NOTICE TO THE PUBLIC
WILLIAMSON COUNTY COMMISSIONERS COURT
Commissioners Courtroom
710 S. Main Street, Georgetown
June 10, 2025
9:30 A.M.

The Commissioners Court of Williamson County, Texas will meet in Regular Session at the above location, date, and time to consider the items set forth below. It is the intent of the Commissioners Court to have a quorum physically present at the meeting. Up to two (2) Commissioners Court members may participate by videoconference call in accordance with the Texas Open Meetings Act.

1. Review and approval of minutes.

2. Hear County Auditor concerning invoices, bills, Quick Check Report, wire transfers and electronic payments submitted for payment and take appropriate action including, but not limited to approval for payment provided said items are found by the County Auditor to be legal obligations of the county.

CONSENT AGENDA
The Consent Agenda includes non-controversial and routine items that the Court may act on with one single vote. The Judge or a Commissioner may pull any item from the consent agenda in order that the court discuss and act upon it individually as part of the Regular Agenda.
(Items 3 – 31)

3. Discuss, consider, and take appropriate action on a line item transfer for the Elections Department.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0492.004610	Rent	$3,000.00
To	0100.0492.004621	Copier Rental & Supplies	$3,000.00

4. Discuss, consider and take appropriate action on a line item transfer for Constable 1.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0551.005700	VEHICLES > $5,000	$8,000.00

T0	0100.0551.003005	OFFICE FURNITURE < $5,000	$8,000.00

5. Discuss, consider, and take appropriate action on a line item transfer to the Corrections Department.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0570.003003	Radio Equipment	$9000.00
To	0100.0570.004231	Travel	$9000.00

6. Discuss, consider and take appropriate action on a line-item transfer for Road and Bridge.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-000777	Transfer to Cap. Projects-P705	$45,000.00
To	0200-0210-000777	Transfer to Cap. Projects-P645	$45,000.00

7. Discuss, consider and take appropriate action on a line-item transfer for Road and Bridge.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-003551	Base & Stabilizer	$125,000.00
From	0200-0210-004620	Furniture/Equip Rental	$150,000.00
From	0200-0210-005711	Heavy Equipment>$5,000	$50,000.00
From	0200-0210-000777	Transfer to Cap. Projects-P692	$400,000.00
To	0200-0210-003599	Road Constr./Maint.	$725,000.00

8. Discuss, consider and take appropriate action on approving compensation changes, position title changes, position grade changes, and any corresponding line item transfers.

9. Discuss, consider, and take appropriate action on approving property tax refunds over $2,500.00 through 06/04/2025 for the Williamson County Tax Assessor/Collector.

10. Discuss, consider and take appropriate action to approve Justice of the Peace, Pct. 1, May 2025 Monthly Report in compliance with Code of Crim. Proc. § 103.005.

11. Discuss, consider, and take appropriate action to approve Justice of the Peace Precinct 2 May 2025 Monthly Report in compliance with Code of Criminal Procedure 103.005.

12. Discuss, consider and take appropriate action to approve Justice of the Peace, Pct. 4, May 2025 Monthly Report in compliance with Code of Crim. Proc. § 103.005.

13. Discuss, consider, and take appropriate action to confirm the appointment of Shane Newell as a Pct 4 Deputy Constable for Williamson County pursuant to Texas Local Government Code 86.011.

14. Discuss, consider and take appropriate action on a request by Williamson County ESD No. 10 to extend the June 1st deadline to file its annual Audit Report of the ESD's fiscal accounts and records to no later than July 1, 2024, in accordance with Texas Health & Safety Code Sec. 775.082(d).

15. Discuss, consider, and take appropriate action on approving the software purchase and Contract #2025257 between Williamson County and Thomson Reuters Enterprise Centre GmbH to purchase CLEAR Proflex and CLEAR Government Investigations for a 36-month subscription in the amount of $20,655.12, pursuant to DIR contract #DIR-CPO-5258 and authorizing the execution of the purchase.

16. Discuss, consider, and take appropriate action on approving the Addendum and Service Agreement #2025247 between Williamson County and Cequel Communications, LLC dba as Optimum Business for Internet Service for a monthly fee of $110.00 and an initial installation fee of $100.00, authorizing the execution of the addendum and service agreement and exempting the purchase from competitive bidding through Local Government Code 262.024 (7)(A)(c) electric, gas, power, water or utility services.

17. Discuss, consider, and take appropriate action on approving the Goods and Service Contract #2025242 for the replacement of furniture with Facilities Resource Inc. for the Sheriff's Office, in the amount of $24,442.50, and authorize execution of this agreement pursuant to Cooperative Contract Omnia 191804.

18. Discuss, consider, and take action on an agreement between Junior Leage and the Regional Animal Shelter.

19. Discuss, consider, and take appropriate action to approve the agreement #2025170 between Mobile Communication America (MCA) and Williamson County for the Fleet and Impound Lot Security Camera Upgrade in the amount of $13,558.87 pursuant to DIR Cooperative Contract #DIR-CPO-4494, and authorizing the execution of the agreement.

20. Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for Request for Information (RFI) Enterprise Asset Management (EAM) System Selection under RFI #25RFI62.

21. Discuss, consider, and take appropriate action on approving the Service and Goods Agreement #2025259 between Williamson County and Links Communications, Inc. to provide and install cabling for additional WI-FI access points in the Administration area of the Juvenile Justice Center at 200 Wilco Way, Georgetown, TX 78626, in the amount of $3,268.00, authorizing the execution of the service agreement and exempting the purchase from competitive bidding through Local Government Code 262.024 (7)(A)(c) electric, gas, power, water or utility service.

22. Discuss, consider, and take appropriate action on approving the Construction Service Agreement No. 2025261 between Williamson County and Falkenberg Construction Co., Inc. for the CTTC Kitchen Remodel in the not-to-exceed amount of Fifty-Five Thousand Nine Hundred Four Dollars and seven cents ($55,904.07) pursuant to BuyBoard's Cooperative Contract #728-24 and authorize execution of the agreement.

23. Discuss, consider, and take appropriate action on awarding RFSQ #24RFSQ53 to Eckermann Engineering, Inc. for the Sheriff's Office Training Center Additional Parking, in the amount of Forty-Two Thousand Three Hundred Sixty-Five Dollars ($42,365.00) and authorize execution of the agreement, funding source is P718.

24. Discuss, consider, and take appropriate action on Supplemental No. 3 to Work Authorization No. 4 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Salado Creek Basin Study plus Berry Creek Hydraulics & Technical Review) contract between Williamson County and Halff Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

25. Discuss, consider, and take appropriate action on Supplemental No. 4 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Floodplain Mapping) contract between Williamson County and Halff Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

26. Discuss, consider, and take appropriate action on Supplemental No. 3 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Brushy Creek Basin Study) contract between Williamson County and AECOM Technical Services, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

27. Discuss, consider, and take appropriate action on Supplemental No. 4 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Floodplain Mapping) contract between Williamson County and Doucet & Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

28. Discuss, consider, and take appropriate action on Work Authorization No. 1 to the Wilco Way contract executed on April 16, 2025, between Williamson County and American Structurepoint, Inc. relating to the Road and Bridge Department. Project: P640 Fund Source: Road and Bridge.

29. Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for IFB CR 175 Milling and Inlay, under IFB #25IFB63.

30. Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for IFB Skyview Drive Bridge, under IFB #25IFB64. The funding source is P708.

31. Discuss, consider and take appropriate action on approval of the preliminary plat for the Limmer Square subdivision – Precinct 4.

REGULAR AGENDA

32. Discuss, consider and take appropriate action on Williamson County Emergency Communications being approved as an Emergency Fire and Emergency Police Dispatch Center of Excellence on May 29th, 2025.

33. Discuss, consider and take appropriate action on the National Habitat Conservation Plan Coalition recognition of service.

34. Discuss, consider and take appropriate action on a policy to include Technology Services on all projects involving facilities, parks, or other applicable infrastructure.

35. Discuss, consider and take appropriate action on the selection of salary grievance committee members in the event a hearing is needed with respect to the FY26 Budget.

36. Discuss, consider, and take appropriate action on a Commercial Contract Assignment of Buyer's Interest between Novert A. Morales & Wendy Morales, as Sellers, Scott Stribling, as Assignor, and Wiliamson County, Texas, as Assignee/Buyer, relating to the assignment of a Commercial Contract for Improved Property to Williamson County, Texas for the purchase of the real property and improvements located at 600 Forest Street, Georgetown, Texas (S3667 – City of Georgetown, Lot 1, 2 (N/PT), Acres 0.275).

37. Discuss, consider, and take action to approve Addendum #2 to Contract RFP #22RFP122 ePCR with a zero-cost purchase order to connect ESO and Pulsara software. This will allow communication between ESO Solutions, Inc., and CommuniCare Technology, Inc. (Pulsara) for Williamson County Emergency Medical Services.

38. Discuss, consider, and take appropriate action to approve an amendment to remove psychiatric services from the scope of work under the current Jail Inmate Medical Services agreement #24RFSQ61 for Corrections Department with Family Hospital Medical Center (FHMC)/Family Hospital Behavioral Health Services, and authorize the execution of the amendment.

39. Discuss, consider, and take appropriate action to authorize an Amendment to Contract #T1289 with Heart of Texas Landscape & Irrigation Co., to include landscaping services for an additional $5,294 per year for the new West Arena at the Expo Center under the existing service agreement during renewal period #3 for the term of September 30, 2025, through September 30, 2026, and authorizing the renewal amendment.

40. Receive and acknowledge approval of Change Order No.2 from RYCARS Construction LLC. For the Justice Center North Roof Replacement in the amount of $6,394.00, and to extend time for completion of the roof replacement, which was approved by Williamson County Project Manager, Thomas Crockett, pursuant to the Commissioners Court's prior delegation of change order approval authority pursuant to Loc. Gov't Code Sec. 262.031.

41. Receive and acknowledge approval of Change Order No.6 from Chasco Constructors, Ltd. LLP. for the Berry Springs Park Improvements project to extend time only due to the lead-time delays regarding PEC, the electrical provider, which was approved by Williamson County Senior Project Manager, Angel Gomez, pursuant to the Commissioners Court's prior delegation of change order approval authority pursuant to Loc. Gov't Code Sec. 262.031.

42. Discuss, consider, and take appropriate action on approving the following two LTP transfers: Move $170,000 from P457 (LTP ROW) to P600 (Chandler Corridor Segment 2). Move $75,000 from P457 (LTP ROW) to P628 (Corridor A2 Schematic).

43. Discuss, consider, and take appropriate action regarding Change Order No. 9 in the amount of $26,604.48 for Project 23IFB8 Corridor H - Sam Bass Road (Cash Construction) P: 462 Funding Source: 2019 Road Bond in Commissioner Precinct 3.

44. Discuss, consider, and take appropriate action on Contract Amendment No. 1 and Supplemental No. 1 to Work Authorization No. 1 to the Corridor A2 Segment 1 contract executed March 19, 2024, between Williamson County and LJA Engineering relating to the 2023 Road Bond Program. Project: P680 Fund Source: Road Bonds

45. Discuss, consider, and take appropriate action on Contract Amendment No. 1 and Supplemental No. 1 to Work Authorization No. 1 to the Corridor A2 Segment 2 contract executed March 19, 2024, between Williamson County and LJA Engineering relating to the 2023 Road Bond Program. Project: P681 Fund Source: Road Bonds.

46. Discuss, consider and take appropriate action on an Interlocal Agreement with the City of Georgetown regarding the participation in the design and construction costs related to the FM 971 project. Funding Source: 2019 Bond P688.

47. Discuss, consider and take appropriate action on an Interlocal Agreement with the City of Georgetown regarding the relocation of water system improvements on CR 255. Funding Source: TANS P588

48. Discuss, consider and take appropriate action on a consent to evaluate and investigate and survey permit with William Charles Bryan in relation to the Corridor A2 project.FM 973 to CR 406 (Parcel 40). Funding Source: TANS P588

49. Discuss, consider and take appropriate action on a real estate contract with RCR Taylor Land, L.P. a Texas limited partnership to acquire 12.327 AC, 0.084 AC and 0.175 AC needed as right of way on the East Wilco Highway project segment 3 FM 3349 to US 79. (Parcels 78 & 84 P1-2). Funding Source: Bonds P332

50. Discuss, consider and take appropriate action on a real estate contract with Jeffrey and Rebecca Gregory to acquire 0.0515 AC needed as right of way for the East Wilco Highway Segment 5 project (Parcel 94). Funding Source: TANS P588

51. Discuss, consider and take appropriate action on a real estate contract with Evelyn M. Shea, trustee of the Shea Revocable Living Trust dated April 7, 1995; Carrie Lynn Shea, Meghan Evelyn Shea, Matthew Edward Shea and McKinley Evan Shea to acquire 2.789 AC needed as right of way on the Seward Junction N. Loop project (Parcel 15). Funding Source: TANS P588

EXECUTIVE SESSION

"The Commissioners Court for Williamson County reserves the right to adjourn into executive session at any time during the course of this meeting to discuss any of the matters listed above, as authorized by Texas Government Code Sections 551.071 (Consultations with Attorney), 551.072 (Deliberations regarding Real Property), 551.073 (Deliberations regarding Gifts and Donations), 551.074 (Personnel Matters), 551.076 (Deliberations regarding Security Devices) and 551.087 (Deliberations regarding Economic Development Negotiations)."

52. Discuss real estate matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.072 Deliberation Regarding Real Estate Property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.)

A. Real Estate Owned by Third Parties.

Preliminary discussions relating to the proposed or potential purchase or lease of property owned by third parties

a) Discuss the acquisition of real property: Bud Stockton Dr.
b) Discuss the acquisition of real property for CR 143
c) Discuss the acquisition of real property for County Facilities.
d) Discuss the acquisition of real property for CR 255.
e) Discuss the acquisition of real property for SH 195 @ Ronald Reagan.
f) Discuss the acquisition of real property for the future SH 29 corridor.
g) Discuss the acquisition of right-of-way for Hero Way.
h) Discuss the acquisition of right-of-way for E. Wilco Highway.
i) Discuss the acquisition of right-of-way for Corridor A-2.
j) Discuss the acquisition of right-of-way for Corridor B
k) Discuss the acquisition of right-of-way for Corridor C.
l) Discuss the acquisition of right-of-way for Corridor D.
m) Discuss the acquisition of right-of-way for Corridor E.
n) Discuss the acquisition of right-of-way for Corridor F
o) Discuss the acquisition of right-of-way for Corridor H
p) Discuss the acquisition of right of way for Corridor J.
q) Discuss the acquisition of right of way for Arterial K.
r) Discuss the acquisition of right of way for Corridor I.
s) Discuss the acquisition of right-of-way for Ronald Reagan Widening.
t) Discuss the acquisition of right-of-way for CR 313.
u) Discuss the acquisition of right of way for Bagdad Road/CR 279.
v) Discuss the acquisition of right of way for CR 314.
w) Discuss the acquisition of real property for the Seward Junction Loop
x) Discuss the acquisition of real property for CR 110N
y) Discuss the acquisition of real property for CR 175.
z) Discuss the acquisition of real property for Liberty Hill Bypass.
aa) Discuss the acquisition of real property for the Long Range Transportation Plan.
bb) Discuss property located at 9500 Lake Creek Parkway, Austin, TX 78717
cc) Discuss the acquisition of real property for Williamson County Justice Center and Corrections Facilities
dd) Discuss acquisition of real property in downtown Georgetown.

B. Property or Real Estate owned by Williamson County

Preliminary discussions relating to the proposed or potential sale or lease of property owned by the County

a) Discuss County-owned real estate containing underground water rights and interests.
b) Discuss possible uses of property owned by Williamson County on Main St. between 3rd and 4th Streets. (Formerly occupied by WCCHD)

c) Sale of property located at 747 County Rd. 138 Hutto, Texas
d) Discuss Blue Springs Blvd. property
e) Discuss potential sale of the Williamson County-owned properties within the downtown Georgetown area.

53. Discussion regarding economic development negotiations pursuant to Texas Government Code, Section 551.087:
Business prospect(s) that may locate or expand within Williamson County.

a) Project Skyfall
b) Project Garden
c) Project School Bus
d) Project Lunch Lady
e) Project Sequoia
f) Project Saturn Rings

54. Discuss pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters (EXECUTIVE SESSION as per Section 551.071, Texas Government Code, "Consultation with Attorney"), including the following:

a. Litigation:
1. Lawsuits and administrative complaints filed, served and/or received following the Williamson County Commissioners Court agenda submittal deadline
2. Cause No. 19-0850-C368; County of Williamson vs. Purdue Pharma, LP et al., In the District Court of Williamson County, Texas/County of Williamson v. Purdue Pharma, L.P., et al., MDL PRETRIAL CAUSE NO. 2018-63587, in the 152d District Court of Harris County, Texas
3. Civil Action No. 1:21-cv-00074-LY; Scott Phillip Lewis v. Williamson County, Texas; In the United States District Court for the Western District of Texas, Austin Division
4. Civil Action No. 1:22-cv-00254-RP; Rodney A. Hurdsman, #0217082 v. Mike Gleason, et al.; In the United States District Court for the Western District of Texas, Austin Division
5. Cause No. 22-1213-C425; Williamson County, Texas v. Ritter Botkin Prime Construction Company, Inc. and Argonaut Insurance Company; In the 425th Judicial District Court of Williamson County, Texas
6. Cause No. 22-1359-C368; Williamson County, Texas v. Ritter, Botkin Prime Construction Company, Inc. and Great American Insurance Company of New York; In the 368th Judicial Court of Williamson County, Texas
7. Cause No. 23-1061-C368; Heather Lorenzen v. Williamson County; In the 368th Judicial District Court of Williamson County, Texas
8. Civil Action No. 1:23-cv-01120; Jeremy Story v. Williamson County, Texas, et al.; In the United States District Court for the Western District of Texas, Austin Division
9. Civil Action No. 1:24-cv-00318-DII; Laura Pressley et al. v. Jane Nelson et al.; In the United States District Court for the Western District of Texas, Austin Division
10. Cause No. 23-2566-C480; Williamson County, Texas v. DM Medical Billings, LLC and Dina Mueller; In the 480th Judicial District Court; Williamson County, Texas
11. Cause No. 24-1887-C26; Ivory Deon Hornsby v. Williamson County, et al.; In the 26th Judicial District Court of Williamson County, Texas
12. Civil Action No. 1:24-cv-01183; Johnny Joe Tijerina v. Andrew Rodriguez, et al.; in the United States District Court for the Western District of Texas, Austin Division
13. Civil Action No. 1:24-cv-1043-DII; Luis J. Ortiz Hernandez v. Williamson County, Texas; in the United States District Court for the Western District of Texas, Austin Division
14. Cause No. 24-2467-C425; Carlos Turcios, et al. v. Williamson County, et al; In the 425th Judicial District Court of Williamson County, Texas
15. Cause No. 24-2687-C395; Paul Johnson v. Williamson County Tax Office; In the 395th Judicial District Court of Williamson County, Texas
16. Cause No. 24-3042-C26; Susann Wirkes v. Chinogringo Properties, LLC, et al., In the 26th Judicial District Court of Williamson County, Texas
17. Cause No. 25-0488-C425; Williamson County, Siena Municipal Utility District No. 1, and Siena Municipal Utility District No. 2 v. The Cameron County Housing Finance Corporation, In the 425th

Judicial District of Williamson County, Texas

18. Cause No. 25-0456-C368; Ryan Markowski v. The State of Texas, et al.; In the 368th Judicial District Court of Williamson County, Texas

19. Cause No. 24-2170-C395; Lakeside Apartments Round Rock TX LLC, Enclave Apartments Round Rock TX LLC, Lynd Living Legends Apartments LLC, and Lynd Living Legends at Lakeline Apartments LLC v. Williamson Central Appraisal District, In the 395th Judicial District, Williamson County

20. Cause No. 25-1280-C26; Blake Sanabria, et al., vs. Williamson County, et. al.; In the 26th Judicial District Court of Williamson County, Texas

b. Administrative Complaints:

1. EEOC Charge No.: 451-2025-02018; J.S.

c. Claims:

1. Claim No. 09252024-560-347 - auto liability claim by Madisyn Grace Thomas for incident occurring on or about 09/25/2024.

d. Other:

1. Legal matters relating to U.S. Fish and Wildlife Service's Final Rule Designating Critical Habitat for the Georgetown and Salado Salamanders.
2. Legal matter pertaining to regulation of firearms on Williamson County premises.
3. Legal matters pertaining to grants compliance.
4. Legal matters relating to the lease of Williamson County's property located at 9769 HWY 29 W, Georgetown, Texas.
5. Legal matters relating to right-of-way acquisition in The Place Subdivision.
6. Legal matters relating to a 7.42-acre tract owned by Williamson County in the Breakaway Park Subdivision

55. Discuss security assessments or deployments relating to information resources technology; network security information as described by Texas Gov't Code Section 2059.055(b); and/or (3) the deployment, or specific occasions for implementation, of security personnel, critical infrastructure, or security devices. (Executive Session as per Texas Gov't. Code § 551.089).

REGULAR AGENDA (continued)

56. Discuss, consider, and take appropriate action on setting dates for holding Special Sessions of the Williamson County Commissioners Court.

57. Discuss pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters (EXECUTIVE SESSION as per Section 551.071, Texas Government Code, "Consultation with Attorney"), including the following:

a. Litigation:

1. Lawsuits and administrative complaints filed, served and/or received following the Williamson County Commissioners Court agenda submittal deadline
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6. Cause No. 22-1359-C368; Williamson County, Texas v. Ritter, Botkin Prime Construction Company, Inc. and Great American Insurance Company of New York; In the 368th Judicial Court of

Williamson County, Texas

7. Cause No. 23-1061-C368; Heather Lorenzen v. Williamson County; In the 368th Judicial District Court of Williamson County, Texas

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10. Cause No. 23-2566-C480; Williamson County, Texas v. DM Medical Billings, LLC and Dina Mueller; In the 480th Judicial District Court; Williamson County, Texas

11. Cause No. 24-1887-C26; Ivory Deon Hornsby v. Williamson County, et al.; In the 26th Judicial District Court of Williamson County, Texas

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15. Cause No. 24-2687-C395; Paul Johnson v. Williamson County Tax Office; In the 395th Judicial District Court of Williamson County, Texas

16. Cause No. 24-3042-C26; Susann Wirkes v. Chinogringo Properties, LLC, et al., In the 26th Judicial District Court of Williamson County, Texas

17. Cause No. 25-0488-C425; Williamson County, Siena Municipal Utility District No. 1, and Siena Municipal Utility District No. 2 v. The Cameron County Housing Finance Corporation, In the 425th Judicial District of Williamson County, Texas

18. Cause No. 25-0456-C368; Ryan Markowski v. The State of Texas, et al.; In the 368th Judicial District Court of Williamson County, Texas

19. Cause No. 24-2170-C395; Lakeside Apartments Round Rock TX LLC, Enclave Apartments Round Rock TX LLC, Lynd Living Legends Apartments LLC, and Lynd Living Legends at Lakeline Apartments LLC v. Williamson Central Appraisal District, In the 395th Judicial District, Williamson County

20. Cause No. 25-1280-C26; Blake Sanabria, et al., vs. Williamson County, et. al.; In the 26th Judicial District Court of Williamson County, Texas

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1. EEOC Charge No.: 451-2025-02018; J.S.

c. Claims:

1. Claim No. 09252024-560-347 - auto liability claim by Madisyn Grace Thomas for incident occurring on or about 09/25/2024.

d. Other:

1. Legal matters relating to U.S. Fish and Wildlife Service's Final Rule Designating Critical Habitat for the Georgetown and Salado Salamanders.
2. Legal matter pertaining to regulation of firearms on Williamson County premises.
3. Legal matters pertaining to grants compliance.
4. Legal matters relating to the lease of Williamson County's property located at 9769 HWY 29 W, Georgetown, Texas.
5. Legal matters relating to right-of-way acquisition in The Place Subdivision.
6. Legal matters relating to a 7.42-acre tract owned by Williamson County in the Breakaway Park Subdivision

58. Comments from Commissioners.

59. Public Comment Period. The Commissioners Court will conduct a Public Comment Period to allow members of the public to address the Court regarding matters pertaining to or affecting Williamson County but that do not appear as an Agenda Item on a meeting's Agenda. During such Public Comment Period, speakers shall be limited to a maximum of two (2) minutes to make his/her remarks and the maximum overall discussion time allowed for the Public Comment Period, regardless of the number of members of the public wishing to address the Court during such period, shall be limited to ten (10) minutes. Speaking time, to the extent possible, will be evenly allocated

among speakers should more than five (5) speakers desire to speak during the Public Comment Period. Please note that the members of the Court may not comment at the meeting about matters that are not on the agenda.

_____
Steven Snell, County Judge

This notice of meeting was posted in the locked box located on the south side of the Williamson County Courthouse, a place readily accessible to the general public at all times, on the 6th day of June 2025 at 3:00 pm and remained posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Commissioners Court - Regular Session **3.**

Meeting Date: 06/10/2025

Line Item Transfer for the Elections Department

Submitted For: Bridgette Escobedo **Submitted By:** Bridgette Escobedo, Elections

Department: Elections

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on a line item transfer for the Elections Department.

Background

The monthly costs of printing for the Elections Office printer have increased due to printing voter registration documents, forms, and correspondence. This transfer will cover the expenses for the remainder of the current fiscal year.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0492.004610	Rent	$3,000.00
To	0100.0492.004621	Copier Rental & Supplies	$3,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 08:21 AM
Budget Office	Saira Hernandez	06/05/2025 09:27 AM
County Judge Exec Asst.	Andrea Schiele	06/05/2025 12:17 PM
Budget Office	Saira Hernandez	06/05/2025 01:08 PM
Form Started By: Bridgette Escobedo		Started On: 06/04/2025 06:27 PM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **4.**

Meeting Date: 06/10/2025

Line Item Transfer - Constable 1

Submitted By: Patrick Youngren, Constable Pct. #1

Department: Constable Pct. #1

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for Constable 1.

Background

Constable 1 is requesting the line item transfer to use FY25 surplus funds to purchase two small tables and chairs to replace a worn couch in the same area. Couches are no longer approved for replacement unless in common/waiting areas. The approval of the transfer will allow the budget office to remove these requested items from the FY26 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0551.005700	VEHICLES > $5,000	$8,000.00
T0	0100.0551.003005	OFFICE FURNITURE < $5,000	$8,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 08:23 AM
Budget Office	Ashlie Holladay	06/05/2025 08:54 AM
Form Started By: Patrick Youngren		Started On: 06/05/2025 07:51 AM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **5.**

Meeting Date: 06/10/2025

Line item transfer for the County Sheriff, Corrections Bureau

Submitted For: Matthew Lindemann **Submitted By:** ABIGAIL TAYLOR, Sheriff

Department: Sheriff

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on a line item transfer to the Corrections Department.

Background

This transfer is being requested to cover the anticipated shortfall in travel expenses through the end of the fiscal budget year. Our transportation deputies are scheduled to travel daily throughout the state of Texas and sometimes out-of-state to complete warrant pick-ups and offender drop-offs to other facilities.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0570.003003	Radio Equipment	$9000.00
To	0100.0570.004231	Travel	$9000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 08:51 AM
Budget Office	Saira Hernandez	06/05/2025 01:08 PM
Form Started By: ABIGAIL TAYLOR		Started On: 06/05/2025 08:34 AM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **6.**

Meeting Date: 06/10/2025

Line item transfer for Road & Bridge Division

Submitted For: Matt Williamson **Submitted By:** Jenifer Favreau, Infrastructure

Department: Infrastructure **Division:** Road & Bridge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line-item transfer for Road and Bridge.

Background

This transfer is necessary in order to fulfill the advance funding agreement with TxDOT regarding the reconstruction of the bridge over DryBerry Creek on CR 143, AFA documents attached.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-000777	Transfer to Cap. Projects-P705	$45,000.00
To	0200-0210-000777	Transfer to Cap. Projects-P645	$45,000.00

Attachments

Executed AFA

Second Payment Request

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Andrea Schiele	06/05/2025 12:17 PM
Budget Office	Saira Hernandez	06/05/2025 01:08 PM
Form Started By: Jenifer Favreau		Started On: 06/05/2025 11:26 AM
Final Approval Date: 06/05/2025		

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District #	14	AFA ID	Z00003466
Code Chart 64 #	50246		
Project Name	CR 143 from west and east of Dry Berry Creek		

STATE OF TEXAS §

COUNTY OF TRAVIS §

ADVANCE FUNDING AGREEMENT
For
Locally Funded Road Improvement Project
Off-System

THIS AGREEMENT (Agreement) is made by and between the State of Texas, acting by and through the **Texas Department of Transportation** called the "State", and the **County of Williamson**, acting by and through its duly authorized officials, called the "Local Government". The State and Local Government shall be collectively referred to as "the parties" hereinafter.

WITNESSETH

WHEREAS, the Texas Transportation Code, Section 201.103 establishes that the State shall design, construct and operate a system of highways in cooperation with local governments, and Section 222.052 authorizes the Texas Transportation Commission to accept contributions from political subdivisions for development and construction of public roads and the state highway system within the political subdivision, and

WHEREAS, federal and state laws require local governments to meet certain contract standards relating to the management and administration of State and federal funds, and

WHEREAS, the Texas Transportation Commission has codified 43 TAC, Rules 15.50-15.56 that describe federal, state, and local responsibilities for cost participation in highway improvement and other transportation projects, and

WHEREAS, the State and Local Government do not anticipate that federal funds will be used for the Project governed by this Agreement; and

WHEREAS The State and Local Government have executed an Advance Funding Agreement For Bridge Replacement or Rehabilitation Off the State System on 2nd October of 2019 for project with CSJ#**0914-05-203**, under project name CR 143 at Dry Berry Creek, this project was included in the currently approved off-state system federal-aid Highway Bridge Replacement and Rehabilitation Program (HBRRP). The County subsequently proposed a road re-alignment on CR 143 from 3,200 feet East of CR 234 to 3,882 feet East of CR 234 and from 4,082' E of CR 234 to 4,613' E of CR 234 to flatten the horizontal curves to meet a 60 MPH design speed and revise the profile to meet a 25 year storm event at the bridge. These segments to be constructed on west and east side of new bridge are being constructed under this CSJ# **0914-05-219** in Williamson County, Texas as part of same overall construction project as it is integral to the bridge replacement project and would be impractical to do under a different construction project with a different contractor; and

WHEREAS, the Texas Transportation Commission passed Minute Order Number **116522** authorizing the State to undertake and complete a highway improvement or other transportation project generally described as the

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re-alignment of CR 143 (CSJ 0914-05-219) in Williamson County. The portion of the project work covered by this Agreement is identified in the Agreement, Article 3, Scope of Work (Project), and

WHEREAS, the Governing Body of the Local Government has approved entering into this Agreement by resolution dated **01/30/2024**, which is attached to and made a part of this Agreement as Attachment C, Resolution. A map showing the Project location appears in Attachment A, Location Map Showing Project, (Attachment A) which is attached to and made a part of this Agreement.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements of the parties, to be by them respectively kept and performed as set forth in this Agreement, it is agreed as follows

AGREEMENT

Responsible Parties:
For the Project covered by this Agreement, the parties shall be responsible for the following work as stated in the article of the Agreement referenced in the table below:

1.	**N/A**	Utilities	Article 8
2.	**State**	Environmental Assessment and Mitigation	Article 9
3.	**State**	Architectural and Engineering Services	Article 12
4.	**State**	Construction Responsibilities	Article 13
5.	**N/A**	Right of Way and Real Property	Article 15

Period of the Agreement
This Agreement becomes effective when signed by the last party whose signing makes the Agreement fully executed. This Agreement shall remain in effect until the Project is completed or unless terminated as provided below.

Scope of Work
The scope of work for this Project consists of preliminary engineering (schematic, environmental), plans, specifications, and estimates (PS&E) for construction of road re-alignment on either side of Dry Berry Creek on CR 143 from 3,200 feet East of CR 234 to 3,882 feet East of CR 234 and 4,082 feet East of CR 234 to 4,613 feet east of CR 234 to flatten horizontal curves to meet a 60 MPH design speed and revise profile to meet a 25-year storm event at the bridge as shown on Attachment A. These segments to be constructed on west and east side of new bridge being constructed under CSJ# 0914-05-219 in Williamson County, Texas as part of same overall project.

4. Project Sources and Uses of Funds

The total estimated cost of the Project is shown in Attachment B, Project Budget, (Attachment B) which is attached to and made a part of this Agreement.

A. If the Local Government will perform any work under this Agreement for which reimbursement will be provided by or through the State, the Local Government must complete training. Training is complete when at least one individual who is working actively and directly on the Project successfully completes and receives a certificate for the course entitled "Local Government Project Procedures and Qualification for the Texas Department of Transportation" and retains qualification in accordance with applicable TxDOT procedures. Upon request, the Local

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Government shall provide the certificate of qualification to the State. The individual who receives the training certificate may be an employee of the Local Government or an employee of a firm that has been contracted by the Local Government to perform oversight of the Project. The State in its discretion may deny reimbursement if the Local Government has not continuously designated in writing a qualified individual to work actively on or to directly oversee the Project.

B. The expected cash contributions from the State, the Local Government, or other parties are shown in Attachment B. The State will pay for only those Project costs that have been approved by the Texas Transportation Commission.

C. Attachment B shows, by major cost categories, the cost estimates and the party responsible for performing the work for each category. These categories may include but are not limited to: (1) costs of real property; (2) costs of utility work; (3) costs of environmental assessment and remediation; (4) cost of preliminary engineering and design; (5) cost of construction and construction management; and (6) any other local project costs.

D. The State will be responsible for securing the State share of the funding required for the development and construction of the local Project. If the Local Government is due funds for expenses incurred, these funds will be reimbursed to the Local Government on a cost basis.

E. The Local Government will be responsible for all non-State participation costs associated with the Project, unless otherwise provided for in this Agreement or approved otherwise in an amendment to this Agreement. For items of work subject to specified percentage funding, the Local Government shall only in those instances be responsible for all Project costs that are greater than the maximum State participation specified in Attachment B and for overruns in excess of the amount specified in Attachment B to be paid by the Local Government.

F. The budget in Attachment B will clearly state all items subject to fixed price funding, specified percentage funding or the periodic payment schedule, when periodic payments have been approved by the State.

G. When the Local Government bears the responsibility for paying cost overruns, the Local Government shall make payment to the State within thirty (30) days from the receipt of the State's written notification of additional funds being due.

H. When fixed price funding is used, the Local Government is responsible for the fixed price amount specified in Attachment B. Fixed prices are not subject to adjustment unless (1) differing site conditions are encountered; (2) further definition of the Local Government's requested scope of work identifies greatly differing costs from those estimated; (3) work requested by the Local Government is determined to be ineligible for federal participation; or (4) the adjustment is mutually agreed to by the State and the Local Government.

I. Prior to the performance of any engineering review work by the State, the Local Government will pay to the State the amount specified in Attachment B. At a minimum, this amount shall equal the Local Government's funding share for the estimated cost of preliminary engineering performed or reviewed by the State for the Project. At least sixty (60) days prior to the date set for receipt of the construction bids, the Local Government shall remit its remaining financial share for the State's estimated construction oversight and construction cost.

J. The State will not execute the contract for the construction of the Project until the required funding has been made available by the Local Government in accordance with this Agreement.

K. Whenever funds are paid by the Local Government to the State under this Agreement, the Local Government shall remit a check or warrant made payable to the "Texas Department of Transportation" or may use the State's Automated Clearing House (ACH) system for electronic transfer of funds in accordance with instructions provided by TxDOT's Finance Division. The

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funds shall be deposited and managed by the State and may only be applied by the State to the Project.

L. The State will not pay interest on any funds provided by the Local Government.

M. If a waiver for the collection of indirect costs for a service project has been granted under 43 TAC §15.56, the State will not charge the Local Government for the indirect costs the State incurs on the local Project, unless this Agreement is terminated at the request of the Local Government prior to completion of the Project.

N. If the Local Government is an Economically Disadvantaged County (EDC) and if the State has approved adjustments to the standard financing arrangement, this Agreement reflects those adjustments.

O. Where the Local Government is authorized to perform services under this Agreement and be reimbursed by the State, the Local Government is authorized to submit requests for reimbursement by submitting the original of an itemized invoice, in a form and containing all items required by the State, no more frequently than monthly and no later than ninety (90) days after costs are incurred. If the Local Government submits invoices more than ninety (90) days after the costs are incurred the State may refuse to reimburse the Local Government for those costs.

P. Upon completion of the Project, the State will perform a final accounting of the Project costs for all items of work with specified percentage funding. Any funds due by the Local Government or the State for these work items will be promptly paid by the owing party.

Q. The state auditor may conduct an audit or investigation of any entity receiving funds from the State directly under this Agreement or indirectly through a subcontract under this Agreement. Acceptance of funds directly under this Agreement or indirectly through a subcontract under this Agreement acts as acceptance of the authority of the state auditor, under the direction of the legislative audit committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

R. Payment under this Agreement beyond the end of the current fiscal biennium is subject to availability of appropriated funds. If funds are not appropriated, this Agreement shall be terminated immediately with no liability to either party.

5. Termination of this Agreement

This Agreement shall remain in effect until the Project is completed and accepted by all parties, unless:

A. The Agreement is terminated in writing with the mutual consent of the parties;

B. The Agreement is terminated by one party because of a breach, in which case any cost incurred because of the breach shall be paid by the breaching party;

C. The Local Government elects not to provide funding after the completion of preliminary engineering, specifications, and estimates (PS&E) and the Project does not proceed because of insufficient funds, in which case the Local Government agrees to reimburse the State for its reasonable actual costs incurred during the Project; or

D. The Agreement is terminated by the State because the parties are not able to execute a mutually agreeable amendment when the costs for Local Government requested items increase significantly due to differing site conditions, determination that Local government requested work is ineligible for federal or state cost participation, or more thorough definition of the Local Government's proposed work scope identifies greatly differing costs from those estimated. The State will reimburse Local Government remaining funds to the Local Government within ninety (90) days of termination; or

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E. The Project is inactive for thirty-six (36) months or longer and no expenditures have been charged against state funds, in which case the State may in its discretion terminate this Agreement.

6. Amendments

Amendments to this Agreement due to changes in the character of the work, terms of the Agreement, or responsibilities of the parties relating to the Project may be enacted through a mutually agreed upon, written amendment.

7. Remedies

This Agreement shall not be considered as specifying the exclusive remedy for any Agreement default, but all remedies existing at law and in equity may be availed of by either party to this Agreement and shall be cumulative.

8. Utilities

The party named in article 1, Responsible Parties, under AGREEMENT shall be responsible for the adjustment, removal, or relocation of utility facilities in accordance with applicable state laws, regulations, rules, policies, and procedures, including any cost to the State of a delay resulting from the Local Government's failure to ensure that utility facilities are adjusted, removed, or relocated before the scheduled beginning of construction. The Local Government will not be reimbursed with State funds for the cost of required utility work. The Local Government must obtain advance approval for any variance from established procedures. Before a construction contract is let, the Local Government shall provide, at the State's request, a certification stating that the Local Government has completed the adjustment of all utilities that must be adjusted before construction is commenced.

9. Environmental Assessment and Mitigation

Development of a transportation project must comply with applicable environmental laws. The party named in article 1, Responsible Parties, under AGREEMENT is responsible for the following:

A. The identification and assessment of any environmental problems associated with the development of a local project governed by this Agreement.
B. The cost of any environmental problem's mitigation and remediation.
C. Providing any public meetings or public hearings required for the environmental assessment process. Public hearings will not be held prior to the approval of Project schematic.
D. The preparation of the NEPA documents required for the environmental clearance of this Project.

If the Local Government is responsible for the environmental assessment and mitigation, before the advertisement for bids, the Local Government shall provide to the State written documentation from the appropriate regulatory agency or agencies that all environmental clearances have been obtained.

10. Compliance with Accessibility Standards

All parties to this Agreement shall ensure that the plans for and the construction of all projects subject to this Agreement are in compliance with standards issued or approved by the Texas Department of Licensing and Regulation (TDLR) as meeting or consistent with minimum accessibility requirements of the Americans with Disabilities Act (P.L. 101-336) (ADA).

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11. Procurement Standards

For projects being managed by the Local Government and on the State highway system or that include state funding, the Local Government must obtain approval from the State for its proposed procurement procedure for the selection of a professional services provider, a contractor for a construction or maintenance project, or a materials provider.

12. Architectural and Engineering Services

The party named in Article 1, Responsible Parties, under AGREEMENT has responsibility for the performance of architectural and engineering services. The engineering plans shall be developed in accordance with the applicable *State's Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges* and the special specifications and special provisions related to it. For projects on the state highway system, the design shall, at a minimum conform to applicable State manuals. For projects not on the state highway system, the design shall, at a minimum, conform to applicable American Association of State Highway and Transportation Officials (AASHTO) design standards.

In procuring professional services, the parties to this Agreement must comply with Texas Government Code 2254, Subchapter A. If the Local Government is the responsible party, the Local Government shall submit its procurement selection process for prior approval by the State. All professional service contracts must be reviewed and approved by the State prior to execution by the Local Government.

13. Construction Responsibilities

The party named in Article 1, Responsible Parties, under AGREEMENT is responsible for the following:

A. Advertise for construction bids, issue bid proposals, receive and tabulate the bids, and award and administer the contract for construction of the Project. Administration of the contract includes the responsibility for construction engineering and for issuance of any change orders, supplemental agreements, amendments, or additional work orders that may become necessary subsequent to the award of the construction contract. Projects must be authorized by the State prior to advertising for construction.

B. If the State is the responsible party, the State will use its approved contract letting and award procedures to let and award the construction contract.

C. If the Local Government is the responsible party, the Local Government shall submit its contract letting and award procedures to the State for review and approval prior to letting.

D. If the Local Government is the responsible party, the State must concur with the low bidder selection before the Local Government can enter into a contract with the vendor.

E. If the Local Government is the responsible party, the State must review and approve change orders.

F. Upon completion of the Project, the party responsible for constructing the Project will issue and sign a "Notification of Completion" acknowledging the Project's construction completion and submit certification(s) sealed by a professional engineer(s) licensed in the State of Texas.

G. Upon completion of the Project, the party constructing the Project will issue and sign a "Notification of Completion" acknowledging the Project's construction completion.

14. Project Maintenance

The Local Government shall be responsible for maintenance of locally owned roads and locally owned facilities after completion of the work. The State shall be responsible for maintenance of the state

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highway system after completion of the work if the work was on the state highway system, unless otherwise provided for in existing maintenance agreements with the Local Government.

15. Right of Way and Real Property

The party named in Article 1, Responsible Parties, under AGREEMENT is responsible for the provision and acquisition of any needed right of way or real property.

The Local Government shall be responsible for the following:

A. Right of way and real property acquisition shall be the responsibility of the Local Government. Title to right of way and other related real property must be acceptable to the State before funds may be expended for the improvement of the right of way or real property.

B. If the Local Government is the owner of any part of the Project site under this Agreement, the Local Government shall permit the State or its authorized representative access to occupy the site to perform all activities required to execute the work.

C. All parties to this Agreement will comply with and assume the costs for compliance with all the requirements of Title II and Title III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, Title 42 U.S.C.A. Section 4601 et seq., including those provisions relating to incidental expenses incurred by the property owners in conveying the real property to the Local Government and benefits applicable to the relocation of any displaced person as defined in 49 CFR Section 24.2(g). Documentation to support such compliance must be maintained and made available to the State and its representatives for review and inspection.

D. The Local Government shall assume all costs and perform necessary requirements to provide any necessary evidence of title or right of use in the name of the Local Government to the real property required for development of the Project. The evidence of title or rights shall be acceptable to the State, and be free and clear of all encroachments. The Local Government shall secure and provide easements and any needed rights of entry over any other land needed to develop the Project according to the approved Project plans. The Local Government shall be responsible for securing any additional real property required for completion of the Project.

E. In the event real property is donated to the Local Government after the date of the State's authorization, the Local Government will provide all documentation to the State regarding fair market value of the acquired property. The State will review the Local Government's appraisal, determine the fair market value and credit that amount towards the Local Government's financial share. If donated property is to be used as a funding match, it may not be provided by the Local Government. The State will not reimburse the Local Government for any real property acquired before execution of this Agreement and the obligation of federal spending authority.

F. The Local Government shall prepare real property maps, property descriptions, and other data as needed to properly describe the real property and submit them to the State for approval prior to the Local Government acquiring the real property. Tracings of the maps shall be retained by the Local Government for a permanent record.

G. The Local Government agrees to make a determination of property values for each real property parcel by methods acceptable to the State and to submit to the State a tabulation of the values so determined, signed by the appropriate Local Government representative. The tabulations shall list the parcel numbers, ownership, acreage and recommended compensation. Compensation shall be shown in the component parts of land acquired, itemization of improvements acquired, damages (if any) and the amounts by which the total compensation will be reduced if the owner retains improvements. This tabulation shall be accompanied by an

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explanation to support the determined values, together with a copy of information or reports used in calculating all determined values. Expenses incurred by the Local Government in performing this work may be eligible for reimbursement after the Local Government has received written authorization by the State to proceed with determination of real property values. The State will review the data submitted and may base its reimbursement for parcel acquisitions on these values.

H. Reimbursement for real property costs will be made to the Local Government for real property purchased in an amount not to exceed eighty percent (80%) of the cost of the real property purchased in accordance with the terms and provisions of this Agreement. Reimbursement will be in an amount not to exceed eighty percent (80%) of the State's predetermined value of each parcel, or the net cost of the parcel, whichever is less. In addition, reimbursement will be made to the Local Government for necessary payments to appraisers, expenses incurred in order to assure good title, and costs associated with the relocation of displaced persons and personal property as well as incidental expenses.

I. If the Project requires the use of real property to which the Local Government will not hold title, a separate agreement between the owners of the real property and the Local Government must be executed prior to execution of this Agreement. The separate agreement must establish that the Project will be dedicated for public use for a period of not less than 10 (ten) years after completion. The separate agreement must define the responsibilities of the parties as to the use of the real property and operation and maintenance of the Project after completion. The separate agreement must be approved by the State prior to its execution. A copy of the executed agreement shall be provided to the State.

16. Insurance

If this Agreement authorizes the Local Government or its contractor to perform any work on State right of way, before beginning work the entity performing the work shall provide the State with a fully executed copy of the State's Form 1560 Certificate of Insurance verifying the existence of coverage in the amounts and types specified on the Certificate of Insurance for all persons and entities working on State right of way. This coverage shall be maintained until all work on the State right of way is complete. If coverage is not maintained, all work on State right of way shall cease immediately, and the State may recover damages and all costs of completing the work.

17. Notices

All notices to either party shall be delivered personally or sent by certified or U.S. mail, postage prepaid, addressed to that party at the following address:

Local Government:	**State:**
County of Williamson ATTN: County Judge 710 S. Main Street, Ste. 101 Georgetown, TX 78626	Texas Department of Transportation ATTN: Director of Contract Services 125 E. 11th Street Austin, TX 78701

All notices shall be deemed given on the date delivered in person or deposited in the mail, unless otherwise provided by this Agreement. Either party may change the above address by sending written

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notice of the change to the other party. Either party may request in writing that notices shall be delivered personally or by certified U.S. mail, and that request shall be carried out by the other party.

18. Legal Construction

If one or more of the provisions contained in this Agreement shall for any reason be held invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provisions and this Agreement shall be construed as if it did not contain the invalid, illegal, or unenforceable provision.

19. Responsibilities of the Parties

The State and the Local Government agree that neither party is an agent, servant, or employee of the other party, and each party agrees it is responsible for its individual acts and deeds as well as the acts and deeds of its contractors, employees, representatives, and agents.

20. Ownership of Documents

Upon completion or termination of this Agreement, all documents prepared by the State shall remain the property of the State. All data and information prepared under this Agreement shall be made available to the State without restriction or limitation on their further use. All documents produced or approved or otherwise created by the Local Government shall be transmitted to the State, in the format directed by the State, of photocopy reproduction on a monthly basis or as required by the State. The originals shall remain the property of the Local Government.

21. Compliance with Laws

The parties shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any manner affecting the performance of this Agreement. When required, the Local Government shall furnish the State with satisfactory proof of this compliance.

22. Sole Agreement

This Agreement constitutes the sole and only agreement between the parties and supersedes any prior understandings or written or oral agreements respecting the Agreement's subject matter.

23. Procurement and Property Management Standards

The parties to this Agreement shall adhere to the procurement and property management standards established in the Texas Uniform Grant Management Standards.

24. Inspection of Books and Records

The parties to this Agreement shall maintain all books, documents, papers, accounting records, and other documentation relating to costs incurred under this Agreement and shall make such materials available to the State and the Local Government, or their duly authorized representatives for review and inspection at its office during the Agreement period and for seven (7) years from the date of completion of work defined under this Agreement or until any impending litigation, or claims are resolved. Additionally, the State and the Local Government and their duly authorized representatives shall have access to all the governmental records that are directly applicable to this Agreement for the purpose of making audits, examinations, excerpts, and transcriptions.

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25. Audit

Pursuant to Texas Government Code § 2262.154, the state auditor may conduct an audit or investigation of any entity receiving funds from the state directly under the contract or indirectly through a subcontract under the contract. Acceptance of funds directly under the contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the state auditor, under the direction of the legislative audit committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

26. Historically Underutilized Business (HUB) and Small Business Enterprise (SBE) Requirements

For projects with State funds and no federal funds, the Local Government will be required to follow the provisions of Texas Transportation Code §201.702 and 43 TAC §§9.354-9.355 (HUB) and §§9.314-9.315 (SBE). The Local Government must incorporate project goals approved by TxDOT into project documents before advertising for receipt of bids. Contractors must select HUBs and SBEs from TxDOT-approved or maintained sources. The Local Government will provide monthly updates of HUB/SBE (as appropriate) participation and report final accomplishments to TxDOT for credit to overall program goals.

For projects with no state or federal funds that are not on the state or federal highway systems, the Local Government should follow its own local or specific ordinances and procedures. Local Governments are encouraged to use HUBs and SBEs from TxDOT-approved or maintained sources. The Local Government must also report final HUB accomplishments to TxDOT for credit to overall program goals.

27. Debarment Certifications

If state funds are used, the parties are prohibited from making any award to any party that is debarred under the Texas Administrative Code, Title 34, Part 1, Chapter 20, Subchapter G, Rule §20.585 and the Texas Administrative Code, Title 43, Part 1, Chapter 9, Subchapter G.

28. Pertinent Non-Discrimination Authorities

During the performance of this Agreement, the Local Government, for itself, its assignees, and successors in interest agree to comply with the following nondiscrimination statutes and authorities; including but not limited to:

A. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
B. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects).
C. Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), as amended, (prohibits discrimination on the basis of sex).
D. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.) as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27.
E. The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age).
F. Airport and Airway Improvement Act of 1982, (49 U.S.C. Chapter 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex).

CCSJ #	**0914-05-203**		
AFA CSJs	**0914-05-219**		
District #	**14**	**AFA ID**	**Z00003466**
Code Chart 64 #	**50246**		
Project Name	**CR 143 from west and east of Dry Berry Creek**		

G. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not).

H. Titles II and III of the Americans with Disabilities Act, which prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.

I. The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex).

J. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations.

K. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, the parties must take reasonable steps to ensure that LEP persons have meaningful access to the programs (70 Fed. Reg. at 74087 to 74100).

L. Title IX of the Education Amendments of 1972, as amended, which prohibits the parties from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).

29. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this Agreement on behalf of the entity represented.

Each party is signing this agreement on the date stated under that party's signature.

THE STATE OF TEXAS

DocuSigned by:
Kenneth Stewart
F1CDA80FDB8C4B6...
Signature

Kenneth Stewart
Typed or Printed Name

Director of Contract Services
Typed or Printed Title

2/14/2024
Date

THE LOCAL GOVERNMENT

DocuSigned by:
Judge Bill Gravell Jr.
91F1AB3572F444D...
Signature

Bill Gravell, Jr.
Typed or Printed Name

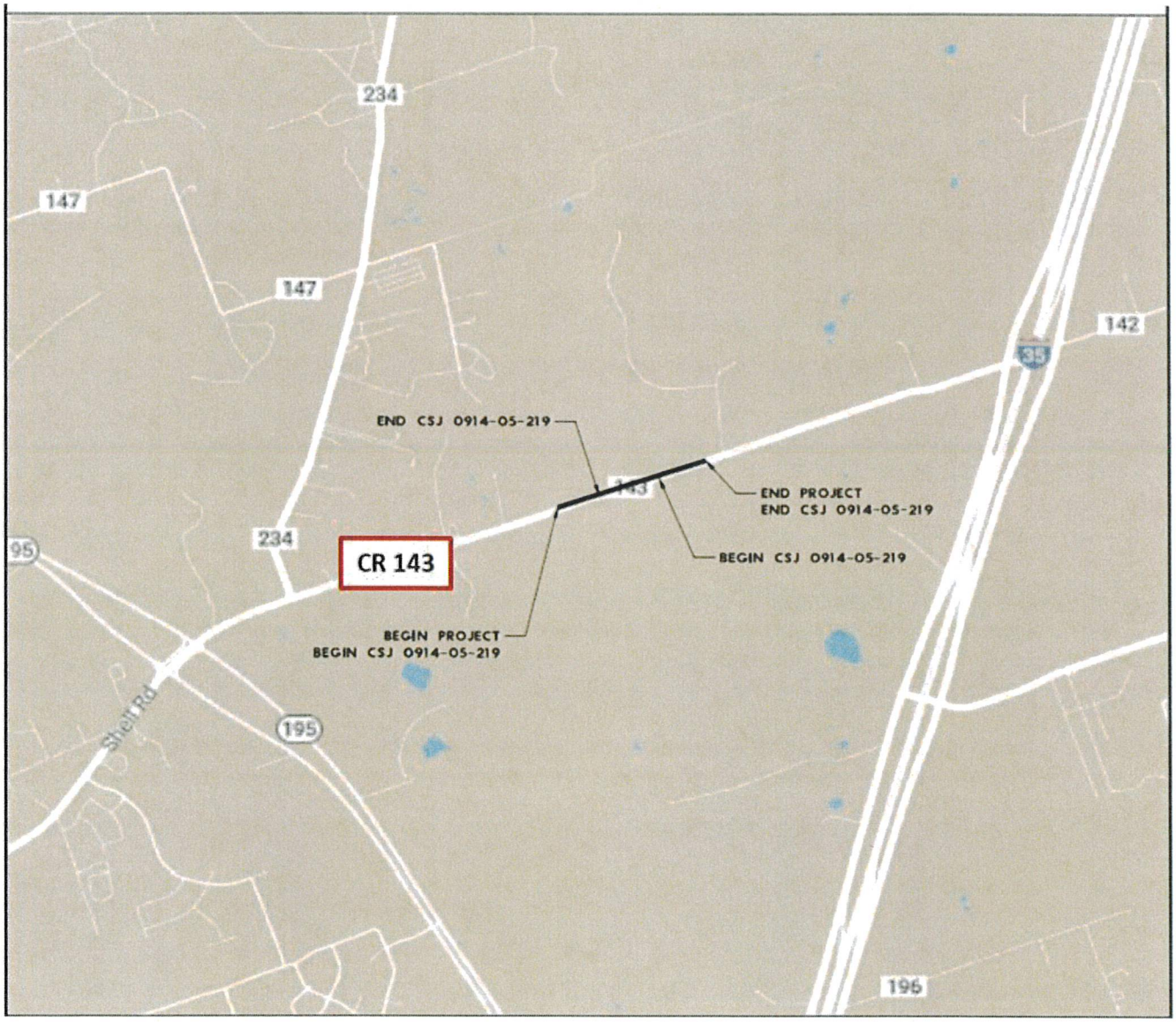
County Judge
Typed or Printed Title

2/14/2024
Date

DocuSign Envelope ID: 848909A4-F7F9-4BDE-97FD-6E2C5E86FE4A

CCSJ #	0914-05-203		
AFA CSJs	0914-05-219		
District #	14	AFA ID	Z00003466
Code Chart 64 #	50246		
Project Name	CR 143 from west and east of Dry Berry Creek		

ATTACHMENT A
LOCATION MAP SHOWING PROJECT



DocuSign Envelope ID: 848909A4-F7F9-4BDE-97FD-6E2C5E86FE4A

CCSJ #	**0914-05-203**		
AFA CSJs	**0914-05-219**		
District #	**14**	**AFA ID**	**Z00003466**
Code Chart 64 #	**50246**		
Project Name	**CR 143 from west and east of Dry Berry Creek**		

ATTACHMENT B
PROJECT BUDGET

Costs will be allocated based on 100% Local Government funding until the Local Government funding reaches the maximum obligated amount. The Local Government will then be responsible for 100% of the costs.

Description 0914-05-219	Total Estimated Cost	State Participation		Local Participation	
		%	Cost	%	Cost
Engineering (by State)	$170,000	0%	$0	100%	$170,000
Environmental (by State)	$30,000	0%	$0	100%	$30,000
Construction (by State)	$1,548,662	0%	$0	100%	$1,548,662
Subtotal	$1,748,662		$0		$1,748,662
Environmental Direct State Costs	$8,743	0%	$0	100%	$8,743
Right of Way Direct State Costs	$2,186	0%	$0	100%	$2,186
Engineering Direct State Costs	$13,115	0%	$0	100%	$13,115
Utility Direct State Costs	$2,186	0%	$0	100%	$2,186
Construction Direct State Costs	$61,203	0%	$0	100%	$61,203
Indirect State Costs (4.6%)	$80,438	100%	$80,438	0%	$0
TOTAL	$1,916,534		$80,438		$1,836,095

Initial payment by the Local Government to the State: $226,230
Payment by the Local Government to the State before construction: $1,609,865
Estimated total payment by the Local Government to the State $1,836,095. This is an estimate. The final amount of Local Government participation will be based on actual costs.

DocuSign Envelope ID: 848909A4-F7F9-4BDE-97FD-6E2C5E86FE4A

CCSJ #	0914-05-203		
AFA CSJs	0914-05-219		
District #	14	AFA ID	Z00003466
Code Chart 64 #	50246		
Project Name	CR 143 from west and east of Dry Berry Creek		

ATTACHMENT C
RESOLUTION
RESOLUTION

The State of Texas
County of **Williamson**

WHEREAS, the federal off-system bridge program is administered by the Texas Department of Transportation (the State) to replace, rehabilitates or remove structurally deficient and functional obsolete (collectively referred to as deficient) bridges located on public roads and streets off the designated state highway system; and

WHEREAS, **Williamson County** will provide the Project funding from the Capital Project Funds.

WHEREAS, **Williamson County**, hereinafter referred to as the Local Government, own bridges and approaches:

Located on **CR 143 at DRY BERRY CREEK**, National Bridge Inventory (NBI) Structure Number **142460AA0171001**, Control-Section-Job (CSJ) Number **0914-05-203**; and

Located on **CR 143 From 3,200' E of CR 234 to 3,882' E and From 4,082' E of CR 234 to 4,814' W of IH 35**, Control-Section-Job (CSJ) Number **0914-05-219**; and

THEREFORE, BE IT RESOLVED:

That **Williamson County** has agreed and accepted the Highway Bridge Replacement and Rehabilitation Program (HBRRP) funding for CR 143 at Dry Berry Creek (0914-05-203) in separate Advance Funding Agreement with the State. **Williamson County** shall be responsible for any cost due to changes or modification to the initial plan including any cost overruns which will be administer through this Advance Funding Agreement.

That **Williamson County** has agreed to costs outlined in the Advance Funding agreement for CR 143 From 3,200' E of CR 234 to 3,882' E and From 4,082' E of CR 234 to 4,814' W of IH 35 (under CSJ#0914-05-219) with the State. **Williamson County** shall be responsible for any project cost overruns for both projects which are under CSJ#0914-05-203 and CSJ#0914-05-219.

Now therefore, the Williamson County Commissioners Court does hereby approve the Advance Funding Agreement and enter into this agreement with the Texas Department of Transportation for the Project reference above by the two CSJs. The County Judge is authorized to execute all documents necessary to complete this transaction.

APPROVAL SIGNATURES

Valerie Covey

Date: January 30, 2024

Texas Department of Transportation

P.O. Box 15426, AUSTIN, TEXAS 78761-5426 | 512.832.7000 | WWW.TXDOT.GOV

June 2, 2025

Williamson County
Attention: Kon Kwan
710 Main Street, Suite 101
Georgetown, TX 78626

REF: CSJ 0914-05-219– To perform PS&E for construction of road re-alignment on either side of Dry Berry Creek on CR 143

Dear Mr. Kwan,

Per executed agreement of February 14th, 2024, the second payment of $1,609,865.00 for participation on the subject project is now due. Please make payment by check or direct deposit and use the instructions below for either method.

Check

Please make payable to Texas Department of Transportation, notate on the check the CSJ # **0914-05-219** and mail it preferably with tracking number to:

TxDOT Austin District Headquarters
7901 N. IH-35
Austin, TX 78753
Attn. Business Services Office – Ronnie Martinez

Direct Deposit, Automated Clearing House (ACH)

Please send notification with the date the funds were transferred.

Payment Instructions (direct deposit):

Bank Name:	Bank of America, P.O. Box 908
Routing Number:	111000025
Account Name:	***Glenn Hegar,* Comptroller of Public Account**
Account Number:	006040070607
Customer Name:	601- Texas Department of Transportation
Addenda Record	**CSJ 0914-05-219** Remitter's name and amount
Bank Contact:	*Marcie Enriquez – 512-397-2883*

If you have any questions, please contact us at any time.

Vilma V. Ruiz

Texas Department of Transportation
Austin District - TPD-Project Delivery
Vilma V. Ruiz

Commissioners Court - Regular Session **7.**

Meeting Date: 06/10/2025

Line item transfer for Road & Bridge Division

Submitted For: Matt Williamson **Submitted By:** Jenifer Favreau, Infrastructure

Department: Infrastructure **Division:** Road & Bridge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line-item transfer for Road and Bridge.

Background

This transfer is necessary in order to effectively continue road construction and maintenance operations for the remainder of the fiscal year.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-003551	Base & Stabilizer	$125,000.00
From	0200-0210-004620	Furniture/Equip Rental	$150,000.00
From	0200-0210-005711	Heavy Equipment>$5,000	$50,000.00
From	0200-0210-000777	Transfer to Cap. Projects-P692	$400,000.00
To	0200-0210-003599	Road Constr./Maint.	$725,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Andrea Schiele	06/05/2025 12:17 PM
Budget Office	Saira Hernandez	06/05/2025 03:09 PM
Form Started By: Jenifer Favreau		Started On: 06/05/2025 11:18 AM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **8.**

Meeting Date: 06/10/2025

Compensation Items

Submitted By: Kayla Marek, Human Resources

Department: Human Resources

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approving compensation changes, position title changes, position grade changes, and any corresponding line item transfers.

Background

See attached documentation for details.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Merit Report

Merit LIT

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Allen Frederick	06/04/2025 03:53 PM
County Judge Exec Asst.	Delia Colon	06/04/2025 04:53 PM
Budget Office	Saira Hernandez	06/05/2025 09:22 AM
Form Started By: Kayla Marek		Started On: 06/04/2025 10:12 AM
Final Approval Date: 06/05/2025		

Department	Position	Emp Num	Current Annual Salary	Annual Merit Amt	Merit%	New Annual Salary	Lump-sum Merit	Pay Proposal Reason	Effective Date of Change
Animal Services	Operations Manager.0211.001100.	12232	$67,455.96	$2,023.58	3.00	$69,479.54	-	MERIT	20-Jun-25
County Attorney	Legal Assistant II.0017.001100.	15037	$55,596.28	$2,223.85	4.00	$57,820.13	-	MERIT	20-Jun-25
Unified Road Systems	Engineer III.2065.001100.	17412	$141,491.48	$9,904.44	7.00	$151,395.92	-	MERIT	20-Jun-25

				(TO)	(FROM)
entity	**fund**	**dept**	**object**	**dr**	**cr**
01	0545	0545	001100	2,023.58	
01	0545	0545	001130		2,023.58
01	0100	0475	001100	2,223.85	
01	0100	0475	001130		2,223.85
01	0200	0210	001100	9,904.44	
01	0200	0210	001130		9,904.44

Commissioners Court - Regular Session **9.**

Meeting Date: 06/10/2025

Property Tax Refunds – Over 2500 – Thru 06/04/2025

Submitted For: Larry Gaddes

Submitted By: Rebecca Bruton, County Tax Assessor Collector

Department: County Tax Assessor Collector

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving property tax refunds over $2,500.00 through 06/04/2025 for the Williamson County Tax Assessor/Collector.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

032825-060425 Refunds Over 2500

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/04/2025 04:54 PM
Form Started By: Rebecca Bruton		Started On: 06/04/2025 01:01 PM
Final Approval Date: 06/04/2025		

MISSION STATEMENT

Our dedicated team is committed to providing innovative and exceptional customer service in the assessment, collection, and distribution of taxes and fees.

Larry Gaddes PCAC, CTA
Tax Assessor/Collector

Date: June 04, 2025

To: Members of the Commissioners Court

From: Larry Gaddes PCAC, CTA

Subject: Property Tax Refunds

In accordance with Section 31.11 of the Property Tax Code, the court needs to approve all refunds in excess of $2,500.00. We are presenting the attached list, which includes these property tax refunds, for your approval.

Please contact me at (512) 943-1954, if you have any questions.

Thank you.

Property Tax
Account QuickReport
As of June 4, 2025

Type	Date	Num	Name	Memo	Amount
Refunds Payable - Taxpayers					
Check	05/29/2025	114866	DOVENMUEHLE MORTGAGE INC	R559091 - Overpayment	-6,992.57
Total Refunds Payable - Taxpayers					-6,992.57
TOTAL					**-6,992.57**

Commissioners Court - Regular Session **10.**

Meeting Date: 06/10/2025

JP1 EOM MAY 2025

Submitted For: KT Musselman **Submitted By:** Misty Lamb, J.P. Pct. #1

Department: J.P. Pct. #1

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action to approve Justice of the Peace, Pct. 1, May 2025 Monthly Report in compliance with Code of Crim. Proc. § 103.005.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

JP1 EOM MAY 2025

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/03/2025 10:01 AM
Form Started By: Misty Lamb		Started On: 06/03/2025 09:26 AM
Final Approval Date: 06/03/2025		

IN COMPLIANCE WITH ARTICLE 103

CODE OF CRIMINAL PROCEDURE

THE STATE OF TEXAS

COUNTY OF WILLIAMSON

Before me, the undersigned authority, on this day personally appeared KT Musselman, Justice of the Peace, Precinct 1, Williamson County, who, on his oath, stated that the attached report of money collected is true and correct report for the month of May 2025

DETAILED REPORT IS AVAILABLE THROUGH THE AUDITOR'S OFFICE.

KT MUSSELMAN
JUSTICE OF THE PEACE
PRECINCT ONE

On this 3rd day of June 2025 to certify which witness my hand and seal of office.

MISTY LAMB
My Notary ID # 128210087
Expires May 5, 2026

NOTARY PUBLIC
In and for the State of Texas

Payment Report - G/L and Fund Summary

Transaction Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP1** Payment Type: **Cash Bond Deposit; Counter Payment; ...**

G/L Account	G/L Account Number	Fee Totals
0100 - General Fund		
01-0100-0000-209700 - JP COURTS-REFUNDS	L-004-1-01-0100-0000-209700: 01-0100-0000-209700 - JP COURTS-REFUNDS	50.00
01-0100-0000-341200 - Sheriff Fees (WILCO)	L-004-1-01-0100-0000-341200: 01-0100-0000-341200 - Sheriff Fees (WILCO)	80.00
01-0100-0000-341801 - FEES OF OFFICE, JP PCT-1	L-004-1-01-0100-0000-341801: 01-0100-0000-341801 - FEES OF OFFICE, JP PCT #1	13,764.58
01-0100-0000-341901 - CIVIL FEES/OFFICE, CONST 1	L-004-1-01-0100-0000-341901: 01-0100-0000-341901 - Fees of Office, Const. PCT #1	28,760.00
01-0100-0000-341911 - CRIMINAL FEES/OFFICE, CONST 1	L-004-1-01-0100-0000-341911: 01-0100-0000-341911 - Fees of Office, Crim. Const PCT #1	850.00
01-0100-0000-342860 -Time Payment Fee County 2.50	L-004-1-01-0100-0000-342860: 01-0100-0000-342860 - Time Payment Fee County 2.50	188.90
01-0100-0000-351301 - FINES, JP PCT-1	L-004-1-01-0100-0000-351301: 01-0100-0000-351301 - FINES, JP PCT #1	17,891.40
01-0100-0000-362021 - COURT TRANSACTION FEES	L-004-1-01-0100-0000-362021: 01-0100-0000-362021 - COURT TRANSACTION FEES	10.00
01-0100-0000-365103 Language Access Fund	L-004-1-01-0100-0000-365103: Language Access Fund	1,371.00
99-9999-9999-000003 - LOCAL Consolidated CC-Misd C	L-004-1-01-99-9999-9999-000003: 99-9999-9999-000003 - LOCAL Consolidated CC-MISD C	1,954.41
	0100 - General Fund Total:	**64,920.29**
0360 - Courthouse Security Fund		
01-0360-0000-341150 - COURTHOUSE SECURITY FEES	L-004-1-01-0360-0000-341150: 01-0360-0000-341150 - Courthouse Security Fees	18.00
	0360 - Courthouse Security Fund Total:	**18.00**
0361 - JP Security Fund		
01-0361-0000-341151 - JP 1 SECURITY FEES	L-004-1-01-0361-0000-341151: 01-0361-0000-341151 - JP 1 SECURITY FEES	6.00
	0361 - JP Security Fund Total:	**6.00**
0370 - Alternate Dispute Resolution Fund		
01-0370-0000-341170 - Alternate Dispute Resolution Fees	L-004-1-01-0370-0000-341170: 01-0370-0000-341170 - Alternate Dispute Resolution Fees	2,285.00
	0370 - Alternate Dispute Resolution Fund Total:	**2,285.00**
0372 - Justice Court Technology Fund		
01-0372-0000-341141 - JP 1 TECHNOLOGY FEES	L-004-1-01-0372-0000-341141: 01-0372-0000-341141 - JP #1 TECHNOLOGY FEES	24.00
	0372 - Justice Court Technology Fund Total:	**24.00**
0373 - JP-1 Truancy Program Fund		
01-0373-0000-341917 - JP1 Truant Conduct (HB 2398)	L-004-1-01-0373-0000-341917: 01-0373-0000-341917 - JP1 Truant Conduct (HB 2398)	50.00
01-0373-0000-370000 - JP-1 Truancy Program Fees	L-004-1-01-0373-0000-370000: 01-0373-0000-370000 - JP-1 Truancy Program	30.00
	0373 - JP-1 Truancy Program Fund Total:	**80.00**

Payment Report - G/L and Fund Summary

Transaction Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP1** Payment Type: **Cash Bond Deposit; Counter Payment; ...**

G/L Account	G/L Account Number	Fee Totals
0399 - State Agency Fund		
01-0399-0000-208031 - JP 1 Truancy Prev/Diversion - State	L-004-1-01-0399-0000-208031: 01-0399-0000-208031 - JP 1 Truancy Prev/Diversion - State	10.00
01-0399-0000-208160 - CCC FEES DUE TO STATE COMP	L-004-1-01-0399-0000-208160: 01-0399-0000-208160 - Consolidated Court Costs	240.00
01-0399-0000-208165 - CCC 01.2020 Fee's Due to State	L-004-1-01-0399-0000-208165: 01-0399-0000-208165 - State Con Court Cost LGC 133.102(a)(3)	8,148.16
01-0399-0000-208181 - State Consolidated Fee	L-004-0399-0000-208181: State Consolidated Fee	714.00
01-0399-0000-208235 - JURY SERVICE FEES DUE TO STATE	L-004-1-01-0399-0000-208235: 01-0399-0000-208235 - Jury Service Fee	24.00
01-0399-0000-208352 - CRIMINAL JUDICIAL SUPPORT DUE	L-004-1-01-0399-0000-208352: 01-0399-0000-208352 - Support of the Judiciary Fund	36.00
01-0399-0000-208400 - DPS ARREST FEES DUE TO STATE	L-004-1-01-0399-0000-208400: 01-0399-0000-208400 - Texas Highway Patrol Arrest Fees	88.09
01-0399-0000-208415 - MOVING VIOLATION FEE DUE TO ST	L-004-1-01-0399-0000-208415: 01-0399-0000-208415 - Moving Violation Fee Due to State	0.10
01-0399-0000-208426 - State Traffic Fine Due To State	L-004-1-01-0399-0000-208426: 01-0399-0000-208426 - State Traffic Fine Due To State	2,692.36
01-0399-0000-208703 - INDIGENT DEF FEES - DUE TO ST	L-004-1-01-0399-0000-208703: 01-0399-0000-208703 - Indigent Defense Fee	12.00
01-0399-0000-208720 - SEATBELT FINES	L-004-1-01-0399-0000-208720: 01-0399-0000-208720 - Seatbelt Fines	25.50
01-0399-0000-208860 - TIME PYMT FEES DUE TO STATE	L-004-1-01-0399-0000-208860: 01-0399-0000-208860 - Time Payment	50.00
	0399 - State Agency Fund Total:	**12,040.21**
JP BOND		
01-0100-0000-207019 - JP1 Bond Liability Account	L-004-1-02-00002: JP1 Registry Bond Account Liability	1,750.00
	JP BOND Total:	**1,750.00**
	Fee Totals for All Funds:	**81,123.50**

Payment Report - Fee Code Summary

Transaction Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP1**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
2020AFAPD	Arrest Fee - Austin PD 102.011(a)(1), 102.011(e)	0.06	1	0.00	0	0.00	0	0.06	1
2020AFDPS	Arrest Fee - DPS CCP 102.011.(a)(1), 102.011(e)	88.09	18	0.00	0	0.00	0	88.09	18
2020AFSO	Arrest Fee - Sheriff's Office 102.011(a)(1), 102.011(e)	584.80	131	0.00	0	0.00	0	584.80	131
2020CCC	State Cons Court Cost LGC 133.102(a)(3)	8,148.16	149	0.00	0	0.00	0	8,148.16	149
2020CDF	Compliance Dismissal Fine	230.00	23	0.00	0	0.00	0	230.00	23
2020DSCM	Driving Safety Course Mandatory CCP 45. 0511(f)(1)	90.00	9	0.00	0	0.00	0	90.00	9
2020LCCC-C	LOCAL Consolidated Court Cost LGC 134.103(a)	1,954.41	153	0.00	0	0.00	0	1,954.41	153
2020LTF	Local Traffic Fine (TC 542.403)	161.53	60	0.00	0	0.00	0	161.53	60
2020STF	State Traffic Fine (TC 542.4031)	2,692.36	60	0.00	0	0.00	0	2,692.36	60
2020TPF	Time Payment Fee CCP 102.030	188.90	20	0.00	0	0.00	0	188.90	20
2020WFC1	Warrant Fee - Const Pct 1 CCP 102.011(a)(2), 102.011(e)	650.00	13	0.00	0	0.00	0	650.00	13
ADMIN	Administration Fee [CCP 102.072]	10.00	5	0.00	0	0.00	0	10.00	5
AFSO	Arrest Fee - Sheriff's Office (CCP 102.011)	30.00	6	0.00	0	0.00	0	30.00	6
CB	Cash Bond	1,750.00	4	0.00	0	0.00	0	1,750.00	4
CCC	Consolidated Court Costs [Loc. Gov't Code, 133.102]	240.00	6	0.00	0	0.00	0	240.00	6
CCOP	Civil Copies	25.00	25	0.00	0	0.00	0	25.00	25
CERT	Certified Copy	2.00	1	0.00	0	0.00	0	2.00	1
CFINE	County Fine	17,891.40	148	0.00	0	0.00	0	17,891.40	148
CHS	Courthouse Security Fee (CCP 102.017)	18.00	6	0.00	0	0.00	0	18.00	6
CHSJC	JP Security Fee (CCP 102.017)	6.00	6	0.00	0	0.00	0	6.00	6
CONT1	Constable Service Fee Pct #1	20,640.00	204	0.00	0	(80.00)	1	20,560.00	205
CSFF	Child Safety Fee (CCP 102.014(d))	16.69	2	0.00	0	0.00	0	16.69	2
DDF	Deferred Disposition Fee	1,013.00	7	0.00	0	0.00	0	1,013.00	7
FNTC1	Child Safety Seat Fine Trauma Center	25.50	1	0.00	0	0.00	0	25.50	1
IDF	Indigent Defense Fee (LGC 133.107)	12.00	6	0.00	0	0.00	0	12.00	6
JCTF	Justice Court Technology Fee (CCP 102.0173)	24.00	6	0.00	0	0.00	0	24.00	6
JFR	Jury Reimbursement Fee (CCP 102.0045)	24.00	6	0.00	0	0.00	0	24.00	6
JTP	Juvenile Truancy Program (CCP 102.0174)	30.00	6	0.00	0	0.00	0	30.00	6
JTPDC	Juvenile Truancy Prev/Diversion Due to County (CCP 102.015)	5.00	5	0.00	0	0.00	0	5.00	5

Payment Report - Fee Code Summary

Transaction Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP1**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
JTPDS	Juvenile Truancy Prev/Diversion Due to State (CCP 102.015)	5.00	5	0.00	0	0.00	0	5.00	5
JUSFC	Judicial Support Fund - County (LGC 133.105)	3.60	6	0.00	0	0.00	0	3.60	6
JUSFS	Judicial Support Fund - State (LGC 133.105)	32.40	6	0.00	0	0.00	0	32.40	6
MISCOP	Miscellaneous Copy Fees	6.50	3	0.00	0	0.00	0	6.50	3
MVF	Moving Violation Fee (CCP 102.022)	0.10	1	0.00	0	0.00	0	0.10	1
SB41CDRF	County Dispute Resolution fund - LGC 135.157	2,290.00	458	0.00	0	(5.00)	1	2,285.00	459
SB41JCSF	Justice Court Support Fund	11,450.00	458	0.00	0	(25.00)	1	11,425.00	459
SB41LAF	Language Access Fund - LGC 135.155	1,374.00	458	0.00	0	(3.00)	1	1,371.00	459
SB41SCF	State Consolidated Fee	714.00	34	0.00	0	0.00	0	714.00	34
SCH	School District Fine	50.00	1	0.00	0	0.00	0	50.00	1
TCC	Truancy Court Cost (HB2398)	50.00	1	0.00	0	0.00	0	50.00	1
TPC	Time Payment Fee - County	25.00	2	0.00	0	0.00	0	25.00	2
TPS	Time Payment Fee - State	25.00	2	0.00	0	0.00	0	25.00	2
WARC1	Warrant Fee - Constable Pct. 1	200.00	4	0.00	0	0.00	0	200.00	4
WCSO	Williamson County Sheriff	50.00	1	0.00	0	0.00	0	50.00	1
WEXEC	Writ of Execution	5.00	1	0.00	0	0.00	0	5.00	1
WGAR	Writ of Garnishment	5.00	1	0.00	0	0.00	0	5.00	1
WPOSS	Writ of Possession	200.00	40	0.00	0	0.00	0	200.00	40
WSF1	Constable #1 - Writ Service Fee	8,200.00	41	0.00	0	0.00	0	8,200.00	41

Fee Code Summary Totals	Gross		Positive Adjustments		Negative Adjustments		Net	
	Amount	Number	Amount	Number	Amount	Number	Amount	Number
	81,236.50	2,610	0.00	0	(113.00)	4	81,123.50	2,614

Commissioners Court - Regular Session **11.**

Meeting Date: 06/10/2025

May 2025 Monthly Report

Submitted For: Angela Williams **Submitted By:** Melissa East, J.P. Pct. #2

Department: J.P. Pct. #2

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action to approve Justice of the Peace Precinct 2 May 2025 Monthly Report in compliance with Code of Criminal Procedure 103.005.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

May 2025 Report

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/03/2025 11:26 AM
Form Started By: Melissa East		Started On: 06/03/2025 11:19 AM
Final Approval Date: 06/03/2025		

Affidavit

IN COMPLIANCE WITH ARTICLE 103
CODE OF CRIMINAL PROCEDURE

THE STATE OF TEXAS
COUNTY OF WILLIAMSON

Before me, the undersigned authority, on this day personally appeared Angela Williams, Justice of the Peace, Precinct 2, Williamson County, who on her oath, stated that the attached report of monies collected is a true and correct report for the month of MAY 2025.

ANGELA WILLIAMS
JUSTICE OF THE PEACE
WILLIAMSON COUNTY PRECINCT 2

On this 3rd day of June 2025, to certify which witness my hand and seal of office.

Notary Public
in and for the State of Texas

MELISSA EAST
My Notary ID # 128012229
Expires December 8, 2025

Payment Report - G/L and Fund Summary

TXWILLIAMSONPROD

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP2**

G/L Account	G/L Account Number	Fee Totals
0100 - General Fund		
01-0100-0000-207017 - Collections Agency Fee	L-004-2-01-0100-0000-207017: 01-0100-0000-207017 - Collections Agency Fee	411.00
01-0100-0000-209700 - JP COURTS-REFUNDS	L-004-2-01-0100-0000-209700: 01-0100-0000-209700 - JP COURTS-REFUNDS	305.00
01-0100-0000-341200 - Sheriff Fees (WILCO)	L-004-2-01-0100-0000-341200: 01-0100-0000-341200 - Sheriff Fees (WILCO)	215.00
01-0100-0000-341802 - FEES OF OFFICE, JP PCT-2	L-004-2-01-0100-0000-341802: 01-0100-0000-341802 - FEES OF OFFICE, JP PCT #2	11,565.80
01-0100-0000-341902 - CIVIL FEES/OFFICE, CONST 2	L-004-2-01-0100-0000-341902: 01-0100-0000-341902 - Fees of Office, Const. PCT #2	7,840.00
01-0100-0000-341912 - CRIMINAL FEES/OFFICE, CONST 2	L-004-2-01-0100-0000-341912: 01-0100-0000-341912 - Fees of Office, Crim. Const PCT #2	560.00
01-0100-0000-341914 - CRIMINAL FEES/OFFICE, CONST 4	L-004-2-01-0100-0000-341914: 01-0100-0000-341914 - Fees of Office, Crim. Const PCT #4	115.00
01-0100-0000-342860 -Time Payment Fee County 2.50	L-004-2-01-0100-0000-342860: 01-0100-0000-342860 - Time Payment Fee County 2.50	537.82
01-0100-0000-351302 - FINES, JP PCT-2	L-004-2-01-0100-0000-351302: 01-0100-0000-351302 - FINES, JP PCT #2	25,167.50
01-0100-0000-365103 Language Access Fund	L-004-2-01-0100-0000-365103: Language Access Fund	900.00
99-9999-9999-000003 - LOCAL Consolidated CC-Misd C	L-004-2-99-9999-9999-000003: 99-9999-9999-000003 - LOCAL Consolidated CC - Misd C	3,546.02
	0100 - General Fund Total:	**51,163.14**
0361 - JP Security Fund		
01-0361-0000-341152 - JP 2 SECURITY FEES	L-004-2-01-0361-0000-341152: 01-0361-0000-341152 - JP 2 SECURITY FEES	16.00
	0361 - JP Security Fund Total:	**16.00**
0368 - JP-2 Truancy Program Fund		
01-0368-0000-342190 - Youth Diversion Program (HB 3186)	L-004-2-01-0368-0000-342190: 01-0368-0000-342190 - Youth Diversion Program (HB 3186)	150.00
01-0368-0000-370000 - JP-2 Truancy Program Fees	L-004-2-01-0368-0000-370000: 01-0368-0000-370000 - JP-2 Truancy Program Fee	15.00
	0368 - JP-2 Truancy Program Fund Total:	**165.00**
0370 - Alternate Dispute Resolution Fund		
01-0370-0000-341170 - Alternate Dispute Resolution Fees	L-004-2-01-0370-0000-341170: 01-0370-0000-341170 - Alternate Dispute Resolution Fees	1,500.00
	0370 - Alternate Dispute Resolution Fund Total:	**1,500.00**
0372 - Justice Court Technology Fund		
01-0372-0000-341142 - JP 2 TECHNOLOGY FEES	L-004-2-01-0372-0000-341142: 01-0372-0000-341142 - JP #2 TECHNOLOGY FEES	16.00
	0372 - Justice Court Technology Fund Total:	**16.00**

Payment Report - G/L and Fund Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP2**

G/L Account	G/L Account Number	Fee Totals
0399 - State Agency Fund		
01-0399-0000-208032 - JP 2 Truancy Prev/Diversion - State	L-004-2-01-0399-0000-208032: 01-0399-0000-208032 - JP 2 Truancy Prev/Diversion - State	6.00
01-0399-0000-208160 - CCC FEES DUE TO STATE COMP	L-004-2-01-0399-0000-208160: 01-0399-0000-208160 - Consolidated Court Costs	160.00
01-0399-0000-208165 - CCC 01.2020 Fee's Due to State	L-004-2-01-0399-0000-208165: 01-0399-0000-208165 - State Con Court Cost LGC 133.102(a)(3)	15,455.77
01-0399-0000-208181 - State Consolidated Fee	L-004-0399-0000-208181: State Consolidated Fee	441.00
01-0399-0000-208235 - JURY SERVICE FEES DUE TO STATE	L-004-2-01-0399-0000-208235: 01-0399-0000-208235 - Jury Service Fee	16.00
01-0399-0000-208352 - CRIMINAL JUDICIAL SUPPORT DUE	L-004-2-01-0399-0000-208352: 01-0399-0000-208352 - Support of the Judiciary Fund	22.00
01-0399-0000-208400 - DPS ARREST FEES DUE TO STATE	L-004-2-01-0399-0000-208400: 01-0399-0000-208400 - Texas Highway Patrol Arrest Fees	648.99
01-0399-0000-208425 - ST TRAFFIC FEES DUE TO STATE	L-004-2-01-0399-0000-208425: 01-0399-0000-208425 - State Traffic Fee	30.00
01-0399-0000-208426 - State Traffic Fine Due to State 2020	L-004-2-01-0399-0000-208426: 01-0399-0000-208426 - State Traffic Fine Due To State	6,759.10
01-0399-0000-208703 - INDIGENT DEF FEES - DUE TO ST	L-004-2-01-0399-0000-208703: 01-0399-0000-208703 - Indigent Defense Fee	6.00
01-0399-0000-208720 - SEATBELT FINES	L-004-2-01-0399-0000-208720: 01-0399-0000-208720 - Seatbelt Fines	50.00
01-0399-0000-208750 - TLFTA FEES DUE TO STATE COMP	L-004-2-01-0399-0000-208750: 01-0399-0000-208750 - Traffic Law Failure To Appear	30.00
01-0399-0000-208860 - TIME PYMT FEES DUE TO STATE	L-004-2-01-0399-0000-208860: 01-0399-0000-208860 - Time Payment	37.50
	0399 - State Agency Fund Total:	**23,662.36**
	Fee Totals for All Funds:	**76,522.50**

Payment Report - Fee Code Summary

TXWILLIAMSONPROD

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP2**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
2020AFC2	Arrest Fee - Constable 2 CCP 102.011(a)(1), 102.011(e)	5.00	1	0.00	0	0.00	0	5.00	1
2020AFC4	Arrest Fee - Constable 4 CCP 102.011(a)(1), 102.011(e)	115.00	23	0.00	0	0.00	0	115.00	23
2020AFCOM	Arrest Fee-TX Comp of Pub. Accts CCP 102. 011(a)(1),102.011e	5.00	1	0.00	0	0.00	0	5.00	1
2020AFDPS	Arrest Fee - DPS CCP 102.011.(a)(1), 102.011(e)	543.99	112	0.00	0	0.00	0	543.99	112
2020AFRRIS	Arrest Fee - Round Rock ISD PD	10.00	2	0.00	0	0.00	0	10.00	2
2020AFSO	Arrest Fee - Sheriff's Office 102.011(a)(1), 102.011(e)	517.43	106	0.00	0	0.00	0	517.43	106
2020AHLHIS	Arrest Fee - Liberty Hill ISD CCP 102.011(a)(1), 102.011(e)	60.00	13	0.00	0	0.00	0	60.00	13
2020CCC	State Cons Court Cost LGC 133.102(a)(3)	15,455.77	256	0.00	0	0.00	0	15,455.77	256
2020CDF	Compliance Dismissal Fine	380.00	38	0.00	0	0.00	0	380.00	38
2020DSCM	Driving Safety Course Mandatory CCP 45. 0511(f)(1)	319.06	32	0.00	0	0.00	0	319.06	32
2020LCCC-C	LOCAL Consolidated Court Cost LGC 134.103(a)	3,546.02	260	0.00	0	0.00	0	3,546.02	260
2020LTF	Local Traffic Fine (TC 542.403)	405.56	137	0.00	0	0.00	0	405.56	137
2020POEPAW	State Warrant Fee -DPS CCP102. 011(a)(2),102.011(e)	100.00	2	0.00	0	0.00	0	100.00	2
2020SJF	Jury Summons Fee CCP 102.011(a)(7)	5.00	1	0.00	0	0.00	0	5.00	1
2020STF	State Traffic Fine (TC 542.4031)	6,759.10	137	0.00	0	0.00	0	6,759.10	137
2020TPF	Time Payment Fee CCP 102.030	535.32	39	0.00	0	0.00	0	535.32	39
2020WFC2	Warrant Fee - Const Pct 2 CCP 102.011(a)(2), 102.011(e)	450.00	9	0.00	0	0.00	0	450.00	9
2020WFWCSO	Warrant Fee Sheriff's Office CCP 102.011(a)(2). 102.011(e)	50.00	1	0.00	0	0.00	0	50.00	1
AB	Abstract	10.00	2	0.00	0	0.00	0	10.00	2
AFSO	Arrest Fee - Sheriff's Office (CCP 102.011)	15.00	4	0.00	0	0.00	0	15.00	4
CCC	Consolidated Court Costs [Loc. Gov't Code, 133.102]	160.00	5	0.00	0	0.00	0	160.00	5
CCOP	Civil Copies	39.75	34	0.00	0	0.00	0	39.75	34
CERT	Certified Copy	16.00	4	0.00	0	0.00	0	16.00	4
CFINE	County Fine	24,967.50	204	0.00	0	0.00	0	24,967.50	204
CHS	Courthouse Security Fee (CCP 102.017)	12.00	5	0.00	0	0.00	0	12.00	5
CHSJC	JP Security Fee (CCP 102.017)	4.00	5	0.00	0	0.00	0	4.00	5

Payment Report - Fee Code Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP2**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
CJS	Criminal Judicial Support Fee (LGC 103.105)	4.00	1	0.00	0	0.00	0	4.00	1
COLLFEE	Collection Agency Fee	411.00	6	0.00	0	0.00	0	411.00	6
CONT2	Constable Service Fee Pct #2	6,320.00	62	0.00	0	(80.00)	1	6,240.00	63
CSFF	Child Safety Fee (CCP 102.014(d))	40.00	2	0.00	0	0.00	0	40.00	2
CVFEEOVER	Civil Overpayment Fee	80.00	1	0.00	0	0.00	0	80.00	1
DDF	Deferred Disposition Fee	2,200.00	30	0.00	0	0.00	0	2,200.00	30
DSC	Driver's Safety Course Fee (CCP 45.0511(f1))	10.00	1	0.00	0	0.00	0	10.00	1
FNTC1	Child Safety Seat Fine Trauma Center	50.00	1	0.00	0	0.00	0	50.00	1
IDF	Indigent Defense Fee (LGC 133.107)	6.00	4	0.00	0	0.00	0	6.00	4
JCTF	Justice Court Technology Fee (CCP 102.0173)	16.00	5	0.00	0	0.00	0	16.00	5
JFR	Jury Reimbursement Fee (CCP 102.0045)	16.00	5	0.00	0	0.00	0	16.00	5
JTP	Juvenile Truancy Program (CCP 102.0174)	15.00	4	0.00	0	0.00	0	15.00	4
JTPDC	Juvenile Truancy Prev/Diversion Due to County (CCP 102.015)	3.00	4	0.00	0	0.00	0	3.00	4
JTPDS	Juvenile Truancy Prev/Diversion Due to State (CCP 102.015)	3.00	4	0.00	0	0.00	0	3.00	4
JUSFC	Judicial Support Fund - County (LGC 133.105)	1.80	4	0.00	0	0.00	0	1.80	4
JUSFS	Judicial Support Fund - State (LGC 133.105)	16.20	4	0.00	0	0.00	0	16.20	4
SB41CDRF	County Dispute Resolution fund - LGC 135.157	1,505.00	301	0.00	0	(5.00)	1	1,500.00	302
SB41JCSF	Justice Court Support Fund	7,525.00	301	0.00	0	(25.00)	1	7,500.00	302
SB41LAF	Language Access Fund - LGC 135.155	903.00	301	0.00	0	(3.00)	1	900.00	302
SB41SCF	State Consolidated Fee	441.00	21	0.00	0	0.00	0	441.00	21
SCH	School District Fine	225.00	2	0.00	0	0.00	0	225.00	2
STF	State Traffic Fee (TC 542.4031)	30.00	1	0.00	0	0.00	0	30.00	1
TCCF	Truant Conduct Contempt Fine - Child	200.00	8	0.00	0	0.00	0	200.00	8
TLF	OMNI Fee - State	30.00	1	0.00	0	0.00	0	30.00	1
TP	Time Payment Fee	25.00	1	0.00	0	0.00	0	25.00	1
TPCC2	Time Payment Fee County 2.50	2.50	1	0.00	0	0.00	0	2.50	1
TPS	Time Payment Fee - State	12.50	1	0.00	0	0.00	0	12.50	1
UFA	Uniform Traffic Act (TC 542.403)	3.00	1	0.00	0	0.00	0	3.00	1
WARC2	Warrant Fee - Constable Pct. 2	100.00	3	0.00	0	0.00	0	100.00	3
WCSO	Williamson County Sheriff	150.00	3	0.00	0	0.00	0	150.00	3
WEXEC	Writ of Execution	25.00	5	0.00	0	0.00	0	25.00	5

Payment Report - Fee Code Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Criminal; Civil**
Locations: **JP2**

Fee Code Summary									
Code Word	**Description**	**Gross**		**Positive Adjustments**		**Negative Adjustments**		**Net**	
		Amount	**Number**	**Amount**	**Number**	**Amount**	**Number**	**Amount**	**Number**
WPOSS	Writ of Possession	30.00	6	0.00	0	0.00	0	30.00	6
WSF2	Constable #2 - Writ Service Fee	1,600.00	8	0.00	0	0.00	0	1,600.00	8
YDP	Youth Diversion Administrative Fee ($50)	150.00	3	0.00	0	0.00	0	150.00	3
Fee Code Summary Totals		**Gross**		**Positive Adjustments**		**Negative Adjustments**		**Net**	
		Amount	**Number**	**Amount**	**Number**	**Amount**	**Number**	**Amount**	**Number**
		76,635.50	2,539	0.00	0	(113.00)	4	76,522.50	2,543

Commissioners Court - Regular Session **12.**

Meeting Date: 06/10/2025

Justice of the Peace 4 May 2025 Monthly Report

Submitted By: Veronica Bolander, J.P. Pct. #4

Department: J.P. Pct. #4

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action to approve Justice of the Peace, Pct. 4, May 2025 Monthly Report in compliance with Code of Crim. Proc. § 103.005.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

JP4 EOM MAY 2025

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 08:19 AM
Form Started By: Veronica Bolander		Started On: 06/04/2025 06:20 PM
Final Approval Date: 06/05/2025		

IN COMPLIANCE WITH ARTICLE 103.005
CODE OF CRIMINAL PROCEDURE

THE STATE OF TEXAS
COUNTY OF WILLIAMSON

Before me, the undersigned authority, on this day personally appeared Rhonda Redden, Justice of the Peace, Precinct 4, Williamson County, who on her oath, stated that the attached report of money collected is a true and correct report for the month of May 2025.

JUSTICE COURT PRECINCT 4 WILLIAMSON COUNTY, TEXAS

RHONDA REDDEN
JUSTICE OF THE PEACE
PRECINCT FOUR

This 2nd day of June 2025, to certify which witness my hand and seal of office.

NOTARY PUBLIC STATE OF TEXAS
VERONICA BOLANDER
My Notary ID # 2676312
Expires November 2, 2027

NOTARY PUBLIC in and for the State of Texas

Payment Report - Transaction/Adjustment Detail

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4** Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Final Totals		**Fee Totals**	**Transaction Totals**
Total Payments		**120,131.06**	**120,131.06**
Total Adjustments Impacting Payments		**0.00**	**0.00**
Final Fee Code Totals		**120,131.06**	**120,131.06**
Tender Method Summary			
Tender Types	Cash	7,788.47	7,788.47
	Cashier's Check	64.00	64.00
	Certified Payments Credit Card	53,217.68	53,217.68
	Check	1,555.50	1,555.50
	Credit Card	31,024.06	31,024.06
	E-File Credit Card	23,596.00	23,596.00
	Money Order	2,885.35	2,885.35

Detailed report is available through the Auditor's Office.

Payment Report - G/L and Fund Summary

TXWILLIAMSONPROD

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

G/L Account	G/L Account Number	Fee Totals
0100 - General Fund		
01-0100-0000-207017 - Collections Agency Fee	L-004-4-01-0100-0000-207017: 01-0100-0000-207017 - Collections Agency Fee	2,545.57
01-0100-0000-209600 - FINES DUE TO TX PARKS WILDLIFE	L-004-4-01-0100-0000-209600: 01-0100-0000-209600 - Fines Due to TX Parks Wildlife	617.95
01-0100-0000-209700 - JP COURTS-REFUNDS	L-004-4-01-0100-0000-209700: 01-0100-0000-209700 - JP Courts Refunds	0.00
01-0100-0000-341804 - FEES OF OFFICE, JP PCT-4	L-004-4-01-0100-0000-341804: 01-0100-0000-341804 - Fees of Office, JP Pct. #4	17,569.30
01-0100-0000-341904 - CIVIL FEES/OFFICE, CONST 4	L-004-4-01-0100-0000-341904: 01-0100-0000-341904 - Fees of Office, Const. PCT #4	15,080.00
01-0100-0000-341914 - CRIMINAL FEES/OFFICE, CONST 4	L-004-4-01-0100-0000-341914: 01-0100-0000-341914 - Fees of Office, Crim. Const PCT #4	1,327.01
01-0100-0000-342860 -Time Payment Fee County 2.50	L-004-4-01-0100-0000-342860: 01-0100-0000-342860 - Time Payment Fee County 2.50	900.92
01-0100-0000-351304 - FINES, JP PCT-4	L-004-4-01-0100-0000-351304: 01-0100-0000-351304 - FINES, JP PCT #4	40,937.45
01-0100-0000-365103 Language Access Fund	L-004-4-01-0100-0000-365103: 01-0100-0000-365103 - Language Access Fund	1,179.00
01-0399-0000-208354 - Judicial/Court Train Fee Due to State	L-004-4-01-0399-0000-208354: 01-0399-0000-208354 - Judicial/Court Train Fee Due to State	5.00
99-9999-9999-000003 - LOCAL Consolidated CC-Misd C	L-004-4-99-9999-9999-000003: 99-9999-9999-000003 - LOCAL Consolidated CC-MISD C	5,262.78
	0100 - General Fund Total:	**85,424.98**
0361 - JP Security Fund		
01-0361-0000-341154 - JP 4 SECURITY FEES	L-004-4-01-0361-0000-341154: 01-0361-0000-341154 - JP 4 SECURITY FEES	3.31
	0361 - JP Security Fund Total:	**3.31**
0365 - Child Safety Fund		
01-0365-0000-341161 - JP CHILD SAFETY FEE	L-004-4-01-0365-0000-341161: 01-0365-0000-341161 - JP CHILD SAFETY FEE	50.00
	0365 - Child Safety Fund Total:	**50.00**
0369 - JP-4 Truancy Program Fund		
01-0369-0000-341917 - JP4 Truant Conduct (HB 2398)	L-004-4-01-0369-0000-341917: 01-0369-0000-341917 - JP4 Truant Conduct (HB 2398)	100.00
01-0369-0000-342190 - Youth Diversion Program (HB 3186)	L-004-4-01-0369-0000-342190: 01-0369-0000-342190 - Youth Diversion Program (HB 3186)	150.00
01-0369-0000-370000 - JP-4 Truancy Program Fees	L-004-4-01-0369-0000-370000: 01-0369-0000-370000 - JP-4 Truancy Program Fee	4.13
	0369 - JP-4 Truancy Program Fund Total:	**254.13**
0370 - Alternate Dispute Resolution Fund		
01-0370-0000-341170 - Alternate Dispute Resolution Fees	L-004-4-01-0370-0000-341170: 01-0370-0000-341170 - Alternate Dispute Resolution Fees	1,965.00
	0370 - Alternate Dispute Resolution Fund Total:	**1,965.00**

Payment Report - G/L and Fund Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4** Payment Type: **Cash Bond Deposit; Counter Payment; ...**

G/L Account	G/L Account Number	Fee Totals
0372 - Justice Court Technology Fund		
01-0372-0000-341144 - JP 4 TECHNOLOGY FEES	L-004-4-01-0372-0000-341144: 01-0372-0000-341144 - JP #4 TECHNOLOGY FEES	3.30
	0372 - Justice Court Technology Fund Total:	**3.30**
0399 - State Agency Fund		
01-0399-0000-208022 - Justice Courts Civil Electronic Filing	L-004-4-01-0399-0000-208022: 01-0399-0000-208022 - JP Ct. Civil Electronic Filing Fee	10.00
01-0399-0000-208034 - JP 4 Truancy Prev/Diversion - State	L-004-4-01-0399-0000-208034: 01-0399-0000-208034 - JP 4 Truancy Prev/Diversion - State	1.65
01-0399-0000-208160 - CCC FEES DUE TO STATE COMP	L-004-4-01-0399-0000-208160: 01-0399-0000-208160 - Consolidated Court Costs	33.03
01-0399-0000-208165 - CCC 01.2020 Fee's Due to State	L-004-4-01-0399-0000-208165: 01-0399-0000-208165 - State Con Court Cost LGC 133.102(a)(3	22,921.48
01-0399-0000-208181 - State Consolidated Fee	L-004-4-01-0399-0000-208181: 01-0399-0000-208181 - State Consolidated Fee	651.00
01-0399-0000-208235 - JURY SERVICE FEES DUE TO STATE	L-004-4-01-0399-0000-208235: 01-0399-0000-208235 - Jury Service Fee	3.30
01-0399-0000-208352 - CRIMINAL JUDICIAL SUPPORT DUE	L-004-4-01-0399-0000-208352: 01-0399-0000-208352 - Support of the Judiciary Fund	4.94
01-0399-0000-208400 - DPS ARREST FEES DUE TO STATE	L-004-4-01-0399-0000-208400: 01-0399-0000-208400 - Texas Highway Patrol Arrest Fees	424.00
01-0399-0000-208415 - MOVING VIOLATION FEE DUE TO ST	L-004-4-01-0399-0000-208415: 01-0399-0000-208415 - Moving Violation Fee Due to State	0.02
01-0399-0000-208426 - State Traffic Fine Due To State	L-004-4-01-0399-0000-208426: 01-0399-0000-208426 - State Traffic Fine Due To State	7,038.16
01-0399-0000-208703 - INDIGENT DEF FEES - DUE TO ST	L-004-4-01-0399-0000-208703: 01-0399-0000-208703 - Indigent Defense Fee	1.65
01-0399-0000-208720 - SEATBELT FINES	L-004-4-01-0399-0000-208720: 01-0399-0000-208720 - Seatbelt Fines	197.00
01-0399-0000-208822 - JP CIVIL LEGAL FEE FOR INDIGEN	L-004-4-01-0399-0000-208822: 01-0399-0000-208822 - JP Civil Legal Fee for Indigent	6.00
01-0399-0000-208850 - WEIGHT VIOLATION FINES DUE TO	L-004-4-01-0399-0000-208850: 01-0399-0000-208850 - Weight Violation Fines	1,129.92
01-0399-0000-208860 - TIME PYMT FEES DUE TO STATE	L-004-4-01-0399-0000-208860: 01-0399-0000-208860 - Time Payment	8.19
	0399 - State Agency Fund Total:	**32,430.34**
	Fee Totals for All Funds:	**120,131.06**

Payment Report - Fee Code Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
2020AFC4	Arrest Fee - Constable 4 CCP 102.011(a)(1), 102.011(e)	23.19	6	0.00	0	0.00	0	23.19	6
2020AFDPS	Arrest Fee - DPS CCP 102.011.(a)(1), 102.011(e)	383.10	91	0.00	0	0.00	0	383.10	91
2020AFHISD	Arrest Fee - Hutto ISD PD CCP 102.011(a)(1), 102.011(e)	12.16	3	0.00	0	0.00	0	12.16	3
2020AFJISD	Arrest Fee - Jarrell ISD PD CCP 102.011(a)(1), 102.011(e)	33.01	10	0.00	0	0.00	0	33.01	10
2020AFPW	Arrest Fee - TX P&W CCP 102.011(a)(1), 102.011(e)	40.90	10	0.00	0	0.00	0	40.90	10
2020AFSO	Arrest Fee - Sheriff's Office 102.011(a)(1), 102.011(e)	1,378.16	321	0.00	0	0.00	0	1,378.16	321
2020CCC	State Cons Court Cost LGC 133.102(a)(3)	22,921.48	437	0.00	0	0.00	0	22,921.48	437
2020CDF	Compliance Dismissal Fine	320.00	32	0.00	0	0.00	0	320.00	32
2020DSCM	Driving Safety Course Mandatory CCP 45.0511(f)(1)	310.93	34	10.00	1	0.00	0	320.93	35
2020LCCC-C	LOCAL Consolidated Court Cost LGC 134.103(a)	5,262.78	444	0.00	0	0.00	0	5,262.78	444
2020LTF	Local Traffic Fine (TC 542.403)	421.83	165	0.00	0	0.00	0	421.83	165
2020STF	State Traffic Fine (TC 542.4031)	7,029.64	165	0.00	0	0.00	0	7,029.64	165
2020TPF	Time Payment Fee CCP 102.030	899.28	90	0.00	0	0.00	0	899.28	90
2020WFC4	Warrant Fee - Const Pct 4 CCP 102.011(a)(2), 102.011(e)	1,259.68	27	0.00	0	0.00	0	1,259.68	27
2020WFHPD	Warrant Fee - Hutto PD CCP 102.011(a)(2), 102.011(e)	150.00	3	0.00	0	0.00	0	150.00	3
AB	Abstract	5.00	1	0.00	0	0.00	0	5.00	1
AFSO	Arrest Fee - Sheriff's Office (CCP 102.011)	4.13	2	0.00	0	0.00	0	4.13	2
CCC	Consolidated Court Costs [Loc. Gov't Code, 133.102]	33.03	2	0.00	0	0.00	0	33.03	2
CCOP	Civil Copies	44.75	30	0.00	0	0.00	0	44.75	30
CERT	Certified Copy	7.50	2	0.00	0	0.00	0	7.50	2
CFINE	County Fine	40,897.45	370	50.00	1	(10.00)	1	40,937.45	372
CHS	Courthouse Security Fee (CCP 102.017)	2.48	2	0.00	0	0.00	0	2.48	2
CHSJC	JP Security Fee (CCP 102.017)	0.83	2	0.00	0	0.00	0	0.83	2
CJS	Criminal Judicial Support Fee (LGC 103.105)	4.94	2	0.00	0	0.00	0	4.94	2
COLLFEE	Collection Agency Fee	2,545.57	31	0.00	0	0.00	0	2,545.57	31
CONT4	Constable Service Fee Pct #4	11,280.00	108	0.00	0	0.00	0	11,280.00	108

Payment Report - Fee Code Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
CRFEEOVER	Criminal Overpayment Fee	0.00	2	0.00	0	0.00	0	0.00	2
CSFF	Child Safety Fee (CCP 102.014(d))	15.98	2	0.00	0	0.00	0	15.98	2
CSSF	Child Safety School Fee (CCP 102.014(c))	50.00	2	0.00	0	0.00	0	50.00	2
DDF	Deferred Disposition Fee	4,933.34	66	0.00	0	(50.00)	1	4,883.34	67
EFF	Electronic Filing Fee	10.00	1	0.00	0	0.00	0	10.00	1
FNTC1	Child Safety Seat Fine Trauma Center	197.00	3	0.00	0	0.00	0	197.00	3
IDF	Indigent Defense Fee (LGC 133.107)	1.65	2	0.00	0	0.00	0	1.65	2
ISF	Indigent Legal Services Fee	6.00	1	0.00	0	0.00	0	6.00	1
JCTF	Judicial/Court Training Fee Due to State	5.00	1	0.00	0	0.00	0	5.00	1
JCTF	Justice Court Technology Fee (CCP 102.0173)	3.30	2	0.00	0	0.00	0	3.30	2
JFR	Jury Reimbursement Fee (CCP 102.0045)	3.30	2	0.00	0	0.00	0	3.30	2
JTP	Juvenile Truancy Program (CCP 102.0174)	4.13	2	0.00	0	0.00	0	4.13	2
JURY	Jury Fee	22.00	6	0.00	0	0.00	0	22.00	6
MVF	Moving Violation Fee (CCP 102.022)	0.02	1	0.00	0	0.00	0	0.02	1
SB41CDRF	County Dispute Resolution fund - LGC 135.157	1,965.00	394	0.00	0	0.00	0	1,965.00	394
SB41JCSF	Justice Court Support Fund	9,825.00	394	0.00	0	0.00	0	9,825.00	394
SB41LAF	Language Access Fund - LGC 135.155	1,179.00	394	0.00	0	0.00	0	1,179.00	394
SB41SCF	State Consolidated Fee	651.00	31	0.00	0	0.00	0	651.00	31
SFC4	Service/Arrest Fee - Const. 4	44.14	8	0.00	0	0.00	0	44.14	8
SFMCWV	State Fine - Motor Carrier Weight Violation	1,129.92	9	0.00	0	0.00	0	1,129.92	9
STFS	State Traffic Fine Due To State (HB2048)	8.52	1	0.00	0	0.00	0	8.52	1
TCC	Truancy Court Cost (HB2398)	100.00	2	0.00	0	0.00	0	100.00	2
TFC	Traffic	0.51	1	0.00	0	0.00	0	0.51	1
TPC	Time Payment Fee - County	1.64	1	0.00	0	0.00	0	1.64	1
TPDF	Truancy Prevention and Diversion Fund - JP4 eDoc Conversion	1.65	2	0.00	0	0.00	0	1.65	2
TPS	Time Payment Fee - State	8.19	1	0.00	0	0.00	0	8.19	1
TPWF	Texas P&W Fine	617.95	10	0.00	0	0.00	0	617.95	10
TRANS	Transcript	10.00	1	0.00	0	0.00	0	10.00	1
WEXEC	Writ of Execution	10.00	2	0.00	0	0.00	0	10.00	2
WPOSS	Writ of Possession	80.00	16	0.00	0	0.00	0	80.00	16
WREEN	Writ of Re-entry	25.00	1	0.00	0	0.00	0	25.00	1

Payment Report - Fee Code Summary

Deposit Date: **05/01/2025 - 05/31/2025** Case Categories: **Civil; Criminal**
Locations: **JP4**

Payment Type: **Cash Bond Deposit; Counter Payment; ...**

Fee Code Summary

Code Word	Description	Gross		Positive Adjustments		Negative Adjustments		Net	
		Amount	Number	Amount	Number	Amount	Number	Amount	Number
WSF4	Constable #4 - Writ Service Fee	3,800.00	19	0.00	0	0.00	0	3,800.00	19
YDP	Youth Diversion Administrative Fee ($50)	150.00	3	0.00	0	0.00	0	150.00	3
Fee Code Summary Totals		**Gross**		**Positive Adjustments**		**Negative Adjustments**		**Net**	
		Amount	**Number**	**Amount**	**Number**	**Amount**	**Number**	**Amount**	**Number**
		120,131.06	3,773	60.00	2	(60.00)	2	120,131.06	3,777

Justice of the Peace 4
Consolidated Court Cost Calculation Sheet

Deposit Date: 05/01/2025-05/31/2025

	DR	CR	GL Code	GL Description	ALLOCATION %
Local CCC-Class C		$5,262.78	99-9999-9999-000003	Local CCC-Class C Due to County	
Court Security Fee	$1,841.97		01.0361.0000.341154	COURTHOUSE SECURITY FEES	35.000000%
Local Truancy Prevention & Diversion Fund Fee	$1,879.57		01.0369.0000.370000	Local Truancy Prevention & Diversion Fund Fee	35.714300%
Justice Court Technology Fund	$1,503.65		01.0372.0000.341144	Justice Court Technology Fund	28.571400%
County Jury Fund Fee	$37.59		01.0100.0000.342853	County Jury Fund Fee	0.714300%
Percentage Distribution Total:	$5,262.78	$5,262.78			100.000000%
Collected	$5,262.78				

Commissioners Court - Regular Session **13.**

Meeting Date: 06/10/2025

Deputy Appointment - Constable 4

Submitted By: Brian Olson, Constable Pct. #4

Department: Constable Pct. #4

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action to confirm the appointment of Shane Newell as a Pct 4 Deputy Constable for Williamson County pursuant to Texas Local Government Code 86.011.

Background

Constable Leal is appointing Shane Newell as a Deputy Constable after having completed an extensive background investigation and interview process. Mr. Newell is a licensed Texas Peace Officer with an Advanced Peace Officer certification from the Texas Commission on Law Enforcement.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/04/2025 08:14 AM
Form Started By: Brian Olson		Started On: 06/03/2025 10:28 PM
Final Approval Date: 06/04/2025		

Commissioners Court - Regular Session **14.**

Meeting Date: 06/10/2025

Extension ESD 10

Submitted By: Becky Pruitt, County Judge

Department: County Judge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a request by Williamson County ESD No. 10 to extend the June 1st deadline to file its annual Audit Report of the ESD's fiscal accounts and records to no later than July 1, 2024, in accordance with Texas Health & Safety Code Sec. 775.082(d).

Background

Health & Safety Code Sec. 775.082. AUDIT OF DISTRICT IN LESS POPULOUS COUNTIES. (a) The county auditor of a county that contains any part of the district shall have access to the books, records, officials, and assets of the district. (b) A district shall prepare and file with the commissioners court of each county that contains any part of the district on or before June 1 of each year an audit report of the district's fiscal accounts and records. The audit shall be performed, and the report shall be prepared at the expense of the district. The county auditor, with the approval of the commissioners court, shall adopt rules relating to the format of the audit and report. If a district is located in more than one county, the county auditors, with the approval of the commissioners court of each county in which the district is located, shall adopt uniform rules relating to the format of the audit and report. (c) The person who performs the audit and issues the report must be an independent certified public accountant or firm of certified public accountants licensed in this state, unless the commissioners court by order requires the audit to be performed by the county auditor at least 120 days before the end of the district's fiscal year. (d) The commissioners court, on application made to the commissioners court by the district, may extend up to an additional 30 days the deadline for filing the audit report. (e) If the district fails to complete and file the audit report within the time provided by Subsection (b) or (d), the commissioners court may order the county auditor to perform the audit and issue the report. If a district is located in more than one county, the commissioners court of each county in which the district is located shall designate by joint order a county auditor of one of the counties to perform the audit and issue the report. (e-1). When a district located wholly in one county fails to complete and file the audit report by September 1 of each year and a county auditor is not ordered to prepare the report, the president and treasurer of the board are removed from the board and the commissioners court shall fill the vacancies as provided by Section 775.034. (f) The district shall pay all costs incurred by the county auditor to perform an audit and issue the report required by this section, unless otherwise ordered by the commissioners court or by joint order of the commissioners courts, if the district is located in more than one county. (g) This section does not apply to a district located wholly in a county with a population of more than three million.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Letter

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst. (Originator)	Delia Colon	06/02/2025 03:50 PM
Form Started By: Becky Pruitt		Started On: 06/02/2025 03:29 PM
Final Approval Date: 06/02/2025		

Williamson County

Emergency Services District #10

www.wcesd10.org

May 30, 2025

Williamson County Commissioners Court
710 Main Street
Georgetown, Texas 78626

To: Judge Steven Snell

Re: Annual Financial Report for Year End of September 30, 2024

Williamson County Emergency Services District #10 would like to request a 30-day extension for filing of the annual audit report due on June 1, 2025.

According to Texas Health and Safety Code 775.082(d)- "The commissioners court, on application made to the commissioners court by the district, may extend up to an additional 30 days the deadline for filing the audit report."

Williamson County ESD #10 has been working with the District's current auditor to have the audit completed by the June 1st deadline. Unfortunately, the auditor has been unable to meet the deadline. The result of this is the need for the extension.

Going forward the Board of Commissioners for Williamson County ESD #10 will seek to engage a different auditing firm for future audits.

The district would like to apologize for any inconvenience this may cause.

Thank you,

Mark Moellenberg, Fire Chief
Williamson County ESD #10

Commissioners Court - Regular Session **15.**

Meeting Date: 06/10/2025

Approval of Software Purchase from Thomson Reuters Enterprise Centre GmbH for the Death Inquest Investigators

Submitted For: Joy Simonton **Submitted By:** Sandra Malcolm, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the software purchase and Contract #2025257 between Williamson County and Thomson Reuters Enterprise Centre GmbH to purchase CLEAR Proflex and CLEAR Government Investigations for a 36-month subscription in the amount of $20,655.12, pursuant to DIR contract #DIR-CPO-5258 and authorizing the execution of the purchase.

Background

This software purchase and contract will benefit Williamson County through the purchase of CLEAR Proflex for the Death Inquest Investigators. This software will assist with Death Inquests for Driver's Licenses, Social Security Numbers, and next of kin/relative verification of descendants. This software will support the Death Inquest Investigators with the ability to search multiple data banks at one time. This purchase is for a 3-year subscription. Year one will be at $546.00 per month, year two will include a 5% increase to $573.30 per month, and year three will include a 5% increase to $601.96 per month. The funding source is 01.0100.0566.004210 for FY25. Origination #2768. The department's point of contact is Rebecca Pruitt. The vendor is publicly traded. Therefore, a 1295 Form is not required.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Order Form for CLEAR Proflex

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 08:52 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 08:56 AM
Form Started By: Sandra Malcolm		Started On: 05/30/2025 10:55 AM
Final Approval Date: 06/04/2025		

Thomson Reuters™

Order Form Order ID: [redacted]

Contact your representative kyle.keene@thomsonreuters.com with any questions. Thank you.

Subscriber Information

Sold To Account Address	Shipping Address	Billing Address
Account #: 1006019017 Williamson County Death Investigations 401 W. 6th ST Georgetown TX 78626 US "Customer"	Account #: 1006019017 Williamson County Death Investigations 401 W. 6th ST Georgetown TX 78626 US	Account #: 1006019017 Williamson County Death Investigations 401 W. 6th ST Georgetown, TX 78626 US

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B. Thomson Reuters Enterprise Centre GmbH to the extent that products or services will be provided by Thomson Reuters Enterprise Centre GmbH.

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For non-federal customers the following shall apply: Thomson Reuters General Terms and Conditions (http://tr.com/us-general-terms-and-conditions) apply to the purchase and use of all products, except print, and together with any applicable Product Specific Terms (set forth below) are incorporated into this Order Form by this reference. In the event that there is a conflict of terms among the General Terms and Conditions, the Product Specific Terms and this Order Form, the order of precedence shall be Order Form, the Product Specific Terms, and last the General Terms and Conditions.

ProFlex Products
See Attachment for details

Material #	Product	Monthly Charges	Minimum Terms (Months)
41308780	CLEAR Proflex	$546.00	36

Bridge Products

Material #	Product	Quantity	Unit	Bridge Monthly Charges	Bridge Term (Months)
41308780	CLEAR Proflex	1	Each	$0.00	1

Bridge Terms

Bridge Monthly Charges begin on the date we process your order and will be prorated for the number of days remaining in the calendar month, if any. The Bridge Monthly charges will continue for the number of complete calendar months listed in the Bridge Term column above. At the end of the Bridge Term, your Monthly Charges and the Minimum Term will be as described in the Product grid above. All other terms and conditions of the Order Form remain unchanged.

Minimum Terms

Your subscription is effective upon the date we process your order ("Effective Date") and Monthly Charges will be prorated for the number of days remaining in that month, if any. Your subscription will continue for the number of months listed in the Minimum Term column above plus any

Bridge Term that may be outlined above counting from the first day of the month following the Effective Date. Your Monthly Charges during the first twelve (12) months of the Minimum Term are as set forth above. If your Minimum Term is longer than 12 months, then your Monthly Charges for each year of the Minimum Term are displayed in the Attachment to the Order Form.

Post Minimum Terms

Your subscription will automatically renew at the end of the Minimum Term. Each Automatic Renewal Term will be 12 months in length ("Automatic Renewal Term"), and we will notify you of any change in the Monthly Charges at least 60 days before each Automatic Renewal Term starts. You are also responsible for all Excluded Charges.

Federal government subscribers that chose a multi-year Minimum Term, those additional years will be implemented at your option pursuant to federal law. Either of us may cancel the Automatic Renewal Term by sending notice in writing at least 30 days before an Automatic Renewal Term begins. Send your notice of cancellation to Customer Service, 610 Opperman Drive., P.O. Box 64833, Eagan, MN 55123-1803.

Miscellaneous

The Federal Product Specific Terms can be found here: http://tr.com/federal-product-specific-terms

Applicable Law. If you are a state or local governmental entity, your state's law will apply, and any claim may be brought in the state or federal courts located in your state. If you are a non-governmental entity, this Order Form shall be interpreted under Minnesota state law and any claim by one of us shall exclusively be brought in the state or federal courts in Minnesota. If you are a United States Federal Government subscriber, United States federal law will apply, and any claim may be brought in any federal court.

Charges, Payments & Taxes. You agree to pay all charges in full within 30 days of the date of invoice. You are responsible for any applicable sales, use, value added tax (VAT), etc. unless you are tax exempt. If you are a non-government subscriber and fail to pay your invoiced charges, you are responsible for collection costs including attorneys' fees.

eBilling Contact. All invoices for this account will be emailed to your e-Billing Contact(s) unless you have notified us that you would like to be exempt from e-Billing.

Credit Verification. If you are applying for credit as an individual, we may request a consumer credit report to determine your creditworthiness. If we obtain a consumer credit report, you may request the name, address and telephone number of the agency that supplied the credit report. If you are applying for credit on behalf of a business, we may request a current business financial statement from you to consider your request.

Cancellation Notification Address. Send your notice of cancellation to Customer Service, 610 Opperman Drive, P.O. Box 64833, Eagan MN 55123-1803

Confidentiality of Ordering Document. You understand that disclosure of the terms contained in this ordering document would cause competitive harm to us, and you agree not to disclose these terms to any third person.

Regulated Data. Due to the regulated or private nature of some data in our information products such as credit header data, motor vehicle data, driver license data and voter registration data, you may need to complete a credentialing process which will include certifying what your legally permissible use of the data will be. You agree to immediately notify us if any of the information you provided in your ordering document or during the credentialing process changes. You agree to and warrant that you are the end user of this data and that you will only use it for your own internal business purposes. You also warrant that you will strictly limit the access, use and distribution of this data to user permitted under applicable laws, rules and regulations and as permitted by the third party additional terms. You will keep the data confidential. You will use industry standard administrative, physical and technical safeguards to protect the data. You will not disclose it to anyone except as necessary to carry out your permissible use. You will immediately report any misuse, abuse or compromise of the data. You agree to cooperate with any resulting inquiry. If we reasonably believe that the data has been misused, abused or compromised, we may block access without additional notice. You are responsible for all damages caused by misuse, abuse or compromise of the data by you, your employees and any person or entity with whom you shared the data. We will be responsible for damages cause by us. We are not a consumer reporting agency. You may use information product data to support your own processes and decisions but you may not deny any service or access to a service to a consumer based solely upon the information product data. Examples of types of service include eligibility for credit or insurance, employment decisions and any other purpose described in the Fair Credit Reporting Act (15 U.S.C.A. 1681b). If the Financial Industry Regulatory Authority regulations apply to you, you may use our information products to verify the accuracy and completeness of information submitted to you by each applicant for registration on Form U4 or Form U5 in compliance with the requirements of FINRA Rule 3110. You may use the information products in this manner only in furtherance of written policies and procedures that are designed to achieve your compliance with FINRA Rule 3110 or as otherwise allowed by the General Terms and Conditions.

Excluded Charges And Schedule A Rates. If you access products or services that are not included in your subscription you will be charged our then-current rate ("Excluded Charges"). Excluded Charges will be invoiced and due with your next payment. For your reference, the current Excluded Charges schedules are located http://static.legalsolutions.thomsonreuters.com/static/agreement/schedule-a-clear.pdf and Excluded Charges change from time-to-time upon 30 days written or online notice. We may, at our option, make certain products and services Excluded Charges if we are contractually bound or otherwise required to do so by a third party provider or if products or services are enhanced or if new products or services are released after the effective date of this ordering document. Modification of Excluded Charges or Schedule A rates is not a basis for termination under paragraph 10 of the General Terms and Conditions.

CLEAR Fixed Rate Usage :If the transactional value of your CLEAR fixed rate usage exceeds your then-current Monthly Charges by more than 10 times in any month (or by 20 times in any month for Enterprise Law Enforcement subscribers), we may limit access to live gateways and request that the parties enter into good faith renegotiation or terminate upon 10 days written notice. Transactional value of your CLEAR usage is calculated based upon our then-current Schedule A rate. Schedule A rates may change upon at least 30 days written or online notice.

Batch Usage :If you have a fixed rate batch and/or batch alerts subscription and the total of your batch inputs or batch alerts exceeds your annual fixed rate batch or total batch alerts allotment, we may: 1) request the parties enter into good faith negotiations regarding a superseding agreement, 2)

terminate your subscription upon 10 days written notice or 3) limit your access to your fixed rate batch subscription for the remainder of the then-current 12 month period, during which time you will continue to be billed your Monthly Charges. If your access to your fixed rate batch subscription has been limited, your access will be reinstated on the first day of the following 12 month period.

If the trial includes Batch Services, you may submit up to 1,000 input lines at no cost. We reserve the right to invoice you for input lines in excess of 1,000. You will pay our then current Schedule A rate. Schedule A rates are located at http://legalsolutions.com/schedule-a-clear.

Existing Vigilant Subscribers: We may terminate your License Plate Recognition (LPR) subscription if you are an existing Vigilant LEARN subscriber whose LPR pricing is based upon your existing Vigilant LEARN agreement, and you cancel your Vigilant LEARN agreement.

Enterprise Law Enforcement Subscribers: You certify that you have up to the number of Sworn Officers in your employ at this location identified in the QTY Column above. Our pricing for banded products is made in reliance upon your certification. If we learn that the actual number is greater, we reserve the right to increase your charges as applicable.

CLEAR Subscribers via an Alliance Partner. In limited circumstances we may allow you to access CLEAR through a third party's ("Service Provider") software or service (together with CLEAR, the "Integrated System"). In the event that you enter into a license agreement to access an Integrated System, you agree as follows:

We have no obligation to Service Provider with regard to the functionality or non-functionality of CLEAR during or after the integration. Service Provider will have access to CLEAR on your behalf and you will ensure Service Provider's compliance with the terms and conditions of the Thomson Reuters General Terms and Conditions located in the General Terms and Conditions paragraph above. Except as otherwise provided in your agreement with us, Data may not (i) be distributed or transferred in whole or in part via the Integrated System or otherwise to any third party, (ii) be stored in bulk or in a searchable database, and (iii) not be used in any way to replace or to substitute for CLEAR or as a component of any material offered for sale, license or distribution to third parties. No party will use any means to discern the source code of our products and product data. You are responsible for Service Provider's access to CLEAR on your behalf. You are responsible for all damages caused by misuse, abuse or compromise of the data by Service Provider, you, your employees and any person or entity with which you shared the data. We will be responsible for damages caused by us.

. For Law Enforcement Agencies and Correctional Facilities Only – No Inmate Westlaw or CLEAR Access (direct or indirect)

I certify, on behalf of Subscriber, that I understand and accept the security limits of Westlaw or CLEAR ; Subscriber's responsibility for controlling Westlaw, CLEAR, internet and network access; and, how Subscriber will be using Westlaw or CLEAR. I acknowledge Subscriber's responsibility for providing West with prompt written notice if Subscriber's type of use changes.

Only non-inmates/administrative staff will access Westlaw or CLEAR with no direct Westlaw research results provided to inmates (including work product created as part of inmates' legal representation). In no event shall anyone other than Subscriber's approved employees be provided access to or control of any terminal with access to Westlaw or Westlaw Data.

Functionality of Westlaw or CLEAR cannot and does not limit access to non-West internet sites. It is Subscriber's responsibility to control access to the internet.

Subscriber will provide its own firewall, proxy servers or other security technologies as well as desktop security to limit access to the Westlaw or CLEAR URL and West software (including CD-ROM orders). Subscriber will design, configure and implement its own security configuration.

Subscriber will not use any data nor distribute any data to a third party for use, in a manner contrary to or in violation of any applicable federal, state, or local law, rule or regulation or in any manner inconsistent with the General Terms and Conditions.

Subscriber will maintain the most current version of the West software to access CD-ROM Products for security purposes.

Amended Terms and Conditions

LIMITATION OF LIABILITY. EACH PARTY'S OR ANY OF ITS THIRD-PARTY PROVIDERS' ENTIRE LIABILITY IN THE AGGREGATE FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE AGREEMENT, INCLUDING FOR NEGLIGENCE, WILL NOT EXCEED TWO TIMES THE CONTRACT VALUE. CONTRACT VALUE IS DEFINED IN THE ORDERING DOCUMENTS. IN NO EVENT SHALL WE OR OUR THIRD-PARTY PROVIDERS BE LIABLE FOR ANY PENALTIES, INTEREST, TAXES OR OTHER AMOUNTS IMPOSED BY ANY GOVERNMENTAL OR REGULATORY AUTHORITY. NEITHER PARTY IS LIABLE TO THE OTHER FOR INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, FOR LOSS OF DATA, OR LOSS OF PROFITS (IN EITHER CASE, WHETHER DIRECT OR INDIRECT) EVEN IF SUCH DAMAGES OR LOSSES COULD HAVE BEEN FORESEEN OR PREVENTED.

Government Non-Availability of Funds for Online, Practice Solutions or Software Products

You may cancel a product or service with at least 30 days written notice if you do not receive sufficient appropriation of funds. Your notice must include an official document, (e.g., executive order, an officially printed budget or other official government communication) certifying the non-availability of funds. You will be invoiced for all charges incurred up to the effective date of the cancellation.

Signature for Order ID: [redacted]

ACKNOWLEDGEMENT [redacted]

I have read all pages and attachments to this Order Form and I accept the terms on behalf of Subscriber. I warrant that I am authorized to sign this Order Form on behalf of the Subscriber.

Signature of Authorized Representative for order	**Title**
Printed Name	**Date**

This Order Form will expire and will not be accepted after 8/21/2025 CT.

Thomson Reuters™

Attachment Order ID: [redacted]

Contact your representative kyle.keene@thomsonreuters.com with any questions. Thank you.

Order ID: [redacted]

Payment, Shipping and Contact Information

Payment Method:
Payment Method: Bill to Account
Account Number: 1006019017
This order is made pursuant to: TX MSA DIR-CPO-5258 (TXM1)

Order Confirmation Contact (#28)
Contact Name:Pruitt, Rebecca
Email:rebecca.pruitt@wilcotx.gov

ProFlex Multiple Location Details

Account Number	Account Name	Account Address	Action
1006019017	Williamson County	401 W. 6th ST Georgetown TX 78626 US	New

ProFlex Product Details

Quantity	Unit	Service Material #	Description
1	Each	41308780	CLEAR Proflex
4	Seats	41954352	CLEAR Government Investigations

Account Contacts

Contact Name		Email Address	Customer Type Description
Rebecca	Pruitt	rebecca.pruitt@wilcotx.gov	CLEAR PRIMARY CONT
Rebecca	Pruitt	rebecca.pruitt@wilcotx.gov	EML PSWD CONTACT

IP Address Information

From IP Address	To IP Address	From IP Address	To IP Address	From IP Address	To IP Address
1.1.1.1					

Charges During Minimum Term

Material #	Product Name	Monthly Year 1 Charges	% incr Yr 1-2*	Monthly Year 2 Charges	% incr Yr 2-3*	Monthly Year 3 Charges	% incr Yr 3 4*	Monthly Year 4 Charges	% incr Yr 4-5*	Monthly Year 5 Charges
41308780	CLEAR Proflex	$546.00	5.00	$573.30	5.00	$601.96	N/A	$N/A	N/A	$N/A

Charges During Minimum Term

Pricing is displayed only for the years included in the Minimum Term. Years without pricing in above grid are not included in the Minimum Term. Refer to your Order Form for the Post Minimum Term pricing

Commissioners Court - Regular Session **16.**

Meeting Date: 06/10/2025

Approval of Addendum with Cequel Communications, LLC dba Optimum Business for the Sheriff's Office

Submitted For: Joy Simonton **Submitted By:** Sandra Malcolm, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the Addendum and Service Agreement #2025247 between Williamson County and Cequel Communications, LLC dba as Optimum Business for Internet Service for a monthly fee of $110.00 and an initial installation fee of $100.00, authorizing the execution of the addendum and service agreement and exempting the purchase from competitive bidding through Local Government Code 262.024 (7)(A)(c) electric, gas, power, water or utility services.

Background

The approval of this Addendum and Service Agreement will benefit Williamson County by providing Optimum Internet service to the old Department of Public Safety (DPS) Office at 515 Pine Street, Georgetown, TX 78626. Optimum is the preferred Internet provider for the County with the best value for Internet service. The Business Optimum 500 package provides up to 500 Mbps download and 50 Mbps upload speeds with unlimited Optimum Wi-Fi access for up to 25 devices for a monthly fee of $110.00 per month as long as services are needed at this location. The funding source for this is 01.0100.0560.004210 for FY25. Origination #2750. The department's point of contact is Virginia Johnson. The vendor is publicly traded. Therefore, a 1295 Form is not needed.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Addendum and Service Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/03/2025 01:51 PM
County Judge Exec Asst.	Delia Colon	06/03/2025 02:53 PM
Form Started By: Sandra Malcolm		Started On: 05/23/2025 01:49 PM
Final Approval Date: 06/03/2025		

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THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

ADDENDUM NO. 1
TO
CEQUEL COMMUNICATIONS, LLC dba OPTIMUM BUSINESS' SERVICE AGREEMENT/ORDER FORM DATED 5/12/2025

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to the Texas Constitution, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

The underlying Service Agreement/Order Form Dated 5/12/2025 (the "Agreement"), between **Cequel Communications, LLC dba Optimum Business** (hereinafter "Optimum") and Williamson County, Texas ("Customer" or "Subscriber") is amended as specifically set forth herein to incorporate the terms and conditions of this Addendum No. 1. As amended, the Agreement shall remain in full force and effect according to its terms and conditions. All terms used in this Addendum No. 1 shall have the meanings attributed to them in the Agreement. This Addendum No. 1 supersedes any and all prior understandings and agreements, oral or written, relating to the subject matter. In the event there is a conflict between the terms and conditions of the Agreement and the terms and conditions of this Addendum No. 1, the following terms and conditions of this Addendum No. 1 shall control:

1. **Termination for Convenience.** The Customer may terminate the Agreement for convenience and without cause or further liability upon giving thirty (30) days written notice to. In the event of such termination, it is understood and agreed that only the amounts due to Optimum for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for The Customer's termination of the Agreement for convenience.

2. **No Indemnification by The Customer.** Optimum acknowledges and agrees that under the Constitution and the laws of the State of Texas, The Customer cannot enter into an agreement whereby The Customer agrees to indemnify or hold harmless any other party, including but not limited to Optimum; therefore, all references of any in the Agreement to The Customer indemnifying, holding or saving harmless any other party, including but not limited to Optimum, for any reason whatsoever are hereby deemed void and deleted.

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3. **Venue and Governing Law.** Each party to the Agreement hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with the Agreement shall lie exclusively in either Williamson County, Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that the Agreement is governed by the laws of the United States, the Agreement shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4. **No Waiver of Immunities.** Nothing in the Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to The Customer, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The Customer does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

5. **The Customer's Right to Audit.** Optimum agrees that The Customer or its duly authorized representatives shall, until the expiration of three (3) years after final payment under the Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Optimum which are directly pertinent to the services to be performed under the Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Optimum agrees that The Customer shall have access during normal working hours to all necessary Optimum facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. The Customer shall give Optimum reasonable advance notice of intended audits.

6. **Non-Appropriation and Fiscal Funding.** The obligations of The Customer under the Agreement do not constitute a general obligation or indebtedness of The Customer for which The Customer is obligated to levy, pledge, or collect any form of taxation. It is understood and agreed that The Customer shall have the right to terminate the Agreement at the end of any Customer's fiscal year if the governing body of The Customer does not appropriate sufficient funds as determined by The Customer's budget for the fiscal year in question. The Customer may effect such termination by giving written notice of termination to Optimum at the end of its then-current fiscal year to be effective as of the last day of The Customer's fiscal year. For purposes of the Agreement, the Customer's fiscal year shall be October 1st to September 30th.

7. **Payment, Interest and Late Payments.** The Customer's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date The Customer receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by The Customer in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of The Customer's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the

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sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by Optimum, The Customer shall notify Optimum of the error not later than the twenty first (21st) day after the date The Customer receives the invoice. If the error is resolved in favor of Optimum, Optimum shall be entitled to receive interest on the unpaid balance of the invoice submitted by Optimum beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of The Customer, Optimum shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice is not paid by the appropriate date.

8. **General Insurance Requirements.** This provision shall apply in the event insurance is required under the Agreement. **"Williamson County, Texas" and its directors, officers and employees shall be added as additional insureds** under the general liability and auto liability coverages of required policies, and on those policies where The Customer, its directors, officers and employees are additional insureds, such insurance shall be primary, and any insurance maintained by The Customer shall be excess and not contribute with it. Such policies shall also include waivers of subrogation in favor of The Customer. The required insurance must be written by a company approved to do business in the State or Texas with a financial standing of at least an A- rating,as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Optimum shall furnish The Customer with a certification of coverage issued by the insurer. Optimum shall not cause any insurance to be canceled nor permit any insurance to lapse. **In addition to any other notification requirements set forth hereunder, Optimum shall also notify The Customer, within twenty-four (24) hours of receipt of any notices of expiration, cancellation, non- renewal, or material change in coverage it receives from its insurer.**

9. **Relationships of the Parties.** Each party to the Agreement, in the performance of the Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

10. **Sales and Use Tax Exemption.** The Customer is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended, and the services and materials subject hereof are being secured for use by The Customer. Exemption certificates will be provided to contractors and suppliers upon request.

11. **Texas Public Information Act.** To the extent, if any, that any provision in the Agreement is in conflict with Tex. Gov't Code 552.001 et seq., as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that

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The Customer, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to The Customer as to whether or not the same are available to the public. It is further understood that The Customer's officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that The Customer, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to The Customer by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

12. **Media Releases:** Optimum shall not use Customer's name, logo, or other likeness in any press release, marketing materials, or other announcement without the Customer's prior written approval.

13. **Conflicting Terms**: In the event of any conflict between the terms and conditions outlined in the Agreement and those specified in any proceeding proposal, quote, or purchase order, the provisions of this Addendum No. 1 shall prevail and govern the relationship of the parties.

14. **Execution in Counterparts.** This Addendum may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original and all of which together shall constitute one and the same document.

15. **Successors and Assigns.** This Addendum shall be binding upon and inure to the benefit of parties hereto and their respective successors and assigns.

16. **County Judge or Presiding Officer Authorized to Sign Contract:** The presiding officer of the County's governing body who is authorized to execute this instrument by order duly recorded may execute this Contract on behalf of the Customer.

WITNESS that this Addendum No. 1 shall be effective as of the date of the last party's execution below.

Cequel Communications LLC
dba Optimum Business

Signed by:
By: Holly Thedford
EED66E82D753451...

Printed Name: Holly Thedford

Title: Regional Sales Manager

Date: 5/21/2025 ____, 20___

Williamson County, Texas

By: _____

Printed Name: Steven Snell

Title: County Judge, Presiding Officer

Date: _____ ____, 20____

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: May 29 2025 Time: 11:11 am

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: May 22 2025 Time: 2:23 pm

Docusign Envelope ID: 96FDB305-97D7-43E9-AD8B-40852A85AE01

Service Agreement/ Order Form

Date: 5/12/2025

Customer Information

Customer Status: New

Customer Name: WILLIAMSON COUNTY

Billing Address: 508 S. Rock St | Suite | Georgetown | TX | 78626-2126
Street Address | *Suite* | *City* | *State* | *Zip Code*

Billing Contact:	Starla Hall	*Phone*	512-943-5270	*Email*	starla.hall@wilcotx.gov
Order Contact:	Heather Vargas	*Phone*	(512)763-9341	*Email*	heather.vargas@wilcotx.gov
Optimum Contact:	Noe Perez	*Phone*		*Email*	noe.perez@optimum.com

Optimum Services

The above Customer agrees to the ordering of the following Services:

Order Type: ADD Service Location Type: 'A' Location: 515 S Pine St Georgetown, TX 78626 Demarc:	Account #: Service Location Type: 'Z' Location: Demarc: Type II : ☐

		Individual Monthly Recurring Charge	*Quantity*	*Total Monthly Recurring Charge*	*Non Recurring Charge*
1	Optimum Business Modem	$15.00	1	$15.00	$0.00
2	Optimum Business - 500 - Promo 500Mb	$95.00	1	$95.00	$100.00

Service Term:	Month to Month
Total Monthly Recurring Charge:	$110.00
Total Installation Charge:	$100.00

For Internal Use Only

Remarks

Terms and Conditions

CSC Holdings, LLC on behalf of its wholly owned subsidiaries, Cequel Communications, LLC. ('Optimum ' or 'Optimum Business') and Customer acknowledge and agree to be bound by the Terms and Conditions attached hereto and/or set forth at https://www.optimum.com/terms-of-service/business Customer will be responsible for the rates listed on the Service Agreement form and all applicable local, state and federal taxes, charges and assessments along with any other applicable charges. Customers purchasing Optimum Business Hosted Voice Service (on Fiber) are also subject to Business Hosted Additional T&C's for Fiber and Exhibits attached hereby and made part of this Agreement
Notice Regarding E911 Services. While your Optimum Phone Service may be supported by a battery backup, it is electrically powered. In the event of a power outage or Optimum network failure, 911 services will not be available. You are prohibited from moving the phone modem from the address where it was installed. If you move the phone modem, the 911 service may not function properly and emergency operators will not be able to identify the caller's location.
By signing this Agreement; (i) you represent that you are the Customer or Customer's authorized agent; (ii) you agree that you have received a copy of and have been given an opportunity to review this Commercial Service Order and Agreement, (iii) you agree to the terms and conditions of the Commercial Service Agreement; (iv) you acknowledge that you have read and understood the Notice Regarding 911 Services above;. This Agreement shall not be deemed effective until it has been executed by both parties.

Agreed by:

Customer	Cequel Communications, LLC (Optimum Business)
Authorized Signature:	Authorized Signature: Signed by: Holly Thedford A63E1D523400421...
Print Name:	Print Name: Holly Thedford
Title:	Title: Regional Sales Manager
Date:	Date: 5/12/2025
Email:	
Phone:	

General Terms and Conditions of Service (Business)

Subscriber ("Customer" or "Subscriber") agree to be bound to these General Terms and Conditions of Service ("Terms of Service" or "Agreement") with respect to all Optimum services ("Service(s)") provided by CSC Holdings, LLC and its affiliates and subsidiaries including Cequel Communications authorized to provide the services set forth herein (collectively, "Optimum"), as well as the additional terms of service applicable to the specific Optimum services and/or features to which customer subscribes or have access, as are set forth at www.optimum.net and may be updated from time to time, including the additional terms applicable to Optimum TV, Optimum Online, Optimum WiFi, Optimum Voice, support services, mobile apps and Auto Pay (collectively, the "Additional Terms of Service"), which are incorporated into these Terms of Service by this reference including Optimum DIA, Optimum Data and other Enterprise Fiber Service and Business Hosted Voice Service. Customer further understands and agree that the Customer Privacy Notice, which governs the collection, use and disclosure of Subscriber personal information, is likewise incorporated into these Terms of Service by reference.

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GENERAL TERMS OF SERVICE APPLICABLE TO SERVICE(S):

1. **Services.** Optimum shall use reasonable efforts to make the Services available by any requested service date. Optimum shall not be liable for any damages whatsoever resulting from delays in meeting any service dates due to delays resulting from construction or for reasons beyond its control. Optimum shall provide Customer with the Services and Equipment identified on the commercial service order presented to Customer' at time of installation ("Service Order"); provided, however, if Optimum determines that Customer's location is not serviceable under Optimum's normal installation guidelines, Optimum may terminate this Agreement. Optimum shall have no responsibility for the maintenance or repair of networks, facilities and equipment not furnished by Optimum.
2. **Payment of Charges.** The charges for one month of Services, including any deposits, activation, set-up, installation, construction and/or Equipment charges, are due upon installation of the Services or as otherwise set forth on the Service Order. Thereafter, Customer agrees to pay monthly recurring Service charges and Equipment charges (if any) in advance, including all applicable fees (such as restoration or experience fees), taxes, regulatory fees, franchise fees, surcharges (including sports and broadcast tv surcharges), or other government assessments no later than the date indicated on Customer's bill. Charges for non-recurring Services or Equipment charges will be reflected on Customer's subsequent bill at the then current applicable rates. All rates for Services, Equipment charges and other fees and surcharges are subject to change in accordance with applicable law. If Customer elects to pay by automatic recurring credit card, debit card or automatic clearing house payments, Customer authorizes Optimum to charge such accounts. If Customer elects to send a check as payment, Customer authorizes Optimum either to use information from Customer's check to make a one-time electronic funds transfer from Customer's bank account or to process the payment as a check transaction. Failure to receive a bill does not release Customer from Customer's obligation to pay. Failure to pay the total balance when due (including checks returned for insufficient funds) shall constitute a breach of this Agreement and may be grounds for termination of Service, removal of Equipment from Customer's premises and/or imposition of a late fee ("Late Fee") in accordance with applicable law. You can avoid incurring Late Fees by paying your monthly bill promptly. Any Late Fee imposed on Customer is intended to be a reasonable advance estimate of costs of managing past due accounts. The Late Fee is not interest, a credit service charge or a finance charge. If the Customer has more than one account (Business and/or Residential) served by Optimum, all Optimum-provided Services at all locations may be subject to discontinuance of Service in the event any one account remains unpaid. In the event collection activities are required, an additional collection charge may be imposed.
3. **Additional Fees.** In addition to Customer's monthly recurring charges and any Late Fee, additional fees may be imposed, including fees for returned checks, Payment Assistance Fees for paying by phone, receiving a paper bill, charge card chargeback, early termination, reconnection and service calls. Additional charges may also be imposed if collection activities are required to recover past due balances, including attorney fees. A list of applicable fees "Schedule of Fees") is available at www.Optimum.com.pricing-packages. Optimum reserves the right to amend or change the Schedule of Fees from time to time.
4. **Third Party Provider Charges.** In connection with Customer's use of the Services and Equipment, Customer may be able to access, subscribe to, use and/or purchase products, services, software or applications that are provided to Customer by third parties ("Third Party Providers"). Customer acknowledges that Customer may incur charges in connection with the subscription to, purchase or use of these Third-Party Provider products, services, software or applications. All such charges, including any additional fees and applicable taxes, shall be paid by Customer to the Third-Party Provider and are not the responsibility of Optimum. Credits or billing adjustments for products, services, software or applications billed by a Third-Party Provider shall be subject to the stated billing practices of that Third Party Provider. Termination of a service or subscription offered for a separate charge billed directly by a Third-Party Provider shall be effected in accordance with the Terms of Service or similar agreement between the Customer and the Third Party Provider.
5. **Taxes.** Customer agrees to pay any local, state or federal taxes imposed or levied on or with respect to the Services, the Equipment or installation or service charges incurred with respect to the same.
6. **Term; Early Termination.** Your Service Term subscription begins either on or the first day following your installation date and continues for the initial term set forth on your Service Order ("Initial Term"). If a Service Order does not specify an Initial Term, You have an automatically renewing monthly Term ("Monthly Subscription").
   a. Monthly Term. If you have a Monthly Subscription, your subscription begins either on or the first day following your installation date and automatically renews thereafter on a monthly basis beginning on the first day of the next billing period assigned to you until cancelled by you. The monthly service charge(s) will be billed at the beginning of your assigned billing period and each month thereafter unless and until you cancel your Service(s). PAYMENTS ARE NONREFUNDABLE AND THERE ARE NO REFUNDS OR CREDITS FOR PARTIALLY USED SUBSCRIPTION PERIOD(S). You may cancel Service(s) for a period up to the last day of the billing period prior to the service period that you wish to cancel, and the cancellation will be effective at the end of the then-current billing period. Any request for cancellation after the commencement of a service period will be effective at the end of the then-current service period. Access to the Services will, if possible, continue to be provided at the location ordered or, if you move, to your new location if in an Optimum-served area (subject to any installation charges).
   b. Initial Term Subscription. If You have an Initial Term, your subscription begins either on or the first day following your installation date and continues for the duration of the applicable Initial Term. Upon the expiration of the Initial Term, Customer's Term automatically renews thereafter on a monthly basis (each, a "Renewal Month") beginning on the first day of the next billing period assigned to you until cancelled by you. The monthly service charge(s) for each month during the Initial Term and any Renewal Months will be billed at the beginning of your assigned billing period and each month thereafter unless and until you cancel your Service(s). PAYMENTS ARE NONREFUNDABLE AND THERE ARE NO REFUNDS OR CREDITS FOR PARTIALLY USED SUBSCRIPTION PERIOD(S).
      i. If you cancel, terminate or downgrade the Service(s) before the completion of the Initial Term"), you agree to pay Optimum early cancellation fees in an amount that includes: (i) all non-recurring charges reasonably expended by Optimum to establish service to Customer and not remunerated, (ii) any disconnection, early cancellation or termination charges reasonably incurred and paid by Optimum to third parties on behalf of Customer, and (iii) all monthly recurring charges for Services and Equipment for the remaining balance of the Initial Term. You agree that early cancellation fees or any other fees may automatically be charged to your account and your credit or debit card provided to Optimum and you agree to pay such fees.
      ii. Following the Initial Term, Customer may cancel Service(s) for a period up to the last day of the billing period prior to the service period that you wish to cancel, and the cancellation will be effective at the end of the then-current billing period. Any request for cancellation after the commencement of a service period will be effective at the end of the then-current service period. Access to the Services will, if possible, continue to be provided at the location ordered or, if you move, to your new location if in a Optimum-served area (subject to any installation charges).

7. **Right to Make Credit Inquiries.** Customer acknowledges and agrees that Optimum may (a) verify Customer's credit standing, make inquiries and receive information about your credit experiences, including your credit report, from credit reporting agencies; (b) enter this information in your file, and disclose this information concerning you to appropriate third parties for reasonable business purposes; and (c) furnish information about you, your account(s) and your payment history to those credit reporting agencies.

8. **Security Deposit.** Optimum may require a deposit or activation fee based on Customer's credit standing or past payment history with Optimum. A deposit or activation fee does not relieve the Customer of the responsibility for the prompt payment of bills on presentation. Any security deposit given by Customer for the Equipment or Optimum's Service will be due and payable upon the first monthly billing. Such security deposits will be returned to Customer within sixty (60) days of termination of Optimum's Service so long as payment has been made for all amounts due on Customer's account and Customer has returned the Optimum Equipment undamaged. Security deposits paid by Customer for Equipment or Services may be used, to the extent permitted by law, to offset any unpaid balance or charges after termination of Service. Customer shall remain liable for any outstanding balances after the security deposit has been applied. Further terms and conditions of the security deposit may be contained in the deposit receipt given to Customer at the time the security deposit is collected.

9. **Disputed Charges.** Customer agrees to pay all undisputed monthly charges and all applicable fees and taxes as itemized on the Optimum monthly bill and notify Optimum in writing of disputed items or requests for credit within thirty (30) days of Customer's receipt of the bill for which correction of an error or credit is sought, or longer as provided by applicable law. The date of the dispute shall be the date Optimum receives sufficient documentation to enable Optimum to investigate the dispute. The date of the resolution is the date Optimum completes its investigation and notifies the Customer of the disposition of the dispute.

10. **Adjustments or Refunds.** Any adjustment or refund, given in each case in Optimum's sole discretion, will be accomplished by a credit on a subsequent bill for Service, unless otherwise required by applicable law. No credit allowance will be made for interruptions of Service that are: (a) due to the negligence of or noncompliance with the provisions of the Agreement by Customer or any person authorized by customer to use the Service; (b) due to the negligence of any person other than Optimum including, but not limited to, the other common carriers connected to the Optimum's facilities; (c) due to the failure or malfunction of Customer owned equipment or third party equipment; (d) during any period in which Optimum is not given full and free access to its facilities and Equipment for the purpose of investigating and correcting interruptions; (e) during a period in which Customer continues to use the Service on an impaired basis; (f) less than thirty (30) minutes' duration; (g) during any period when the interruption is due to implementation of a Customer order for a change in Service arrangements; or (h) due to circumstances or causes beyond the control of Optimum. Unless otherwise provided by applicable law, in the event any amounts owed by Optimum to Customer are not claimed by Customer within one year of the date on which the amount became payable to Customer, Customer shall forfeit all rights to the refund and all such amounts shall become the property of Optimum.

11. **Equipment and Software.** "Distribution System" shall mean (1) all distribution plant, network facilities and associated electronics and all Equipment installed or provided by Optimum or its predecessors which is necessary to distribute Services throughout the premises, but specifically excluding Inside Wiring, and (2) all Equipment furnished by Optimum at the premises. Ownership of the Distribution System shall at all times be and remain in Optimum and shall be used exclusively by and in connection with Optimum operations. Upon termination of this Agreement and if Optimum is no longer providing Services to the premises, Optimum has the option to remove all or any portion of the Distribution System, provided that any damage to the premises caused by removal of the Distribution System will be repaired by Optimum to Customer's reasonable satisfaction. "Equipment" means all equipment, including but not limited to, any cables, wires, amplifiers, cable boxes, access cards, remotes, cable cards, battery backup units, modems, routers, gateways, Altice One and Altice One Mini units distributed to and/or installed for use in the Customer's service location but does not include Inside Wiring. "Inside Wiring" shall mean all wiring on the Customer's side of the demarcation point at Customer's service location, whether installed by Optimum or by Customer. The demarcation point shall mean a point at (or about) twelve (12) inches outside of where the cable wire enters the Customer's service location. Inside Wiring shall be Customer property and not Optimum Equipment, and repair and maintenance for such Inside Wiring is the responsibility of Customer unless otherwise agreed by Customer and Optimum. None of the Equipment shall become a fixture nor shall distribution, installation, and/or use of Equipment, including but not limited to cable boxes and/or set top boxes be deemed a lease of such Equipment. Unless otherwise stated in the Service Order, Customer will acquire no ownership or other interest in the Distribution System, Equipment, network facilities, and software by virtue of payments made pursuant to this Agreement or by the attachment of any portion of the Distribution System, Equipment or network facilities to Customer's premises.

    a. Misuse of Equipment. Optimum Equipment is intended to service and reside at the specific service location and is not to be removed from the service location where it was installed or used off premises without Optimum authorization. Customer agrees that neither Customer nor any other person (except Optimum's authorized personnel) will open, alter, misuse, tamper with, service, or make any alterations to any Equipment. Customer will not remove any markings or labels from the Equipment. Customer agrees to safeguard the Equipment from loss or damage of any kind, and (except for any self-installation procedures approved by Optimum) will not permit anyone other than a Optimum authorized representative to perform any work on the Equipment. Any misuse, alteration, tampering, or removal, or the use of Equipment which permits the receipt of Services without authorization or the receipt of Services to an unauthorized number of outlets, or to unauthorized locations constitutes theft of service and is prohibited.

    b. Return of Equipment. If Customer's Service is terminated or cancelled (for whatever reason), unless Optimum expresses otherwise in writing, Customer agrees that Customer no longer has the right to keep or use the Equipment and Customer must promptly return the Equipment. The Equipment must be returned to Optimum in the same condition as when received, ordinary wear and tear excepted. Absent other instructions, if Customer fails to return the Equipment, Customer will pay any expenses Optimum incurs in retrieving the Equipment. Failure of Optimum to remove the Equipment does not mean that Optimum has abandoned the Equipment. Optimum may impose a charge for unreturned Equipment to be determined in accordance with Optimum's then current schedule of charges for non-returned Equipment and/or continue to charge Customer a monthly Service fee every month until any remaining Equipment is returned, collected by Optimum or fully paid for by Customer. Any charge for unreturned Equipment shall be due immediately. Optimum retains ownership of all Equipment.

    c. Damaged or Lost Equipment. If the Equipment is damaged by Customer, destroyed, lost or stolen while in Customer's possession, Customer is responsible for the cost of repair or replacement of the Equipment.

    d. Operation of Equipment. Customer agrees to operate any Equipment in accordance with instructions of Optimum or Optimum's agent. Failure to do so will relieve the Optimum Parties of liability for interruption of Service and may make the Customer responsible for damage to Equipment.

    e. Tests and Inspections. Upon reasonable notification to the Customer, and at a reasonable time, Optimum may make such tests and inspections as may be necessary to determine that the Customer is complying with the requirements set forth herein.

    f. Software. Customer agrees to comply with the terms and conditions of any software license agreement applicable to the software provided or installed by Optimum ("Software"). The Software shall be used solely in connection with the Services and Customer will not modify, disassemble, translate or reverse engineer, the Software. All rights title and interest to the Software, including associated intellectual property rights, are and will remain with Optimum and Optimum's licensors. If Customer's Service is terminated, Customer will promptly return or destroy all Software provided by Optimum and any related written materials. Optimum will have the right to upgrade, modify and enhance the Equipment and Software from time to time. Customer acknowledges that the Software, and any related written materials, may be subject to applicable export control laws and regulations of the USA. Customer agrees not to export or re-export the Software, directly or indirectly, to any countries that are subject to USA export restrictions.

    g. Repair. Optimum will repair and/or replace defective Software or Equipment provided such damage was not caused by misuse, neglect or other fault of Customer. Optimum assumes no responsibility and shall have no responsibility for the operation, maintenance, condition or repair of any Customer-provided

equipment and/or software, including, but not limited to, televisions, computer devices, remote controls or other consumer electronics, including any hardware or third party software, which may be connected to the Services ("Customer Equipment"), except that Optimum may automatically push required software or firmware updates directly to Customer Equipment when necessary for the provision of Optimum Service(s). Customer is responsible for the repair and maintenance of Customer Equipment. Optimum is not responsible or liable for any loss or impairment of Optimum's Service due in whole or in part to a malfunction, defect or otherwise caused by Customer Equipment. Optimum makes no warranties, with respect to Equipment or Service provided by Optimum or with respect to the Equipment's compatibility with any Customer Equipment.

12. **Prohibitions/Theft of Service.** Customer shall not intercept, receive or assist in the interception or receipt of, resell, distribute or duplicate any Services. In no event shall Customer use the Services and/or Equipment to engage in any illegal or prohibited activity.

13. **Customer Liability for Users.** Customer is responsible for any access, use or misuse of the Services and/or Equipment that may result from access or use by any other person who has access to Customer's premises, equipment or account. Customer is responsible for ensuring that all persons who use Customer's subscribed to Services ("Users") understand and comply with all terms and conditions applicable to the Services.

14. **Business Hosted Voice on Fiber:** Customers purchasing Business Hosted Voice on Fiber are also bound by the Additional Terms for Business Hosted Voice Service on Fiber found at www.Optimum.com/terms-and-policies ("Terms of Service") and Exhibits A1 and A2 as set forth below.

    a. **SOFTPHONES, OFF-SITE PHONES & WIFI CONNECTIVITY**: OPTIMUM ALLOWS THE ABILITY TO ACCESS THE HOSTED VOICE SERVICE THROUGH SOFTPHONES, OFF-SITE PHONES AND WIFI CONNECTIVITY. IN NO EVENT SHALL OPTIMUM BE RESPONSIBLE FOR, NOR DOES IT WARRANT THE PERFORMANCE OR INTEROPERABILITY OF THE SERVICE IN CONNECTION WITH ANY SOFTPHONES, OFF-SITE PHONES OR WIRELESS CONNECTIVITY. IT IS CUSTOMER'S SOLE RESPONSIBILITY TO SUPPORT AND TROUBLESHOOT ANY RELATED CONNECTIVITY ISSUES UNDER THIS SECTION. CUSTOMER ACKNOWLEDGES AND UNDERSTANDS THE HOSTED VOICE PRODUCT CHARACTERISTICS AS SET FORTH IN THE OFF-SITE REMOTE PHONE AND SOFTPHONE ACKNOWLEDGEMENT ATTACHED HERETO AS EXHIBIT A2. PHONES NOT PROVIDED BY OPTIMUM UNDER THIS AGREEMENT ARE NOT PERMITTED NOR SUPPORTED AND USE OF SUCH PHONES WILL RESULT IN TERMINATION OF THIS AGREEMENT.

    b. **Emergency Calling Services (E911) for Hosted Voice Service**: Customer is responsible for complying with all applicable emergency calling service laws. E911 procedures and restrictions are set forth in Emergency Calling Services Terms and Conditions attached hereto as Exhibit A1.

15. **Managed DDoS Protection Service**: Managed DDoS (Distributed Denial of Service) Protection Service purchased pursuant to this Agreement and offered in conjunction with Altice Business Internet Service (over fiber) only, will monitor, detect and mitigate Altice Business Internet Service inbound traffic against DDoS attacks and provide cleansing up to thirty (30) times the contracted bandwidth. Managed DDoS Protection Service is provisioned over Altice Business Internet Service/traffic only.

16. **Service Level Agreement:** The Service Level Agreement ("SLA") attached hereto as Exhibit A sets forth Customer's sole remedy for any claim relating to the Service including any failure to meet any guarantee as set forth in the SLA.

17. **Access to Customer Premises.** Customer grants Optimum and its employees, agents, contractors, and representatives all necessary rights of access to enter and within Customer's premises, including access to space for cables, conduits and equipment, the wiring within Customer's premises and Customer's computer(s) and other devices, to install, deliver, connect, inspect, maintain, repair, replace, disconnect, remove or alter any and all facilities, check for signal leakage or install or deliver Equipment and Software provided by Optimum. Customer shall cooperate in providing such access upon request of Optimum. If Customer is not the owner of the premises, Customer warrants that Customer has obtained the legal authority of the owner to authorize Optimum personnel and/or its agents to enter the premises for the purposes described herein. Optimum's failure to remove its Equipment shall not be deemed an abandonment thereof. Customer shall provide a secured space with electrical power, climate control and protection against fire, vandalism, and other casualty for Optimum's equipment. Customer is responsible for ensuring that Customer's equipment is compatible for the Services selected and with the Optimum network.

18. **Violations of this Agreement**. It shall be a violation of this Agreement for Customer or any User (1) to engage in any conduct prohibited by this Agreement (or by any terms and conditions incorporated herein by reference); or (2) not to engage in conduct required by this Agreement, each case determined in Optimum's sole good faith discretion. In addition, whether or not the conduct set forth below is elsewhere prohibited by this Agreement, it shall be a violation of this Agreement if: (a) Customer or any User fails to abide by Optimum's rules and regulations or to pay the charges billed; (b) Customer or any User fails to provide and maintain accurate registration information or the information required in the registration process is or becomes incorrect, absent or incomplete; (c) Customer or any User engages in any illegal or prohibited activity in connection with their use of any Service; (d) Customer or any User harasses, threatens or otherwise abuses any Optimum employee or agent; (e) Customer or any User refuses to provide Optimum with reasonable access to the service location or refuses to allow Optimum to diagnose and/or troubleshoot a service issue when such access or customer interaction is necessary in order to provide the appropriate customer support; or (f) The amount of customer and/or technical support required to be provided to Customer or any User is excessive in the sole good faith discretion of Optimum.

19. **Termination**. Optimum may terminate this Agreement, disconnect or suspend any or all Services, and remove Equipment at any time, without prior notice, for any reason whatsoever or for no reason, including but not limited to if Customer or any User fails to fully comply with the terms of this Agreement and/or any Optimum or authorized Third Party Provider terms of service, agreements or policies incorporated herein by reference. If Optimum terminates Service due to a violation of this Agreement or Optimum's policies, Customer may be subject to additional fees and charges, including disconnect and termination fees and Optimum may also exercise other rights and remedies available under law or in equity.

20. **Effect of Termination by Optimum.** Customer agrees that in the event of termination by Optimum: (i) Optimum and any Third Party Providers of co-branded services offered as part of or through the high speed internet service shall have no liability to Customer or any User; and (ii) unless expressly prohibited by law, Optimum, in its sole good faith discretion, may decline or reject a new application for service or block access to or use of any component of the Services by Customer or any former User. Customer further agrees that upon termination of any Service, Customer will immediately cease use of the Equipment and any Software, and; Customer will pay in full the charges for Customer's use of the Service and the Equipment through the later of: (i) Customer's applicable Service month, or (ii) if applicable, the expiration of any promotional term, or, if applicable, (iii) the date when the associated Equipment or Software has been returned to Optimum. Failure of Optimum to remove Equipment shall not be deemed an abandonment thereof. Customer shall pay reasonable collection and/or attorney's fees to Optimum in the event that Customer shall find it necessary to enforce collection or to preserve and protect its rights under this Agreement.

21. **Content and Services.** All content, program services, program packages, number of channels, channel allocations, broadcast channels, interactive services, email, data offerings and other services are subject to change in accordance with applicable law.

22. **Disclaimer**. Optimum assumes no liability for any program, services, content or information distributed on or through the Services, Equipment or the cable system, unless locally provided by Optimum, and Optimum expressly disclaims any responsibility or liability for your use thereof. Further, Optimum shall not be responsible for any products, merchandise or prizes promoted or purchased through the use of the Services.

23. **Telephone Communications Regarding Customer Account or Service**. **Customer** agrees that Optimum and its agents may call or text you at any phone number (landline or wireless) that you provide to us, using an automated dialing system and/or a prerecorded message, for non-promotional service and/or account-related purposes, such as appointment confirmations, service alerts, billing and collection issues or account recovery concerns. Customer agrees to notify us: (1) if any such phone number changes; (2) is no longer active; or (3) is ported from a landline to a wireless phone number. Customer can manage your contact preferences by logging into your account at http://www.Optimum.com.

24. **No Waiver.** The failure of Optimum to enforce this Agreement and any of its components, for whatever reason, shall not constitute a waiver of any right of Optimum or the ability to assert or enforce such right at any time in the future.

25. **No Assignment.** This Agreement and the Services and/or Equipment supplied by Optimum are not assignable or otherwise transferable by Customer, without specific written authorization from Optimum. In Optimum's discretion, Optimum may assign, in whole or in part, this Agreement, and Service may be provided by one or more legally authorized Optimum affiliates.

26. **No Warranty; Limitation of Liability.** Customer expressly agrees that: (a) the Services provided are best efforts services and the Services, Software and Equipment are provided by Optimum on an "AS IS" and "AS AVAILABLE" basis without warranties of any kind, either express or implied; (b) Optimum, its officers, shareholders, directors, employees, affiliates, vendors, carrier partners, content providers and other persons or entities involved in providing the Services or Equipment (collectively, the "Optimum Parties") are not responsible or liable for any loss or impairment of service due in whole or in part to Customer owned- or provided-Equipment; and (c) all use of the Services, Software and Equipment, including that provided by Third Party Providers, as well as the purchase, download or use of any third party service, product, or application provided by or accessed through the Services or Equipment, are provided at Customer's sole risk and Customer assumes total responsibility for Customer's or any User's use of the Services. Without limiting the generality of the foregoing, the Optimum Parties make no warranty: (i) that the Services will be uninterrupted or error free or that the Equipment will work as intended; (ii) as to transmission or upstream or downstream speeds of the network; (iii) that the Services, Equipment or Software are compatible with any Customer owned- or provided-Equipment; or (iv) as to the security of Customer's communications via Optimum's facilities or Services, or that third parties will not gain unauthorized access to or monitor Customer's communications. Customer has the sole responsibility to secure Customer's communications and the Optimum Parties will not be liable for any loss associated with such unauthorized access. In addition, neither the Optimum Parties nor any Third-Party Provider of services or products makes any representations or warranties with respect to any product or services offered through the Services or Equipment, and Optimum shall not be party to nor responsible for monitoring any transaction between Customer and any Third Party Provider of products or services.

Except for a refund or credit as expressly provided in this Agreement, in no event (including negligence) will the Optimum Parties be held responsible or liable for any loss, damage, cost or expense including direct, indirect, incidental, special, treble, punitive, exemplary or consequential losses or damages including, but not limited to, loss of profits, earnings, business opportunities, loss of data, personal injury (including death), property damage or legal fees and expenses, sought by Customer or anyone else using Customer's Service account: (x) resulting directly or indirectly out of the use or inability to use the Services (including the inability to access emergency 911 or e911 services) and/or use of the Software, Equipment or provided third party services or otherwise arising in connection with the installation, maintenance, failure, removal or use of Services, Software and/or Equipment or Customer's reliance on the Services, Software and/or Equipment, including without limitation any mistakes, omissions, interruptions, failure or malfunction, deletion or corruption of files, work stoppage, errors, defects, delays in operation, delays in installation, failure to maintain proper standards or operation, failure to exercise reasonable supervision, delays in transmission, breach of warranty or failure of performance of the Services, Software and/or Equipment; or (y) resulting directly or indirectly out of, or otherwise arising in connection with, any allegation, claim, suit or other proceeding relating to Services, Software and/or Equipment, or the infringement of the copyright, patent, trademark, trade secret, confidentiality, privacy, or other intellectual property or contractual rights of any third party. Optimum's Maximum Liability to Customer arising under this Agreement shall be the lesser of $5,000.00 or the amount actually paid by Customer for Services hereunder for the respective regular billing period.

27. **Indemnification.** Customer agrees to defend, indemnify, and hold harmless Optimum Parties from and against any and all claims and expenses, including reasonable attorneys' fees, arising out of or related in any way to the use of the Service and Equipment by Customer or otherwise arising out of or related in any way to the use of Customer's account or any equipment or facilities in connection therewith, or the use of any other products or services provided by Optimum to Customer. Customer agrees to indemnify and hold harmless the Optimum Parties against claims, losses or suits for injury to or death of any person, or damage to any property which arises from the use, placement or presence or removal of Optimum's Equipment, facilities and associated wiring on Customer's premises and further, Customer indemnifies and holds harmless the Optimum Parties against claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over the facilities of Optimum or the use thereof by Customer; against claims for infringement of patents arising from combining with or using in connection with, facilities furnished by Optimum, and apparatus, Equipment, and systems provided by Customer; and against all other claims arising out of any act or omission of Customer in connection with the Services or facilities provided by Optimum.

28. **Regulatory Authority.** This Agreement and the obligations of the parties shall be subject to modification to comply with all applicable laws, regulations, court rulings, and administrative orders, as amended.

29. **BINDING ARBITRATION. Please read this section carefully. It affects Customers rights**

a. Agreement to Arbitrate Disputes. Any and all disputes arising between The Customer and Optimum, or its respective predecessors in interest, successors, assigns, and past, present, and future parents, subsidiaries, affiliates, officers, directors, employees, and agents, shall be resolved by binding arbitration on an individual basis in accordance with this arbitration provision. This agreement to arbitrate is intended to be broadly interpreted. It includes, but is not limited to:

- Claims arising out of or relating to any aspect of the relationship between us, whether based in contract, tort, statute, fraud, misrepresentation or any other legal theory.
- Claims that arose before this or any prior Agreement; and
- Claims that may arise after the termination of this Agreement.

Notwithstanding the foregoing, either Customer or Optimum may bring claims in small claims court in Customer's jurisdiction, if that court has jurisdiction over the parties and the action and the claim complies with the prohibitions on class, representative, and private attorney general proceedings and non-individualized relief discussed below. If the law of Your jurisdiction allows small claims actions to be removed or appealed for a trial de novo in a court of general jurisdiction, that appeal instead shall be resolved in an individual arbitration under this arbitration provision. The Customer may also bring issues to the attention of federal, state, and local executive or administrative agencies.

Resolving Customer dispute with Optimum through arbitration means The Customer will have a fair hearing before a neutral arbitrator instead of in a court before a judge or jury. **THE CUSTOMER AGREES THAT BY ENTERING INTO THIS AGREEMENT, THE CUSTOMER AND OPTIMUM EACH WAIVE THE RIGHT TO A TRIAL BY JURY AND THE RIGHT TO PARTICIPATE IN A CLASS, REPRESENTATIVE, OR PRIVATE ATTORNEY GENERAL ACTION.**

b. Opting Out of Arbitration. **IF THE CUSTOMER HAS BEEN AN EXISTING SUBSCRIBER FOR AT LEAST 30 DAYS BEFORE THE EFFECTIVE DATE OF THIS AGREEMENT AND HAVE PREVIOUSLY ENTERED INTO AN ARBITRATION AGREEMENT WITH OPTIMUM OR A PREDECESSOR COMPANY, THIS OPT OUT PROVISION DOES NOT APPLY TO THE CUSTOMER.**

IF THE CUSTOMER BECAME A SUBSCRIBER WITHIN THE 30 DAYS IMMEDIATELY PRIOR TO THE EFFECTIVE DATE OF THIS AGREEMENT, AND DO NOT WISH TO BE BOUND BY THIS ARBITRATION PROVISION, THE CUSTOMER MUST NOTIFY OPTIMUM IN WRITING WITHIN 30 DAYS OF THE EFFECTIVE DATE OF THIS AGREEMENT.

IF THE CUSTOMER BECAME A SUBSCRIBER AFTER THE EFFECTIVE DATE OF THIS AGREEMENT, AND DO NOT WISH TO BE BOUND BY THIS ARBITRATION AGREEMENT, THE CUSTOMER MUST NOTIFY OPTIMUM IN WRITING WITHIN 30 DAYS OF THE OPENING OF CUSTOMER'S OPTIMUM ACCOUNT. IN ALL INSTANCES, NOTICE SHALL BE PROVIDED BY EMAILING US AT NOARBITRATION@ALTICEUSA.COM OR BY MAIL TO: OPTIMUM SHARED SERVICES, 1111 STEWART AVENUE, BETHPAGE, NY 11714, ATTN: ARBITRATION.

TO BE VALID, AN OPT-OUT NOTICE MUST: (1) INCLUDE THE CUSTOMERR NAME, ADDRESS, OPTIMUM ACCOUNT NUMBER, PHYSICAL SIGNATURE IF SENT BY MAIL OR ELECTRONIC SIGNATURE IF SENT VIA EMAIL, AS WELL AS A CLEAR STATEMENT THAT ARE REJECTING THE ARBITRATION PROVISION IN THIS AGREEMENT; AND (2) BE RECEIVED BY OPTIMUM WITHIN THE APPLICABLE 30-DAY TIME PERIOD ABOVE.

YOUR DECISION TO OPT OUT OF THIS ARBITRATION PROVISION WILL HAVE NO ADVERSE EFFECT ON YOUR RELATIONSHIP WITH OPTIMUM OR THE DELIVERY OF OPTIMUM SERVICES TO THE CUSTOMER. OPTING OUT OF THIS ARBITRATION PROVISION HAS NO EFFECT ON ANY OTHER PRIOR OR FUTURE ARBITRATION AGREEMENTS THAT THE CUSTOMER MAY HAVE WITH OPTIMUM.

c. Pre-Arbitration Process. (i.) Notice Of Dispute. A party who intends to commence arbitration must first send the other party a written Notice of Dispute and engage in a good-faith negotiation of the dispute in an effort to resolve it without the need for arbitration. To be valid, Your Notice of Dispute must include: (1) The Customer name; (2) the account number and service address; (3) an email address and telephone number at which The Customer may be reached during business hours; (4) a description of the nature and basis of your claims or dispute (including where applicable specific dates); (5) an explanation of the specific relief sought; (6) Your physical or electronic signature; and (7) if The Customer has retained an attorney, Your signed statement authorizing Optimum to disclose your confidential account records to Your attorney if necessary in resolving Your claim. For Your convenience, The Customer may download a Notice of Dispute form from our website at www.Optimum.net/NoticeOfDispute. Once the Customer has written the letter or filled out the Notice, send it to us by certified mail at Optimum Shared Services, 1111 Stewart Avenue, Bethpage, NY 11714, Attn: Customer Disputes. Optimum will send any Notice of Dispute to The Customer at the billing address on file with the account. (ii.) 60 Day Wait Period. Whoever sends the Notice of Dispute must give the other party 60 days after receipt to investigate the claim. During that period, either party may request an individualized discussion (by phone call or videoconference) regarding settlement, which shall take place at a mutually agreeable time (which can be after the 60-day period). The Customer and an Optimum legal or business representative (or outside counsel) must personally participate, unless otherwise agreed in writing. Your lawyers (if any) also can participate. If Optimum has not been able to resolve your dispute to your satisfaction within the later of 60 days from when we received your Notice of Dispute or the date of the individualized discussion regarding settlement, the Customer may start arbitration proceedings. The Notice of Dispute and discussion requirements are essential in order to give the parties a meaningful chance to resolve disputes informally. If any aspect of these requirements has not been met, the parties agree that a court can enjoin the filing or prosecution of an arbitration, and, unless prohibited by law, the arbitration administrator shall neither accept nor administer the arbitration nor assess fees in connection with such an arbitration. The submission of a Notice of Dispute will toll the statute of limitations for the claim until the later of 60 days from when we received your Notice of Dispute or the date of the individualized discussion regarding settlement.

d. Commencing an Arbitration. To commence an arbitration, The Customer must submit a written Demand for Arbitration to the American Arbitration Association ("AAA"), Case Filing Services, 1101 Laurel Oak Road, Suite 100, Voorhees, NJ 08043, with a copy to Optimum. A Demand for Arbitration form can be found on the AAA website at https://www.adr.org/rulesformsfees.

e. Arbitration Process. The arbitration will be administered by the AAA under the AAA's Consumer Arbitration Rules, as modified by this arbitration provision. The Customer may obtain copies of those rules from the AAA at www.adr.org. If the AAA will not enforce this arbitration provision as written, it cannot serve as the arbitration organization to resolve Your dispute. If this situation arises, or if the AAA for any reason cannot serve as the arbitration organization, the parties shall agree on a substitute arbitration organization or ad hoc arbitration, which will enforce this arbitration provision as to the dispute. If the parties are unable to agree, the parties shall mutually petition a court of appropriate jurisdiction to appoint an arbitration organization or ad hoc arbitrator that will administer arbitration under this arbitration provision as written. If there is a conflict between this arbitration provision and the AAA rules, this arbitration provision shall govern.

A single arbitrator will resolve the dispute between The Customer and Optimum. Participation in arbitration may result in limited discovery. The arbitrator will honor claims of privilege recognized by law and will take reasonable steps to protect confidential or proprietary information, including subscriber personally identifiable information.

All issues are for the arbitrator to decide, except issues relating to arbitrability, the scope or enforceability of this arbitration provision, the interpretation of its prohibitions of class, representative, and private attorney general proceedings and non-individualized relief, and compliance with the requirements of Sections 26.c and 26.g shall be for a court of competent jurisdiction to decide. The Arbitrator is limited and bound by terms of this arbitration provision. Although the arbitrator shall be bound by rulings in prior arbitrations involving the same customer to the extent required by applicable law, an arbitrator's ruling will not be binding in other proceedings involving different customers. The arbitrator will make any award in writing but need not provide a statement of reasons unless requested by a party. An award rendered by the arbitrator may be entered in any court having jurisdiction over the parties for purposes of enforcement.

Unless the parties agree otherwise, any arbitration hearing will take place in the county (or parish) of Customer's service address. If the amount in dispute is less than $50,000, Optimum agrees that The Customer may choose whether the arbitration is conducted solely on the basis of documents submitted to the arbitrator, by a telephonic or videoconference hearing, or by an in-person hearing as established by AAA rules.

If the amount in dispute exceeds $75,000 or the claim seeks any form of injunctive relief, either party may appeal the award to a three-arbitrator panel administered by AAA under its Optional Appellate Arbitration Rules (including its rules governing allocation of fees and costs) by a written notice of appeal within thirty (30) days from the date of entry of the written arbitration award. The award shall be stayed during any such appeal. The members of the three-arbitrator panel will be selected according to AAA rules. The three-arbitrator panel will issue its decision within one hundred and twenty (120) days of the date of the appealing party's notice of appeal. The decision of the three-arbitrator panel shall be final and binding, subject to any right of judicial review that exists under the FAA.

f. Arbitration Fees. Except as otherwise provided in this arbitration provision, if Optimum initiates an arbitration, Optimum will pay all arbitration filing, administrative, and arbitrator fees.

If The Customer initiate an arbitration, The Customer will be responsible for paying a portion of the arbitration fees as follows: If Customer is seeking claims of $1,000 or less, Customer's share of the fees will be capped at $100, and If Customer is seeking claims of between $1,001-$10,000, Customer's share of such fees will be capped at $200. If Customer is seeking claims of more than $10,000, the filing, administrative and arbitrator fees will be allocated in accordance with the AAA rules. If Customer cannot pay Your share of these fees, Customer may request a fee waiver from the AAA. In addition, Optimum will consider reimbursing Your share of these fees if The Customer indicates they cannot afford them and, if appropriate, will pay directly all such fees upon Your written request prior to the commencement of the arbitration. The Customer is responsible for all additional costs and expenses that The Customer incurs in the arbitration, including, but not limited to, attorneys' or expert witness fees and expenses, unless the arbitrator determines that applicable law requires Optimum to pay those costs and expenses.

Notwithstanding the foregoing, if the arbitrator concludes that Your claim is frivolous or has been brought for an improper purpose (as measured by the standards of Federal Rule of Civil Procedure 11(b)), then the AAA rules shall govern the allocation of arbitration fees, and The Customer agrees to reimburse Optimum for any amounts Optimum may have paid on Your behalf.

g. Mass Arbitration Procedures. If 25 or more claimants submit Notices of Dispute or file arbitrations raising similar claims and are represented by the same or coordinated counsel, all the cases must be resolved in staged bellwether proceedings. The Customer agrees to this process even though it may delay the resolution of your claim. In the first stage, each side shall each select up to 15 cases (30 cases total) to be filed in arbitration and resolved individually by different arbitrators. In the meantime, no other cases may be filed in arbitration, and the AAA shall not accept, administer, or demand payment of fees for arbitrations

commenced in violation of this Mass Arbitration Procedures section. If the parties cannot agree how to resolve the remaining cases after the conclusion of the first stage of bellwether proceedings, the process will be repeated until all claims are resolved.

If this Mass Arbitration Procedures section applies to a Notice of Dispute, any statute of limitations applicable to the claims set forth in that Notice of Dispute will be tolled from the time the first cases are selected for bellwether proceedings until that Notice of Dispute is selected for a bellwether proceeding, withdrawn, or otherwise resolved. A court will have the authority to enforce this Mass Arbitration Procedures section, including by enjoining the mass filing or prosecution of arbitrations or the assessment or collection of AAA fees.

h. Governing Law. Because the Service(s) provided to The Customer involves interstate commerce, the Federal Arbitration Act ("FAA"), not state arbitration law, shall govern the arbitrability of all disputes under this arbitration provision. Any state statutes pertaining to arbitration shall not be applicable.

i. Waiver of Class and Representative Actions. **YOU AGREE TO ARBITRATE YOUR DISPUTE AND TO DO SO ON AN INDIVIDUAL**

If any of the prohibitions in the preceding paragraph is held to be unenforceable as to a particular claim, or request for relief (such as a request for public injunctive relief) then The Customer and Optimum agree that such claim or request for relief (and only that claim or request) shall be decided by a court after all other claims and requests for relief are arbitrated. In that instance, or any instance when a claim between The Customer and Optimum proceeds to court rather than through arbitration, The Customer and Optimum each waive the right to any trial by jury through this Agreement.

j. Amendments to this Arbitration Provision. Notwithstanding any provision in the Agreement to the contrary, The Customer and Optimum agree that if Optimum makes any amendment to this arbitration provision (other than an amendment to any notice address or website link provided herein) in the future, that amendment shall apply to all disputes or claims that have arisen or may arise between The Customer and Optimum, including disputes or claims that arose prior to the effective date of the amendment. We will notify the Customer of amendments to this arbitration provision in the manner described in Section 31. If the Customer does not agree to the revisions, the Customer must cease use of all Service(s) within 30 days and notify Optimum that The Customer are canceling this Agreement.

k. Severability and Survival. If any other portion of this arbitration provision is determined to be unenforceable, then the remainder of this arbitration provision shall be given full force and effect. The terms of the arbitration provision shall survive termination, amendment or expiration of this Agreement.

30. **Governing Law.** Subject to Section 29.h above, this Agreement shall be governed by the laws of the state of New York.

31. **No Relationship.** Nothing in this Agreement will create any joint venture, joint employer, franchisee-franchisor, employer-employee or principal-agent relationship between Optimum and any content, backbone, network, circuit and other technology or communications providers, software and other licensors, hardware and equipment suppliers or other third party providers of elements of the High Speed Internet Service, nor impose upon any such companies any obligations for any losses, debts or other obligations incurred by the other.

32. **Survival.** All representations, warranties, indemnifications, dispute resolution provisions and limitations of liability contained in this Agreement shall survive the termination of this Agreement, as well as any other obligations of the parties hereunder which, by their terms, would be expected to survive such termination or which relate to the period prior to termination (including legal conditions, payment, and Optimum rights and the rights of others).

33. **Force Majeure.** Optimum Parties shall not be liable for any delay or failure of performance or Equipment due to causes beyond its control, including but not limited to: acts of God, fire, flood, explosion or other catastrophes; any law, order, regulation, direction, action or request of the United States government or of any other government including state and local governments having or claiming jurisdiction over Optimum, or of any department, agency, commission, bureau, corporation or other instrumentality of any one or more of these federal, state, or local governments or of any military authority; preemption of existing service in compliance with national emergencies, acts of terrorism, insurrections, riots, wars, unavailability of rights-of-way, material shortages, strikes, lockouts, or work stoppages.

34. **Entire Agreement.** This Agreement, including the applicable Additional Terms of Service, Privacy Policy and Acceptable Use Policy (“AUP”), the Service Order and the Schedule of Fees constitute the entire agreement between Optimum and Customer with respect to the Services. No undertaking, representation or warranty made by an agent or representative of Optimum in connection with the sale, installation, maintenance or removal of Optimum's Services or Equipment shall be binding on Optimum except as expressly included herein.

35. **Amendment; Notice.** Optimum may, in its sole discretion, change, modify, add or remove portions of this Agreement at any time. Optimum may notify Customer of any such changes to this Agreement, or any other required or desired notice hereunder, by posting notice of such changes on Optimum’s website (www.Optimum.com), or by sending notice via email or postal mail to Customer’s billing address, and/or by contacting the telephone number(s) on Customer's account (including mobile phones) by means such as but not limited to browser bulletins, walled garden (browser interruption), voice, SMS, MMS, and text messages, including by the use of by automatic telephone dialing systems. Customer agrees that any one of the foregoing will constitute sufficient notice. Because Optimum may from time to time notify Customer about important information regarding the Services, the Privacy Policy and this Agreement by such methods, Customer agrees to regularly check postal mail, e-mail and all postings on the Optimum web site (www.Optimum.com) and Customer bears the risk of failing to do so. The Customer's continued use of the applicable Service(s) following notice of such change, modification or amendment shall be deemed to be the Customer's acceptance of any such revision. If Customer does not agree to any revision of this Agreement, Customer must immediately cease use of all Service(s) and notify Optimum that Customer is cancelling this Agreement in accordance with the then-current policy.

Docusign Envelope ID: 96FDB305-97D7-43E9-AD8B-40852A85AE01

Exhibit A
Service Level Agreement (Fiber Services Only) Not applicable to COAX

This Service Level Agreement ("SLA") covers the local transport area to the Optimum demarcation point including Optimum equipment associated with the endpoints such as POE devices and routers. The provisions described below shall be Customer's sole and exclusive remedy in the event of Interruption.

MEAN TIME TO REPAIR

Optimum's objective is a four (4) hour mean-time-to-repair ("MTTR")

SERVICE LEVEL GUARANTEE

Interruption/Outage ("Interruption"): Defined as a total loss of Service.

Service Level Guarantee: If Customer detects an Interruption, Customer shall open a trouble ticket with Optimum Network Operation Center by calling 866-232-5455 (option 4) or via the customer portal at Optimum.com. An Interruption period begins when Customer reports a circuit/service failure, opens a valid trouble ticket and releases it for testing and repair. The controlling record for the purpose of determining the duration of the Interruption and calculating credits shall be the date/time stamp on the trouble reporting ticket as generated by Optimum's trouble reporting system. An Interruption period ends when the circuit/service is operative.

a. If Customer reports a circuit/service to be inoperative but declines to release it for testing and repair, it is considered to be impaired, but not interrupted.
b. If an Altice/ Optimum technician is dispatched for a reported failure and it is determined that such failure is not within Optimum's control, Customer will be subject to a truck roll fee for any subsequent dispatch/truck roll(s) requested.
c. Customer may request a credit, in writing, and reference the date of the ticket. Requests for credit must be submitted to enterprisecare@alticeusa.com within thirty (30) calendar days of the Interruption.
d. For calculating credit allowances, every month is considered to have thirty (30) days.
e. A credit allowance is applied on a pro rata basis against the monthly recurring charge for the affected circuit/service and is dependent upon the length of the Interruption.

Optimum shall credit Customer's monthly recurring charges for the circuit/service experiencing the Interruption as follows:

Outage Duration	Credit of Monthly Charges
Less than 30 minutes	none
30 minutes up to but not including 3 hrs	1/10 of a day
3 hrs up to but not including 6 hrs	1/5 of a day
6 hrs up to but not including 9 hrs	2/5 of a day
9 hrs up to but not including 12 hrs	3/5 of a day
12 hrs up to but not including 15 hrs	4/5 of a day
15 hrs up to and including 24 hrs	1 day
Over 24 hours	2 days for each full 24-hour period

Limitations: Total credits in a given month shall not exceed one hundred percent (100%) of the monthly recurring charge for the affected circuit/service in that month.

No credit allowance will be made for:

a. Interruptions caused by the negligence of Customer or third parties outside of Optimum's control.
b. Interruptions due to the failure of power, equipment, systems or connections not provided by Optimum under this Agreement.
c. Interruptions during any period when Customer has released the circuit for maintenance or rearrangement purposes or for the implementation of a customer order.
d. Interruptions which continue because of Customer's failure to authorize replacement of any element of the Service.
e. Interruptions due to force majeure events.
f. No trouble found or where the fault of the trouble is undetermined.

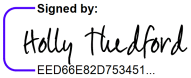
Certificate Of Completion

Envelope Id: 96FDB305-97D7-43E9-AD8B-40852A85AE01
Status: Completed
Subject: Optimum Service Agreement for Your Electronic Signature
Source Envelope:
Document Pages: 12
Signatures: 1
Certificate Pages: 4
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Envelope Originator:
Noe Perez
5830 Granite Parkway, Flr 3
Plano, TX 75024
noe.perez@alticeusa.com
IP Address: 155.226.129.249

Record Tracking

Status: Original
5/21/2025 1:03:31 PM
Holder: Noe Perez
noe.perez@alticeusa.com
Location: DocuSign

Signer Events	Signature	Timestamp
Holly Thedford holly.thedford@alticeusa.com Regional Sales Manager Lightpath, Inc. Security Level: Email, Account Authentication (None)	Signed by:  EED66E82D753451...	Sent: 5/21/2025 1:04:58 PM Viewed: 5/21/2025 1:06:01 PM Signed: 5/21/2025 1:06:13 PM
	Signature Adoption: Pre-selected Style Using IP Address: 71.78.61.227 Signed using mobile	
Electronic Record and Signature Disclosure: Accepted: 5/16/2025 8:05:49 AM ID: fe53161b-5053-4d03-86b5-359779e91615		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Noe Perez noe.perez@optimum.com Security Level: Email, Account Authentication (None)	COPIED	Sent: 5/21/2025 1:06:14 PM
Electronic Record and Signature Disclosure: Not Offered via Docusign		

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/21/2025 1:04:58 PM
Certified Delivered	Security Checked	5/21/2025 1:06:01 PM
Signing Complete	Security Checked	5/21/2025 1:06:13 PM
Completed	Security Checked	5/21/2025 1:06:14 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Altice USA (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a $0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Altice USA:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:
To contact us by email send messages to: ilia.shutov@alticeusa.com

To advise Altice USA of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at ilia.shutov@alticeusa.com and in the body of such request you must state: your

previous email address, your new email address. We do not require any other information from you to change your email address

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Altice USA

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to ilia.shutov@alticeusa.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Altice USA

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to ilia.shutov@alticeusa.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process.

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

By selecting the check-box next to ‘I agree to use electronic records and signatures’, you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Altice USA as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Altice USA during the course of your relationship with Altice USA.

Commissioners Court - Regular Session **17.**

Meeting Date: 06/10/2025

Approval of Goods and Service Contract for Replacement of Furniture with Facilities Resource Inc. for Sheriff's Office

Submitted For: Joy Simonton **Submitted By:** Barbi Hageman, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the Goods and Service Contract #2025242 for the replacement of furniture with Facilities Resource Inc. for the Sheriff's Office, in the amount of $24,442.50, and authorize execution of this agreement pursuant to Cooperative Contract Omnia 191804.

Background

This Goods and Service Contract #2025242 attached between Williamson County and Facilities Resource, Inc. includes chairs, bookcases, storage cabinet and a credenza, all of which are noted in Exhibit A of the agreement. Funding Source is 01.0100.0560.003005 per FY25. Origination ID #2766 and the Point of Contact is Mary Johnson.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agreement

Form 1295

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 02:43 PM
County Judge Exec Asst.	Delia Colon	06/04/2025 03:56 PM
Form Started By: Barbi Hageman		Started On: 06/02/2025 12:27 PM
Final Approval Date: 06/04/2025		

WILLIAMSON COUNTY
GOODS AND SERVICES CONTRACT

Facilities Resource Inc.
(Quote #25218A)

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to the Texas Constitution, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS SERVICES CONTRACT (hereinafter "Contract") is made and entered into by and between **Williamson County, Texas** ("County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **Facilities Resource Inc.** (hereinafter "Service Provider"), both of which are referred to herein as the parties. The County agrees to engage Service Provider as an independent contractor, to provide certain services and purchase goods described herein pursuant to the following terms, conditions, and restrictions:

I.

Goods: Service Provider shall provide County the goods described in **Quote # 25218A** attached and being marked as **Exhibit "A,"** which is incorporated herein to the extent it meets or exceeds the County's solicitation, if applicable.

Should the County choose to purchase goods in addition to those described in Exhibit "A", such additional goods shall be described in a separate written amendment to this Contract wherein the additional goods shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional goods. Service Provider shall not provide any additional goods and the County shall not be obligated to pay for any additional goods unless a written amendment to this Contract has been signed by both parties.

II.

Services: Service Provider shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. Service Provider expressly acknowledges that he, she, or it is not an employee of the County. The services include but are not limited to the services and work described in **Exhibit "A,"** which is incorporated herein to the extent the Quote meets or exceeds the requirements of County's solicitation, if applicable.

Should the County choose to add services in addition to those described in **Exhibit "A"**,

such additional services shall be described in a separate written amendment to this Contract wherein the additional services shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional services. Service Provider shall not begin any additional services and the County shall not be obligated to pay for any additional services unless a written amendment to this Contract has been signed by both parties.

Service Provider represents that Service Provider (including Service Provider's agents, employees, volunteers, and subcontractors, as applicable) possess all certifications, licenses, inspections, and permits required by law to carry out the services and work described in **Exhibit "A."** The Service Provider shall, upon written (including electronic) request, provide proof of valid licensure.

III.

Effective Date and Term: This Contract shall be in full force and effect as of the date of the last party's execution below ("Effective Date") and shall continue until the Project Completion Date or when terminated pursuant to this Contract, whichever event occurs first. The Project Completion Date is defined as the date by which all services and obligations outlined in Exhibit "A" shall be fully performed and delivered to the satisfaction of the County. The parties acknowledge and agree that the Project Completion Date is initially set to be 6-8 weeks after the signing of this Agreement, however this date may be amended at the sole discretion of the County. Upon successful completion of the services as described in Exhibit "A", this contract shall automatically terminate without further obligation from either party, except as otherwise expressly provided herein.

IV.

Consideration and Compensation: Service Provider will be compensated based on a fixed sum as set out in Exhibit "A." and in accordance with COOP Contract Omnia 191804, incorporated by reference. The not-to-exceed amount shall be Twenty-Four Thousand Four Hundred Forty-Two Dollars and Fifty Cents ($24,442.50) for the life of this contract.

Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date the County receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

The County is a political subdivision under the laws of the State of Texas and claims exemption from sales and use taxes. The County agrees to provide exemption certificates to Service Provider upon request. Likewise, the County is neither liable for any taxes, charges, or

fees assessed against Service Provider for the supplies or products provided or any Services rendered.

V.

Insurance: Service Provider shall provide and maintain, until the services covered in this Contract is completed and accepted by the County, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to the County and name the County as an additional insured.

	Type of Coverage	**Limits of Liability**
a.	Worker's Compensation	Statutory
b.	Employer's Liability	
	Bodily Injury by Accident	$500,000 Ea. Accident
	Bodily Injury by Disease	$500,000 Ea. Employee
	Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$1,000,000	$1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits		No aggregate limit

Service Provider, as an independent contractor, meets the qualifications of an "Independent Contractor" under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, and must

provide its employees, agents and sub-subcontractors worker's compensation coverage. Contactor shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by the County.

Upon execution of this Contract, Service Provider shall provide the County with insurance certificates evidencing compliance with the insurance requirements of this Contract.

VI.

No Agency Relationship & Indemnification: It is understood and agreed that Service Provider shall not in any sense be considered a partner or joint venturer with the County, nor shall Service Provider hold itself out as an agent or official representative of the County. Service Provider shall be considered an independent contractor for the purpose of this Contract and shall in no manner incur any expense or liability on behalf of the County other than what may be expressly allowed under this Contract. The County will not be liable for any loss, cost, expense, or damage, whether indirect, incidental, punitive, exemplary, consequential of any kind whatsoever for any acts by Service Provider or failure to act relating to the services being provided.

VII.

INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, THE SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE SERVICE PROVIDER, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. SERVICE PROVIDER HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF SERVICE PROVIDER OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR

WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

VIII.

No Waiver of Sovereign Immunity or Powers: Nothing in this Contract will be deemed to constitute a waiver of sovereign immunity or powers of the County, the Williamson County Commissioners Court, or the Williamson County Judge.

IX.

Compliance With All Laws: Service Provider agrees and will comply with all local, state, or federal requirements with respect to the services rendered. Any alterations, additions, or deletions to the terms of the Contract that are required by changes in federal, state, or local law or regulations are automatically incorporated into the Contract without written amendment hereto and shall become effective on the date designed by such law or by regulation.

X.

Termination: This Contract may be terminated at any time at the option of either party, without future or prospective liability for performance, upon giving thirty (30) days written notice thereof.

XI.

Venue and Applicable Law: Venue of this Contract shall be Williamson County, Texas, and the laws of the State of Texas shall govern all terms and conditions.

XII.

Severability: In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision in this Contract and this Contract shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XIII.

Right to Audit: Service Provider agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Contract, have access to and the right to examine and photocopy any and all books, documents, papers and records of Service Provider which are directly pertinent to the services to be performed under this Contract for the purposes of making audits, examinations, excerpts, and transcriptions. Service Provider agrees that the County shall have access during normal working hours to all necessary Service Provider facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. The County shall give Service Provider reasonable advance notice of intended audits.

XIV.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this Contract.

XV.

No Assignment: Service Provider may not assign this Contract.

XVI.

Confidentiality: Service Provider expressly agrees that he or she will not use any incidental confidential information that may be obtained while working in a governmental setting for his or her own benefit, and agrees that he or she will not enter any unauthorized areas or access confidential information and he or she will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XVII.

Foreign Terrorist Organizations: Service Provider represents and warrants that it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152 of the Texas Government Code.

XVIII.

Public Information: Service Provider understands that County will comply with the Texas Public information Act as interpreted by judicial ruling and opinions of the Attorney General of the State of Texas. Information, documentation, and other material in connection with this Purchase Order or any resulting contract may be subject to public disclosure pursuant to the Texas Public Information Act.

XIX.

Damage to County Property: Service Provider shall be liable for all damage to county-owned, leased, or occupied property and equipment caused by Service Provider and its employees, agents, subcontractors, and suppliers, including any delivery or transporting company, in connection with any performance pursuant to this Contract. Service Provider shall notify County in writing of any such damage within one (1) calendar day.

XX.

Media Releases: Service Provider shall not use County's name, logo, or other likeness in any press release, marketing materials, or other announcement without the County's prior written approval.

XXI.

Authorized Expenses: In the event County authorizes, in advance and in writing, reimbursement of non-labor expenses related to the services subject of this Contract, County will pay such actual non-labor expenses in strict accordance with the Williamson County Vendor Reimbursement Policy (as amended), which is incorporated into and made a part of this Contract by reference. The Williamson County Vendor Reimbursement Policy can be found at: WilliamsonCountyVendorReimbursementPolicyMarch2023.pdf (wilco.org). Invoices requesting reimbursement for authorized non-labor expenses must be accompanied by copies of the provider's invoice and clearly set forth the actual cost of the expenses, without markup.

XXII.

Entire Contract & Incorporated Documents; Conflicting Terms: This Contract constitutes the entire Contract between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated into this Contract include the following:

A. Quote 25218A marked **Exhibit "A"**;
B. COOP Contract Omnia 191804, incorporated by reference;
C. Insurance certificates evidencing coverages required herein above and
D. Any Addendums agreed to by both parties.

The County reserves the right and sole discretion to determine the controlling provisions where there is any conflict between the terms of this Contract and the terms of any other purchase order(s), contract(s) or any document attached hereto as exhibits relating to the services and goods subject of this Contract.

XXIII.

County Judge or Presiding Officer Authorized to Sign Contract: The presiding officer of the County's governing body who is authorized to execute this instrument by order duly recorded may execute this Contract on behalf of the County.

WITNESS that this Contract shall be effective as of the date of the last party's execution below.

WILLIAMSON COUNTY:

_____
Authorized Signature

Judge Steven Snell
County Judge

Date: _____,20__

FACILITIES RESOURCE, INC.:

Margaret Teinert Ross
Digitally signed by Margaret Teinert Ross
DN: cn=Margaret Teinert Ross, o=Facilities Resource, Inc., ou, email=mteinert@fri-texas.com, c=US
Date: 2025.05.22 14:02:50 -05'00'

Authorized Signature

Margaret Teinert Ross
Printed Name

Date: May 22, , 20 25

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: May 30 2025 Time: 9:50 am

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: May 28 2025 Time: 1:39 pm

Exhibit “A”
Facilities Resource Quote #25218A

Facilities Resource Inc.
1641 Scottsdale Drive
Cedar Park, TX 78641
512-371-1232

PR #137765

QUOTATION & CONTRACT

DATE	QUOTE #
05/12/25	**25218A**
SALES REP	PAYMENT TERMS
General Sales	Per Contract

BILL TO:	CUSTOMER PURCHASE ORDER	FINAL LOCATION:
AP Williamson County 3151 Southeast Inner Loop Georgetown, TX 78626-6342		Mary Johnson Sheriff's Office Williamson County 508 S. Rock Street Georgetown, TX 78626-5604 PH: 512.943.1313 FX: 512.943.3281

SUMMARY INFORMATION
HON OMNIA Contract #r191804 Clarus Glassboards OMNIA Contract #07-81 Fellowes OMNIA Contract #R221001

ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
1	2.00	Clarus Glassboards GB-F-M-2436 Magnetic Option M Size 2436 Glassboard Finish Selection CBC Finish CBC-100 ORIENTATION 24x36 H No Frame Selection Glassboard with concealed mounting hardware Magnetic Option = Magnetic Option M = Magnetic Size = Size 2436 = 24x36 Glassboard Finish Selection = Glassboard Finish Selection CBC Finish = CBC Finish CBC-100 = CBC-100 ORIENTATION 24x36 = Orientation H = Horizontal No Frame Selection = No Frame Selection -- ITEM LIST PRICE: $777.00 -- TAG/LOCATION: GB-F-M-2436 -- CONTRACT: 07-81	$ 388.49	$ 776.98
2	4.00	Fellowes FCH4CX BLK Desktop Power Module Including 14" 6-Outlet Power Adapter, (2) AC Power And (1) USB-A Outlet, (1) USB-C Outlet. Mounts On Top Or Under Desk BLK = Black -- ITEM LIST PRICE: $456.00 -- TAG/LOCATION: FCH4CX -- CONTRACT: R221001	$ 205.20	$ 820.80
3	4.00	Fellowes SENAEX2-MS BLK SenaEX Series Dual Monitor Arm w/2 Motion Limbs & 2 Slider Plates, Includes Desk Clamp & Grommet Mount BLK = Black	$ 338.40	$ 1,353.60

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ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
		-- ITEM LIST PRICE: $752.00 -- TAG/LOCATION: SENAEX2-MS -- CONTRACT: R221001		
4	3.00	The HON Company HJTRGH24 .P 24" Cable Management Tray - Black Only .P = Black (Select Paint Color) -- ITEM LIST PRICE: $99.00 -- TAG/LOCATION: HON WIRE MANAGEMENT,TRGH24 -- CONTRACT: R191804	$ 33.96	$ 101.88
5	3.00	The HON Company H10504 $(L1STD) .N 10500 Series Floorstnding Full Ht Ped F/F 15-5/8W x 22-3/4D $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $891.00 -- TAG/LOCATION: 10500 SER,FF -- CONTRACT: R191804	$ 400.95	$ 1,202.85
6	1.00	The HON Company H105064 $(L1STD) .N 15-5/8Hx28-3/4Dx28H File/File Pedestal $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $966.00 -- TAG/LOCATION: 10500 SER,FF -- CONTRACT: R191804	$ 434.70	$ 434.70
7	4.00	The HON Company H105106 $(L1STD) .N N 10500 Series 15 3/4Wx18 7/8Dx21 7/8H Mobile Ped B/F $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Select Chassis Laminate Color) -- ITEM LIST PRICE: $927.00 -- TAG/LOCATION: 10500 SER,BF -- CONTRACT: R191804	$ 417.15	$ 1,668.60
8	6.00	The HON Company H10524LEP $(L1STD) .N 15-3/4Wx23-7/8Dx28-1/2H L-Shaped End Panel $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $353.00 -- TAG/LOCATION: 10500 SER,LEP -- CONTRACT: R191804	$ 158.85	$ 953.10

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General Sales	Per Contract

ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
9	2.00	The HON Company H10530LEP $(L1STD) .N 15-3/4Wx29-7/8Dx28-1/2H L-Shaped End Panel $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $376.00 -- TAG/LOCATION: 10500 SER,LEP -- CONTRACT: R191804	$ 169.20	$ 338.40
10	1.00	The HON Company H105327G $(L1STD) .N N 10500 Series78Wx14-5/8Dx37-1/8HStk-onStg L WrkStn-FrstdDr $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Select Chassis Laminate Color) -- ITEM LIST PRICE: $2,329.00 -- TAG/LOCATION: 10500 SER,14x78x37 -- CONTRACT: R191804	$ 1,048.05	$ 1,048.05
11	1.00	The HON Company H10533G $(L1STD) .N N 10500 Series 66Wx14-5/8Dx37-1/8H Stack-on Stg-Frosted Dr $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Select Chassis Laminate Color) -- ITEM LIST PRICE: $2,114.00 -- TAG/LOCATION: 10500 SER,14x66x37 -- CONTRACT: R191804	$ 951.30	$ 951.30
12	1.00	The HON Company H105855 $(L1STD) .N 10500 Series Back enclosure for 66"W Stack on Storage $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $290.00 -- TAG/LOCATION: 10500 SER,BACK(66) -- CONTRACT: R191804	$ 130.50	$ 130.50
13	1.00	The HON Company H105857 $(L1STD) .N 10500 Series Back enclosure for 78"W Stack on Storage $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $338.00 -- TAG/LOCATION: 10500 SER,BACK(78) -- CONTRACT: R191804	$ 152.10	$ 152.10

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General Sales	Per Contract

ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
14	1.00	The HON Company H105R2460 $(L1STD) .N N 60Wx24D Rectangle Worksurface $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Edge Color) -- ITEM LIST PRICE: $405.00 -- TAG/LOCATION: 10500 SER,24/60 -- CONTRACT: R191804	$ 182.25	$ 182.25
15	3.00	The HON Company H105R2478 $(L1STD) .N N 78Wx24D Rectangle Worksurface $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Edge Color) -- ITEM LIST PRICE: $506.00 -- TAG/LOCATION: 10500 SER,24/78 -- CONTRACT: R191804	$ 227.70	$ 683.10
16	1.00	The HON Company H105R3048 $(L1STD) .N N 48Wx30D Rectangle Worksurface $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Edge Color) -- ITEM LIST PRICE: $374.00 -- TAG/LOCATION: 10500 SER,30/48 -- CONTRACT: R191804	$ 168.30	$ 168.30
17	2.00	The HON Company H105R3060 $(L1STD) .N N 60Wx30D Rectangle Worksurface $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color) N = Mahogany (Edge Color) -- ITEM LIST PRICE: $455.00 -- TAG/LOCATION: 10500 SER,30/60 -- CONTRACT: R191804	$ 204.75	$ 409.50
18	1.00	The HON Company H105R3066 $(L1STD) .N N 66Wx30D Rectangle Worksurface $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Top Laminate Color)	$ 219.60	$ 219.60

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QUOTATION & CONTRACT

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General Sales	Per Contract

ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
		N = Mahogany (Edge Color) -- ITEM LIST PRICE: $488.00 -- TAG/LOCATION: 10500 SER,30/66 -- CONTRACT: R191804		
19	1.00	The HON Company H90055 $(A) .REF 24 10500 Series Tckbd for 66"W Stack on Strg Bck Enclosure $(A) = Grd A Fab (Fabric Selection) .REF = Reflection (Grd A Fab) 24 = Stainless (Reflections Clr Opts) -- ITEM LIST PRICE: $405.00 -- TAG/LOCATION: LAM ACC,TB(66) -- CONTRACT: R191804	$ 182.25	$ 182.25
20	1.00	The HON Company H90057 $(A) .REF 24 10500 Series Tckbd for 78"W Stack on Strg Bck Enclosure $(A) = Grd A Fab (Fabric Selection) .REF = Reflection (Grd A Fab) 24 = Stainless (Reflections Clr Opts) -- ITEM LIST PRICE: $450.00 -- TAG/LOCATION: LAM ACC,TB(78) -- CONTRACT: R191804	$ 202.50	$ 202.50
21	1.00	The HON Company HNL2436LD2 .G N .F $(L1STD) .N $(L1STD) .N $(L1STD) .N 36x24x29-1/2 Lateral File two drawer .G = Smooth Flat (Select Edge Detail) N = Mahogany (Edgeband Color Selection) .F = Loop/Black (Select Handle Detail) $(L1STD) = Grd L1 Standard Laminates (Select Top Laminate Color) .N = Mahogany (Select Grade 1 Laminate Finish) $(L1STD) = Grd L1 Standard Laminates (Select Chassis Laminate Color) .N = Mahogany (Select Grade 1 Laminate Finish) $(L1STD) = Grd L1 Standard Laminates (Select Front Color) .N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $1,639.00 -- TAG/LOCATION: Concinnity,36x24x29 -- CONTRACT: R191804	$ 737.55	$ 737.55
22	1.00	The HON Company HNL3636BHLD .F $(L1STD) .N $(L1STD) .N 36x15x35-1/4 Bookcase Hutch lam doors .F = Loop/Black (Select Handle Detail) $(L1STD) = Grd L1 Standard Laminates (Select Chassis Color) .N = Mahogany (Select Grade 1 Laminate Finish) $(L1STD) = Grd L1 Standard Laminates (Select Front Color)	$ 477.45	$ 477.45

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ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
		.N = Mahogany (Select Grade 1 Laminate Finish) -- ITEM LIST PRICE: $1,061.00 -- TAG/LOCATION: Concinnity,36x15x36 LD -- CONTRACT: R191804		
23	8.00	The HON Company HSWEEPA2 Sweep Handle Kit Black 2-Pack -- ITEM LIST PRICE: $65.00 -- TAG/LOCATION: LAM ACC,PULL -- CONTRACT: R191804	$ 29.25	$ 234.00
24	4.00	The HON Company HIGCL .E .U $(1) .UR 96 .T Ignition Guest Chair Four Leg Frame Arms .E = Glide (Select Glide Option) .U = Upholstered (Select Back) $(1) = Grade 1 Uph (Select Upholstery) .UR = Contourett (Grade 1 Fab) 96 = Ocean (Contourett) .T = Black (Select Frame Color) -- ITEM LIST PRICE: $633.00 -- TAG/LOCATION: IGNITN STG,HIGCL -- CONTRACT: R191804	$ 284.85	$ 1,139.40
25	4.00	The HON Company HIWMRA .Y1 .A .H .0S $(1) .UR 96 .BL .SB .T Ign 2.0 Mid-back ReActiv .Y1 = Synchro-Tilt W Seat Slider (Control Type) .A = Height and Width Adj. Arm (Select Arm Type) .H = Hard Caster (Select Caster/Glide Option) .0S = Charcoal (Select Back) $(1) = Grade 1 Uph (Select Upholstery) .UR = Contourett (Grade 1 Fab) 96 = Ocean (Contourett) .BL = Black Adjustable Lumbar (Select Lumbar) .SB = Standard Base (Select Base) .T = Black (Select Frame Color) -- ITEM LIST PRICE: $906.00 -- TAG/LOCATION: IGNITION2,HIWMRA -- CONTRACT: R191804	$ 407.70	$ 1,630.80
26	1.00	The HON Company HSC1872 .L $(P1) .P Storage Cabinet 18D x 36W x 72H .L = Standard Random Key Lock (Lock Opts) $(P1) = P1 Paint Opts (Select Paint Color) .P = Black (Select Grade 1 Paint)	$ 666.21	$ 666.21

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ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
		-- ITEM LIST PRICE: $1,528.00 -- TAG/LOCATION: ST STO CAB,18x36x72 -- CONTRACT: R191804		
27	4.00	The HON Company HHATB2S2LT $(P1) .P71 .X .MEM 2 Stage 2 Leg Rectangle T Foot $(P1) = P1 Paint Opts (Select Paint Grade) .P71 = Black (Select Paint Color) .X = Standard Glide (Select Glide) .MEM = Memory Preset (Select Keypad) -- ITEM LIST PRICE: $1,090.00 -- TAG/LOCATION: HGT ADJ O,HATB-2S-T -- CONTRACT: R191804	$ 373.87	$ 1,495.48
28	2.00	The HON Company HLED17AS 17" LED Light w/Power Supply (Single) -- ITEM LIST PRICE: $574.00 -- TAG/LOCATION: OPTNL ACC,HLED17AS -- CONTRACT: R191804	$ 196.88	$ 393.76
29	2.00	The HON Company HLEDOSA UnderCabOccupancySensor w/1"EndToEnd Connector -- ITEM LIST PRICE: $126.00 -- TAG/LOCATION: OPTNL ACC,HLEDOSA -- CONTRACT: R191804	$ 43.22	$ 86.44
30	4.00	The HON Company HLSL2016PH2 $(1) .SNBLE 32 Ped Cushion: 20x15.8x1 $(1) = Grd 1 Uph (Select Fabric) .SNBLE = Noble Seating (Grade 1 Fab) 32 = Ice Caves (Noble Seating) -- ITEM LIST PRICE: $446.00 -- TAG/LOCATION: Voi Credenzas,Cushion -- CONTRACT: R191804	$ 200.70	$ 802.80
31	6.00	The HON Company HLSLZ5SC60 .P 48"W External Stiffener .P = Black (Select Color Option) -- ITEM LIST PRICE: $143.00 -- TAG/LOCATION: LAM ACC,48 -- CONTRACT: R191804	$ 64.35	$ 386.10

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ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE
32	3.00	The HON Company HUSLMOD1348 $(L1STD) .N .N .P Laminate Modesty 13h x 48w $(L1STD) = Grd L1 Standard Laminates (Select Laminate) .N = Mahogany (Select Grade 1 Laminate Finish) .N = Mahogany (Select Edgeband Color) .P = Black (Select Color Option) -- ITEM LIST PRICE: $646.00 -- TAG/LOCATION: Screens,48L Float -- CONTRACT: R191804	$ 290.70	$ 872.10
33	1.00	The HON Company HUSLMOD1336 $(L1STD) .N .N .P Laminate Modesty 13h x 36w $(L1STD) = Select Laminate: Grd L1 Standard Laminates .N = Select Grade 1 Laminate Finish: Mahogany .N = Select Edgeband Color: Mahogany .P = Select Color Option: Black -- ITEM LIST PRICE: $619.00 -- TAG/LOCATION: Screens,48L Float -- CONTRACT: R191804	$ 278.55	$ 278.55
34	1.00	The HON Company SURCHARGE HNI Surcharge -- ITEM LIST PRICE: $911.50 -- CONTRACT: R191804	$ 911.50	$ 911.50
35	1.00	FRI Services FRI Design -- ITEM LIST PRICE: $750.00 -- CONTRACT: R191804	$ 750.00	$ 750.00
36	1.00	FRI Services FRI RDI -- ITEM LIST PRICE: $1,600.00 -- CONTRACT: R191804	$ 1,600.00	$ 1,600.00

NOTES:

*Estimated Materials and Commodity Surcharges have not been added to this quote due to current market fluctuations, (Actual Amount Charged will be determined at the time the order is placed). Manufacturers will notify Dealer of any price adjustment due to Surcharges and/or Tariffs within 72 hours of price increase.

*Storage of product begins upon receipt of product at FRI Warehouse and will be prorated based on need until all product is delivered to site.

*Storage will be calculated on a weekly basis and charged on a change order until the products leave the warehouse. Any outstanding storage change order older than 30 days will cause a hold on product release.

**Facilities Resource, Inc. will assess a 3.5% convenience fee on all credit card transactions.

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General Sales	Per Contract

ITEM #	QTY	PRODUCT	UNIT PRICE	EXT. PRICE

ACH Details:
Account:221433551
Routing:113122655
Remit: ar@fri-texas.com

WE ARE PLEASED TO QUOTE THE FOLLOWING ITEMS FOR YOUR APPROVAL. THESE ITEMS ARE SUBJECT TO THE TERMS AND CONDITIONS OF THE SALE WHICH ARE PART OF THIS AGREEMENT. THE MERCHANDISE WILL BE ORDERED UPON RECEIPT OF THIS SIGNED CONTRACT AND DEPOSIT. THIS OFFER WILL EXPIRE 30 DAYS FROM THE QUOTATION DATE. THIS QUOTATION, WHEN ACCEPTED IS A CONTRACT BINDING ON BOTH PARTIES AND IS NOT SUBJECT TO CHANGE OR CANCELLATION EXCEPT BY WRITTEN CONSENT BY BOTH PARTIES.

x Date 05/12/25
General Sales
Facilities Resource Inc.

x Not Required with PO Issued Date
Title
Williamson County

SUBTOTAL	$24,442.50
FREIGHT	$0.00
DELIVERY/SET-UP	$0.00
SALES TAX (0%)	$0.00
TOTAL	**$24,442.50**
DEPOSIT REQUESTED	$0.00
BALANCE	**$24,442.50**

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1319232

Date Filed:
06/03/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Facilities Resource, Inc.
Cedar Park, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
Williamson County, Texas

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
2025242
Replacement Furniture

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Teinert-Ross, Margaret	Georgetown, TX United States	X	
Ross, Darren	Georgetown, TX United States		X
Ornelas, Cynthia	Cedar Park, TX United States		X
Ornelas, Robert	Cedar Park, TX United States		X

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is [redacted], and my date of birth is [redacted].

My address is [redacted] (street), [redacted] (city), [redacted] (state) [redacted] (zip code), USA (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Williamson County, State of Texas, on the 3rd day of June (month), 2025 (year).

Margaret Teinert Ross

Digitally signed by Margaret Teinert Ross
DN: cn=Margaret Teinert Ross, o=Facilities Resource, Inc., ou, email=mteinert@fri-texas.com, c=US
Date: 2025.06.03 16:13:14 -05'00'

Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1319232

Date Filed:
06/03/2025

Date Acknowledged:
06/04/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Facilities Resource, Inc.
Cedar Park, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County, Texas

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

2025242
Replacement Furniture

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Teinert-Ross, Margaret	Georgetown, TX United States	X	
Ross, Darren	Georgetown, TX United States		X
Ornelas, Cynthia	Cedar Park, TX United States		X
Ornelas, Robert	Cedar Park, TX United States		X

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **18.**

Meeting Date: 06/10/2025

Agreement between Junior League and WCRAS

Submitted By: Misty Valenta, Animal Services

Department: Animal Services

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take action on an agreement between Junior Leage and the Regional Animal Shelter.

Background

This is a volunteers-only agreement between The Junior League of Austin and the Williamson County Regional Animal Shelter indicating expectations around placements and volunteer requirements.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Junior League Agreement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/03/2025 03:24 PM
Form Started By: Misty Valenta		Started On: 06/03/2025 01:11 PM
Final Approval Date: 06/03/2025		

The Junior League of Austin Community Partner Program
Volunteer and Funding Award Notice
2025-2026

Organization Name and Contact Information

Williamson County Regional Animal Shelter
1855 SE Inner Loop
Georgetown, TX 78626

(512) 943-3322

Executive Director
Misty Valenta, Executive Director, misty.valenta@wilcotx.gov

Primary Grant Contact
Wesley Samuelson, wesley.samuelson@wilcotx.gov

Program Period	Funding Amount
June 1, 2025-May 31, 2026	$0 (fourth consecutive year/volunteers only)

Approved Placements

- Adoption Lobby Volunteer
- Cat Socialization
- Dog Walker

Additional Documentation Required to Complete Agreement

- Volunteer Preparation Form: https://form.jotform.com/251195794285166
- Certificate of insurance
- Current high-resolution logo and brand guidelines

Assurances

The awardee organization agrees to abide by the requirements and program guidelines of the 2025-2026 JLA Community Partner Program. The awardee's application and any amendments as revised or negotiated by The Junior League of Austin's Researchers team are incorporated by reference and, therefore, made part of this grant award. Also incorporated by reference into this grant award are the attached Program Guidelines.

The approved placement titles listed above are accurate as of the issuance of this notice. JLA does not guarantee that volunteers will be available for all listed roles. The organization

will be notified of the JLA volunteers assigned to their organization prior to the beginning of their placements.	
On behalf of The Junior League of Austin Haley Gardiner (May 29, 2025 09:58 EDT) President Treasurer	**On behalf of Williamson County Regional Animal Shelter** Signature of Authorizing Official Name and Title

Program Guidelines

The Junior League of Austin ("JLA" or "the Junior League") is a volunteer organization whose mission is to advance women's leadership for meaningful community impact through volunteer action, collaboration, and training. The Junior League of Austin's Community Partner Program is designed to provide volunteers and funding to area non-profit agencies for the benefit and enrichment of the Austin community and the development and education of our JLA volunteers. Each year, JLA invests thousands of volunteer hours in community agencies and programs.

JLA Community Partner Program Contacts

The Community Partner Program is designed to support our partner organizations, as well as our community-placed volunteers. The communications and reporting structure includes the following JLA volunteer roles:

- **Project Chair**: The Project Chair (PC) is a JLA volunteer who serves as the primary liaison between JLA and its volunteers and the partner organization. The PC brings questions raised by volunteers to the partner organization's staff, serves as a communication point for placement information or requirements, and plans opportunities for volunteers placed at an organization to interact. The organization must extend their PC an opportunity to attend the organization's board meetings. The PC also holds a volunteer placement role within the organization. For returning partners, your individual PC contact will change but the JLA contact email for the PC will remain the same. New partners will receive their PC's contact email upon assignment.

- **Community Placement Coordinator:** Each PC is assigned to a Community Placement Coordinator (CPC) to assist with volunteer management and questions that may arise during the year. Because each CPC works with multiple PCs and organizations, they are able to identify trends in our community placements and serve as a point of escalation for PCs. CPC assignments may change each year, even for returning organizations. Your CPC's contact information will be shared upon assignment.

- **Placement Chair-Elect and Placement Chair:** The Placement Chair-Elect and Placement Chair manage members' assignments at our partner organizations and are the main point of escalation should issues arise with individual members. They also track JLA volunteers' service hours and may communicate with the organization if members are in danger of not meeting their requirements.

  The Placement Chair-Elect may be reached at placementelect@jlaustin.org and the Placement Chair may be reached at placement@jlaustin.org.

- **Community Vice President:** The Community Vice President (VP) is responsible for fostering the relationship between JLA and its partner organizations on a broader level, including through the implementation of this agreement. The Community VP is the primary contact for signed agreements and associated attachments and manages partner organizations' reporting requirements. Partners should feel free to reach out to the Community VP with questions about JLA, its programming, ideas for additional partnerships, or for opportunities to network with other partner organizations. Issues

related to this agreement or with placement details that cannot be resolved through the PC, CPC, and Placement team should be automatically escalated to the Community VP.

The Community VP can be reached at communityvp@jlaustin.org. All written materials may be mailed to JLA at the following address:

The Junior League of Austin
ATTN: Community VP
5330 Bluffstone Lane
Austin, TX 78759

Project Period

Except as otherwise stated, the term of this agreement shall begin June 1, 2025, and terminate on May 31, 2026. A new agreement will be issued in each year of a multi-year agreement.

Grant Award

The Junior League of Austin agrees to contribute grant funds in the sum listed in the organization's Community Partnership Agreement, which shall be used by the organization for the benefit of the project(s) approved through this application process.

Grant funds will be disbursed by the Junior League no earlier than July 1, and upon completion of all the following activities:

a) Signed acceptance of the grant agreement,
b) Submission of proof of insurance and volunteer preparation form, and
c) Initial engagement of Junior League of Austin volunteers.

Grant funds are contingent upon the Junior League being reasonably satisfied that grant funds will be used for the purposes outlined in this agreement. Failure to fulfill the requirements of this agreement, including submissions of required reports, may result in the required repayment of funds by the organization to JLA.

The Junior League may request a copy of any certified or uncertified financial statements or budget of the organization and is entitled upon request to examine the financial records of the organization upon reasonable notice during regular business hours.

Funding Off-Years

Per JLA's General League Policies and Procedures, an agency may request funding for no more than three consecutive years. In the fourth year, the agency may request volunteers only. In the fifth year, the agency may start another three-year funding cycle. Agencies participating in their funding off-year will see a value of $0 as their award amount.

Funding in Two-Year Agreements

Agencies participating in a two-year agreement are not guaranteed level funding across both project years. Two-year agreements do not exempt agencies from a funding off-year in their fourth consecutive year.

Volunteers

Approved Placements

Grant funding is contingent upon the organization providing sufficient volunteer opportunities for the approved project in the manner and structure approved through the JLA Researchers process. The organization will provide JLA volunteers and leadership with information about the placement, orientation and training, board meetings, or other information necessary to manage JLA volunteers' experience with the partner organization.

Should a placement's structure or availability change from what is approved, it is the responsibility of the organization to communicate any changes in writing to the Placement Chair, the Placement Chair-Elect, and the Community VP and work with JLA to make reasonable accommodations for placed members. Failure to provide and execute an agreed-upon plan may result in the repayment of grant funds.

Volunteer Rosters

The Placement team, including the Placement Chair, Placement Chair Elect, CPC, and/or PC, will send the organization the names and contact information of the volunteers placed with the organization prior to the start of placement activities. The Placement team will also communicate any changes in the volunteer rosters if and when member situations change over the scheduled course of the placement.

Placement Requirements

JLA members are required to complete 50 hours of service during the designated placement period, as listed below:

- Year-round placements: September 1, 2025-May 15, 2026
- Summer placements: June 1-August 31, 2025
- Fall placements: September 1-December 31, 2025
- Spring placements: January 1-May 15, 2026

Members in year-round and spring-concentrated placements must complete all hours by May 15, to allow JLA leadership sufficient time to evaluate the members' records before the end of the JLA year on May 31. Partner organizations should make a good faith effort to work with JLA volunteers to ensure that they each have sufficient volunteer opportunities to fulfill their hours requirement by the deadline stated above. Please work with the contacts listed above if you have questions or concerns about the availability of hours and volunteers' ability to complete their placement.

Training and Orientation

The organization agrees to offer timely and appropriate training to volunteers placed with their organization and to communicate the availability of that training to the placed volunteers, the organization's Project Chair, the appropriate Community Project Coordinator, the Placement Chair-Elect, and the Community VP.

Project Chair Board Attendance

Board meeting attendance is an important way for your Project Chair to become more familiar with your organization and observe nonprofit management practices that may differ from JLA's. Project Chairs should be invited to attend all meetings of your organization's board of directors solely in an advisory capacity and not as a director during this project's term. To facilitate this process, please provide the dates for your 2025-2026 board of directors' meetings in the Volunteer Preparation Form or at the earliest available date.

Project Chairs are not expected to attend meetings of the executive board (if applicable) or closed sessions. If your organization prohibits attendance by non-directors at board meetings or if the Project Chair would be prohibited from attending at least one board meeting during the project period, please make a note in your Volunteer Preparation Form and notify the Community VP and the Placement Chair-Elect.

Reporting Requirements

Volunteer Preparation Form

The organization is required to complete and submit the Volunteer Preparation Form prior to May 31, 2025, as part of the agreement package. The form will include information necessary to support the successful orientation of JLA members to the organization and a list of staff responsible for the organization's relationship with JLA and its members, including, at least, the executive director, a volunteer coordinator, and any other related staff. It is especially important that organizations with summer placements complete this form as soon as possible.

Mid-year and Final Reports

Community partner agencies, including those not receiving funding, are required to submit a mid-year and a final project report. The report will be completed in the manner and according to a schedule communicated by the JLA Community Vice President with the mid-term report due prior to January 10, 2026, and the final report due prior to May 10, 2026. The reports will include questions regarding volunteer participation, quantitative and qualitative impacts of JLA volunteers on the organization and its programming, and lessons learned.

Insurance

The organization is required to maintain at all times and at its own expense a comprehensive general liability insurance policy that is written on an occurrence basis and issued by a Texas licensed insurance company with limits of at least $1,000,000 combined single limit per occurrence for death, bodily injury and/or damage to property and with The Junior League of Austin, its members, officers, directors, and employees named as additional insureds. If the policy is canceled or transferred, the organization must give thirty (30) days prior written notice to JLA.

The organization must provide a certificate of insurance and all renewals to the Community VP either via email or hard copy sent to the JLA Community Impact Center at the address listed above.

The organization agrees to indemnify, defend and hold harmless the Junior League and its members, officers, directors, and employees of and from any and all third party claims, demands, actions, causes of action, liabilities, and expenses (including attorneys' fees and all

other reasonable expenses of litigation or defense against claims) arising out of or related to any and all obligations of the Junior League under this agreement, and any acts or failure to act by any Junior League member in connection with any volunteer placement under this agreement. This requirement does not apply to any governmental entity which is prohibited by the Texas Constitution or any state law or regulation from indemnifying the Junior League.

Partnership Communications and Logo Use

Use of JLA Community Project Logo

The partner organization is expected to incorporate the JLA community partner logo and include the words “A Project of The Junior League of Austin” in all publicity that refers to the project for which JLA provides volunteers, unless the publicity does not refer to any partners, donors, or other sponsors. This includes, but is not limited to, recognition on the organization’s website, sponsor acknowledgements and social media. Examples of use must be provided as a part of the mid-term and/or final reports and may be submitted to the Community VP at any time during the project period.

JLA will provide multiple high-resolution versions of the 2025-2026 JLA Community Partner logo for use by partner organizations.

The organization will submit its plan for recognizing JLA no later than June 30, 2025, as part of the Volunteer Preparation Form. If it is impractical or overly burdensome for the organization to publicly recognize JLA, the organization must provide a written statement to JLA outlining the challenges.

The organization may not continue to use the JLA logo outside of an active community partner program agreement and must remove the logo upon request of JLA prior to the end of the grant period.

Promotion of Community Partners

JLA is also committed to showcasing its community partners throughout the project period. Each organization should submit a high-resolution copy of its logo, in a format as close to square as possible, along with any brand guidelines or restrictions to the Community VP as part of this agreement to ensure that JLA remains in alignment with the organization’s brand use requirements.

Community partners are asked to support and participate in efforts to spotlight JLA partnerships, including by decorating a tree for the community garden at A Christmas Affair in November. Details and guidelines will be shared through the Community VP.

Partnership Termination

JLA may, in its sole discretion, review the performance of the organization under this agreement and withdraw some or all of its volunteers, terminate this agreement, or exercise other remedies if JLA reasonably determines that:

i) the partner organization's obligations outlined in this agreement and in the community partner program grant application are not being performed in accordance with the terms hereof,
ii) continued performance of this agreement might jeopardize JLA’s tax-exempt status,

iii) continued performance of this agreement might adversely affect JLA's reputation in the community, or
iv) continued performance of this agreement exposes JLA volunteers to unsafe conditions or situations, as determined by JLA.

The termination of this agreement will be effective as of the termination date included in the notice but at least thirty (30) days after the date of the notice. If the agreement is terminated due to exposure to unsafe conditions or situations, the termination is effective immediately upon notice.

Upon termination of this agreement, neither JLA nor the partner organization shall have any obligation of future performance, but neither is relieved of any failure to perform obligations under the agreement prior to the termination date. The JLA will review the organization's performance prior to termination and the reason for the termination and, if the grant award has already been disbursed, determine if the organization is required to repay the grant award.

Anti-Discrimination

By entering this agreement, the organization agrees to the following anti-discrimination statement: The Junior League of Austin and its community partners do not and shall not discriminate on the basis of gender identity, sexual orientation, disability, age, military or veteran status, race, religion or national origin in any of its activities or operations.

Commissioners Court - Regular Session **19.**

Meeting Date: 06/10/2025

Approval of the Service and Goods Agreement with Mobile Communications America (MCA) for the Sheriff's Office

Submitted For: Joy Simonton **Submitted By:** Sandra Malcolm, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action to approve the agreement #2025170 between Mobile Communication America (MCA) and Williamson County for the Fleet and Impound Lot Security Camera Upgrade in the amount of $13,558.87 pursuant to DIR Cooperative Contract #DIR-CPO-4494, and authorizing the execution of the agreement.

Background

Approval of this item will support operations for the Sheriff's Office at the impound lot, located at 3151 SE Inner Loop, Georgetown, Texas 78626. MCA will provide and replace two existing cameras and relocate an additional camera. The proposal includes a Point-to-Point option for the vehicle storage building with a Multi-Sensor camera added to the building. System installation includes hardware, system licenses, and configuration. This has been approved by the Budget, Auditor's Office, and Information Services. The funding for this is 01.0100.0560.005003 for FY25. Origination #2261. The department's point of contact is Don Heflin.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Service Agreement and Quote

1295 Form

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/03/2025 01:20 PM
County Judge Exec Asst.	Delia Colon	06/03/2025 02:44 PM
Form Started By: Sandra Malcolm		Started On: 03/04/2025 02:32 PM
Final Approval Date: 06/03/2025		

WILLIAMSON COUNTY
SERVICES AND GOODS CONTRACT
MOBILE COMMUNICATIONS AMERICA, INC.
(Quote [redacted]

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to the Texas Constitution, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS SERVICES AND GOODS CONTRACT (hereinafter "Contract") is made and entered into by and between **Williamson County, Texas** ("County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **MOBILE COMMUNICATIONS AMERICA, INC.** (hereinafter "Service Provider"), both of which are referred to herein as the parties. This Services and Goods Contract replaces the former Controlling Terms and Conditions entered into by the parties on or about April 16, 2024. The County agrees to engage Service Provider as an independent contractor, to provide certain services described herein pursuant to the following terms, conditions, and restrictions:

I.

Services: Service Provider shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. Service Provider expressly acknowledges that he, she, or it is not an employee of the County. The services to be provided include security camera upgrade at the Williamson County North Campus Facilities located at 3151 SE Inner Loop, Georgetown, TX 78626. The services include but are not limited to the services and work described in the attached **MCA Quote** [redacted] marked as **Exhibit "A,"** which is incorporated herein to the extent that it meets or exceeds the requirements of County's solicitation, if applicable.

Should the County choose to add services in addition to those described in **Exhibit "A,"** such additional services shall be described in a separate written amendment to this Contract wherein the additional services shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional services. Service Provider shall not begin any additional services and the County shall not be obligated to pay for any additional services unless a written amendment to this Contract has been signed by both parties.

Service Provider represents that they (including Service Provider's agents, employees, volunteers, and subcontractors, as applicable) possess all certifications, licenses, inspections, and permits required by law to carry out the services and work described in **Exhibit "A."** The Service Provider shall, upon written (including electronic) request, provide proof of valid licensure.

II.

Goods: Service Provider shall supply the County the goods described in Exhibit "A," provided to the extent it meets or exceeds the County's solicitation, if applicable.

Should the County choose to purchase goods in addition to those described in Exhibit "A,", such additional goods shall be described in a separate written amendment wherein the additional goods shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional goods. Service Provider shall not provide any additional goods, and the County shall not be obligated to pay for any additional goods unless a written amendment has been signed by both parties.

III.

Effective Date and Term: This Contract shall be in full force and effect as of the date of the last party's execution below and shall continue until the Project Completion Date or when terminated pursuant to this Contract, whichever event occurs first. The Project Completion Date is defined as the date by which all services and obligations outlined in Exhibit "A" shall be fully performed and delivered to the satisfaction of the County. The parties acknowledge and agree that the Project Completion Date is initially set to be on or before September 30, 2025, however this date may be amended at the sole discretion of the County. Upon successful completion of the services as described in Exhibit "A", this contract shall automatically terminate without further obligation from either party, except as otherwise expressly provided herein.

IV.

Consideration and Compensation: Service Provider will be compensated based on a fixed sum as set out in **Exhibit"A"** and in accordance with DIR COOP contract number DIR-CPO-4494. The not-to-exceed amount for the life of this contract shall be **Thirteen Thousand, Five Hundred Fifty-Eight Dollars and Eighty-Seven Cents ($13,558.87)**.

Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date the County receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

The County is a political subdivision under the laws of the State of Texas and claims exemption from sales and use taxes under Tex. Tax Code Ann. §151.309, as amended. The County agrees to provide exemption certificates to Service Provider upon request. Likewise, the County is neither liable for any taxes, charges, or fees assessed against Service Provider for the supplies or products provided or any Services rendered.

V.

Insurance: Service Provider shall provide and maintain, until the services covered in this Contract is completed and accepted by the County, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to the County and name the County as an additional insured.

	Type of Coverage	**Limits of Liability**
a.	Worker's Compensation	Statutory
b.	Employer's Liability	
	Bodily Injury by Accident	$500,000 Ea. Accident
	Bodily Injury by Disease	$500,000 Ea. Employee
	Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$1,000,000	$1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits		No aggregate limit

Service Provider, as an independent contractor, meets the qualifications of an "Independent Contractor" under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, and must provide its employees, agents, and sub-subcontractors worker's compensation coverage. Contactor shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by the County.

Upon execution of this Contract, Service Provider shall provide the County with insurance certificates evidencing compliance with the insurance requirements of this Contract.

VI.

No Agency Relationship & Indemnification: It is understood and agreed that Service Provider shall not in any sense be considered a partner or joint venturer with the County, nor shall Service Provider hold itself out as an agent or official representative of the County. Service Provider shall be considered an independent contractor for the purpose of this Contract and shall in no manner incur any expense or liability on behalf of the County other than what may be expressly allowed under this Contract. The County will not be liable for any loss, cost, expense, or damage, whether indirect, incidental, punitive, exemplary, consequential of any kind whatsoever for any acts by Service Provider or failure to act relating to the services being provided.

VII.

INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, THE SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE SERVICE PROVIDER, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. SERVICE PROVIDER HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF SERVICE PROVIDER OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

VIII.

No Waiver of Sovereign Immunity or Powers: Nothing in this Contract will be deemed to constitute a waiver of sovereign immunity or powers of the County, the Williamson County Commissioners Court, or the Williamson County Judge.

Additionally, the parties agree that under the Constitution and laws of the State of Texas, the County cannot enter into an agreement whereby the County agrees to indemnify or hold harmless another party; therefore, all references of any kind to County defending, indemnifying, holding, or saving harmless Service Provider for any reason are hereby deleted.

IX.

Compliance With All Laws: Service Provider agrees and will comply with all local, state, or federal requirements with respect to the services rendered. Any alterations, additions, or deletions to the terms of the Contract that are required by changes in federal, state, or local law or regulations are automatically incorporated into the Contract without written amendment hereto and shall become effective on the date designed by such law or by regulation.

X.

Termination: This Contract may be terminated at any time at the option of either party, without future or prospective liability for performance, upon giving thirty (30) days written notice thereof.

XI.

Venue and Applicable Law: Venue of this Contract shall be Williamson County, Texas, and the laws of the State of Texas shall govern all terms and conditions.

XII.

Severability: In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision in this Contract and this Contract shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XIII.

Right to Audit: Service Provider agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Contract, have access to and the right to examine and photocopy any and all books, documents, papers and records of Service Provider which are directly pertinent to the services to be performed under this Contract for the purposes of making audits, examinations, excerpts, and transcriptions. Service Provider agrees that the County shall have access during normal working hours to all necessary Service Provider facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. The County shall give Service Provider reasonable advance notice of intended audits.

XIV.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this Contract.

XV.

No Assignment: Service Provider may not assign this Contract.

XVI.

Confidentiality: Service Provider expressly agrees that he or she will not use any incidental confidential information that may be obtained while working in a governmental setting for his or her own benefit, and agrees that he or she will not enter any unauthorized areas or access confidential information and he or she will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XVII.

Foreign Terrorist Organizations: Service Provider represents and warrants that it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152 of the Texas Government Code.

XVIII.

Public Information: Service Provider understands that County will comply with Texas Government Code, Chapter 552, the Public Information Act (PIA) as interpreted by judicial ruling and opinions of the Attorney General of the State of Texas. Service Provider further understands that any solicitation, including proposals, quotes, presentations, pricing, references and any supporting documentation, shall become the property of Williamson County and are subject to public disclosure in accordance with the PIA. Service Provider further understands that such documents are made part of the public facing agenda and meeting minutes in open meetings of Commissioners Court. Information, documentation, and other material in connection with this Contract or any resulting contract may be subject to public disclosure pursuant to the Texas PIA.

XIX.

Damage to County Property: Service Provider shall be liable for all damage to county-owned, leased, or occupied property and equipment caused by Service Provider and its employees, agents, subcontractors, and suppliers, including any delivery, or transporting company, in connection with any performance pursuant to this Contract. Service Provider shall notify County in writing of any such damage within one (1) calendar day.

XX.

Media Releases: Service Provider shall not use County's name, logo, or other likeness in any press release, marketing materials, or other announcement without the County's prior written approval.

XXI.

Authorized Expenses: In the event County authorizes, in advance and in writing, reimbursement of non-labor expenses related to the services subject of this Contract, County will pay such actual non-labor expenses in strict accordance with the Williamson County Vendor

Reimbursement Policy (as amended), which is incorporated into and made a part of this Contract by reference. The Williamson County Vendor Reimbursement Policy can be found at: WilliamsonCountyVendorReimbursementPolicyMarch2023.pdf (wilco.org). Invoices requesting reimbursement for authorized non-labor expenses must be accompanied by copies of the provider's invoice and clearly set forth the actual cost of the expenses, without markup.

XXII.

Entire Contract & Incorporated Documents; Conflicting Terms: This Contract constitutes the entire Contract between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated into this Contract include the following:

A. This Contract between The County and Service Provider;
B. As described in the attached **MCA Quote** [redacted] marked as **Exhibit "A"**;
C. The cooperative purchasing COOP contract number DIR-CPO-4494, incorporated by reference;
D. Insurance certificates evidencing coverages required herein above and
E. Any Amendments agreed to by both parties.

The County reserves the right and sole discretion to determine the controlling provisions where there is any conflict between the terms of this Contract and the terms of any other purchase order(s), contract(s) or any document attached hereto as exhibits relating to the services and goods subject of this Contract.

XXIII.

County Judge or Presiding Officer Authorized to Sign Contract: The presiding officer of the County's governing body who is authorized to execute this instrument by order duly recorded may execute this Contract on behalf of the County.

WITNESS that this Contract shall be effective as of the date of the last party's execution below.

WILLIAMSON COUNTY:

_____
Authorized Signature

_____
County Judge/Presiding Officer

Date: _____, _____ 20___

Mobile Communications America, Inc.:

Barry Downs
Authorized Signature

Barry Down, Regional VP
Printed Name

Date: 5/16/2025, _____ 20___

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: May 19 2025 Time: 3:53 pm

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: May 19 2025 Time: 3:01 pm

Exhibit "A"
MCA Quote [redacted]

Williamson County North Campus Facilities

Vehicle Impound Camera Upgrades

[redacted]

Provided By:

Patrick Stevenson

PatrickStevenson@callmc.com

Date:
4/18/2025

Quote:
[redacted]

Expiration Date:
5/18/2025

Table of Contents

Scope of Work

Bill of Materials

System Investment

Service Level Agreement (SLA)

Payment Terms

Customer Acceptance

DCJS No.: 11-17936 and NC 2610-CSA

VA DCJS # 11-17936

CONFIDENTIALITY STATEMENT

THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL PERTAINING TO MOBILE COMMUNICATIONS AMERICA, INC. (MCA), THE SECURITY, FACILITIES, IT AND OTHER DEPARTMENTS OF THE REVIEWING ORGANIZATION. IT SHALL BE NEITHER DUPLICATED NOR DISCLOSED TO ANY PERSON OR PERSONS OUTSIDE THE RESPECTIVE COMPANIES WITHOUT PRIOR WRITTEN CONSENT.

MCA FURTHER AGREES TO MAINTAIN COMPLETE CONFIDENTIALITY AND AGREES ANY INFORMATION FURNISHED WILL BE KEPT IN THE STRICTEST CONFIDENCE. MCA WILL FURTHER NOT DISCLOSE TO ANYONE WHO IS NOT A DIRECT PARTICIPANT IN THE POSSIBLE PROJECT, THE FACT THAT NEGOTIATIONS ARE TAKING PLACE OR ANY TERMS OF THE POSSIBLE TRANSACTION.

Scope of Work

DIR-CPO-4494

Terms and conditions to follow Williamson County and MCA Controlling Terms and Conditions executed on 3/22/2024.

Mobile Communications America (MCA) will provide and replace two existing cameras and relocate one camera. Camera at the SW Corner to be replaced with Axis Multi Sensor. The camera at the NW Corner to be replaced by a PTZ. The fixed lens camera at the NE corner will be relocate to the other side of the NE corner. This proposal also includes a Point to Point option for the Vehicle Storage Building. This option will have a Multi Sensor camera added to the NE corner of the building. System installation includes hardware, system licenses, and configuration unless otherwise stated.

Video Surveillance System

MCA will furnish and install the following:

- 2 - Exterior cameras with mount at the following locations:
  - Southwest Corner Multi sensor - Will replace existing fixed lens camera
  - Northwest Corner PTZ - Will replace existing Fixed lens camera
- 1 - Exterior camera to be relocated following locations:
  - Northeast Fixed Lens - Will be relocated to the other corner looking at rear gate

1 - Point to Point Option at the following locations:

- Vehicle Storage Building NE Corner Multi Sensor
  - (Point to Point will be used to connect to the main building network switch)
  - *Conduit pathway and 120V for camera power is not included

Initial programming will include:

- Enrolling the cameras and setting up basic motion detection
- One administrative account
- One view only account
- Estimated days of storage 2/A
- 2MP-8MP at H.265 and 12 FPS
- Calculations are based on 40% motion detection or event recording

The NVR storage capacity is an approximate estimate based on general conditions that MCA does not guarantee. Each device will include the necessary mounting hardware, license and one year manufacturer software license support.

Customer Provided Items

- Electronic drawing files of the plans and approval of device layout
- Individual software administrator logins for personnel at each location for each system
- Assigning different schedules and access levels to the access control doors
- PoE switches and patch panels
- Existing recording server with storage space to accommodate the new devices
- Existing client workstations that meet the system minimal requirements
- Rack space and uninterruptable power supply in the MDF room for rack mount units
- Wall space and 3/4" plywood backboard for wall mount units
- Network configurations for connection of devices to Customer's network
- Phone line and / or network connection to intrusion panel for monitoring services
- 120VAC by a certified electrician for all security devices where needed
- Exterior and fire partition penetrations where needed
- Installation of conduit with a pull string to security devices where needed
- A dry contact connection from the fire system for fire drop out if needed

Finance

Purchaser hereby agrees to pay MCA the following terms:

The Customer is required to pay every invoice in full within 30 days of receiving the invoice.

Project Milestones and Invoicing Procedures

- An initial investment of 50% of the total project for mobilization is due and payable within 15 days of authorizing MCA's Customer Service Agreement (CSA)
- The remaining balance is due and payable in progress payments based upon material delivered or work completed

Refer to the Standard Terms and Conditions sections 8H, 8I, and 8J.

Any changes from the base price will be adjusted with approved change orders from the Customer. The as-built plans will be submitted along with the final submittal package to the Customer.

Engineering

MCA shall provide system design and operational documentation to ensure proper installation and efficient servicing of the system. MCA will provide submittal plans that will show where each device is located at each site. The submittal plans will also include a system matrix, which includes the schedule of each device and the programming setup into the security system software.

Cabling & Wiring

MCA will be responsible to install all the wiring and connections providing communication and/or control between MCA supplied devices and central control equipment. All wires will be dressed in a neat and professional manner.

MCA will not provide any conduit or trenching required to reach each device. It is the Customer's responsibility to provide a pathway for all wiring required for each device. MCA is not responsible for any existing wiring being used. A quote will be provided to the Customer for any wiring that is found to be unusable

Field Devices

MCA will provide all necessary devices and hardware included on the equipment list attached. The devices on the security plans will be installed and programmed into the system according to the system matrix.

MCA is not responsible for any existing devices being reused. If any existing devices are found to be unusable then a quote will be provided to the Customer to replace the device. MCA is not responsible for any damages done from the existing devices being removed. The Customer is responsible to patch and repair any damages done from existing devices removed.

Programming

MCA trained personnel will program the security system to provide a functioning operational system. MCA will support Customer programming personnel and set up remote field panels consistent with manufacturer standards. MCA will program each device according to the system matrix provided in the security plans. If any additional programming or special programming outside the system matrix is needed an approved change order from the Customer is required.

Customer to furnish IP addressing scheme for all devices requiring an IP address on the network. MCA will provide a list of devices that need IP addresses to the Customer.

Rental Equipment

Lift rental is not included in this proposal and shall be provided by the Customer if required.

Testing

MCA will perform acceptance testing in the presence of the appointed Customer representative to ensure proper operation and communication of all integrated systems. A test sheet with a check list for each device will be provided by MCA and signed by the Customer representative upon successful completion of a system acceptance test. The final system test report will be sent to all parties.

A punch list detailing items requiring a follow up that is within this scope of work will be created. MCA will correct the punch list items in a mutually agreed upon time. If the Customer wants something changed after the test sheet has been signed additional charges will be applied.

Upon system acceptance, an MCA job completion form shall be signed and sent to all parties. It is the Customer's responsibility to ensure proper periodic testing per the manufacturer's recommendation if a signed SecurePlan agreement is not in place.

Training

MCA will provide training for one combined end user training session. The individuals for the system training session will be determined by the Customer. All training for the above mentioned systems to follow the manufacturer guidelines for Customer training. This training will be provided for administrators and users for each system.

Training will include upgrade implementation, system administration, end-user, and reports. The training will be classroom style and will include manuals, training material, and hands on training. Two hours of training

are provided with this proposal. Additional training may be provided with additional cost.

Standard Proposal Notes:

1. This proposal will follow the guidelines stated in DIR contract number DIR-CPO-4494 Standard Terms and Conditions.
2. This proposal is valid for 60 days. After the 60 days the quote is no longer valid and a new quote needs to be regenerated and prices may vary.
3. A standard 1 year warranty applies on all newly installed equipment.
4. Please allow 4-6 weeks lead time for door hardware.
5. Final Location of all equipment to be approved by owner prior to start of installation.
6. Work provided by MCA is assumed to be continuous, unhindered and without the need for escorts. Additional costs will be incurred if work is slowed by denial or delay of access to the work areas without three days' notice, or if escorts are required at any time. Any cessation of work by the customer or delays in the project construction schedule will result in additional mobilization and project management charges.
7. The quantities of materials noted above scope of work are intended to be descriptive. Should there be any discrepancy between the scope of work and the equipment list, the equipment list will supersede the scope of work stated above.
8. All work will be done following federal, state, and local laws and requirements for the above scope of work.
9. Due to extreme supply chain issues, MCA reserves the right to adjust final proposal pricing until an order is placed with our manufacturer partners. We will inform you within 5 business days of receipt of order about product availability and price increases greater than MCA can absorb.

MCA Excludes the Following:

1. All 120 VAC connections are to be performed by customer or customer's designated licensed Electrical contractor.
2. Fire alarm interface, cabling, connection, input/output, testing and certification.
3. Any city or other governmental permits, not associated with this scope of work, required for the use and operation of the system.
4. Access to device location, penetrations, required access panels for concealed areas.
5. If not stated above wire mold, conduit, trenching, wireless devices or aerial cabling necessary to connect any remote locations or gates, computer workstations to operate the system, and network equipment to provided power and data communication for devices.
6. Overtime required due to schedule revisions, work stoppages, delays caused by others, or circumstances beyond MCA control.
7. Final terminations and connections to equipment other than provided by MCA.
8. Any trade installation that MCA is not licensed to perform.
9. Painting, patching or landscaping required as a result of the installation of equipment associated with this scope of work.
10. Technical assistance or the setup of the customer's network for connection to the security control systems. The customer is required to provide static IP addresses and support personnel for assistance in setting up the network connections.

Bill of Materials

Manufacturer	MPN	MSRP	Unit Price	Quantity	Row Total
GENETEC	DIR-ADV-CAM-E-1Y	$51.00	$35.97	1	$35.97
Genetec Advantage for 1 Omnicast Enterprise Camera - 1 year					
GENETEC	DIR-GSC-Om-E-1C	$250.00	$176.31	1	$176.31
1 Enterprise camera connection, mandatory Genetec Advantage					
Axis Communications	DIR-02634-001	$1,699.00	$1,318.04	2	$2,636.08
P3737-PLE PANORAMIC 4X 5MP20FPS, 360IR ILLUM. IP66					
Axis Communications	DIR-01513-001	$99.00	$76.80	2	$153.60
T94N01D PENDANT KIT FORP3717-PLE IP CAM, 1.5" NPST					
Axis Communications	DIR-5504-821	$99.00	$76.80	2	$153.60
T91D61 WALL MOUNT, AL WH W/1.5" NPS THREAD FOR FIX					
Axis Communications	DIR-5017-641	$89.00	$69.04	2	$138.08
T91A64 CORNER BRACKETFOR Q6032-E PTZ + P55340					
Axis Communications	DIR-02172-004	$79.00	$61.29	1	$61.29
MIDSPAN, POE, SINGLE PORT,IEEE 802.3AT, TYPE 2 CLA					
Axis Communications	DIR-01752-004	$3,299.00	$2,559.28	1	$2,559.28
Q6075-E 60HZ IP CAM PTZ 1080PHDTV, OUTDOOR,40X OPT					
Axis Communications	DIR-5506-951	$219.00	$169.89	1	$169.89
T91G61 WALL MOUNT					
Axis Communications	DIR-5900-334	$159.00	$123.35	1	$123.35
T8134 MIDSPAN 60W					
Axis Communications	DIR-02315-001	$69.00	$53.53	1	$53.53
AXIS TU8001 ETHERNET SURGEPROTECTOR HELPS REDUCEDO					
Cambium	C058900B701A	$451.63	$451.63	1	$451.63
ePMP Bridge in a Box UHD 5 GHz					
Mier	BW-SL181610	$316.85	$316.85	1	$316.85
Indoor/Outdoor Electrical Enclosure, Non-Metallic,					
	MISC-HARDWARE		$951.04	1	$951.04
Miscellaneous Hardware					

Date:
4/18/2025

Quote:
[redacted]

Expiration Date:
5/18/2025

Manufacturer	MPN	MSRP	Unit Price	Quantity	Row Total
	MCA-SEC-IN-LABOR-R4		$134.78	21	$2,830.38
Initial Installation Labor					
	MCA-SEC-PM-LABOR-R4		$212.11	5	$1,060.55
Project Management Labor					
	MCA-SEC-IN-CONFIG-R4		$170.13	3	$510.39
Install Configuration Staging Programming					
PANDUIT	PUP6004YL-WLPZ	$1,178.56	$1,177.05	1	$1,177.05
PANDUIT PUP6004YL-WLPZ 23-4P UTP-CMP SOL BC CAT6 IP5 FEP/FRPVC YELLOW REELEX TX6000 LIMITED POWER					

Subtotal: $13,558.87

Date:
4/18/2025

Quote:
[redacted]

Expiration Date:
5/18/2025

System Investment

Purchase Price, Excluding Taxes:	**$13,558.87**
Estimated Taxes:	**$0.00**
Purchase Price, Including Taxes:	**$13,558.87**

Service Level Agreement

For this system we are proposing: SecurePlan with coverage for 36 Months

The proposal SecurePlan option is billed Annually at $1,539.84

I am interested in SecurePlan: _____
The terms and conditions of SecurePlan can be previewed at this link: LINK
A SecurePlan contract to be sent closer to the start date for signature.

IN SECURITY THERE ARE NO SECOND CHANCES.

A crisis is no time to discover system errors. That's why it's critical to your business to have full coverage with SecurePlan from MCA. SecurePlan is an exclusive program designed to match your growing security needs and ensure maximum uptime in a cost-effective manner. Superior to any warranty on the market. SecurePlan keeps you one step ahead of your overall security needs with proactive system issue resolution, guaranteed same-day response, and warranty device replacement, all backed by our "**Service First DNA**" culture. MCA is committed to a personal level of service and support. Here are eight critical reasons to consider SecurePlan:

PRIORITY DISPATCH WITH GUARANTEED SAME-DAY RESPONSE Only SecurePlan clients receive a priority dispatch with a guaranteed same-day service response. If you have requested a service call before noon on a regular business day and an MCA Service Technician fails to respond to your request on the same day, you'll receive a free month of SecurePlan.

LABOR AND TRAVEL COST DURING NORMAL BUSINESS HOURS IS INCLUDED Never receive surprise expenses with SecurePlan. From 8:00 am to 5:00 pm CST, the labor costs of repairs and replacement parts are included. This reduces your overhead costs and allows you to budget for a fixed amount.

SECUREPLAN PROVIDES A 10% DISCOUNT ON LABOR RATES What happens if your system needs service after-hours? Because service issues don't run on your schedule, this usually results in costly repairs and fees. However, as a SecurePlan customer, you will have the advantage of a 10% discount on emergency overtime service and system expansion additions.

DEVICE REPAIR OR REPLACEMENT SecurePlan covers normal wear and tear, so there is no need to worry about the cost of an expensive NVR or pan-tilt-zoom camera replacement. So whether you're in or out of warranty, SecurePlan ensures device repairs and replacement at no additional cost.

SYSTEM SOFTWARE UPGRADES AND LICENSE FEES Are you getting the latest software updates? What about manufacturer support and technical upgrades? Are there any subscription charges? SecurePlan includes all of these. No need to worry about the latest versions or the cost of an upgrade. MCA's SecurePlan does it for you!

FREE LOANER EQUIPMENT If your system experiences a malfunction, it may need to be repaired by the manufacturer. It is not uncommon for manufacturer repairs to take several weeks, or even a month. That's time you just can't afford to be without your security system. This is yet another example of why SecurePlan is superior to any warranty. While the equipment is off to get repaired, your system stays online with MCA's loaner equipment so you can have peace of mind.

ANNUAL FUNCTIONAL TESTS It is essential to keep your security system operating at peak performance. As a SecurePlan customer, you'll receive annual visits to your business by our trained professionals to review the system and test its overall functionality. If repairs are required, MCA will provide, at no additional charge, repairs to the system and the equipment; we'll even test the batteries and replace them at no additional cost. However, SecurePlan repairs exclude vandalism, tampering, or services performed by persons other than MCA personnel.

NO SURPRISE EXPENSES How do you eliminate costly surprise service expenses? With SecurePlan, take advantage of MCA's exclusive priority dispatch, guaranteed same-day response (if a service call is placed by noon on a business day), annual functional tests, and free loaner equipment. Working together to protect you and your budget from the unexpected, SecurePlan provides clients with much more than a "simple warranty". Because when it comes to security, there are no second chances.

Payment Terms

Payment Terms:

Except as provided below, all contracted services require payment in full, due upon receipt of invoice. Installation contracts or services in excess of $5,000 require:

1. 30% down payment.
2. 100% payment of stored materials upon receipt at MCA's warehouse. Inspection of billed products by Customer at MCA's warehouse will be permitted
3. Progress labor billing will occur each month based upon the percentage of completion of whole project up to 90% of total labor charges.
4. Final charges will be billed upon final completion of the job. All billings shall be net due upon receipt of invoice.

Customer is responsible for all taxes; except if the Customer represents that it is tax exempt under sections 501(a) and 501(c) of the Internal Revenue Code of the United States, and under the applicable laws of any State due any tax. If Customer represents that all sales, use or business taxes or personal property taxes and all fees imposed by municipal, state, and/or federal authorities in connection with the systems and services to be performed or sold by MCA are tax exempt, then Customer agrees to hold MCA harmless from and to indemnify MCA against any of the foregoing charges if the exempt status is incorrect, discontinued, or modified.

Assumptions:

MCA’s proposal is based on the basic investigation of your site together with the available information provided. MCA’s goal is to provide the system solution desired; however, MCA reserves the right to make adjustments should we discover that material facts or circumstances relating to the project or specification have been omitted or inadvertently missed at the time of project design, engineering, or during the installation. All adjustments will be formally documented on a revised MCA proposal document if the job has not commenced; or a MCA “Additional Work Authorization” or “Change Order” document if the adjustments are discovered after the work has begun. These documents will be presented for your review and approval.

Post-Installation Service and Support:

Each item of equipment purchased under this agreement is covered by the manufacturer’s warranty. MCA’s sole warranty is for its labor which is warranted for 90 days on new equipment and services. Warranty will begin upon completion of the installation, or at a time where “beneficial use” of the system occurs; or of any of its’ component sub-systems. Upon request, MCA can also provide a customized maintenance plan that fits the customers application and budget. Our value-added service maintenance plans can include all parts and labor to correct system failures, as well as a preventative maintenance program to minimize system downtime.

Customer Acceptance

IN WITNESS WHEREOF, the Parties hereto execute and accept this proposal and agree to be bound by all parts, including the terms and conditions, which together form the complete agreement (hereinafter the “Agreement”) between the Parties. The terms and conditions are incorporated by reference as fully set forth herein and available at Terms and Conditions (the “Terms”). This Agreement is in effect on the date proposal is signed. Customer agrees that it has read the Terms prior to customer’s acceptance of this proposal. MCA hereby reserves the right to amend the Terms from time to time and without notice to Customer. This Agreement shall not be binding to MCA unless approved in writing by an Authorized Signer of MCA. In the event of non- approval, the sole liability of MCA shall be to refund to buyer the deposit amount that has been paid to MCA by Customer.

Agree to MCA's Terms

Agree to Other Terms: _____

MCA Location

Mobile Communications America, Inc.
4509 Freidrich Lane
Suite 110
Austin TX 78744
(512) 892-8801
United States

Delivery Address

Williamson County - North Campus Facilities
16678 Williamson County North Campus Facilities
Attn: Dwayne Grossett
3151 SE Inner Loop
Georgetown Texas 78626
(512) 943-1636
United States

Billing Address

Accounts Payable
Williamson County - North Campus Facilities
3151 SE Inner Loop
Georgetown Texas 78626
(512) 943-1636
United States

Seller

_____
MCA Representative

_____
Title

_____
Approved MCA Authorized Signer

Customer

_____
Printed Name

_____
Title

_____
Signature Authorized Signer Date

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1314181

Date Filed:
05/22/2025

Date Acknowledged:
05/23/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Mobile Communications America, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

2025168
Security Camera Upgrade at Fleet/Impound Yard

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1314181

Date Filed:
05/22/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Mobile Communications America, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

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2025168
Security Camera Upgrade at Fleet/Impound Yard

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is Patrick Stevenson, and my date of birth is [redacted].

My address is [redacted], [redacted]
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Bastrop County, State of Texas, on the 23 day of May (month), 20 25 (year).

Patrick Stevenson

Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **20.**

Meeting Date: 06/10/2025

Authorize Issuing Advertisement for RFI #25RFI62 Enterprise Asset Mangement (EAM) System Selection

Submitted For: Joy Simonton **Submitted By:** Barbi Hageman, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for Request for Information (RFI) Enterprise Asset Management (EAM) System Selection under RFI #25RFI62.

Background

Williamson County is requesting information for a Countywide platform regarding system development, implementation, software and support for an Enterprise Asset Management (EAM) system. The primary purpose of the Request for Information (RFI) is to gather information about products or services in order to elevate the awareness of current EAM platforms and related functional and technical capabilities among County stakeholders. It is suggested that respondents highlight actual examples of leading-edge capabilities that have benefited comparable public sector organizations, specifically transportation, drainage, parks, and building facility assets. Origination # 2763. The point of contact is Richard Semple.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/03/2025 01:35 PM
County Judge Exec Asst.	Delia Colon	06/03/2025 03:00 PM
Form Started By: Barbi Hageman		Started On: 05/28/2025 10:19 AM
Final Approval Date: 06/03/2025		

Commissioners Court - Regular Session **21.**

Meeting Date: 06/10/2025

Approval of Service and Goods Agreement with Links Communications, Inc. for Information Services

Submitted For: Joy Simonton **Submitted By:** Sandra Malcolm, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the Service and Goods Agreement #2025259 between Williamson County and Links Communications, Inc. to provide and install cabling for additional WI-FI access points in the Administration area of the Juvenile Justice Center at 200 Wilco Way, Georgetown, TX 78626, in the amount of $3,268.00, authorizing the execution of the service agreement and exempting the purchase from competitive bidding through Local Government Code 262.024 (7)(A)(c) electric, gas, power, water or utility service.

Background

This service and goods agreement will benefit Williamson County by providing and installing new Wi-Fi access points in the Administration area at the Juvenile Justice Center. The cabling work in this proposal will allow for additional Wi-Fi access points to be installed at five (5) locations. Each location will receive a new Cat6A cable, surface box, and patch cable. Links Communications, Inc. will provide all the networking equipment and installation for each of the additional access points. Links will terminate cables on the existing patch panel, install four (4) APs in the administration hallways and label and test the new cables. The funding source is 01.0100.0503.004100 for FY25 in the amount of $3,268.00. Origination #2884. The department's point of contact is Tammy McCulley.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Service Agreement and Quote

1295 Form

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 09:47 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 04:05 PM
Form Started By: Sandra Malcolm		Started On: 06/02/2025 01:12 PM
Final Approval Date: 06/04/2025		

WILLIAMSON COUNTY
SERVICES AND GOODS CONTRACT
LINKS COMMUNICATIONS, INC.
(Juvenile Detention Center Admin Wi-Fi)

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to the Texas Constitution, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS SERVICES AND GOODS CONTRACT (hereinafter "Contract") is made and entered into by and between **Williamson County, Texas** ("County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **Links Communications, Inc.** (hereinafter "Service Provider"), both of which are referred to herein as the parties. The County agrees to engage Service Provider as an independent contractor, to provide certain services described herein pursuant to the following terms, conditions, and restrictions:

I.

Services: Service Provider shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. Service Provider expressly acknowledges that he, she, or it is not an employee of the County. The service includes the work described in the attached Quote dated 5-28-2028 being marked as **Exhibit "A,"** which is incorporated herein.

Should the County choose to add services in addition to those described in **Exhibit "A,"** such additional services shall be described in a separate written amendment to this Contract wherein the additional services shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional services. Service Provider shall not begin any additional services and the County shall not be obligated to pay for any additional services unless a written amendment to this Contract has been signed by both parties.

Service Provider represents that Service Provider (including Service Provider's agents, employees, volunteers, and subcontractors, as applicable) possess all certifications, licenses, inspections, and permits required by law to carry out the services and work described in **Exhibit "A."** The Service Provider shall, upon written (including electronic) request, provide proof of valid licensure.

II.

Goods: Service Provider shall supply the County the goods described in Exhibit "A," provided to the extent it meets or exceeds the County's solicitation, if applicable.

Should the County choose to purchase goods in addition to those described in Exhibit "A,", such additional goods shall be described in a separate written amendment wherein the additional goods shall be described, and the parties shall set forth the amount of compensation to be paid by the County for the additional goods. Service Provider shall not provide any additional goods, and the County shall not be obligated to pay for any additional goods unless a written amendment has been signed by both parties.

III.

Effective Date and Term: This Contract shall be in full force and effect as of the date of the last party's execution below and shall continue until the Project Completion Date or when terminated pursuant to this Contract, whichever event occurs first. The Project Completion Date is defined as the date by which all services and obligations outlined in Exhibit "A" shall be fully performed and delivered to the satisfaction of the County. The parties acknowledge and agree that the Project Completion Date is initially set to be on or before June 30, 2025, however this date may be amended at the sole discretion of the County. Upon successful completion of the services as described in Exhibit "A", this contract shall automatically terminate without further obligation from either party, except as otherwise expressly provided herein.

IV.

Consideration and Compensation: Service Provider will be compensated based on a fixed sum as set out in **Exhibit "A"**. The not-to-exceed amount for the life of this contract shall be Three Thousand Two Hundred Sixty-Eight Dollars ($3,268.00).

Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date the County receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

The County is a political subdivision under the laws of the State of Texas and claims exemption from sales and use taxes under Tex. Tax Code Ann. §151.309, as amended. The County agrees to provide exemption certificates to Service Provider upon request. Likewise, the County is neither liable for any taxes, charges, or fees assessed against Service Provider for the supplies or products provided or any Services rendered.

V.

Insurance: Service Provider shall provide and maintain, until the services covered in this Contract is completed and accepted by the County, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to the County and name the County as an additional insured.

	Type of Coverage	**Limits of Liability**
a.	Worker's Compensation	Statutory
b.	Employer's Liability	
	Bodily Injury by Accident	$500,000 Ea. Accident
	Bodily Injury by Disease	$500,000 Ea. Employee
	Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability *(including premises, completed operations and contractual)*	$1,000,000	$1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits		No aggregate limit

Service Provider, as an independent contractor, meets the qualifications of an "Independent Contractor" under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, and must provide its employees, agents, and sub-subcontractors worker's compensation coverage. Contactor shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by the County.

Upon execution of this Contract, Service Provider shall provide the County with insurance certificates evidencing compliance with the insurance requirements of this Contract.

VI.

No Agency Relationship & Indemnification: It is understood and agreed that Service Provider shall not in any sense be considered a partner or joint venturer with the County, nor shall Service Provider hold itself out as an agent or official representative of the County. Service Provider shall be considered an independent contractor for the purpose of this Contract and shall in no manner incur any expense or liability on behalf of the County other than what may be expressly allowed under this Contract. The County will not be liable for any loss, cost, expense, or damage, whether indirect, incidental, punitive, exemplary, consequential of any kind whatsoever for any acts by Service Provider or failure to act relating to the services being provided.

VII.

INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, THE SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE SERVICE PROVIDER, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. SERVICE PROVIDER HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF SERVICE PROVIDER OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

VIII.

No Waiver of Sovereign Immunity or Powers: Nothing in this Contract will be deemed to constitute a waiver of sovereign immunity or powers of the County, the Williamson County Commissioners Court, or the Williamson County Judge.

Additionally, the parties agree that under the Constitution and laws of the State of Texas, the County cannot enter into an agreement whereby the County agrees to indemnify or hold harmless another party; therefore, all references of any kind to County defending, indemnifying, holding, or saving harmless Service Provider for any reason are hereby deleted.

IX.

Compliance With All Laws: Service Provider agrees and will comply with all local, state, or federal requirements with respect to the services rendered. Any alterations, additions, or deletions to the terms of the Contract that are required by changes in federal, state, or local law or regulations are automatically incorporated into the Contract without written amendment hereto and shall become effective on the date designed by such law or by regulation.

X.

Termination: This Contract may be terminated at any time at the option of either party, without future or prospective liability for performance, upon giving thirty (30) days written notice thereof.

XI.

Venue and Applicable Law: Venue of this Contract shall be Williamson County, Texas, and the laws of the State of Texas shall govern all terms and conditions.

XII.

Severability: In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision in this Contract and this Contract shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XIII.

Right to Audit: Service Provider agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Contract, have access to and the right to examine and photocopy any and all books, documents, papers and records of Service Provider which are directly pertinent to the services to be performed under this Contract for the purposes of making audits, examinations, excerpts, and transcriptions. Service Provider agrees that the County shall have access during normal working hours to all necessary Service Provider facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. The County shall give Service Provider reasonable advance notice of intended audits.

XIV.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this Contract.

XV.

No Assignment: Service Provider may not assign this Contract.

XVI.

Confidentiality: Service Provider expressly agrees that he or she will not use any incidental confidential information that may be obtained while working in a governmental setting for his or her own benefit, and agrees that he or she will not enter any unauthorized areas or access confidential information and he or she will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XVII.

Foreign Terrorist Organizations: Service Provider represents and warrants that it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152 of the Texas Government Code.

XVIII.

Public Information: Service Provider understands that County will comply with the Texas Public information Act as interpreted by judicial ruling and opinions of the Attorney General of the State of Texas. Information, documentation, and other material in connection with this Purchase Order or any resulting contract may be subject to public disclosure pursuant to the Texas Public Information Act.

XIX.

Damage to County Property: Service Provider shall be liable for all damage to county-owned, leased, or occupied property and equipment caused by Service Provider and its employees, agents, subcontractors, and suppliers, including any delivery, or transporting company, in connection with any performance pursuant to this Contract. Service Provider shall notify County in writing of any such damage within one (1) calendar day.

XX.

Media Releases: Service Provider shall not use County's name, logo, or other likeness in any press release, marketing materials, or other announcement without the County's prior written approval.

XXI.

Authorized Expenses: In the event County authorizes, in advance and in writing, reimbursement of non-labor expenses related to the services subject of this Contract, County will pay such actual non-labor expenses in strict accordance with the Williamson County Vendor Reimbursement Policy (as amended), which is incorporated into and made a part of this Contract by reference. The Williamson County Vendor Reimbursement Policy can be found at: WilliamsonCountyVendorReimbursementPolicyMarch2023.pdf (wilco.org). Invoices requesting

reimbursement for authorized non-labor expenses must be accompanied by copies of the provider's invoice and clearly set forth the actual cost of the expenses, without markup.

XXII.

Entire Contract & Incorporated Documents; Conflicting Terms: This Contract constitutes the entire Contract between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated into this Contract include the following:

A. As described in the attached Quote dated 5-28-2025, marked as **Exhibit "A"**;
B. Insurance certificates evidencing coverages required herein above and
C. Any Amendments agreed to by both parties.

The County reserves the right and sole discretion to determine the controlling provisions where there is any conflict between the terms of this Contract and the terms of any other purchase order(s), contract(s) or any document attached hereto as exhibits relating to the services and goods subject of this Contract.

XXIII.

County Judge or Presiding Officer Authorized to Sign Contract: The presiding officer of the County's governing body who is authorized to execute this instrument by order duly recorded may execute this Contract on behalf of the County.

WITNESS that this Contract shall be effective as of the date of the last party's execution below.

WILLIAMSON COUNTY:

_____
Authorized Signature

Hon. Steven Snell
County Judge/Presiding Officer

Date: _____, _____ 20___

LINKS COMMUNICATIONS, INC.:

Authorized Signature

Ronnie Lomax
Printed Name

Date: Jun 2, 2025

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: Jun 02 2025 Time: 1:27 pm

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: Jun 02 2025 Time: 12:16 pm

Exhibit “A”
Quote dated 5-28-2025

LINKS
COMMUNICATIONS, INC.

PO BOX 1455
Georgetown, Texas 78627

Phone: 512-930-5580
rlomax@linkscommunications.com

5-28-2025

Williamson county ITS
Inner loop
Georgetown TX

Juvenile detention Center Admin Wi-Fi

Install 1 cat6A cable to 5 locations

Install surface box at each location

Install patch cable at each location

Terminate cables on existing patch panel

Install 4 AP s in admin area hallways

Connection to network by Wilco IT

Label and test cables

Installed price $3268.00

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1318172

Date Filed:
06/02/2025

Date Acknowledged:
06/02/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Links communications Inc
Georgetown, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

2025259
data cabling

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Lomax, Ronald	Georgetown, TX United States	X	
Lomax, Tracey	Georgetown, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1318172

Date Filed:
06/02/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Links communications Inc
Georgetown, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
2025259
data cabling

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Lomax, Ronald	Georgetown, TX United States	X	
Lomax, Tracey	Georgetown, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is Ronnie Lomax, and my date of birth is [redacted].

My address is [redacted]
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Williamson County, State of TX, on the 2 day of June (month), 20 25 (year)

R Lomax
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **22.**

Meeting Date: 06/10/2025

Approval of the Agreement #2025261 for Construction Services No. 2025261 with Falkenberg Construction Co., Inc. for the CTTC Kitchen Remodel for Facilities Management

Submitted For: Joy Simonton **Submitted By:** Michelle McKinney, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the Construction Service Agreement No. 2025261 between Williamson County and Falkenberg Construction Co., Inc. for the CTTC Kitchen Remodel in the not-to-exceed amount of Fifty-Five Thousand Nine Hundred Four Dollars and seven cents ($55,904.07) pursuant to BuyBoard's Cooperative Contract #728-24 and authorize execution of the agreement.

Background

This Agreement for Construction Services between Williamson County and Falkenberg Construction Co., Inc. is for the CTTC Kitchen Remodel located at 601 Alligator Rd., Granger, TX 76530. Contract Audit and General Counsel reviewed. A detailed Scope of Work is attached. The funding source is 01.0100.1042.004509 and the point of contact is Christy Matoska.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Construction Service Agreement

Form 1295 Falkenberg Construction Co. Inc. Complete

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 09:03 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 09:08 AM
Form Started By: Michelle McKinney		Started On: 06/02/2025 04:15 PM
Final Approval Date: 06/04/2025		

Docusign Envelope ID: 4FE532F4-AC20-41B1-AB35-2BD7161740EB

Agreement for Construction Services

(Cooperative Contract #BuyBoard 728-24)

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and Falkenberg Construction Co., Inc. ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 SCOPE OF WORK: The Owner desires to retain Contractor for the construction of CTTC Kitchen Remodel (hereinafter called the "Project"). The Contractor shall have the overall responsibility for and shall provide complete construction services and furnish all materials, equipment, tools and labor as necessary or reasonably inferable to complete the Project, or any phase of the Project, in accordance with the Owner's requirements and the terms of this Agreement (hereinafter collectively referred to as the "Work").

ARTICLE 2 CONTRACT PRICE: Owner agrees to pay to the Contractor, for the satisfactory performance of the Work, the sum of **Fifty-Five Thousand Nine Hundred Four Dollars and seven cents ($55,904.07)** in accordance with the terms and conditions of this Agreement.

ARTICLE 3 PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the plans and specifications attached hereto as **Exhibit "A"**, as well as any revisions made thereto.

ARTICLE 4 CONTRACT TIME:

4.1 Contractor shall commence the Work upon instruction to do so from the Owner and shall achieve Substantial Completion within **ninety (90) calendar days** from the date the Work is commenced; provided, however, Owner may extend said time period in the event bad weather affects the progress of the Work. Unless otherwise specified in writing, Contractor shall achieve Final Completion within **thirty (30) calendar days of Substantial Completion**. Owner shall determine when the Project has been fully and finally completed to its satisfaction. The time set forth for completion of the work is an essential element of the Agreement.

4.2 Liquidated Damages.

Contractor acknowledges and recognizes that Owner is entitled to full and beneficial occupancy and use of the completed Work following expiration of the Contract Time and that Owner has entered into, or will enter into, binding agreements upon Contractor's achieving Substantial Completion of the Work within the Contract Time. Contractor further acknowledges and agrees

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that if Contractor fails to complete substantially or cause the Substantial Completion of any Phase of the Work within the Contract Time, Owner will sustain extensive damages and serious loss as a result of such failure. In the cases of missed scheduled events, which incur exact losses of revenue and exact expenses for fees and other cancellation costs, Contractor shall be responsible for the exact amount of damages sustained by Owner. In other cases, the exact amount of such damages will be extremely difficult to ascertain. Therefore, Owner and Contractor agree as set forth below:

4.2.1 Subject to the other terms and conditions herein, if Substantial Completion is not achieved by the date specified above or by such date to which the Contract Time may be extended, the Contract Price shall be reduced by **Five Hundred Dollars ($500.) per calendar day** as liquidated damages and not as a penalty, until the date of Substantial Completion. Force majeure shall apply relative to both rain/snow delays (acts of nature) and/or supply delays over which Contractor has no control, and such force majeure delays shall not be subject to such reduction of the Contract Price.

4.2.2 Owner may deduct liquidated damages described herein from any unpaid amounts then or thereafter due Contractor under this Agreement. Any liquidated damages not so deducted from any unpaid amounts due Contractor shall be payable by Contractor to Owner at the demand of Owner, together with the interest from the date of the demand at a rate equal to the prime interest rate as published by the Wall Street Journal on the **first (1st) business day** after such amounts are demanded.

4.2.3 Notwithstanding anything to the contrary in this Agreement, if Owner is unable to recover any portion of liquidated damages in accordance with the terms and conditions herein because it is found to be unenforceable or invalid as a penalty or otherwise, then, Owner shall be entitled to recover from Contractor all of Owner's actual damages in connection with the failure by Contractor to achieve Substantial Completion of the Work within the Contract Time, including, without limitation, direct, indirect, or consequential damages.

ARTICLE 5 PAYMENT:

5.1 Schedule Of Values

Contractor shall submit to the Owner, before the first Application for Payment, a schedule of values allocating the entire Contract Price to the various portions of the Work and prepared in such form and supported by such data to substantiate its accuracy as the Owner may require. This schedule, unless objected to by the Owner, shall be used as a basis for reviewing the Contractor's Applications for Payment.

5.2 Applications For Payment

5.2.1 Contractor shall submit to the Owner an itemized Application for Payment prepared in accordance with the schedule of values for completed portions of the Work. Such application shall be notarized, if required, and supported by such data substantiating the Contractor's right to payment as the Owner may require, such as copies of requisitions from

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subcontractors and material suppliers and shall reflect retainage if provided for in the Agreement.

5.2.1.1 Such applications may include requests for payment on account of changes in the Work that have been properly authorized by written Change Orders.

5.2.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a subcontractor or material supplier unless such Work has been performed by others whom the Contractor intends to pay.

5.2.1.3 If requested by Owner or required elsewhere in the Agreement, each Application for Payment shall be accompanied by the following, all in a form and substance satisfactory to the Owner:

a. With each Application for Payment: a current Sworn Statement from the Contractor setting forth all subcontractors and all material suppliers with whom the Contractor has subcontracted, the amount of each such subcontract, the amount requested for any subcontractor or material supplier in the Application for Payment, and the amount to be paid to the Contractor from such progress payment;
b. With each Application for Payment: a duly executed Conditional Waiver and Release on Progress Payment from the Contractor and subcontractors establishing receipt of payment or satisfaction of the payment requested by the Contractor in the current Application for Payment;
c. Commencing with the second Application for Payment submitted by the Contractor, a duly executed Unconditional Waiver and Release on Progress Payment from Contractor and all subcontractors, material suppliers and, where appropriate, lower tier subcontractors that have billed more than five thousand dollars ($5,000) on a single application of payment, establishing receipt of payment or satisfaction of payment of all amounts requested on behalf of such entities and disbursed prior to submittal by the Contractor of the current Application for Payment;
d. With the Final Application for Payment: Contractor shall submit a Conditional Waiver and Release on Final Payment as required by Texas Property Code, §53.284. Upon receipt of final payment, Contractor shall submit an Unconditional Waiver and Release on Final Payment as required by Texas Property Code, §53.284; and
e. Such other information, documentation, and materials as the Owner, or the title insurer (if any) may require in order to ensure that Owner's property is free of lien claims. Such other documents may include, without limitation, original copies of lien or bond claim releases suitable for filing with the County Clerk in Williamson County, Texas.

5.2.2 Unless otherwise provided in the Agreement, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing.

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Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage and transportation to the site for such materials and equipment stored off the site.

5.2.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information and belief, be free and clear of liens, bond claims, claims, security interests or encumbrances in favor of the Contractor, subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials and equipment relating to the Work.

5.2.3.1 The Contractor further expressly undertakes to defend Owner, at the Contractor's sole expense, against any actions, lawsuits, or proceedings brought against Owner as a result of liens filed against the Work, the site of any of the Work, the Project site and any improvements thereon, or any portion of the property of any of Owner (referred to collectively as "liens" in this paragraph), provided the Owner has paid Contractor pursuant to the requirements of the Agreement. The Contractor hereby agrees to indemnify and hold Owner harmless against any such liens or claims of lien and agrees to pay any judgment or lien resulting from any such actions, lawsuits, or proceedings.

5.2.3.2 The Owner shall release any payments withheld due to a lien or bond claims if the Contractor obtains security acceptable to the Owner, however, the Contractor shall not be relieved of any responsibilities or obligations under this paragraph, including, without limitation, the duty to defend and indemnify Owner.

5.2.3.3 Retainage. The Owner shall withhold from each progress payment, as retainage, five percent (5%) of the total earned amount. Retainage so withheld shall be managed in conformance with Texas Government Code, Chapter 2252, Subchapter B. Any request for reduction or release of retainage shall be accompanied by written consent of the Contractor's Surety. No such request shall be made until the Contractor has earned at least sixty-five percent (65%) of the total Contract Price.

5.2.3.4 For purposes of Texas Government Code, §2251.021 (a)(2), the date the performance of service is completed is the date when the Owner's representative approves the Application for Payment.

5.3 Certificates For Payment

5.3.1 The Owner will, within seven (7) business days after receipt of the Contractor's Application for Payment, issue a Certificate for Payment, with a copy to the Contractor, for such amount as the Owner determines is properly due, or notify the Contractor in writing of the Owner 's reasons for withholding certification in whole or in part as provided.

5.3.2 The issuance of a Certificate for Payment will constitute a representation by the Owner, based

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on the Owner's evaluation of the Work and the data comprising the Application for Payment, that, to the best of the Owner's knowledge, information and belief, the Work has progressed to the point indicated and that the quality of the Work is in accordance with the Agreement. The foregoing representations are subject to an evaluation of the Work for conformance with the Agreement upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Agreement prior to completion and to specific qualifications expressed by the Owner. The issuance of a Certificate for Payment will further constitute a representation that the Contractor is entitled to payment in the amount certified. However, the issuance of a Certificate for Payment will not be a representation that the Owner has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work, (2) reviewed construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from subcontractors and material suppliers and other data requested by the Owner to substantiate the Contractor's right to payment, or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Price.

5.4 Decisions To Withhold Certification

5.4.1 The Owner may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Owner's opinion the representations to the Owner required herein cannot be made. If the Owner is unable to certify payment in the amount of the Application, the Owner will notify the Contractor. If the Contractor or Contractor and Owner, as the case may be, cannot agree on a revised amount, the Owner will promptly issue a Certificate for Payment for the amount that can be certified. The Owner may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Owner's opinion to protect the Owner from loss for which the Contractor is responsible because of:

5.4.1.1 defective Work not remedied;
5.4.1.2 third party claims filed or reasonable evidence indicating probable filing of such claims;
5.4.1.3 failure of the Contractor to make payments properly to subcontractors or for labor, materials or equipment;
5.4.1.4 reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Price;
5.4.1.5 damage to the Owner or a separate contractor;
5.4.1.6 failure to maintain the scheduled progress, or reasonable evidence that the Work will not be completed within the Contract Time;
5.4.1.7 failure to comply with the requirements of Texas Government Code, Chapter 2258 (Prevailing Wage Law);
5.4.1.8 failure to include sufficient documentation to support the amount of payment requested for the Project;
5.4.1.9 failure to obtain, maintain, or renew insurance coverage, payment/performance

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bonds or warranty bond required by the Agreement; or

5.4.1.10 repeated failure to carry out the Work in accordance with the Agreement.

5.4.2 When the above reasons for withholding certification are removed, certification will be made for amounts previously withheld.

5.5 Progress Payments

5.5.1 The Owner shall make payment in the manner and within the time provided in the Agreement and in accordance with Texas Government Code, Chapter 2251.

5.5.2 The Contractor shall pay each subcontractor and material and equipment suppliers no later than ten (10) calendar days after receipt of payment from the Owner the amount to which the subcontractor or material and equipment suppliers is entitled. Payments to subcontractors may reflect the percentages actually retained from payments to the Contractor on account of the subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each subcontractor, require each subcontractor to make payments to Sub-subcontractors in a similar manner.

5.5.3 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid subcontractors and material and equipment suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven (7) calendar days, the Owner shall have the right to contact subcontractors to ascertain whether they have been properly paid. The Owner shall not have an obligation to pay or to see to the payment of money to a subcontractor, except as may otherwise be required by law.

5.5.4 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Agreement.

5.6 Failure Of Payment

5.6.1 If the Owner is required to issue Certificates for Payment and, through no fault of the Contractor, the Owner fails to timely issue Certificates for Payment in the time permitted in the Agreement, or if the Owner does not pay the Contractor by the date established in the Agreement, then the Contractor may, upon twenty-one (21) business days written notice to the Owner, stop the Work until payment of the amount owing has been received.

5.6.2 If the Owner is entitled to reimbursement or payment from the Contractor under or pursuant to the Agreement, such payment shall be made promptly upon demand by the Owner. Notwithstanding anything contained in the Agreement to the contrary, if the Contractor fails to promptly make any payment due the Owner, or if the Owner incurs any costs and expenses to cure any default of the Contractor or to correct defective work, the Owner shall have an absolute right to offset such amount against the Contract Price and may, in the Owner's sole discretion, elect either to (1) deduct an amount equal to that which the Owner is entitled from

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any payment then or thereafter due the Contractor from the Owner, or (2) issue a written notice to the Contractor reducing the Contract Price by an amount equal to that which the Owner is entitled.

5.7 Substantial Completion

5.7.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Agreement so that the Owner can occupy or utilize the Work for its intended use; provided, however, that as a condition precedent to Substantial Completion, the Owner has received all certificates of occupancy and any other permits, approvals, licenses, and other documents from any governmental authority having jurisdiction thereof necessary for the beneficial occupancy of the Project.

5.7.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Owner a comprehensive list of items to be completed or corrected prior to final payment (punch list). Failure to include an item on the punch list does not alter the responsibility of the Contractor to complete all Work in accordance with the Agreement.

5.7.3 Upon receipt of the Contractor's punch list, the Owner will examine the Work to determine whether the Work or designated portion thereof is substantially complete. If the Owner's examination discloses any item, whether or not included on the Contractor's punch list, that is not sufficiently complete in accordance with the Agreement, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Owner. In such case, the Contractor shall then submit a request for another examination by the Owner to determine Substantial Completion.

5.7.4 When the Work or designated portion thereof is substantially complete, the Owner will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion, shall establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance, and shall fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Unless otherwise provided, Contractor shall complete all items on the punch list within thirty (30) calendar days of Substantial Completion. Warranties required by the Agreement shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

5.7.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in such Certificate of Substantial Completion. Upon such acceptance and consent of surety, if any, the Owner shall make payment of retainage.

5.8 Partial Occupancy or Use

5.8.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor,

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provided such occupancy or use is consented to by the insurer, the surety, and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Agreement. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Owner as provided herein. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld.

5.8.2 Immediately prior to partial occupancy or use, the Owner and Contractor shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

5.8.3 Partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Agreement.

5.9 Final Completion and Final Payment

5.9.1 Upon receipt of the Contractor's written notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Owner will make such inspection and, when the Owner finds the Work acceptable under the Agreement and the Agreement fully performed, the Owner will issue a final Certificate for Payment for the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. All warranties and guarantees required under or pursuant to the Agreement shall be assembled and delivered by the Contractor to the Owner as part of the final Application for Payment. The final Certificate for Payment will not be issued by the Owner until all warranties and guarantees have been received and accepted by the Owner.

5.9.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Owner (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work have been paid or otherwise satisfied, within the period of time required by Texas Government Code, Chapter 2251, (2) a certificate evidencing that insurance required by the Agreement to remain in force after final payment is currently in effect and will not be canceled or allowed to expire until at least thirty (30) business days prior written notice has been given to the Owner, (3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Agreement, (4) consent of surety to final payment, (5) a warranty bond in a form acceptable to Owner, and (6) other data establishing payment or satisfaction of obligations, such as receipts, unconditional full and final releases and waivers of liens, claims, security interests or encumbrances arising out of the Agreement, to the extent and in such form as may be designated by the Owner.

5.9.3 Acceptance of final payment by the Contractor, a subcontractor or material supplier shall constitute a waiver of claims by that payee except those previously made in writing and

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identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 6 CONTRACTOR'S GENERAL RESPONSIBILITIES AND COVENANTS:

6.1 Contractor shall render, diligently and competently in accordance with the highest standards used in the profession, all Contractor services which shall be necessary or advisable for the expeditious, economical and satisfactory completion of the Project. Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations and to further the interests of Owner in accordance with Owner's requirements and procedures.

6.2 Contractor's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Owner nor shall the Contractor be released from any liability by reason of such approval by the Owner, it being understood that the Owner at all times is ultimately relying upon the Contractor's skill and knowledge in performing the services required hereunder.

6.3 Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

6.4 Contractor shall be responsible for all construction means, methods, techniques, sequences and procedures, and for coordinating all portions of the Work. The Contractor shall keep the Owner informed of the progress and quality of the Work.

6.5 Insurance. Contractor shall carry insurance in the types and amounts indicated below for the duration of the Agreement, which shall include items owned by Owner in the care, custody and control of Contractor prior to and during construction. Contractor must also complete and file the declaration pages from the insurance policies with Owner whenever a previously identified policy period expires during the term of the Agreement, as proof of continuing coverage. Contractor shall update all expired policies prior to submission of any payment requests hereunder. Failure to update policies shall be reason for payment to be withheld until evidence for renewal is provided to the Owner. If the Contractor fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner. All policies of insurance provided by the Contractor must comply with the requirements set forth herein, the Agreement and the laws of the State of Texas.

6.5.1 The Contractor shall provide and maintain, until the Work covered in the Agreement is completed and accepted by the Owner, the minimum insurance coverages in the minimum amounts as described below.

	Type of Coverage	Limits of Liability
.1	Worker's Compensation	Statutory

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.2 Employer's Liability

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

.3 Commercial general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER OCCURRENCE
Commercial General Liability (including premises, completed operations and contractual)	$1,000,000
Aggregate policy limits:	$2,000,000

.4 Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits	No aggregate limit	

.5 Builder's Risk Insurance (all-risks)

An all-risk policy, in the amount equal at all times to 100% of the Contract Price. The policy shall include coverage for loss or damage caused by certified acts of terrorism as defined in the Terrorism Risk Insurance Act. The policy shall be issued in the name of the Contractor and shall name its Subcontractors as additional insureds. The Owner shall be named as a loss payee on the policy. The builders risk policy shall have endorsements as follow:

a. This insurance shall be specific as to coverage and not considered as contributing insurance with any permanent insurance maintained on the present premises. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

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b. For renovation projects and or portions of work contained within an existing structure, the Owner waives subrogation for damage by fire to existing building structure(s), if the Builder's Risk Policy has been endorsed to include coverage for existing building structure(s) in the amount described in the Special Conditions. However, Contractor shall not be required to obtain such an endorsement unless specifically required by the Special Conditions, if any. The aforementioned waiver of subrogation shall not be effective unless such endorsement is obtained.

.6. Flood insurance when specified in Supplementary General Conditions or Special Conditions.

.7 Umbrella coverage in the amount of not less than $5,000,000.

6.5.2 Workers' Compensation Insurance Coverage:

1. Definitions:

(a) Certificate of coverage ("certificate") - A copy of a certificate of insurance, a certificate of authority to self-insure issued by the Texas Workers' Compensation Commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the Project.
(b) Duration of the Project - includes the time from the beginning of the work on the Project until the Contractor's/person's work on the Project has been completed and accepted by the Owner.
(c) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).
(d) Persons providing services on the Project ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform on the Project, regardless of whether that person contracted directly with the Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the Project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the Project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

2. The Contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, §401.011(44) for all employees of the Contractor providing services on the Project, for the duration of the Project.

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3. The Contractor must provide a certificate of coverage prior to execution of the Agreement/Contract, and in no event later than ten (10) days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.
4. If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the Project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the Owner showing that coverage has been extended.
5. The Contractor shall obtain from each person providing services on a project, and provide to the Owner:

   (a.) a certificate of coverage, prior to that person beginning work on the Project, so the Owner will have on file certificates of coverage showing coverage for all persons providing services on the Project; and
   (b.) no later than seven days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the Project.

6. The Contractor shall retain all required certificates of coverage for the duration of the Project and for one year thereafter.
7. The Contractor shall notify the Owner in writing by certified mail or personal delivery, within 10 days after the Contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the Project.
8. The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the Project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

9. The Contractor shall contractually require each person with who it contracts to provide services on a project, to:

   (a) provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas labor Code, Section 401.011(44) for all of its employees providing services on the Project, for the duration of the Project;
   (b) provide to the Contractor, prior to that person beginning work on the Project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the Project, for the duration of the Project;
   (c) provide the Contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the Project;
   (d) obtain from each other person with whom it contracts, and provide to the Contractor:

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i. a certificate of coverage, prior to the other person beginning work on the Project; and

ii. a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the Project;

(e) retain all required certificate of coverage on file for the duration of the Project and for one year thereafter;

(f) notify the Owner in writing by certified mail or personal delivery, within 10 days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the Project; and

(g) contractually require each person with whom it contracts, to perform as required by paragraphs (a)-(g), with the certificates of coverage to be provided to the person for whom they are providing services.

10. By signing the Agreement/Contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the Owner that all employees of the Contractor who will provide services on the Project will be covered by workers' compensation coverage for the duration of the Project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the Commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

11. The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the Owner to declare the Agreement/Contract void if the Contractor does not remedy the breach within ten days after receipt of notice of breach from the Owner.

6.5.3 If insurance policies are not written for the amounts specified herein, Contractor shall carry Umbrella or Excess Liability Insurance for any differences in amounts specified. If Excess Liability Insurance is provided, it shall follow the form of primary coverage.

6.5.4 Insurance coverage required hereunder shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company, or otherwise acceptable to Owner.

6.5.5 **The Owner ("Williamson County, Texas"), its officials, employees and volunteers shall be named as an additional insured on all required policies.** These insurance policies shall contain the appropriate additional insured endorsement signed by a person authorized by that insurer to bind coverage on its behalf.

6.5.6 The furnishing of the above listed insurance coverage, as may be modified by the Agreement, must be tendered prior to execution of the Agreement/Contract, and in no event

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later than ten (10) days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.

6.5.7 Owner reserves the right to review the insurance requirements set forth herein during the Agreement and to make reasonable adjustments to the insurance coverage and their limits when deemed necessary and prudent by the Owner based upon changes in statutory law, court decisions, or the claims history of the industry as well as the Contractor.

6.5.8 Owner shall be entitled, upon request, and without expense, to receive complete copies of the policies with all endorsements and may make any reasonable requests for deletion, or revision or modification of particular policy terms, conditions, limitations, or exclusions, except where policy provisions are established by law or regulation binding upon the Parties or the underwriter of any of such polices. Damages caused by the Contractor and not covered by insurance shall be paid by the Contractor.

6.5.9 Contractor shall be responsible for payment of premiums for all of the insurance coverages required hereunder. Contractor further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Contractor is responsible hereunder, Contractor shall be solely responsible for all deductibles and self-insured retentions. Any deductibles or self-insured retentions over $75,000 in the Contractor's insurance must be declared and approved in writing by Owner in advance.

6.5.10 Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with every insurance requirement that Contractor must comply with hereunder. More specifically, each person or entity with whom Contractor contracts to provide services on the in relation to the Work must comply with each insurance requirement hereunder just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement hereunder shall mean and include each person or entity with whom Contractor contracts to provide services in relation to the Work. If any such person or entity with whom Contractor contracts to provide services in relation to the Work fails to obtain, maintain or renew any insurance required by this Agreement, Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

ARTICLE 7 INDEMNITY:

7.1 INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, Contractor SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF CONTRACTOR, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE PROJECT SITE

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OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OR THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF CONTRACTOR OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

7.2 Except for the obligation of Owner to pay Contractor the Contract Price pursuant to the terms of this Agreement, and to perform certain other obligations pursuant to the terms and conditions explicitly set forth herein, Owner shall have no liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement. Notwithstanding any obligation or liability of Owner to Contractor, no present or future partner or affiliate of Owner or any agent, officer, director, or employee of Owner, or of the various departments comprising Owner, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 8 WARRANTY:

8.1 Contractor hereby warrants that the materials and equipment provided for the Work will be of good quality and new unless otherwise required or permitted by the Owner; that the construction will be free from faults and defects; and that the construction will conform with the requirements of the plans, specifications, drawings and the terms of this Agreement.

8.2 Contractor shall provide warranty services for the Work for a **full twelve (12) months** following Final Completion and final payment. Just before the warranty period expires, Contractor shall attend an on-site meeting with the Owner to ensure that all warranty issues have been identified and properly remedied.

ARTICLE 9 PREVAILING WAGE RATE:

9.1 Duty to Pay Prevailing Wage Rates. The Contractor shall pay not less than the wage scale of the various classes of labor as shown on the "Prevailing Wage Schedule", as defined below. The specified wage rates are minimum rates only, and are not representations that qualified labor adequate to perform the Work is available locally at the prevailing wage rates. The Owner is not bound to pay—and will not consider—any claims for additional compensation made by any

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Contractor because the Contractor pays wages in excess of the applicable minimum rate contained in the Agreement. The "Prevailing Wage Schedule" is not a representation that quantities of qualified labor adequate to perform the Work may be found locally at the specified wage rates.

9.1.2 For classifications not shown, workers shall not be paid less than the wage indicated for Laborers. The Contractor shall notify each worker commencing work on the Project of the worker's job classification and the established minimum wage rate required to be paid, as well as the actual amount being paid. The notice must be delivered to and signed in acknowledgement of receipt by the employee and must list both the monetary wages and fringe benefits to be paid or furnished for each classification in which the worker is assigned duties. When requested by Owner, competent evidence of compliance with the Texas Prevailing Wage Law shall be furnished by Contractor.

9.1.3 A copy of each worker wage rate notification shall be submitted to the Owner with the Application for Payment for the period during which the worker began on-site activities.

9.2 Prevailing Wage Schedule. Pursuant to Texas Government Code Section 2258.022(2), the general prevailing rate of per diem wages for each craft or type of worker needed to execute the Contract and the prevailing rate for legal holiday and overtime work shall be the most recent prevailing wage rate for Williamson County, Texas for building construction as determined by the United States Department of Labor in accordance with the Davis-Bacon Act (40 U.S.C. Section 276a et seq.), and its subsequent amendments, which are published and can be obtained online at https://sam.gov/search/?index=dbra (the "Prevailing Wage Schedule"). Should the Contractor at any time become aware that a particular skill or trade not reflected on the Prevailing Wage Schedule will be or is being employed in the Work, whether by the Contractor or by a subcontractor, the Contractor shall promptly inform the Owner and shall specify a wage rate for that skill or trade, which shall bind the Contractor.

9.3 Penalty for Violation. The Contractor and any Subcontractor shall pay to the Owner a penalty of sixty dollars ($60.00) for each worker employed for each calendar day, or portion thereof, that the worker is paid less than the wage rates stipulated in the Prevailing Wage Schedule or any supplement or update thereto pursuant to previsions above. The Contractor and each Subcontractor shall keep, or cause to be kept, an accurate record showing the names and occupations of all workers employed in connection with the Work, and showing the actual per diem wages paid to each worker, which records shall be open at all reasonable hours for the inspection by the Owner.

9.4 Complaints of Violations of Prevailing Wage Rates. Within thirty-one (31) days of receipt of information concerning a violation of Texas Government Code, Chapter 2258, the Owner shall make an initial determination as to whether good cause exists to believe a violation occurred. The Owner's decision on the initial determination shall be reduced to writing and sent to the Contractor or Subcontractor against whom the violation was alleged, and to the affected worker. When a good cause finding is made, the Owner shall retain the full amounts claimed by the claimant or claimants as the difference between wages paid and wages due under the Prevailing

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Wage Schedule and any supplements thereto, together with the applicable penalties, such amounts being subtracted from successive progress payments pending a final decision on the violation.

9.5 Arbitration Required if Violation not Resolved. After the Owner makes its initial determination, the affected Contractor or Subcontractor and worker have fourteen (14) days in which to resolve the issue of whether a violation occurred, including the amount that should be retained by Owner or paid to the affected worker. If the Contractor or Subcontractor and affected worker reach an agreement concerning the worker's claim, the Contractor shall promptly notify the Owner in a written document signed by the worker. If the Contractor or Subcontractor and affected worker do not agree before the fifteenth (15th) day after the Owner's determination, the Contractor or Subcontractor and affected worker must participate in binding arbitration in accordance with the Texas General Arbitration Act, Chapter 171, Tex. Civ. Prac. & Rem. Code. The parties to the arbitration have ten (10) days after the expiration of the fifteen (15) days referred to above, to agree on an arbitrator; if by the eleventh (11th) day there is no agreement to an arbitrator, a district court shall appoint an arbitrator on the petition of any of the parties to the arbitration.

9.6 Arbitration Award. If an arbitrator determines that a violation has occurred, the arbitrator shall assess and award against the Contractor or Subcontractor the amount of penalty as provided herein and the amount owed the worker. The Owner may use any amounts retained hereunder to pay the worker the amount as designated in the arbitration award. If the Owner has not retained enough from the Contractor or Subcontractor to pay the worker in accordance with the arbitration award, the worker has a right of action against the Contractor and Subcontractor as appropriate, and the surety of either to receive the amount owed, attorneys' fees and court costs. The Contractor shall promptly furnish a copy of the arbitration award to the Owner.

9.7 Prevailing Wage Retainage. Money retained pursuant to this section shall be used to pay the claimant or claimants the difference between the amount the worker received in wages for labor on the Project at the rate paid by the Contractor or Subcontractor and the amount the worker would have received at the general prevailing wage rate as provided by the agreement of the claimant and the Contractor or Subcontractor affected, or in the arbitrator's award. The full statutory penalty of sixty dollars ($60.00) per day of violation per worker shall be retained by the Owner to offset its administrative costs, pursuant to Texas Government Code, §2258.023. Any retained funds in excess of these amounts shall be paid to the Contractor on the earlier of the next progress payment or final payment. Provided, however, that the Owner shall have no duty to release any funds to either the claimant or the Contractor until it has received the notices of agreement or the arbitration award as provided in this section.

9.8 No Extension of Time. If the Owner determines that good cause exists to believe a violation has occurred, the Contractor shall not be entitled to an extension of time for any delay arising directly or indirectly from of the procedures set forth in this section.

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ARTICLE 10 BONDS:

10.1 Performance Bond. Upon execution of this Agreement, Contractor shall provide a Performance Bond in the amount of 100% of the Contract Price. The surety for a Performance Bond shall meet the requirements of Texas law and the requirements set forth in the Agreement.

10.2 Payment Bond. Upon execution of this Agreement, Contractor shall provide a Payment Bond in the amount of 100% of the Contract Price, as security for the true and faithful payment in full of all subcontractors and persons performing labor, services, materials, machinery, and fixtures in connection with the Work. The surety for a Payment Bond shall meet the requirements of Texas law and the requirements set forth in the Agreement.

10.3 Warranty Bond. Upon Final Completion, Contractor shall provide a Warranty Bond in the amount of 20% of the Contract Price, as security for the true and faithful performance of all warranties set forth in the Agreement.

ARTICLE 11 TERMINATION OR SUSPENSION OF THE AGREEMENT

11.1 Termination by Contractor

If one of the reasons described below exists, the Contractor may, upon thirty (30) business days written notice to the Owner, terminate the Agreement and recover from the Owner payment for Work executed, including reasonable overhead, profit, and costs incurred by reason of such termination:

11.1.1 Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;

11.1.2 An act of government, such as a declaration of national emergency that requires all Work to be stopped;

11.1.3 Because the Owner has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in the Agreement, or because the Owner has not made payment on an undisputed Certificate for Payment within the time stated in the Agreement; or

11.1.4 If the Work is stopped for a period of ninety (90) consecutive days through no act or fault of the Contractor or a Subcontractor, Sub-subcontractor or their agents or employees or any other persons or entities performing portions of the Work under direct or indirect contract with the Agreement.

11.2 Termination by the Owner for Cause

11.2.1 The Owner may terminate the Agreement if the Contractor:

11.2.1.1 Fails to commence the Work in accordance with the provisions of the Agreement;

11.2.1.2 Fails to prosecute the Work to completion thereof in a diligent, efficient, timely, workmanlike, skillful and careful manner and in strict accordance with the provisions of the Agreement;

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11.2.1.3 Fails to use an adequate amount or quality of personnel or equipment to complete the Work without undue delay;

11.2.1.4 Fails to perform any of its obligations under the Agreement;

11.2.1.5 Fails to make prompt payments when due to its Subcontractors and Suppliers, or as required by **Texas Government Code, Chapter 2251**;

11.2.1.6 Files any petition or other pleading seeking any relief under any provisions of the Federal Bankruptcy Act, as amended, or any other federal or state statute or law providing for reorganization of debts or other relief from creditors, permits a receiver or other person to be appointed on account of its insolvency or financial condition, or becomes insolvent;

11.2.1.7 Creates any situation or state of facts which would authorize or permit an involuntary petition in bankruptcy to be filed against Contractor; or

11.2.1.8 Has not met or in Owner's opinion will not meet the dates of Substantial Completion set forth in the Agreement.

11.2.2 When any of the reasons under **Paragraph 11.2.1** exist, the Owner, in its sole and absolute discretion, may without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, **thirty (30) calendar days** written notice, terminate employment of the Contractor and may, subject to any prior rights of the surety, exclude the Contractor from the Project site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor; accept assignment of subcontracts of Contractors subcontractors; and finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

11.2.3 When the Owner terminates the Agreement for one of the reasons stated in **Paragraph 11.2.1**, the Contractor shall not be entitled to receive further payment until the Work is finished. In the event that it is determined that sufficient cause did not exist for termination under this **Section 11.2**, then the termination shall be considered a termination for convenience, under **Section 11.4**, below.

11.2.4 If the unpaid balance of the Contract Price exceeds costs of finishing the Work, including compensation for expenses made necessary thereby, and other damages and costs incurred by the Owner in finishing the Work and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner.

11.3 Suspension by the Owner for Convenience

11.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work in whole or in part for such period of time as the Owner may determine.

11.3.2 The Contract Price and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay or interruption as described in **Paragraph 11.3.1**. Adjustment of the Contract Price shall include profit. No adjustment shall be made to the extent:

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11.3.2.1 that performance is, was or would have been so suspended, delayed or interrupted by another cause for which the Contractor is responsible; or

11.3.2.2 that an equitable adjustment is made or denied under another provision of the Agreement.

11.4 Termination by the Owner for Convenience

11.4.1 The Owner may, at any time, terminate the Agreement for the Owner's convenience and without cause.

11.4.2 Upon receipt of written notice from the Owner of such termination for the Owner's convenience, the Contractor shall

11.4.2.1 Cease operations as directed by the Owner in the notice;
11.4.2.2 Take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and
11.4.2.3 Except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

11.4.3 Upon Owner's termination for convenience, costs of the Work executed, including reasonable overhead and profit, incurred to and including the date of termination, will be due and payable to Contractor in accordance with the Agreement.

ARTICLE 12

ARTICLE 13 MISCELLANEOUS PROVISIONS:

13.1 Interest and Late Payments. Owner's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Interest charges for any overdue payments shall be paid by Owner in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Owner's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice/application for payment submitted by Contractor, Owner shall notify Contractor of the error not later than the twenty first (21st) day after the date Owner receives the invoice/application for payment. If the error is resolved in favor of Contractor, Contractor shall be entitled to receive interest on the unpaid balance of the invoice/application for payment submitted by Contractor beginning on the date that the payment for the invoice/application for payment became overdue. If the error is resolved in favor of the Owner, Contractor shall submit a corrected invoice/application for payment that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by

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Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

13.2 Audits. Contractor agrees that Owner or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Contractor which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Contractor agrees that Owner shall have access during normal working hours to all necessary Contractor facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Owner shall give Contractor reasonable advance notice of intended audits.

13.3 Assignment. This Agreement is a personal service contract for the services of Contractor, and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party.

13.4 Governing Law and Venue. This Agreement and all of the rights and obligations of the parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas without reference to its conflicts of law provisions. Williamson County, Texas where the Project is located shall be the sole place of venue for any legal action arising from or related to this Agreement or the Project in which the Owner is a party.

13.5 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

13.6 Notices. All notices, consents, approvals, demands, requests or other communications relied on by the parties shall be in writing. Written notice shall be deemed to have been given when delivered in person to the designated representative of the Contractor or Owner for whom it is intended; or sent by U. S. Mail to the last known business address of the designated representative.

13.7 Severability. Should any term or provision of this Agreement be held invalid or unenforceable in any respect, the remaining terms and provisions shall not be affected and this Agreement shall be construed as if the invalid or unenforceable term or provision had never been included.

13.8 Relationship of the Parties. Contractor shall be an independent contractor under this agreement and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions in this agreement which may appear to give Owner the right to direct Contractor as to details of doing the Work herein covered or to exercise a measure of control over the Work shall be deemed to mean that Contractor shall follow the desires of Owner in the results of the Work only. Owner shall not retain or have the right to control the Contractor's means, methods or details pertaining to the Contractor's performance of the Work described herein, nor shall Owner have the power to direct the order in which Contractor's Work is performed under this agreement. Owner and Contractor hereby agree and declare that

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Contractor is an Independent Contractor and as such meets the qualifications of an Independent Contractor under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, that the Contractor is not an employee of Owner for purposes of this Agreement, and that the Contractor and its employees, agents and sub-subcontractors shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by Owner.

13.9 Force Majeure. If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance of this Agreement. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

13.10 No Waiver of Sovereign Immunity. Nothing herein shall be construed as a waiver of sovereign immunity by Owner.

13.11 Current Revenues. Under Texas law, a contract with a governmental entity that contains a claim against future revenues is void; therefore, each party paying for the performance of governmental functions or services must make those payments from current revenues available to the paying party.

13.12 Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, Contractor shall furnish the Owner with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

13.13 Entire Agreement & Incorporated Documents; Conflicting Terms. This Agreement constitutes the entire agreement between the parties and may not be modified or amended other than by a written instrument executed by both parties.

The following documents shall comprise the Contract Documents:

1. This Agreement between Owner and Contractor;
2. Exhibit "A" – Plans and Specifications;
3. Addenda issued prior to the Effective Date of this Agreement;
4. Cooperative Contract #BuyBoard 728-24; and
5. All Change Orders and any other Modifications issued after the Effective Date of this Agreement.

In the event of a dispute or conflict relating to the terms and conditions of the Contract Documents, applicable documents will be referred to for the purpose of clarification, conflict resolution or for additional detail in the following order of precedence:

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1. This Agreement between Owner and Contractor;
2. Exhibit "A" – Plans and Specifications;
3. Addenda issued prior to the Effective Date of this Agreement;
4. Cooperative Contract #BuyBoard 728-24; and
5. All Change Orders and any other Modifications issued after the Effective Date of this Agreement.

BY SIGNING BELOW, the Parties have executed and bound themselves to this Agreement to be effective as of the date of the last party's execution hereof.

OWNER:	**CONTRACTOR:**
WILLIAMSON COUNTY, TEXAS, a political subdivision of the state of Texas	Falkenberg Construction Co., Inc.
By: _____	By: DocuSigned by: 00B8142C0830456...
Printed Name: _____	Printed Name: John E. Castro
Title: _____	Title: President
Date: _____	Date: May 19, 2025 | 14:40 CDT

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Exhibit "A"

Plans and Specifications

Location of Project: CTTC, 601 Alligator Road, Granger, TX 76530

Scope of Work:

Contractor to provide the following services:

1. Dishwash Room Refresh
    a. Cover and protect existing finishes
    b. Cover and protect existing flooring
    c. Demo door/frame to dining hall
        i. Set up the three compartment sink in different location in kitchen
    d. Demo all vinyl wall covering within construction area
    e. Demo existing floor tile
    f. Demo all necessary drywall
    g. Install new greenboard where needed
    h. Provide and install new door and frame
        i. Including metal stud framing and blocking as required
        ii. Including wall insulation as required
    i. Floor prep for sheet vinyl application
    j. Provide and install Altro Stronghold 30 sheet vinyl
        i. Installed with heat-welded seams & flash coving with stainless steel cap
    k. Remove and replace the stainless-steel table in dish drying room
    l. Patch flooring in dish drying room using owner provided attic stock
    m. Provide and install new FRP paneling
    n. Move kitchen equipment back to original location
    o. Reattach plumbing connects
    p. Daily and final cleanup

2. Laundry Room Drywall & Floor Repair
    a. Cover and protect existing finishes
    b. Cover and protect existing flooring
    c. Demo section of water damage drywall
    d. Demo section of water damage VCT flooring
    e. Install new drywall where needed
    f. Tape and float new drywall
    g. Apply texture and paint to match existing
        i. Paint corner to corner of repair wall
    h. Patch flooring using owner provided attic stock
    i. Daily & final clean up

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Exclusions:
Overtime/after hours work, permit fees
Any work below slab
Any mechanical/HVAC work
Any work to fire suppression system
Any ceiling grid work
Any security or data electrical work
Any electrical work
Any work outside the SOW
Abatement of any type
Structural framing
Executing any alternates without executing the base bid

Pictures of Existing Areas:













CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1312102

Date Filed:
05/20/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Falkenberg Construction Co., Inc.
Grand Prairie, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
Willamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
585.25 R1
CTTC Kitchen Remodel

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Castro, John	Grand Prairie, TX United States	X	
Gomez, Moses	Grand Prairie, TX United States	X	
Arnold, Chris	Grand Prairie, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is Chris Arnold, and my date of birth is [redacted].

My address is [redacted]
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Dallas County, State of Texas, on the 20 day of May (month), 2025 (year).

Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1312102

Date Filed:
05/20/2025

Date Acknowledged:
06/02/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Falkenberg Construction Co., Inc.
Grand Prairie, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Willamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

585.25 R1
CTTC Kitchen Remodel

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Castro, John	Grand Prairie, TX United States	X	
Gomez, Moses	Grand Prairie, TX United States	X	
Arnold, Chris	Grand Prairie, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **23.**

Meeting Date: 06/10/2025

Approval of Design and Engineering Services Agreement for Sheriff's Office Training Center Additional Parking with Eckermann Engineering, Inc. Utilizing 24RFSQ53 for Facilities Management

Submitted For: Joy Simonton **Submitted By:** Michelle McKinney, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on awarding RFSQ #24RFSQ53 to Eckermann Engineering, Inc. for the Sheriff's Office Training Center Additional Parking, in the amount of Forty-Two Thousand Three Hundred Sixty-Five Dollars ($42,365.00) and authorize execution of the agreement, funding source is P718.

Background

Eckermann Engineering, Inc. is recommended for award through RFSQ #24RFSQ53, which established a pre-qualified consultant pool to be contracted on an as-needed basis, on 06.18.24 agenda item no.16. Eckermann Engineering, Inc. is recommended for this project following a project specific evaluation of the firms from the 24RFSQ53 pool Eckermann Engineering, Inc. received the highest score for this project. This Agreement for Design Services between Williamson County and Eckermann Engineering, Inc. is for the Sheriff's Office Training Center Additional Parking located at 8160 Chandler Road, Hutto, TX 78634. Contract Audit and General Counsel reviewed. A detailed Scope of Work is attached. The funding source is P718 and the point of contact is Christy Matoska.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Professional Service Agreement

Form 1295 Eckermann Engineering, Inc Complete

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 10:00 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 04:14 PM
Form Started By: Michelle McKinney		Started On: 06/02/2025 04:53 PM
Final Approval Date: 06/04/2025		

AGREEMENT FOR DESIGN & ENGINEERING SERVICES

PROJECT: **Sheriff's Office Training Center Additional Parking** ("Project")

ARCHITECT/ ENGINEER: **Eckermann Engineering, Inc.** ("A/E")
John J. Teague III, PE, Operations Manager
921 Main Street
Liberty Hill, TX 78642

COUNTY'S DESIGNATED REPRESENTATIVE: **Williamson County Facilities Department**
Director of Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

THIS AGREEMENT FOR DESIGN AND ENGINEERING SERVICES ("Agreement") is made and entered into effective as of the latest date of the signatories indicated at the conclusion of this document (the "Effective Date"), by and between **Williamson County**, a body corporate and politic under the laws of the State of Texas ("County") and A/E.

R E C I T A L S

WHEREAS, **V.T.C.A., Government Code §2254.002(2)(A)(vii) under Subchapter A** entitled "Professional Services Procurement Act" provides for the procurement by counties of services of professional architects and engineers; and

WHEREAS, County intends to **provide civil engineering services for design, permitting and construction of a parking expansion for the Sheriff's Office Training Center**; and

WHEREAS, County desires that A/E perform certain professional services in connection with the Project; and

WHEREAS, A/E represents that it is qualified and desires to perform such services;

NOW, THEREFORE, County and A/E, in consideration of the mutual covenants and agreements herein contained, do mutually agree as follows:

ARTICLE 1
SCOPE OF AGREEMENT

A/E agrees to perform professional services in connection with the Project as stated herein, and for having rendered such services, County agrees to pay to A/E compensation as stated in the articles to follow.

ARTICLE 2
CONTRACT DOCUMENTS AND APPLICABLE PROJECT DOCUMENTS

2.1 Contract Documents.
Contract Documents consist of this Agreement, any exhibits attached hereto (which exhibits are hereby incorporated into and made a part of this Agreement), and all fully executed Supplemental Agreements which are subsequently issued. These form the entire Agreement, and all are as fully a part of this Agreement as if attached to this Agreement or repeated herein.

2.2 Existing Information.
County shall provide A/E with all existing plans, maps, studies, reports, field notes, statistics, computations, and other data in its possession relative to existing facilities and to this particular Project at no cost to A/E; however, any and all such information shall remain the property of County and shall be returned, if County so instructs A/E.

2.3 Project Documents.
In addition to any other pertinent and necessary Project documents, the following documents shall be used in the development of the Project:

2.3.1
2012 Edition of the Texas Accessibility Standards (TAS) regarding the Elimination of Architectural Barriers Program, including latest revisions (*see* 16 Tex. Admin. Code § 68.100; *see also* Tex. Gov't Code, Ch. 469).

2.3.2
Americans with Disabilities Act (ADA)

2.3.3
Williamson County Facilities Building Code Adoption List, 2020 edition as updated

2.3.4
Williamson County Consultant Design Submittal Guidelines, 2020 edition as updated

ARTICLE 3
NON-COLLUSION; DEBARMENT; AND FINANCIAL INTEREST PROHIBITED

3.1 Non-collusion.
A/E warrants that it has not employed or retained any company or persons, other than a bona fide employee working solely for A/E, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or subconsultant any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this

Agreement. For breach or violation of this warranty, County reserves and shall have the right to annul this Agreement without liability or, in its discretion and at its sole election, to deduct from the Agreement price or compensation, or to otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

3.2 Debarment Certification.
A/E must sign the Debarment Certification enclosed herewith as **Exhibit E**.

3.3 Financial Interest Prohibited.
A/E covenants and represents that A/E, its officers, employees, agents, consultants, and subcontractors will have no financial interest, direct or indirect, in the purchase or sale of any product, materials, or equipment that will be recommended or required for the construction of the Project.

ARTICLE 4
CHARACTER AND SCOPE OF SERVICES

4.1
In consideration of the compensation herein provided, A/E shall perform professional design and engineering services for the Project, which are acceptable to County, based on standard architectural and engineering practices and the scope of work described on the Exhibits attached to this Agreement. A/E shall also serve as County's professional architect and engineer in those phases of the Project to which this Agreement applies and will consult with and give advice to County during the performance of A/E's services.

4.2
A/E shall perform the following Basic Scope of Services (sometimes referred to herein as the "Basic Scope of Services", "Basic Services" or the "Scope of Services"):

4.2.1
The Basic Scope of Services shall generally consist of all elements of work, meetings, materials, and equipment required for the development of the Project in accordance with the requirements, policies, and general practices of Williamson County.

4.2.2
As part of the Basic Services, A/E shall submit its work products to County for review as requested by County.

4.2.3
The detailed Basic Services for the Project is set forth herein as **Exhibit A** to this Agreement, which is expressly incorporated and made a part hereof.

ARTICLE 5
TIME FOR PERFORMANCE

5.1 Commencement.
A/E shall not commence work until A/E has been thoroughly briefed on the scope of the Project and has been notified in writing to proceed, as evidenced by a Notice to Proceed.

5.2 Duration.

A/E agrees to complete the Basic Services within the time period set forth in **Exhibit C**. The time limits set out therein may, for good cause, be extended, in writing, by County as the Project proceeds.

ARTICLE 6
COMPENSATION AND EXPENSES

6.1 Basic Fee.

For and in consideration of the Basic Services rendered by A/E, County shall pay to A/E up to **Forty-Two Thousand Three Hundred Sixty-Five Dollars ($42,365.)** hereinafter called the "Basic Fee".

The Basic Fee is based upon all estimated labor costs required in the performance of all items and phases of the Basic Services set forth in **Exhibit A**. Compensation for Basic Services will be paid by County by monthly invoices of percentage completion of fees by phase of the Basic Fee as set forth in **Exhibit B**. County will only be obligated to pay A/E for the performance of items and phases of the Basic Services actually rendered and incurred, which may be less than the above stated Basic Fee.

6.2 Expenses.

A/E shall be reimbursed for actual non-labor and subcontract expenses incurred in the performance of the services under this Agreement in accordance with the Williamson County Vendor Reimbursement Policy set forth under **Exhibit D**. Invoices requesting reimbursement for costs and expenditures related to the Project (reimbursables) must be accompanied by copies of the provider's invoice and **must strictly comply with the Williamson County Vendor Reimbursement Policy**. The copies of the provider's invoice must evidence the actual costs billed to A/E without markup. Reimbursable Expenses are in addition to compensation for Basic and Additional Services and must not exceed **Four Hundred Twenty-Three Dollars ($ 423.)**.

ARTICLE 7
ADDITIONAL SERVICES AND CHARGES

For the performance of services not specifically described as Basic Services under **Article 4** above (sometimes referred to herein as "Additional Services"), County shall pay and A/E shall receive, under a negotiated, written Supplemental Agreement, Additional Services compensation based upon invoices of percentage completion.

A/E shall not, however, be compensated for work made necessary by A/E's negligent errors or omissions. In the event of any dispute over the classification of A/E's services as Basic or Additional Services under this Agreement, the decision of County shall be final and binding on A/E.

It is expressly understood and agreed that A/E shall not furnish any Additional Services without the prior written authorization of County by a negotiated Supplemental Agreement. County shall have no obligation to pay for such Additional Services which have been rendered without prior written authorization of County as hereinabove required.

ARTICLE 8
TIME OF PAYMENT; PAYMENT AND INTEREST; AND RIGHT TO AUDIT

8.1 Time of Payment.

During the performance of the services provided for in this Agreement, monthly payments shall be made based upon that portion of the services which has been completed.

On or about the last day of each calendar month during the performance of the Basic Services to be provided under this Agreement, A/E shall submit to County working documents in any stage of completion to demonstrate incremental progress of Basic Services and the compensation which is due for percentage completion of Basic Services.

On or about the last day of each calendar month during the performance of the Additional Services to be provided under **Article 7**, A/E shall submit to County working documents in any stage of completion to demonstrate incremental progress of Additional Services under an applicable Supplemental Agreement related thereto, and the compensation which is due for percentage completion of particular Additional Services.

County shall review the documentation and shall pay each statement as set forth in this **Article 8**, however, the approval or payment of any statement shall not be considered evidence of performance by A/E to the point indicated by such statement or of receipt or acceptance by County of the services covered by such statement. Final payment does not relieve A/E of the responsibility of correcting any errors or omissions resulting from A/E's negligence.

Upon submittal of the initial invoice, A/E shall provide the County Auditor with an Internal Revenue Form W-9, Request for Taxpayer Identification Number and Certification that is complete in compliance with the Internal Revenue Code, its rules and regulations.

8.2 Prompt Payment Policy.

In accordance with **Chapter 2251, V.T.C.A., Texas Government Code**, payment to A/E will be made within **thirty (30) days** of the day on which the performance of services was complete, or within **thirty (30) days** of the day on which the County Auditor receives a correct invoice for services, whichever is later. A/E may charge a late fee (fee shall not be greater than that which is permitted by Texas law) for payments not made in accordance with this prompt payment policy; however, this policy does not apply in the event:

8.2.1
There is a bona fide dispute between County and A/E concerning the supplies, materials, or equipment delivered or the services performed that causes the payment to be late; or

8.2.2
There is a bona fide dispute between A/E and a subcontractor/ subconsultant or between a subcontractor/ subconsultant and its supplier concerning supplies, materials, or equipment delivered or the Basic Services performed which causes the payment to be late; or

8.2.3
The invoice is not submitted to Williamson County in strict accordance with instructions, if any, on the purchase order, or this Agreement or other such contractual agreement.

The County Auditor shall document to A/E the issues related to disputed invoices within **ten (10) calendar days** of receipt of such invoice. Any non-disputed invoices shall be considered correct and payable per the terms of **Texas Government Code, Chapter 2251, V.T.C.A**.

ARTICLE 9
PROJECT TEAM

County's Designated Representative for purposes of this Agreement is as follows:

Williamson County Facilities Department
Attn: Director of Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

County shall have the right, from time to time, to change the County's Designated Representative by giving A/E written notice thereof. With respect to any action, decision, or determination which is to be taken or made by County under this Agreement, the County's Designated Representative may take such action or make such decision or determination or shall notify A/E in writing of an individual responsible for, and capable of, taking such action, decision, or determination, and shall forward any communications and documentation to such individual for response or action. Actions, decisions or determinations by County's Designated Representative on behalf of County shall be done in his or her reasonable business judgment unless express standards or parameters therefor are included in this Agreement, in which case, actions taken by County's Designated Representative shall be in accordance with such express standards or parameters. Any consent, approval, decision, or determination hereunder by County's Designated Representative shall be binding on County; *provided, however,* County's Designated Representative shall not have any right to modify, amend, or terminate this Agreement or executed Supplemental Agreement. County's Designated Representative shall not have any authority to execute a Supplemental Agreement unless otherwise granted such authority by the Williamson County Commissioners Court.

A/E's Designated Representative for purposes of this Agreement is as follows:

Eckermann Engineering, Inc.
Derrek Eckermann, P.E., President
921 Main Street
Liberty Hill, TX 78642

A/E shall have the right, from time to time, to change A/E's Designated Representative by giving County written notice thereof. With respect to any action, decision, or determination which is to be taken or made by A/E under this Agreement, A/E's Designated Representative may take such action or make such decision or determination, or shall notify County in writing of an individual responsible for and capable of taking such action, decision, or determination and shall forward any communications and documentation to such individual for response or action. Actions, decisions, or determinations by A/E's Designated Representative on behalf of A/E shall be done in his or her reasonable business judgment unless express standards or parameters therefor are included in this Agreement, in which case, actions taken by A/E's Designated Representative shall be in accordance with such express standards or parameters. Any consent, approval, decision, or determination hereunder by A/E's Designated Representative shall be binding on

A/E. A/E's Designated Representative shall have the right to modify, amend, and execute Supplemental Agreements on behalf of A/E.

ARTICLE 10
NOTICE

Any notice required to be given under the provisions of this Agreement shall be in writing and shall be duly served when it shall have been deposited, enclosed in a wrapper with the proper postage prepaid thereon, and duly registered or certified, return receipt requested, in a United States Post Office, addressed to County or A/E at the following addresses. If mailed, any notice or communication shall be deemed to be received **three (3) days** after the date of deposit in the United States Mail. Unless otherwise provided in this Agreement, all notices shall be delivered to the following addresses:

County: Williamson County Judge
710 Main Street, Suite 101
Georgetown, Texas 78626

With copy to: Williamson County Facilities Department
Attn: Director of Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

and to: Office of General Counsel
Williamson County Commissioners Court
401 W. 6th Street
Georgetown, Texas 78626

A/E: Eckermann Engineering, Inc.
921 Main Street
Liberty Hill, TX 78642

Attention: Derrek Eckermann, PE
President

Either party may designate a different address by giving the other party ten (10) days written notice.

ARTICLE 11
PROGRESS EVALUATION

A/E shall, from time to time during the progress of the Basic Services and, when applicable, progress of Additional Services, confer with County at County's election. A/E shall prepare and present such information as may be pertinent and necessary, or as may be reasonably requested by County, in order for County to evaluate features of the Basic Services and any applicable Additional Services. At the request of County or A/E, conferences shall be provided at A/E's office, the offices of County, or at other locations designated by County. When requested by County, such conferences shall also include evaluation of the Basic Services and any applicable

Additional Services. County may, from time to time, require A/E to appear and provide information to the Williamson County Commissioners Court.

Should County determine that the progress in Basic Services or any applicable Additional Services does not satisfy the terms of this Agreement, then County shall review same with A/E to determine corrective action required.

A/E shall promptly advise County in writing of events which have or may have a significant impact upon the progress of the Basic Services and any applicable Additional Services, including but not limited to the following:

11.1
Problems, delays, adverse conditions which may materially affect the ability to meet the objectives of this Agreement or preclude the attainment of Project Basic Services and any applicable Additional Services by established time periods; and such disclosure shall be accompanied by statement of actions taken or contemplated, and County assistance needed to resolve the situation, if any; and

11.2
Favorable developments or events which enable meeting goals sooner than anticipated in relation to this Agreement or any applicable Supplemental Agreement.

ARTICLE 12
CHANGES IN COMPLETED BASIC SERVICES

If County deems it necessary to request changes to previously satisfactorily completed Basic Services or parts thereof which involve changes to the original Basic Services or character of Basic Services under this Agreement, then A/E shall make such revisions as requested and as directed by County. Such revisions shall be considered as Additional Services and paid for as specified under **Article 7** and **Article 8**. A/E shall make revisions to Basic Services authorized hereunder as are necessary to correct errors appearing therein, when required to do so by County. No additional compensation shall be due for such Basic Services.

ARTICLE 13
REVIEW PROCESS AND REVISIONS TO A/E WORK PRODUCT

13.1 Review Process.
A/E's Work Product will be reviewed by County under its applicable technical requirements and procedures, as follows:

13.1.1 Submittal.
Reports, plans, surveys, field notes, original drawings, computer tapes, graphic files, tracings, calculations, analyses, reports, specifications, data, sketches and/or schematics prepared by A/E and supporting documents (collectively referred to hereinabove and hereinafter as the "A/E Work Product(s)"), shall be submitted by A/E on or before the dates specified for completion, as set out in the Production Schedule set forth in **Exhibit C**.

13.1.2 Completion.
Reports, plans, specifications, and supporting documents shall be submitted by A/E on or before the dates specified in **Exhibit C**. Upon receipt of same, the submission shall be checked for completion. "Completion" or “Complete” shall be defined as all of the required items, as set out in **Exhibit A**, have been included in compliance with the requirements of this Agreement. The completeness of any Basic Services submitted to County shall be determined by County within thirty (30) days of such submittal and County shall notify A/E in writing within such thirty (30) day period if such Basic Services have been found to be incomplete. If the submission is Complete, County will notify A/E and County’s technical review process will begin.

If the submission is not Complete, County will notify A/E, who shall perform such professional services as are required to complete the Basic Services and resubmit it to County. This process shall be repeated until a submission is Complete.

13.1.3 Acceptance.
County will review the completed Basic Services in each design phase for compliance with this Agreement and general conformance with the Design Deliverable Guidelines. "Acceptance" or “Accepted” shall mean that in County’s reasonable opinion, substantial compliance with the requirements of this Agreement has been achieved.

If a lack of coordination between subconsultant documents is discovered in the A/E work product, which is not specifically called-out by A/E as a pending coordination item, the work product will be returned to A/E along with written email notification which may describe preliminary deficiencies discovered and may reference the terms of **Paragraph 13.1.3** of this Agreement. A/E shall perform any required corrections to Basic Services and resubmit to County.

Should this process need to be repeated for the same or subsequent deficiencies related to the initial deficiencies, County will issue a marked-up work product to A/E indicating specific deficiencies for correction. County will also issue a notice for A/E to deduct **One Thousand Dollars ($ 1,000)** from the A/E ‘s Basic Fee on the next invoice for each occurrence until the Basic Services are Accepted.

13.1.4 Final Approval.
After Acceptance, A/E shall perform any required modifications, changes, alterations, corrections, redesigns, and additional work necessary to receive Final Approval by County. "Final Approval" in this sense shall mean formal recognition that the Basic Services have been fully carried out.

13.2 Revision to A/E Work Product.

A/E shall make, without expense to County, such revisions to A/E Work Product as may be required to correct negligent errors or omissions so A/E Work Product meets the needs of County, but after the approval of A/E Work Product any revisions, additions, or other modifications made at County's request which involve extra services and expenses to A/E shall entitle A/E to additional compensation for such extra services and expenses; provided, however, A/E hereby agrees to perform any necessary corrections to A/E Work Products which are found to be in negligent error or omission as a result of A/E’s development of A/E Work Product, at any time, without additional compensation. If it is necessary, due to such error or omission by A/E, to revise any A/E Work Product in order to make the Project constructible, A/E shall do so without additional compensation. In the event of any dispute over the classification of A/E’s Work Products as

Complete, Accepted, or Approved under this Agreement, the decision of County shall be final and binding on A/E, subject to any civil remedy or determination otherwise available to the parties and deemed appropriate by the parties.

13.3 Days.
All references to a "day" in this Agreement shall mean a calendar day unless otherwise specified.

13.4 County's Reliance on A/E.
A/E's duties as set forth herein shall at no time be in any way diminished by reason of any review, evaluation, or approval by County nor shall A/E be released from any liability by reason of such review, evaluation or approval by County, it being understood that County, at all times, is ultimately relying upon A/E's skill, ability, and knowledge in performing the Basic Services required hereunder.

ARTICLE 14
SUSPENSION

Should County desire to suspend the Basic Services, but not to terminate this Agreement, then such suspension may be effected by County giving A/E **thirty (30) calendar days'** verbal notification followed by written confirmation to that effect. Such **thirty (30)-day** notice may be waived in writing by agreement and signature of both parties. The Basic Services may be reinstated and resumed in full force and effect within **sixty (60) days** of receipt of written notice from County to resume the Basic Services. Such **sixty (60)-day** notice may be waived in writing by agreement and signature of both parties. If this Agreement is suspended for more than **thirty (30) days**, A/E shall have the option of terminating this Agreement and, in the event, A/E shall be compensated for all Basic Services performed and reimbursable expenses incurred, provided such Basic Services and reimbursable expenses have been previously authorized and approved by County, to the effective date of suspension.

County assumes no liability for Basic Services performed or costs incurred prior to the date authorized by County for A/E to begin Basic Services, and/or during periods when Basic Services are suspended, and/or subsequent to the completion date.

ARTICLE 15
VIOLATION OF CONTRACT TERMS/ BREACH OF CONTRACT

Violation of contract terms or breach of contract by A/E shall be grounds for termination of this Agreement, and any increased costs arising from A/E's default, breach of contract, or violation of contract terms shall be paid by A/E.

ARTICLE 16
TERMINATION

This Agreement may be terminated as set forth below.

16.1
By mutual agreement and consent, in writing, of both parties.

16.2
By County, by notice in writing to A/E, as a consequence of failure by A/E to perform the Basic Services set forth herein in a satisfactory manner.

16.3
By either party, upon the failure of the other party to fulfill its obligations as set forth herein.

16.4
By County, for reasons of its own and not subject to the mutual consent of A/E, upon not less than **thirty (30) days** written notice to A/E.

16.5
By satisfactory completion of all Basic Services and obligations described herein.

Should County terminate this Agreement as herein provided, no fees other than fees due and payable at the time of termination plus reimbursable expenses incurred shall thereafter be paid to A/E. In determining the value of the Basic Services performed by A/E prior to termination, County shall be the sole judge. Compensation for Basic Services at termination will be based on a percentage of the Basic Services completed at that time. Should County terminate this Agreement under **Section 16.4** above, then the amount charged during the **thirty (30)-day** notice period shall not exceed the amount charged during the preceding **thirty (30) days**.

If A/E defaults in the performance of this Agreement or if County terminates this Agreement for fault on the part of A/E, then County shall give consideration to the actual costs incurred by A/E in performing the Basic Services to the date of default, the amount of Basic Services required which was satisfactorily completed to date of default, the value of the Basic Services which are usable to County, the cost to County of employing another firm to complete the Basic Services required and the time required to do so, and other factors which affect the value to County of the Basic Services performed at the time of default.

The termination of this Agreement and payment of an amount in settlement as prescribed above shall extinguish all rights, duties, and obligations of County under this Agreement. If the termination of this Agreement is due to the failure of A/E to fulfill its contractual obligations, then County may take over the Project and prosecute the Basic Services to completion. In such case, A/E shall be liable to County for any additional and reasonable costs incurred by County.

A/E shall be responsible for the settlement of all contractual and administrative issues arising out of any procurements made by A/E in support of the Basic Services under this Agreement.

ARTICLE 17
USE OF DOCUMENTS

All documents, including but not limited to drawings, specifications, and data or programs stored electronically, (hereinafter referred to as “A/E Work Products”) prepared by A/E and its subcontractors/ subconsultants are related exclusively to the services described in this Agreement and are intended to be used with respect to this Project. However, it is expressly understood and agreed by and between the parties hereto that all of A/E’s designs under this Agreement (including but not limited to tracings, drawings, estimates, specifications,

investigations, studies and other documents, completed or partially completed), shall be the property of County to be thereafter used in any lawful manner as County elects. Any such subsequent use made of documents by County shall be at County's sole risk and without liability to A/E.

By execution of this Agreement and in confirmation of the fee for services to be paid under this Agreement, A/E hereby conveys, transfers, and assigns to County all rights under the Federal Copyright Act of 1976 (or any successor copyright statute), as amended, all common law copyrights and all other intellectual property rights acknowledged by law in the Project Designs and Work Product developed under this Agreement. Copies may be retained by A/E. A/E shall be liable to County for any loss or damage to any such documents while they are in the possession of or while being worked upon by A/E or anyone connected with A/E, including agents, employees, Engineers or subcontractors/ subconsultants. All documents so lost or damaged shall be replaced or restored by A/E without cost to County.

Upon execution of this Agreement, A/E grants to County permission to reproduce A/E's work and documents for purposes of constructing, using, and maintaining the Project, provided that County will comply with its obligations, including prompt payment of all sums when due, under this Agreement. A/E shall obtain similar permission from A/E's subcontractors/ subconsultants consistent with this Agreement. If and upon the date A/E is adjudged in default of this Agreement, County is permitted to authorize other similarly credentialed design professionals to reproduce and, where permitted by law, to make changes, corrections, or additions to the work and documents for the purposes of completing, using, and maintaining the Project.

County shall not assign, delegate, sublicense, pledge, or otherwise transfer any permission granted herein to another party without the prior written consent of A/E. However, County shall be permitted to authorize the contractor, subcontractors, and material or equipment suppliers to reproduce applicable portions of A/E Work Products appropriate to and for use in the execution of the Work. Submission or distribution of A/E Work Products to meet official regulatory requirements or for similar purposes in connection with the Project is permitted. Any unauthorized use of A/E Work Products shall be at County's sole risk and without liability to A/E and its subconsultants.

Prior to A/E providing to County any A/E Work Products in electronic form or County providing to A/E any electronic data for incorporation into A/E Work Products, County and A/E shall, by separate written agreement, set forth the specific conditions governing the format of such A/E Work Products or electronic data, including any special limitations not otherwise provided in this Agreement. Any electronic files are provided by A/E for the convenience of County and use of them is at County's sole risk. In the case of any defects in electronic files or any discrepancies between them and any hardcopy of the same documents prepared by A/E, the hardcopy shall prevail. Only printed copies of documents conveyed by A/E shall be relied upon.

A/E shall have no liability for changes made to the drawings by other consultants subsequent to the completion of the Project. Any such change shall be sealed by A/E making that change and shall be appropriately marked to reflect what was changed or modified.

ARTICLE 18
PERSONNEL, EQUIPMENT, AND MATERIAL

A/E shall furnish and maintain, at its own expense, quarters for the performance of all Basic Services, and adequate and sufficient personnel and equipment to perform the Basic Services as required. All employees of A/E shall have such knowledge and experience as will enable them to perform the duties assigned to them. Any employee of A/E who, in the reasonable opinion of County, is incompetent or whose conduct becomes detrimental to the Basic Services shall immediately be removed from association with the Project when so instructed by County. A/E certifies that it presently has adequate qualified personnel in its employment for performance of the Basic Services required under this Agreement, or will obtain such personnel from sources other than County. A/E may not change the Project Manager without prior written consent of County.

ARTICLE 19
SUBCONTRACTING

A/E shall not assign, subcontract, or transfer any portion of the Basic Services under this Agreement without prior written approval from County. All subcontracts shall include the provisions required in this Agreement. No subcontract shall relieve A/E of any responsibilities under this Agreement.

ARTICLE 20
MODIFICATIONS

This instrument contains the entire Agreement between the parties relating to the right herein granted and obligations herein assumed. Any oral or written representations or modifications concerning this instrument shall be of no force and effect excepting a subsequent written modification signed by both parties hereto.

ARTICLE 21
COMPLIANCE WITH LAWS

21.1 Compliance.

A/E shall render the services hereunder in accordance with generally accepted standards applicable thereto and shall use that degree of care and skill commensurate with the architecture and engineering professions, and in recognition of such standards, A/E shall comply with all applicable federal, state, and local laws, statutes, codes, ordinances, rules and regulations, and the orders and decrees of any court, or administrative bodies or tribunals in any manner affecting the performance of this Agreement, including, without limitation, minimum/ maximum salary and wage statutes and regulations, and licensing laws and regulations. A/E shall furnish County with satisfactory proof of its compliance.

A/E shall further obtain all permits and licenses required in the performance of the Basic Services contracted for herein.

21.2 Taxes.

A/E shall pay all taxes, if any, required by law arising by virtue of the Basic Services performed hereunder. County is qualified for exemption pursuant to the provisions of **Section 151.309 of the Texas Limited Sales, Excise, and Use Tax Act**.

ARTICLE 22
INDEMNIFICATION

A/E AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD COUNTY HARMLESS FROM AND AGAINST ANY AND ALL LIABILITIES, LOSSES, PENALTIES, JUDGMENTS, CLAIMS, LAWSUITS, DAMAGES, COSTS AND EXPENSES, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES, ("LOSSES") TO THE EXTENT SUCH LOSSES ARE CAUSED BY OR RESULTS FROM A NEGLIGENT ACT OR OMISSION, NEGLIGENCE, OR INTENTIONAL TORT COMMITTED BY A/E, A/E'S EMPLOYEES, AGENTS, OR ANY OTHER PERSON OR ENTITY UNDER CONTRACT WITH A/E INCLUDING, WITHOUT LIMITATION, A/E'S SUBCONSULTANTS, OR ANY OTHER ENTITY OVER WHICH A/E EXERCISES CONTROL.

A/E FURTHER AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD COUNTY HARMLESS FROM ANY AND ALL LIABILITIES, LOSSES, PENALTIES, JUDGMENTS, CLAIMS, LAWSUITS, DAMAGES, COSTS AND EXPENSES, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES, ("LOSSES") TO THE EXTENT SUCH LOSSES ARE CAUSED BY OR RESULTS FROM A/E'S FAILURE TO PAY A/E'S EMPLOYEES, SUBCONTRACTORS, SUBCONSULTANTS, OR SUPPLIERS, IN CONNECTION WITH ANY OF THE WORK PERFORMED OR TO BE PERFORMED UNDER THIS AGREEMENT BY A/E.

A/E FURTHER AGREES TO INDEMNIFY AND HOLD COUNTY HARMLESS FROM ANY AND ALL LIABILITIES, LOSSES, PENALTIES, CLAIMS, LAWSUITS, DAMAGES, COSTS AND EXPENSES, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES, ("LOSSES") TO THE EXTENT SUCH LOSSES ARE CAUSED BY OR RESULTS FROM THE INFRINGEMENT OF ANY INTELLECTUAL PROPERTY ARISING OUT OF THE USE OF ANY PLANS, DESIGN, DRAWINGS, OR SPECIFICATIONS FURNISHED BY A/E IN THE PERFORMANCE OF THIS AGREEMENT.

THE LIMITS OF INSURANCE REQUIRED IN THIS AGREEMENT AND/OR THE CONTRACT DOCUMENTS SHALL NOT LIMIT A/E'S OBLIGATIONS UNDER THIS **ARTICLE 22**. THE TERMS AND CONDITIONS CONTAINED IN THIS **ARTICLE 22** SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT AND/OR CONTRACT DOCUMENTS OR THE SUSPENSION OF THE WORK HEREUNDER. TO THE EXTENT THAT ANY LIABILITIES, PENALTIES, DEMANDS, CLAIMS, LAWSUITS, LOSSES, DAMAGES, COSTS AND EXPENSES ARE CAUSED IN PART BY THE ACTS OF COUNTY OR THIRD PARTIES FOR WHOM A/E IS NOT LEGALLY LIABLE, A/E'S OBLIGATIONS SHALL BE IN PROPORTION TO A/E'S FAULT. THE OBLIGATIONS HEREIN SHALL ALSO EXTEND TO ANY ACTIONS BY COUNTY TO ENFORCE THIS INDEMNITY OBLIGATION.

IN THE EVENT THAT CONTRACTORS INITIATE LITIGATION AGAINST COUNTY IN WHICH CONTRACTOR ALLEGES DAMAGES AS A RESULT OF ANY ACTS, ERRORS OR OMISSIONS OF A/E OR ANY OF ITS EMPLOYEES OR ANY PERSON, FIRM OR CORPORATION DIRECTLY OR INDIRECTLY EMPLOYED BY A/E, INCLUDING, BUT NOT LIMITED TO, DEFECTS, ERRORS, OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR IN THE ADMINISTRATION OF THIS AGREEMENT BY A/E OR ANY OF ITS EMPLOYEES OR ANY PERSON, FIRM OR CORPORATION DIRECTLY OR INDIRECTLY EMPLOYED BY A/E, AND/OR INADEQUATE SERVICES PURSUANT TO THE CONSTRUCTION PHASE-ADMINISTRATION OF THE CONSTRUCTION CONTRACT AS DEFINED AND REQUIRED BY THIS AGREEMENT, AGREEMENT EXHIBITS AND THE CONSTRUCTION CONTRACT DOCUMENTS, THEN COUNTY SHALL HAVE THE RIGHT TO JOIN

A/E AT COUNTY'S COST. A/E SHALL ALSO HOLD COUNTY HARMLESS AND INDEMNIFY COUNTY TO THE EXTENT THAT A/E, ANY OF ITS EMPLOYEES, AGENTS, SUBCONTRACTORS, SUBCONSULTANTS, OR SUPPLIERS, OR OTHER ENTITIES OVER WHICH A/E EXERCISES CONTROL, CAUSED SUCH DAMAGES TO CONTRACTOR, INCLUDING ANY AND ALL COSTS AND ATTORNEYS' FEES INCURRED BY COUNTY IN CONNECTION WITH THE DEFENSE OF ANY CLAIMS WHERE A/E, ITS EMPLOYEES, AGENTS, SUBCONTRACTORS, SUBCONSULTANTS, OR SUPPLIERS, OR OTHER ENTITIES OVER WHICH A/E EXERCISES CONTROL, ARE ADJUDICATED AT FAULT.

ARTICLE 23
PROFESSIONAL'S RESPONSIBILITIES

A/E shall be responsible for the accuracy of its Professional Services and shall promptly make necessary revisions or corrections to its Work Product resulting from errors, omissions, or negligent acts, and same shall be done without compensation. County shall determine A/E's responsibilities for all questions arising from design errors and/or omissions, subject to the dispute resolution provisions of **Article 31**. A/E shall not be relieved of responsibility for subsequent correction of any such errors or omissions in its work product, or for clarification of any ambiguities until after the construction phase of the Project has been completed.

ARTICLE 24
PROFESSIONAL'S SEAL

The responsible architect and engineer shall sign, seal, and date all appropriate submissions to County in accordance with Texas laws and the rules of the State Boards of Registration for Professionals.

ARTICLE 25
INSURANCE

A/E must comply with the following insurance requirements at all times during this Agreement:

25.1 Coverage Limits.

A/E, at A/E's sole cost, shall purchase and maintain during the entire term while this Agreement is in effect the following insurance:

25.1.1
Worker's Compensation in accordance with statutory requirements.

25.1.2
Commercial General Liability Insurance with a combined minimum Bodily Injury and Property Damage limits of $1,000,000.00 per occurrence and $2,000,000.00 in the aggregate.

25.1.3
Business Automobile Liability Insurance for all owned, non-owned, and hired vehicles with combined minimum limits for Bodily Injury and Property Damage of $1,000,000.00 each accident.

25.1.4
Professional Liability Insurance in the amount of $2,000,000.00 per claim and annual aggregate.

25.2 Certification of Coverage.

Prior to the performance of any A/E Services, A/E shall furnish County with a Certificate of Insurance issued by the insurer evidencing the required coverages and terms under this article. The initial Certificate of Insurance is evidenced as **Exhibit F** herein entitled "Certificates of Insurance." As further set out below, A/E shall not allow any subcontractor/subconsultant(s) to commence work to be performed in connection with this Agreement until all required insurance has been obtained and approved and such approval shall not be unreasonably withheld. Approval of the insurance by County shall not relieve or decrease the liability of A/E hereunder.

25.3 Additional Insureds; Waiver of Subrogation.

"Williamson County, Texas, its directors, officers and employees" shall be added as additional insureds under policies listed under (2) and (3) above, and on those policies where "Williamson County, Texas, its directors, officers and employees" are additional insureds, such insurance shall be primary and any insurance maintained by County shall be excess and not contribute with it. Such policies shall also include waivers of subrogation in favor of County.

25.4 Certificate Holder.

The name of the Certificate Holder in the Certificate of Insurance issued by the insurer shall be as follows:

Williamson County, Texas
C/O: Williamson County Risk Management
301 SE Inner Loop
Georgetown, TX. 78626
Email: coi.submission@wilco.org

25.5 Insurance Policy Endorsements.

Each insurance policy shall include the following conditions by endorsement to the policy:

25.5.1
County shall be notified ten (10) days prior to the expiration, cancellation, non-renewal or any material change in coverage, and such notice thereof shall be given to County by certified mail, and by email to:

Williamson County, Texas
C/O: Williamson County Risk Management
301 SE Inner Loop
Georgetown, TX. 78626
Email: coi.submission@wilco.org

25.5.2
The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by County, to any such future coverage, or to County's Self-Insured Retentions of whatever nature.

25.6 Notices by A/E.

A/E shall not cause any insurance to be canceled nor permit any insurance to lapse. **In addition to any other notification requirements set forth hereunder, A/E shall also notify County, within twenty-four (24) hours of receipt of any notices of expiration, cancellation, non-renewal, or material change in coverage it receives from its insurer.**

25.7 Premiums and Deductible.

A/E shall be responsible for payment of premiums for all of the insurance coverages required under this section. A/E further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the A/E is responsible hereunder, A/E shall be solely responsible for all deductibles and self-insured retentions. Any deductibles or self-insured retentions over **$50,000** in the A/E's insurance must be declared and approved in writing by County in advance.

25.8 Insurance Company Rating.

The required insurance must be written by a company approved to do business in the State or Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued.

25.9 No Arbitration.

It is the intention of the County and agreed to and hereby acknowledged by the A/E, that no provision of this Agreement shall be construed to require the County to submit to mandatory arbitration in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder or as may be required by law or a court of law with jurisdiction over the provisions of this Agreement.

25.10 Subcontractor/Subconsultant's Insurance.

Without limiting any of the other obligations or liabilities of A/E, A/E shall require each subcontractor/subconsultant performing work under this Agreement (to the extent a subcontractor/subconsultant is allowed by County) to maintain during the term of this Agreement, at the subcontractor/subconsultant's own expense, the same stipulated minimum insurance required in this Article, including the required provisions and additional policy conditions as shown below in this Article. Any requests for consent to reduce any insurance coverage limits requirements for A/E's subcontractors/subconsultants must be provided to County in writing and must set forth reasoning and justifications for decreasing such coverage limits. County may, at its sole discretion, consent to a reduction in the insurance coverage limits requirements for A/E's subcontractors/subconsultants; provided, however, consent by County must be in writing and such consent shall not relieve or decrease the liability of A/E hereunder.

A/E shall obtain and monitor the Certificates of Insurance from each subcontractor/subconsultant in order to assure compliance with the insurance requirements. A/E must retain the Certificates of Insurance for the duration of this Agreement and shall have the responsibility of enforcing these insurance requirements among its subcontractor/subconsultants. County shall be entitled, upon request and without expense, to receive copies of these Certificates of Insurance.

25.11 Cost of Insurance.

The cost of all insurance required herein to be secured and maintained by A/E shall be borne solely by A/E.

ARTICLE 26
SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon and inure to the benefit of the parties hereto, their successors, lawful assigns, and legal representatives. A/E may not assign, sublet, or transfer any interest in this Agreement, in whole or in part, by operation of law or otherwise, without obtaining the prior written consent of County.

ARTICLE 27
SEVERABILITY

In the event any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such invalidity, illegality or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

ARTICLE 28
PRIOR AGREEMENTS SUPERSEDED

This Agreement constitutes the sole agreement of the parties hereto and supersedes any prior understandings or written or oral agreements between the parties respecting the subject matter defined herein. This Agreement may only be amended or supplemented by mutual agreement of the parties hereto in writing.

ARTICLE 29
A/E'S ACCOUNTING RECORDS

A/E agrees to maintain, for a period of **three (3) years** after final payment under this Agreement, detailed records, books, documents, and papers which are directly pertinent to the services to be performed under this Agreement and records of reimbursable costs and expenses of other providers and provide such other details as may be requested by the County Auditor for the purposes of making audits, examinations, excerpts and transcriptions. A/E agrees that County or its duly authorized representatives shall, until the expiration of **three (3) years** after final payment under this Agreement, have access to and the right to examine and photocopy any and all detailed records, books, documents, and papers which are directly pertinent to the services to be performed under this Agreement and records of reimbursable costs and expenses of other providers for the purposes of making audits, examinations, excerpts, and transcriptions. A/E further agrees that County shall have access during normal working hours to all necessary A/E facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this **Article 29**. County shall give A/E reasonable advance notice of intended audits.

ARTICLE 30
GENERAL PROVISIONS

30.1 Time is of the Essence.

A/E understands and agrees that time is of the essence and that any failure of A/E to complete the Basic Services within the agreed Production Schedule set out in **Exhibit C** may constitute a material breach of this Agreement. A/E shall be fully responsible for its delays or for failures to use its reasonable efforts in accordance with the terms of this Agreement and A/E's standard of performance as defined herein. Where damage is caused to County due to A/E's negligent failure to perform, County may accordingly withhold, to the extent of such damage, A/E's payments hereunder without waiver of any of County's additional legal rights or remedies.

30.2 Force Majeure.

Neither County nor A/E shall be deemed in violation of this Agreement if prevented from performing any of their obligations hereunder by reasons for which they are not responsible or circumstances beyond their control. However, notice of such impediment or delay in performance must be timely given, and all reasonable efforts undertaken to mitigate its effects.

30.3 Enforcement and Venue.

This Agreement shall be enforceable in Georgetown, Williamson County, Texas, and if legal action is necessary by either party with respect to the enforcement of any or all of the terms or conditions herein, exclusive venue for same shall lie in Williamson County, Texas. This Agreement shall be governed by and construed in accordance with the laws and court decisions of the State of Texas excluding, however, its choice of law rules.

30.4 Standard of Performance.

The standard of care for all professional architecture, engineering, consulting and related services performed or furnished by A/E and its employees under this Agreement will be the care and skill ordinarily used by members of A/E's profession, practicing under the same or similar circumstances at the same time and in the same locality.

30.5 Opinion of Probable Cost.

Any opinions of probable Project cost or probable construction cost provided by A/E are made on the basis of information available to A/E and on the basis of A/E's experience and qualifications and represents its judgment as an experienced and qualified professional. However, since A/E has no control over the cost of labor, materials, equipment, or services furnished by others, or over the contractor(s') methods of determining prices, or over competitive bidding or market conditions, A/E does not guarantee that proposals, bids or actual Project or construction cost will not vary from opinions of probable cost A/E prepares.

30.6 Opinions and Determinations.

Where the terms of this Agreement provide for action to be based upon opinion, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.

30.7 Reports of Accidents.

Within **twenty-four (24) hours** after A/E becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of A/E), whether or not it results from, or involves, any action or failure

to act by A/E or any employee or agent of A/E and which arises in any manner from the performance of this Agreement, A/E shall send a written report of such accident or other event to County, setting forth a full and concise statement of the facts pertaining thereto. A/E shall also immediately send to County a copy of any summons, subpoena, notice, or other documents served upon A/E, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from A/E's performance of work under this Agreement.

30.8 Gender, Number, and Headings.

Words of any gender used in this Agreement shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, unless the context otherwise requires. The headings and section numbers are for convenience only and shall not be considered in interpreting or construing this Agreement.

30.9 Construction.

Each party hereto acknowledges that it and its counsel have reviewed this Agreement and that the normal rules of construction are not applicable and there will be no presumption that any ambiguities will be resolved against the drafting party in the interpretation of this Agreement.

30.10 Independent Contractor Relationship.

Both parties hereto, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

30.11 No Waiver of Immunities.

Nothing in this Agreement shall be deemed to waive, modify, or amend any legal defense available at law or in equity to County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. County does not waive, modify, or alter, to any extent whatsoever, the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

30.12 Texas Public Information Act.

To the extent, if any, that any provision in this Agreement is in conflict with **Texas Government Code 552.001** et seq., as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that County, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to County as to whether or not the same are available to the public. It is further understood that County's officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

30.13 Governing Terms and Conditions.

If there is an irreconcilable conflict between the terms and conditions set forth in this Agreement or any Supplemental Agreement and the terms and conditions set forth in any Exhibit, Appendix to this Agreement, the terms and conditions set forth in this Agreement or any Supplemental

Agreement shall control over the terms and conditions set forth in any Exhibit, Appendix to this Agreement.

30.14 Appropriation of Funds by County.

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Agreement. A/E understands and agrees that County's payment of amounts under this Agreement is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Agreement. It is further understood and agreed by A/E that County shall have the right to terminate this Agreement at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may affect such termination by giving written notice of termination to A/E.

ARTICLE 31
DISPUTE RESOLUTION

Except as otherwise specifically set forth herein, County and A/E shall work together in good faith to resolve any controversy, dispute, or claim between them which arises out of or relates to this Agreement, whether stated in tort, contract, statute, claim for benefits, bad faith, professional liability or otherwise ("Claim"). If the parties are unable to resolve the Claim within **thirty (30) days** following the date in which one party sent written notice of the Claim to the other party, and if a party wishes to pursue the Claim, such Claim shall be addressed through non-binding mediation. A single mediator engaged in the practice of law, who is knowledgeable about subject matter of this Agreement, shall be selected by agreement of the parties and serve as the mediator. Any mediation under this Agreement shall be conducted in Williamson County, Texas. The mediator's fees shall be borne equally between the parties. Such non-binding mediation is a condition precedent to seeking redress in a court of competent jurisdiction, but this provision shall not preclude either party from filing a lawsuit in a court of competent jurisdiction prior to completing a mediation, if necessary to preserve the statute of limitations, in which case such lawsuit shall be stayed pending completion of the mediation process contemplated herein. This provision shall survive the termination of this Agreement.

ARTICLE 32
EQUAL OPPORTUNITY IN EMPLOYMENT

The parties to this Agreement agree that during the performance of the services under this Agreement they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The parties to this Agreement will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

ARTICLE 33
MERGER

The Parties agree that this Agreement contains all of the terms and conditions of the understanding of the parties relating to the subject matter hereof. All prior negotiations, discussions, correspondence and preliminary understandings between the parties and others relating hereto are superseded by this Agreement.

ARTICLE 34
PUBLIC CONTACT

Contact with the news media, citizens of Williamson County or governmental agencies shall be the responsibility of County. Under no circumstances shall A/E release any material or information developed in the performance of its services hereunder without the express written permission of County.

ARTICLE 35
A/E's REPRESENTATIONS

A/E represents that it is financially solvent, able to pay its debts as they become due, and possesses sufficient working capital to complete the services and perform its obligation under this Agreement and under the Contract Documents. A/E further represents and acknowledges that: (a) it is a sophisticated business entity that possesses the required level of experience and expertise in business administration, construction, and contract administration of projects of similar or like size, complexity, and nature as the Project and (b) the fee stated in this Agreement is adequate compensation for the timely completion of the Basic Services.

ARTICLE 36
CONFIDENTIALITY

A/E hereby acknowledges the services to be performed hereunder pertain to a secured correctional facility (Williamson County Jail) and that A/E must ensure that information relating all areas of the Williamson County Jail must not be disclosed to third parties. A/E expressly agrees that its employees, agents, or any other person or entity under contract with A/E including, without limitation, A/E's subconsultants, or any other entity over which A/E exercises control will not use any information relating to the Williamson County Jail that may be obtained while providing services hereunder for any purpose other than for what is necessary to perform the required services. A/E agrees to use the same degree of care as it uses to protect the confidentiality of its own confidential information, but no less than reasonable precautions to maintain confidentiality with respect to the Williamson County Jail, and to prevent disclosure thereof to persons other than its employees, agents, any other person or entity under contract with A/E including, without limitation, A/E's subconsultants, or any other entity over which A/E exercises control who need access to information regarding the Williamson County Jail to carry out their obligations under this Agreement. A/E agrees that A/E and its employees, agents, any other person or entity under contract with A/E including, without limitation, A/E's subconsultants, or any other entity over which A/E exercises control will not enter any unauthorized areas of the Wiliamson County Jail and will not disclose any information to unauthorized third parties and will take care to guard the security

of the information at all times. A/E agrees that all of its employees, agents, any other person or entity under contract with A/E including, without limitation, A/E's subconsultants, or any other entity over which A/E exercises control shall be subject to background checks and that the Williamson County Sheriff or his agent will perform checks. County shall retain the right to deny right of entry to the Williamson County Jail to anyone.

ARTICLE 37
SIGNATORY WARRANTY

The undersigned signatory for A/E hereby represents and warrants that the signatory is an officer of the organization for which he/she has executed this Agreement and that he/she has full and complete authority to enter into this Agreement on behalf of the firm. The above-stated representations and warranties are made for the purpose of inducing County to enter into this Agreement.

IN WITNESS WHEREOF, County has caused this Agreement to be signed in its name by its duly authorized County Judge, or presiding officer of the Williamson County Commissioners Court in the absence of the County Judge, thereby binding the parties hereto, their successors, assigns and representatives for the faithful and full performance of the terms and provisions hereof. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE COUNTY HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND, TERMINATE OR MODIFY THIS AGREEMENT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT.

A/E:
Eckermann Engineering, Inc.

By: _____
Signature

Derrek Eckermann
Printed Name

President
Title

Date Signed: 5/30/2025

COUNTY:
Williamson County, Texas

By: _____
Signature

_____
Printed Name

_____
Title

Date Signed: _____

EXHIBIT A

SCOPE OF BASIC SERVICES

THE FOLLOWING SCOPE OF SERVICES IS INTENDED TO BE CONSISTENT WITH THE AGREEMENT. TO THE EXTENT THIS SCOPE OF SERVICES IS INCONSISTENT WITH THE AGREEMENT, THE AGREEMENT WILL SUPERSEDE THE SCOPE OF SERVICES AND WILL BE CONTROLLING.

In consideration of the Basic Fee provided in the Agreement, A/E shall perform the following Basic Services, based on standard architectural and engineering practices:

These services may include, but are not limited to as-built drawings, programming, architectural, structural, civil, mechanical, plumbing, electrical, hazardous materials, IT and security, landscape and irrigation, cost estimates and construction administration, master planning, facility condition assessment, forensic investigations, real estate evaluations, and specialized studies and analyses as agreed to by County and A/E.

GENERAL REQUIREMENTS

Design Criteria. A/E shall prepare all work in accordance with the latest version of applicable County's procedures, specifications, manuals, guidelines, standard drawings, and standard specifications. A/E shall prepare each Plans, Specifications, and Estimates (PS&E) package in a form suitable for letting through County's construction contract bidding and awarding process.

Right-of-Entry and Coordination. A/E shall notify County and secure permission to enter private property to perform any surveying, environmental, engineering or geotechnical activities needed off County property. In pursuance of County's policy with the general public, A/E shall not commit acts which would result in damages to private property, and A/E shall make every effort to comply with the wishes and address the concerns of affected private property owners. A/E shall contact each property owner prior to any entry onto the owner's property and shall request concurrence from County prior to each entry.

A/E shall notify County and coordinate with adjacent A/Es on all controls at project interfaces.

A/E shall prepare each exhibit necessary for approval by each utility, and other governmental or regulatory agency in compliance with the applicable format and guidelines required by each entity and as approved by County. A/E shall notify County in writing prior to beginning any services on any outside agency's exhibit.

Progress Reporting. A/E shall submit monthly (at a minimum) a progress status e-mail to County's Project Manager (PM) regardless of whether A/E is invoicing for that month.

A/E shall prepare and maintain a design and estimated construction schedule in a format reasonably acceptable to County during project phases prior to the Construction Administration Phase. A/E shall schedule milestone submittals per **Exhibit C – Production Schedule**. Contractor shall prepare and maintain a construction schedule in Gantt chart format during the

project Construction Administration Phase through the Close-out Phase.

Within **thirty (30) days** of completion of construction of the project, A/E shall deliver all electronic files in formats reasonably acceptable to County.

Final payment is contingent upon County's receipt and confirmation by County's PM that the electronic files function and are formatted in accordance with the Agreement and all review comments are addressed.

A/E shall prepare a letter of transmittal to accompany each document submittal to County. At a minimum, the letter of transmittal must include County's project name, facility name and address.

Coordination. A/E shall coordinate issues through County's PM. County will communicate, in writing, resolution of issues and provide A/E direction through County's PM.

Level of Effort. A/E shall base the level of effort at each phase on the prior work developed in earlier phases without unnecessary repetition or re-study.

Quality Assurance (QA) and Quality Control (QC). A/E shall provide peer review at all levels. For each deliverable, A/E shall maintain evidence of A/E's internal review and mark-up of that deliverable as preparation for submittal. When internal mark-ups are requested by County in advance, County, at its sole discretion, may reject the deliverable should A/E fail to provide the evidence of internal mark-ups. A/E shall clearly label each document submitted for quality assurance as an internal mark-up document.

A/E shall perform QA and QC on all consultant products (when applicable to the project) prior to delivery to County. If, during the course of reviewing a submittal, it becomes apparent to County that the submittal contains unreasonable errors, omissions, or inconsistencies, County may cease its review and immediately return the submittal for appropriate action by A/E.

A submittal returned to A/E for this reason is not a submittal for purposes of the submission schedule. Rejected submittals shall neither impact the overall deadline of the Project nor the review period allotted to County officials. A/E shall provide an updated schedule showing interim submission date changes to make-up for any lost time. A/E shall not submit an invoice until County accepts the submittal as reasonably complete.

Organization of Plan Sheets. The PS&E package shall be complete and organized in a manner that is suitable for the bidding and awarding of a construction contract.

Naming of Electronic Project Files and Organization of Design Project Folders. A/E shall use succinct and understandable file names including project name, document content, and date created (i.e. "*Project_DOCUMENT_yyyy.mm.dd*"). A/E shall maintain files in an organized folder structure that is readily understandable to outside users to facilitate communication and minimize complications in project close-out.

Referenced Documents. County standardized design and procedure documents are provided for public reference at the following web address:

https://www.wilcotx.gov/376/Facilities-Management

SCOPE OF WORK:

Sheriff's Office Training Center – Additional Parking Lot Design
8160 Chandler Road, Hutto, TX 78634
P#718

A/E firm will provide survey and civil design (paving, grading and drainage) for permitting and construction of a parking expansion which includes approximately one-acre portion of overall 44.47 acre tract.

Project Management and Coordination:
A/E will coordinate with the Owner and design team throughout the project to identify project goals, schedules, and projected milestones for Phases I through VI below. The following items will be provided with these Phases:

1) Provide overall project management services including but not limited to budget control, preparations and project coordination.

2) Perform Quality Control/Quality Assurance reviews and ensure timely delivery of all deliverables.

3) File necessary documents or reports with the required jurisdictional or regulatory agencies.

4) Attend submittal and design review meetings and coordinate annotated comment responses and approvals with design team.

Design services shall be conducted in phases as outlined herein. Phases may be combined to expedite design process when defined in **Exhibit C – Production Schedule**. Individual phases or groups of phases shall be authorized herein or by fully-executed Supplemental Agreement.

Phase I - SCHEMATIC DESIGN - 30% Program, Plans, Outline Specifications and Estimate

Upon receipt of written Notice to Proceed, A/E shall accomplish the following:

A. Investigate site/facility and verify known existing or available utility locations.

B. Advise County of any changes, additions, or corrections to the preliminary program, plans, specifications, and budget.

C. Provide deliverables in accordance with County's Design Submittal Guidelines.

D. Data Collection and Schematic Design:

a. Topographic Survey – A/E will hire sub-consultant to provide topographic survey for design to support the site improvements for the approximate one-acre parking expansion within the site. The project limits for the topographic survey task will include an approximate 180-foot-wide by 560-foot-long area for the parking improvements as well as the area of the existing detention basin to verify proposed increases in stormwater runoff can be accommodated. The

vertical datum will be based upon immediately adjacent City, County, or USGS monuments. If a datum cannot be established, then the datum will be assumed. A/E will provide a topographic map (100-ft Grid) that depicts contours at one-foot intervals and identifies all grade-breaks within the surveyed area and two (2) on-site temporary benchmarks.

b. Schematic Design: A/E will coordinate with the County to prepare a schematic level site plan for parking improvements. This schematic site plan will be established from the surveyed base map provided by sub-consultant, as well as the conceptual site information provided by the County and developed within the design team. The schematic site plan will identify the location of drive aisles, parking stalls, drainage improvements, and sidewalks (if required). Additionally, a concept level grading plan will be developed to establish the relationship between proposed improvements and existing facilities.

c. Preliminary Drainage Analysis: Utilizing the information obtained from as-built plans along with the proposed schematic plan and topographic base map, EEI will prepare one (1) preliminary drainage analysis for the subject site. The analysis will evaluate onsite flow rates to determine if proposed flows generated by the parking expansion exceed the pre-project rates for the 2, 10, 25, and 100-year storm events and confirm if the existing detention facilities will be required to be modified to support the proposed improvements. A letter report summarizing the methods, assumptions, and results of our analysis will be provided to the Owner upon completion of the work.

Phase III - CONSTRUCTION DOCUMENTS – 100% Plans, Specifications, and Estimate

Upon County acceptance of previous phase, A/E shall proceed with the following:

A. Prepare complete plans, specifications and engineering calculations (without professional seals) setting forth in detail the work required for the civil site work.

B. Consult freely with County concerning the principal phases of the work immediately advise County of any unusual requirements or features not apparent during execution of the Schematic Design and Design Development Phases.

C. Prepare a detailed cost estimate of the project on a form acceptable to County.

D. Prepare a construction schedule with a Gantt chart or other County approved format which lists the anticipated major activities required to complete the project.

E. Complete the PS&E for the entire Project and its component parts. The Project detailed cost estimate shall not exceed the project construction budget as approved in writing by County.

F. Update preliminary materials selection board or provide new for County project records.

G. Upon the Owner's review and approval of the schematic site plan, A/E will prepare final construction documents for the project for use in permitting, bidding, and construction of the improvements. Based upon the schematic plan, A/E will prepare one (1) set of construction plans for submittal to Owner for the parking lots, driveways, grading, and drainage plans. The plans will be prepared in general

accordance with the published requirements of the applicable jurisdictional entities. This scope of work assumes only minor grading modifications, if any, will be required within the detention basin and that no modifications will be required for the pond outlet structure.

H. A/E will provide the following services to support this Phase of the work:
- Preparation of plans for the following items:
- Project site plan and dimensional layout (utilizing plan developed in Phase 1 above)
- On-site grading and drainage plan
- Drainage area maps and calculations (on-site only)
- Detention pond modification plan and calculations (if required)
- Erosion and sedimentation control plan and details
- Existing conditions and demolition plan
- General notes and special provisions
- Construction details

I. A/E will prepare the Engineer's summary letter addressing the requirements of the County with respect to the site design and the Certificate of Compliance.

J. This scope of work does not provide for structural design of retaining walls, review of walls designed by others, nor inclusion of structural details of any kind.
- Construction specifications will generally be included on the construction drawings. A/E intends to use City of Georgetown and County Standard Construction Specifications. If applicable specifications are not available through these entities, A/E intends to utilize the City of Austin or other City Construction Specifications which are acceptable to the jurisdictional authorities. Separate individual specifications can be prepared for the Project as an Additional Service.

K. Provide deliverables in accordance with County's Design Submittal Guidelines.

Phase IV – REGULATORY REVIEW AND PERMITS - Plans, Specifications, and Permits:

Upon County acceptance of previous phase, A/E shall proceed with the following:

A. When applicable, register the project with the Texas Department of Licensing and Regulation (TDLR) and obtain an EABPRJ number for inclusion on the project coversheet prior to Permit application submittal to the local jurisdiction having review authority. Register as the Owner's Designated Agent for further correspondence with TDLR and Registered Accessibility Specialist (RAS).

B. Participate in any Pre-submittal Meetings required by local jurisdiction prior to Permit application submittal.

C. Submit Plans, Specifications, and all other required documentation for construction Permit application for the project with the local jurisdiction having review authority. Notify County's PM of any required submittal fees to be paid by County.

D. Submit Construction Documents and Specifications to the Registered Accessibility Specialist (RAS) approved by County for Architectural Barriers plan review.

E. Receive and respond to permitting comments by the local jurisdiction having review authority.

F. Revise plans and specifications as necessary to conform to permitting, accessibility, and budget requirements without additional charge to County.

G. Williamson County Certificate of Compliance:

1. A/E understands that Williamson County Development Services Department will require that site plans be reviewed and approved for issuance of a Certificate of Compliance prior to the start of construction activities. A/E will prepare and submit site civil construction plans to the Development Services Department who will review the plans for compliance. A/E will coordinate services with others as required to support the application, monitor the status of the application, respond to "normal" comments, as defined by the Engineer and agreed to by the Owner, provided by the Development Services staff, and make "normal" revisions to complete the application in accordance with staff comments in an effort to obtain approval of the application. A/E assumes that two (2) rounds of comments will be required to be processed.

H. Hutto Fire Rescue:

- A/E understands that Hutto Fire Rescue, operating under Williamson County Emergency Services District No. 3 (WCESD#3), will require review and approval of site improvements located in the City of Hutto's ETJ. A/E will prepare and submit site civil construction plans to the WCESD#3 who will review the plans for compliance. A/E will coordinate services with others as required to support the application, monitor the status of the application, respond to "normal" comments, as defined by the Engineer and agreed to by the Owner, provided by the WCESD#3 staff, and make "normal" revisions to complete the application in accordance with staff comments in an effort to obtain approval of the application. A/E assumes that two (2) rounds of comments will be required to be processed.

I. Provide deliverables in accordance with County's Design Submittal Guidelines.

Phase V – CONSTRUCTION CONTRACT BIDDING, AWARD, AND EXECUTION

Upon County acceptance of previous phase, A/E shall proceed with the following:

A. Participate in a Pre-bid Meeting, answer RFI's from Contractors and suppliers, and prepare addenda items as required.

B. Provide deliverables in accordance with County's Design Submittal Guidelines.

Phase VI - CONSTRUCTION ADMINISTRATION - Project Observation

Upon County acceptance of previous phase, A/E shall perform the following services:

A. Provide general administration and be County's representative during the construction of the project. Advise, consult, and issue County's instructions to Contractor in writing with copies furnished to all parties. Prepare change orders and supplementary drawings.

B. Provide conformed construction drawing and specification sets for each issuance of Architect's Supplemental Instructions.

C. Conduct and oversee pre-construction meeting.

D. Process/ respond to Requests for Information, Change Proposals, Change Orders, Change Directives.

E. Review/ approve shop drawings, submittals, samples and mock-ups. Submit copies of each shop drawing and submittal of materials and equipment to County.

F. A/E to conduct and oversee bi-weekly progress up to three (3) meetings maximum.

G. Conduct site visits with personnel technically qualified by education and experience to competently observe relevant aspects of construction. Make necessary observations to determine if workmanship and quality of materials generally conform to the plans and specifications, and that provisions of the contract are complied with.

H. Reject work performed by Contractor which does not meet the requirements of the Construction Documents; and, order removal and replacement of such work.

I. Review progress estimates of work performed and invoiced by Contractor. Within **three (3) business days** of receipt, submit written reviews to County.

J. Coordinate Texas Accessibility Standards (TAS) Inspection to be concurrent with Substantial Completion Inspection.

K. Accompany County on Substantial Completion Inspection with appropriate staff and affiliates. Prepare a punch list of items needing correction. After Contractor has performed the required corrections, notify County in writing that the contract has been performed in general conformance with the plans and specifications and is ready for Final Inspection.

L. A/E will provide the Owner with the construction phase services listed below, which are related solely to the civil site improvements under this contract. The Owner will administer all construction contracts. A/E will:

1. A/E will consult with and advise the Owner and issue instructions to the contractor on civil engineering items requested by the Owner.

2. A/E will provide Engineer's concurrence letter, if required, to the jurisdictional authorities indicating that the civil-related facilities of the project for conformance with the design concept of the project and in general compliance with the Contract.

A/E shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor or the safety precautions and programs incidental to the work of the Contractor. A/E shall not guarantee the performance of the Contractor nor be responsible for the acts, errors, omissions, or the failure of the Contractor to perform the construction work in accordance with the Contract Documents.

M. Provide deliverables in accordance with County's Design Submittal Guidelines.

Phase VII – PROJECT CLOSE-OUT – Final Inspection and Document Review:

Upon County acceptance of previous phase, A/E shall perform the following services:

A. Accompany County on Final Inspection to determine if construction has been completed in general accordance with the Contract Documents.

B. Review warranties, guarantees, bonds, equipment operating instructions, and similar deliverables to verify receipt, and general conformance to requirements of the Contract.

C. After determining that the general requirements of the Plans and Specifications have been met, certify and approve Contractor's Final Application for Payment.

D. Upon completion of construction and prior to the request for final payment, make changes in the original REVIT or model CAD files of the Project to show changes made and noted by Contractor of the work and final location of the mechanical service lines and outlets including outside utilities. Develop project Record Construction Drawings and Specifications.

E. Provide deliverables in accordance with County's Design Submittal Guidelines.

The Owner will provide the following information, upon which A/E will rely:

1. Geotechnical report including recommendations for pavement section and subgrade design.

2. Existing as-built site plan layout in usable AutoCAD or DXF format.

EXHIBIT B

FEE SCHEDULE

This schedule indicates fees by Phase of the Basic Fee:

		$	**42,365**	100%
90%	**Eckermann Engineering, Inc.**	**$**	**38,315**	
10%	**Cuplin & Associates Land Surveyors**	**$**	**4,050**	
Phase I - SCHEMATIC DESIGN		**$**	**13,960**	33%
	Eckermann Engineering, Inc.	$	9,910	
	Cuplin & Associates Land Surveyors	$	4,050	
Phase III - CONSTRUCTION DOCUMENTS		**$**	**11,400**	27%
	Eckermann Engineering, Inc.	$	11,400	
	Cuplin & Associates Land Surveyors	$	-	
Phase IV - REGULATORY REVIEW AND PERMITS		**$**	**5,475**	13%
	Eckermann Engineering, Inc.	$	5,475	
	Cuplin & Associates Land Surveyors	$	-	
Phase V - BIDDING, AWARD, AND EXECUTION		**$**	**3,740**	9%
	Eckermann Engineering, Inc.	$	3,740	
	Cuplin & Associates Land Surveyors	$	-	
Phase VI - CONSTRUCTION ADMINISTRATION		**$**	**4,680**	11%
	Eckermann Engineering, Inc.	$	4,680	
	Cuplin & Associates Land Surveyors	$	-	
Phase VII - PROJECT CLOSE-OUT		**$**	**3,110**	7%
	Eckermann Engineering, Inc.	$	3,110	
	Cuplin & Associates Land Surveyors	$	-	

EXHIBIT C

PRODUCTION SCHEDULE

A/E agrees to complete the professional design services called for in **Exhibit A** of this Agreement within **Five Hundred (500) calendar days** from the date of this Agreement.

The above time limits may, for good cause, be extended, in writing, by County as the Project proceeds.

The schedule below indicates various project milestones and target dates.
Standard end-of-phase review periods for County shall be (21) calendar days.

Agreement Execution Date	**06/17/25**
Phase I - SCHEMATIC DESIGN	
Preliminary Scope and Budget analysis deliverables	07/17/25
30% Plans, Specifications and Estimate deliverables	08/15/25
County written authorization to proceed to next phase	08/27/25
Phase III - CONSTRUCTION DOCUMENTS	
Site Development Plans application submittal to City	10/27/25
Complete Plans, Specifications and Estimate deliverables	11/26/25
County written authorization to proceed to next phase	12/08/25
Phase IV - REGULATORY REVIEW AND PERMITS	
Sealed Plans and Specifications and Estimate deliverables to County	01/07/26
Plans submittal to TDLR and Permit application submittal to City	01/19/26
Construction Permits received from City	02/18/26
Phase V - BIDDING, AWARD, AND EXECUTION	
Permitted Plans and Specifications and Estimate deliverables to County	02/25/26
County advertises project for Bid	03/18/26
Contract Award	04/17/26

Phase VI - CONSTRUCTION ADMINISTRATION	
Contractor Notice to Proceed	04/24/26
Construction Substantial Completion	09/01/26

Phase VII - PROJECT CLOSE-OUT	
Record Documents deliverables	10/02/26

All services shall be complete on, or before: **10/30/26**

EXHIBIT D

Williamson County
Vendor Reimbursement Policy

The purpose of this Williamson County Vendor Reimbursement Policy ("Policy") is to provide clear guidelines to vendors on Williamson County's expectations and requirements regarding allowable reimbursable expenditures and required backup. The Policy will also minimize conflicts related to invoice payments and define non-reimbursable items. This Policy is considered a guideline and is not a contract.

This Policy may be altered, deleted or amended, at any time and without prior notice to vendors, by action of the Williamson County Commissioners Court. Unenforceable provisions of this Policy, as imposed by applicable law, regulations, or judicial decisions, shall be deemed to be deleted. Any revisions to this Policy will be distributed to all current vendors doing business with the County.

1. Invoices and Affidavits

1.1 Invoices must adequately describe the goods or services provided to County and include all required backup (i.e. reimbursable expenses, mileage log, timesheets, receipts detailing expenses incurred etc.) that is in a form acceptable to the Williamson County Auditor. Invoices that do not adequately describe the goods or services provided to County or contain backup that is satisfactory to the Williamson County Auditor will be returned to vendor for revisions and the provision above relating to invoice errors resolved in favor of the County shall control as to the required actions of vendor and when such invoice must be paid by the County.

1.2 In the event an invoice includes charges based upon hourly billing rates for services or any other rates based upon the amount of time worked by an individual or individuals in performing services, whether the charges are being billed directly to the County or whether they are the basis of invoices from subcontractors for which the vendor seeks reimbursement from the County, the charges shall be accompanied by an affidavit signed by an officer or principal of the vendor certifying that the work was performed, it was authorized by the County and that all information contained in the invoice that is being submitted is true and correct.

1.3 Upon County's request, vendor must submit all bills paid affidavits wherein vendor must swear and affirm that vendor has paid each of its subcontractors, laborers, suppliers and material in full for all labor and materials provided to vendor for or in connection with services and work performed for County and, further, vendor must swear and affirm that vendor is not aware of any unpaid bills, claims, demands, or causes of action by any of its subcontractors, laborers, suppliers, or material for or in connection with the furnishing of labor or materials, or both, for services and work performed for County.

2. Travel Reimbursement

2.1 The County will only cover costs associated with travel for vendors outside a 45-mile radius from the Williamson County Courthouse, 710 Main Street, Georgetown, Texas 78626.

2.2 The County will only cover costs associated with travel as documented work for County. If a vendor is also doing business for another client, the travel costs must be split in proportion to the amount of work actually performed for the County and the other client. The only allowable travel expense will be for the specific days worked for Williamson County.

2.3 No advance payments will be made to vendor for travel expenditures. The travel expenditure may only be reimbursed after the expenditure/trip has already occurred and vendor has provided the Williamson County Auditor with all necessary and required backup.

2.4 Vendors must submit all travel reimbursement requests on each employee in full. Specifically, a travel reimbursement request must include all related travel reimbursement expenses relating to a particular trip for which vendor seeks reimbursement. Partial travel reimbursement requests will not be accepted (i.e. vendor should not submit hotel and mileage one month then the next month submit rental car and airfare). If the travel reimbursement appears incomplete, the invoice will be sent back to the vendor to be submitted when all information is ready to submit in full.

2.5 Reimbursement for transportation costs will be at the most reasonable means of transportation (i.e.: airline costs will be reimbursed for coach rate, rental car costs will only be reimbursed if rental car travel was most reasonable means of travel as compared to travel by air).

2.6 The County will not be responsible for, nor will the County reimburse additional charges due to personal preference or personal convenience of individual traveling.

2.7 The County will not reimburse airfare costs if airfare costs were higher than costs of mileage reimbursement.

2.8 Additional expenses associated with travel that is extended to save costs (i.e. Saturday night stay) may be reimbursed if costs of airfare would be less than the cost of additional expenses (lodging, meals, car rental, mileage) if the trip had not been extended. Documentation satisfactory to the Williamson County Auditor will be required to justify expenditure.

2.9 County will only reimburse travel expense to necessary personnel of the vendor (i.e. no spouse, friends or family members).

2.10 Except as otherwise set forth herein, a vendor must provide a paid receipt for all expenses. If a receipt cannot be obtained, a written sworn statement of the expense from the vendor may be substituted for the receipt.

2.11 Sales tax for meals and hotel stays are the only sales taxes that will be reimbursed. Sales tax on goods purchased will not be reimbursed. A sales tax exemption form is available from the Williamson County Auditor's Office upon request.

2.12 The County will not pay for any late charges on reimbursable items. It is the responsibility of the vendor to pay the invoice first and seek reimbursement from the County.

3. Meals

3.1 Meal reimbursements are limited to a maximum of $59.00 per day on overnight travel. On day travel (travel that does not require an overnight stay), meal reimbursements are limited to a maximum of $25.00 per day. The travel must be outside the Williamson County Courthouse, 710 Main Street, Georgetown, Texas 78626 by a 45-mile radius.

3.2 Receipts are required on meal reimbursement amounts up to the maximum per day amount stated for overnight or day travel. If receipts are not presented, the vendor can request per diem (per diem limits refer to 3.2). However, a vendor cannot combine per diem and meal receipts. Only one method shall be allowed.

3.3 Meals are reimbursable only to vendors who do not have necessary personnel located within a 45-mile radius of the Williamson County Courthouse, 710 Main Street, Georgetown, Texas 78626, who are capable of carrying the vendor's obligations to the County. Meals will not be reimbursed to vendors who are located within a 45-mile radius of the Williamson County Courthouse.

3.4 County will not reimburse for alcoholic beverages.

3.5 Tips are reimbursable but must be reasonable to limitation of meal allowance

3.6 No meals purchased for entertainment purposes will be allowed.

3.7 Meal reimbursement must be substantiated with a hotel receipt.

4. Lodging

4.1 Hotel accommodations require an itemized hotel folio as a receipt. The lodging receipt should include name of the motel/hotel, number of occupant(s), goods or services for each individual charge (room rental, food, tax, etc.) and the name of the occupant(s). Credit card receipts or any other form of receipt are not acceptable.

4.2 Vendors will be reimbursed for a single room rate charge plus any applicable tax. If a single room is not available, the vendor must provide documentation to prove that a single room was not available in order to justify the expense over and above the single room rate. A vendor may also be required to provide additional documentation if a particular room rate appears to be excessive.

4.3 Personal telephone charges, whether local or long distance, will not be reimbursed.

5. Airfare

5.1 The County will only reimburse up to a coach price fare for air travel.

5.2 The County will exclude any additional charges due to personal preference or personal convenience of the individual traveling (i.e. seat preference charges, airline upgrades, etc. will not be an allowable reimbursement)

5.3 Air travel expenses must be supported with receipt copy of an airline ticket or an itinerary with actual ticket price paid. If tickets are purchased through a website, vendor must submit a copy of the webpage showing the ticket price if no paper ticket was issued.

5.4 Cancellation and/or change flight fees may be reimbursed by the County but vendor must provide the Williamson County Auditor with documentation in writing from a County department head providing authorization for the change.

5.5 The County will not reimburse vendor for tickets purchased with frequent flyer miles.

6. Car Rental

6.1 Vendors that must travel may rent a car at their destination when it is less expensive than other transportation such as taxis, airport shuttles or public transportation such as buses or subways.

6.2 Cars rented must be economy or mid-size. Luxury vehicle rentals will not be reimbursed. Any rental costs over and above the cost of a mid-size rental will be adjusted.

6.3 Vendors will be reimbursed for rental cars if the rental car cost would have been less than the mileage reimbursement cost (based on the distance from vendor's point of origin to Williamson County, Texas) had the vendor driven vendor's car.

6.4 Vendors must return a car rental with appropriate fuel levels as required by rental agreement to avoid the car rental company from adding fuel charges.

6.5 Rental agreement and credit card receipt must be provided to County as back up for the request for reimbursement.

6.6 Insurance purchased when renting vehicle may also be reimbursed.

6.7 Car Rental optional extras such as GPS, roadside assistance, and administrative fees on Tolls will not be reimbursed.

7. Personal Car Usage

7.1 Personal vehicle usage will be reimbursed in an amount equal to the standard mileage rate allowed by the IRS.

7.2 Per code of Federal Regulations, Title 26, Subtitle A, Chapter 1, Subchapter B, Part IX, Section 274(d), all expense reimbursement requests must include the following:

7.2.1.1 Date

7.2.1.2 Destination

7.2.1.3 Purpose

7.2.1.4 Name of traveler(s)
7.2.1.5 Correspondence that verifies business purpose of the expense

7.3 The mileage for a personal vehicle must document the date, location of travel to/from, number of miles traveled and purpose of trip.

7.4 Mileage will be reimbursed on the basis of the most commonly used route.

7.5 Reimbursement for mileage shall not exceed the cost of a round trip coach airfare.

7.6 Reimbursement for mileage shall be prohibited between place of residence and usual place of work.

7.7 Mileage should be calculated from employee's regular place of work or their residence, whichever is the shorter distance when traveling to a meeting or traveling to Williamson County, Texas for vendors who are located outside of the Williamson County Courthouse, 710 Main Street, Georgetown, Texas 78626 by at least a 45-mile radius.

7.8 When more than one person travels in same vehicle, only one person may claim mileage reimbursement.

7.9 Tolls, if reasonable, are reimbursable. Receipts are required for reimbursement. If a receipt is not obtainable, then written documentation of expense must be submitted for reimbursement (administrative fees on Tolls will not be reimbursed).

7.10 Parking fees, if reasonable are reimbursable for meetings and hotel stays. For vendors who contract with a third party for visitor parking at vendor's place of business, Williamson County will not reimburse a vendor based on a percentage of its contracted visitor parking fees. Rather, Williamson County will reimburse Vendor for visitor parking on an individual basis for each time a visitor uses Vendor's visitor parking. Receipts are required for reimbursement. If a receipt is not obtainable, then written documentation of expense must be submitted for reimbursement.

7.11 Operating and maintenance expenses as well as other personal expenses, such as parking tickets, traffic violations, and car repairs and collision damage are not reimbursable.

8. Other Expenses

8.1 Taxi fare, bus tickets, conference registrations, parking, etc. must have a proper original receipt.

9. Repayment of Non-reimbursable Expense.

Vendors must, upon demand, immediately repay County for all inappropriately reimbursed expenses whenever an audit or subsequent review of any expense reimbursement documentation finds that such expense was reimbursed contrary to these guidelines and this Policy. Williamson County reserves the right to retain any amounts that are due or that become due to a vendor in order to collect any inappropriately reimbursed expenses that a vendor was paid.

10. Non-Reimbursable Expenses

In addition to the non-reimbursable items set forth above in this Policy, the following is a non-exhaustive list of expenses that will not be reimbursed by Williamson County:

10.1 Alcoholic beverages/tobacco products
10.2 Personal phone calls
10.3 Laundry service
10.4 Valet service (excludes hotel valet)
10.5 Movie rentals
10.6 Damage to personal items
10.7 Flowers/plants

10.8 Greeting cards
10.9 Fines and/or penalties
10.10 Entertainment, personal clothing, personal sundries and services
10.11 Transportation/mileage to places of entertainment or similar personal activities
10.12 Upgrades to airfare, hotel and/or car rental
10.13 Airport parking above the most affordable rate available
10.14 Excessive weight baggage fees or cost associated with more than two airline bags
10.15 Auto repairs
10.16 Babysitter fees, kennel costs, pet or house-sitting fees
10.17 Saunas, massages or exercise facilities
10.18 Credit card delinquency fees or service fees
10.19 Doctor bills, prescription and other medical services
10.20 Hand tools
10.21 Safety Equipment (hard hats, safety vests, etc.)
10.22 Office Supplies
10.23 Lifetime memberships to any association
10.24 Donations to other entities
10.25 Any items that could be construed as campaigning
10.26 Technology Fees
10.27 Sales tax on goods purchased
10.28 Any other expenses which Williamson County deems, in its sole discretion, to be inappropriate or unnecessary expenditures.

EXHIBIT E
DEBARMENT CERTIFICATION

STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

1. I, the undersigned, being duly sworn or under penalty of perjury under the laws of the United States and the State of Texas, certifies that A/E and its principals:

    a. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or agency:

    b. Have not, within a three-year period preceding this proposal, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public* transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

    c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity* with commission of any of the offenses enumerated in **Paragraph 1(b)** of this certification;

    d. Have not, within a three-year period preceding this application/proposal, had one or more public transactions* terminated for cause or default; and

    e. Have not been disciplined or issued a formal reprimand by any State agency for professional accreditation within the past three years.

Eckermann Engineering, Inc.

Signature of Certifying Official

Derrek Eckermann
Printed Name of Certifying Official

President
Title of Certifying Official

5/30/2025
Date

2. Where the PROVIDER is unable to certify to any of the statements in this certification, such PROVIDER shall attach an explanation to this certification.

* federal, state, or local

SUBSCRIBED and sworn to before me, the undersigned authority, by Derrek Eckermann (Signatory Name) the President (Signatory Title) of Eckermann Engineering, Inc (Entity Name), on behalf of said firm.

TAYLOR KATLIN MARTIN
Notary Public, State of Texas
Comm. Expires 03-11-2026
Notary ID 129526379

Notary Public in and for the
State of Texas

My commission expires: 3/11/2026

EXHIBIT F

CERTIFICATES OF INSURANCE

A/E and Subconsultant Certificates of Insurance attached:

DESCRIPTIONS (Continued from Page 1)

provides Additional Insured status to the Certificate Holder only when there is a written contract that requires such status, and only with regard to work performed on behalf of the named insured. All policies provide a Blanket Waiver of Subrogation when required by written contract. The Gen Liab. & Auto Liab. policies contains a special endorsement with "Primary and Noncontributory" wording with respects to the sole negligence of the named insured, when required by written contract.

Specific Client Excess limits of $1,000,000 available for All Projects for Williamson County, Texas

CONSULTANT
DESIGN DELIVERABLE
GUIDELINES



Facilities Management Division
3101 SE Inner Loop
Georgetown, TX 78626

Design services shall be conducted in Phases as outlined herein. Depending on project scope, not all items apply. Depending on project complexity and scope, Phases may be consolidated to expedite design delivery. Rejection procedures are outlined at the end of this document.

SCHEMATIC DESIGN PHASE

The interim deliverable early in this phase shall be used to document and validate project requirements and allocated construction budget.

This deliverable shall consist of the following PDF documents:

1) Opinion of probable cost to validate or modify preliminary construction budget provided by County.
2) Detailed design narrative to validate or modify Preliminary Scope of Work provided by County.
3) Initial design delivery schedule.

The deliverable at the end of this phase represents approximately 30% of the design effort and shall be of sufficient detail to show how the users' functional and technical requirements will be met.

This deliverable shall consist of the following PDF documents:

1) Budget Analysis
    a. If self-performed, provide an updated opinion of probable cost.
    b. If utilizing a professional cost estimator, participating in a CMAR or Design-Build project, coordinate with Cost Estimator or General Contractor to provide a preliminary cost estimate based upon schematic design information.
2) Design narrative
    a. include modifications to Preliminary Scope of Work provided by County.
    b. include preliminary engineering calculations for ALL disciplines required for project scope.
3) Schematic Specifications
    a. include completed Cover Sheet with draft Table of Contents for ALL disciplines required for project scope.
4) Schematic drawing set for ALL disciplines required for project scope
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
    c. include completed Cover Sheet with draft Index of Drawings for ALL disciplines required for project scope and applicable code compliance list.
    d. See specific minimum requirements for each discipline (if required for project scope):

Civil:	Provide concept Site Plan with grading and roadway layout
	Determine water supply and wastewater service
	If septic system is required, determine system type and size
Structural:	Determine concept structural system(s)
Architecture:	Plans, Elevations, overall Sections marked for Detail Sections
	Block-out window, door, finish and wall type schedules
Electrical:	Determine lighting type(s)
	Determine electrical distribution type(s)
	Review drawings for adequate space for electrical system(s)
	Initiate contacts with electric and telephone service providers
Mechanical:	Determine HVAC type(s)
	Review drawings for adequate space for HVAC system(s)
Plumbing:	Verify adequate sanitary sewer fall from building elevation
IT / Security:	TBD

5) Updated design delivery schedule.

DESIGN DEVELOPMENT PHASE

The deliverable at the end of this phase represents approximately 60% of the design effort and is intended to verify that the drawings, design analysis, specifications, and cost estimate are proceeding in a timely manner and that the design criteria and previous review comments have been correctly interpreted.

This deliverable shall consist of the following PDF documents:

1) Budget Analysis
    a. If self-performed, Architect shall provide an updated opinion of probable cost
    b. If utilizing a professional cost estimator or participating in a CMAR project, coordinate with Cost Estimator or General Contractor to provide a detailed cost estimate based upon design development information.
2) Design Analysis developed to approximately 60% completion
3) Red-lined marked-up specification sections for ALL disciplines required for project scope.
4) Approximately 60% complete drawings including those addressing construction phasing
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
    c. See specific requirements for each discipline (if required for project scope):

Civil:	Provide refined Site Plan with grading, roadway and parking
	Establish license / service agreements for water and wastewater
	If septic system is required, submit permit application to Wilco OSSF
Structural:	Provide preliminary design of structural systems
	Assist in obtaining Geotech borings
Architectural:	Noted Plans, Elevations, and Sections
	Floor, wall, roof Sections marked for Details
	Draft window, door, finish and wall type Schedules
Electrical:	Light fixtures located on drawings
	Receptacles located on drawings
	Panels located on drawings
	Circuits laid-out in single-line form
	Fixture schedule 60% complete
	Panels schedule 60% complete
	Riser diagram(s) 60% complete
Mechanical:	Equipment schedule complete
	Equipment located
	Ductwork laid-out
	Diffuser schedule complete
Plumbing:	Plumbing fixtures located on drawings
	Plumbing lines laid-out
	Fixture schedule(s) 60% complete
	Riser diagram(s) 60% complete
IT / Security:	TBD

5) Preliminary Material Finishes and Selections board
6) Updated design delivery schedule.
7) Sealed Site Permit drawings.

CONSTRUCTION DOCUMENTATION PHASE

*The deliverable at the end of this phase represents completion of proposed Construction Documents (**NO SEALS**) subject to incorporation of any review comments resulting from review of deliverable*.

This deliverable shall consist of the following PDF documents:

1) Budget Analysis
    a. If self-performed, Architect shall provide an updated opinion of probable cost
    b. If utilizing a professional cost estimator or participating in a CMAR project, coordinate with Cost Estimator or General Contractor to provide a final detailed cost estimate based upon construction documents.
2) Design Analysis with all items complete. It shall include all backup material previously submitted and revised (as necessary), all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications.
3) Final edited specifications (**NO SEALS**).
4) Complete Drawings including those addressing project construction phasing. (**NO SEALS**)
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
    c. TDLR registration number included on Cover Sheet.
    d. See specific requirements for each discipline (if required for project scope):

Civil:	Details complete
	Approved licensing agreements and permits
Structural:	Details complete
Architecture:	Door / Window schedules complete
	Interior finish schedule(s) complete
	Details complete
Electrical:	Fixture schedule complete
	Panels schedule complete
	Riser diagram(s) complete
	Details complete
Mechanical:	Equipment schedule complete
	Diffuser schedule complete
	Details complete
Plumbing:	Fixture schedule complete
	Riser diagram(s) complete
	Irrigation connections complete (if required)
	Details complete
IT / Security	TBD

5) Final Material Finishes and Selections board
6) Proposed construction schedule.

REGULATORY REVIEW & PERMITTING PHASE

The deliverable at the end of this phase includes BIM/AutoCAD files and permitted Construction Documents.

At the beginning of this phase provide the following PDF documents for record:

1) Sealed Construction Drawings.
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
2) Sealed Specifications.
3) Complete Drawings submitted to Registered Accessibility Specialist (RAS) for review.

This deliverable shall consist of updated **REVIT model / AutoCAD DWGs** and the following PDF documents:

1) Permitted Site Development Drawings.
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
2) Permitted Construction Drawings.
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
3) Permitted Specifications.

CONSTRUCTION CONTRACT BIDDING, AWARD, & EXECUTION PHASE

The deliverable at the end of this phase includes BIM/AutoCAD files and revised Construction Documents.

This deliverable shall consist of updated **REVIT model / AutoCAD DWGs** and the following PDF documents:

1) Construction Drawings Addenda.
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
2) Specifications Addenda.
3) Bid Tabulation

CONSTRUCTION ADMINISTRATION PHASE

Various deliverables are required throughout this phase

As required, provide the following PDF documents:

1) Copies of Change Orders and Supplementary Drawings
2) Copies of reviewed shop drawings and submittals
3) Conformed drawing set for each issuance of Architect's Supplemental Instructions.
4) Reviews of Contractor's Pay Applications
5) Punch list of items needing correction before Substantial Completion Inspection
6) Written notice that contract has been performed in general conformance with plans and specifications and is ready for Final Inspection.

PROJECT CLOSE-OUT PHASE

The deliverable at the end of this phase includes record BIM/AutoCAD files and record Construction Documents.

This deliverable shall consist of updated **REVIT model / AutoCAD DWGs** and the following PDF documents:

1) "Clean" PDF of Building Plan(s) w/ Room #s coordinated with Fire Marshal review.
2) Record Construction Drawings.
    a. Sheet size shall not exceed ANSI-D (22x34) at 150 dpi max.
    b. PDF documents shall be of emailable size (i.e. 10MB max.)
3) Record Specifications.
4) Reviewed and compiled warranties, guarantees, and operation manuals

DELIVERABLE REVIEW STAMP

For standardization purposes during design Phases:

1) DO NOT track design review deliverables in the Revisions table of the Title Block.

2) Affix Interim Stamp with appropriate information in the location the Architect / Engineer seal will appear on each drawing sheet and Specifications title page.

3) See adjacent example for "Interim Stamp"



REJECTION OF DELIVERABLE

If the requirements of any deliverable phase are not met, the County will implement the following procedures:

1) The County will provide e-mail notice to Consultant that deliverable is rejected as soon as practical. Notice may include summary of deficiencies, red-line mark-ups, etc.

2) Consultant shall have seven (7) business days to resubmit with all required elements of the given review phase.

3) Within two (2) days of receipt of resubmission, the County will provide notice to Consultant that deliverable is accepted. At which point, the regular the County review process shall restart for the given review phase.

4) Rejected Consultant deliverables shall not impact overall deadline of the Project nor the review period allotted to the County officials.

5) Consultant shall provide an updated schedule showing interim submission date changes to make-up for any lost time.

6) Consultant shall not submit an invoice until the County accepts a Phase deliverable as functionally complete.

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1317523

Date Filed:
05/30/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Eckermann Engineering, Inc.
Lampasas, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

P718
Civil Engineering Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is Derrek Eckermann, and my date of birth [redacted].

My address is [redacted] (street) (city) (state) (zip code) (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Lampasas County, State of Texas, on the 30 day of May (month), 20 25 (year).

Derrek Eckermann

Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1317523

Date Filed:
05/30/2025

Date Acknowledged:
06/02/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Eckermann Engineering, Inc.
Lampasas, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

P718
Civil Engineering Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____County, State of _____, on the _____day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **24.**

Meeting Date: 06/10/2025

Halff 2572 WA4 SA3 Atlas 14

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on Supplemental No. 3 to Work Authorization No. 4 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Salado Creek Basin Study plus Berry Creek Hydraulics & Technical Review) contract between Williamson County and Halff Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

Background

The Halff Associates, Inc. Supplemental No. 3 to Work Authorization No. 4 is for additional LiDAR services in the amount of $455,652.00. This WA amount stays under the contract cap.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Halff 2572 WA4 SA3 Atlas 14

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/30/2025 11:52 AM
County Judge Exec Asst.	Delia Colon	05/30/2025 04:20 PM
Form Started By: Vicky Edwards		Started On: 05/28/2025 10:43 AM
Final Approval Date: 05/30/2025		

SUPPLEMENTAL WORK AUTHORIZATION NO. 3
TO
WORK AUTHORIZATION NO. 4

WILLIAMSON COUNTY ROAD BOND PROJECT:
Atlas 14 Floodplain Mapping Update – Study Area Analysis ("Project")

This Supplemental Work Authorization No. 3 to Work Authorization No. 4 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 24, 2020 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Halff Associates, Inc. (the "Engineer").

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, changed and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on December 31, 2025. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased by $455,652.00 from $3,311,409 to $3,767,061.00. The revised Work Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

The Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization No. 3 to Work Authorization No. 4, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
Halff Associates, Inc.	**Williamson County, Texas**
By: Stephen Crawford	By:
Signature	Signature
Stephen Crawford	
Printed Name	Printed Name
Vice President	
Title	Title
May 15, 2025	
Date	Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer
Attachment C - Work Schedule
Attachment D - Fee Schedule

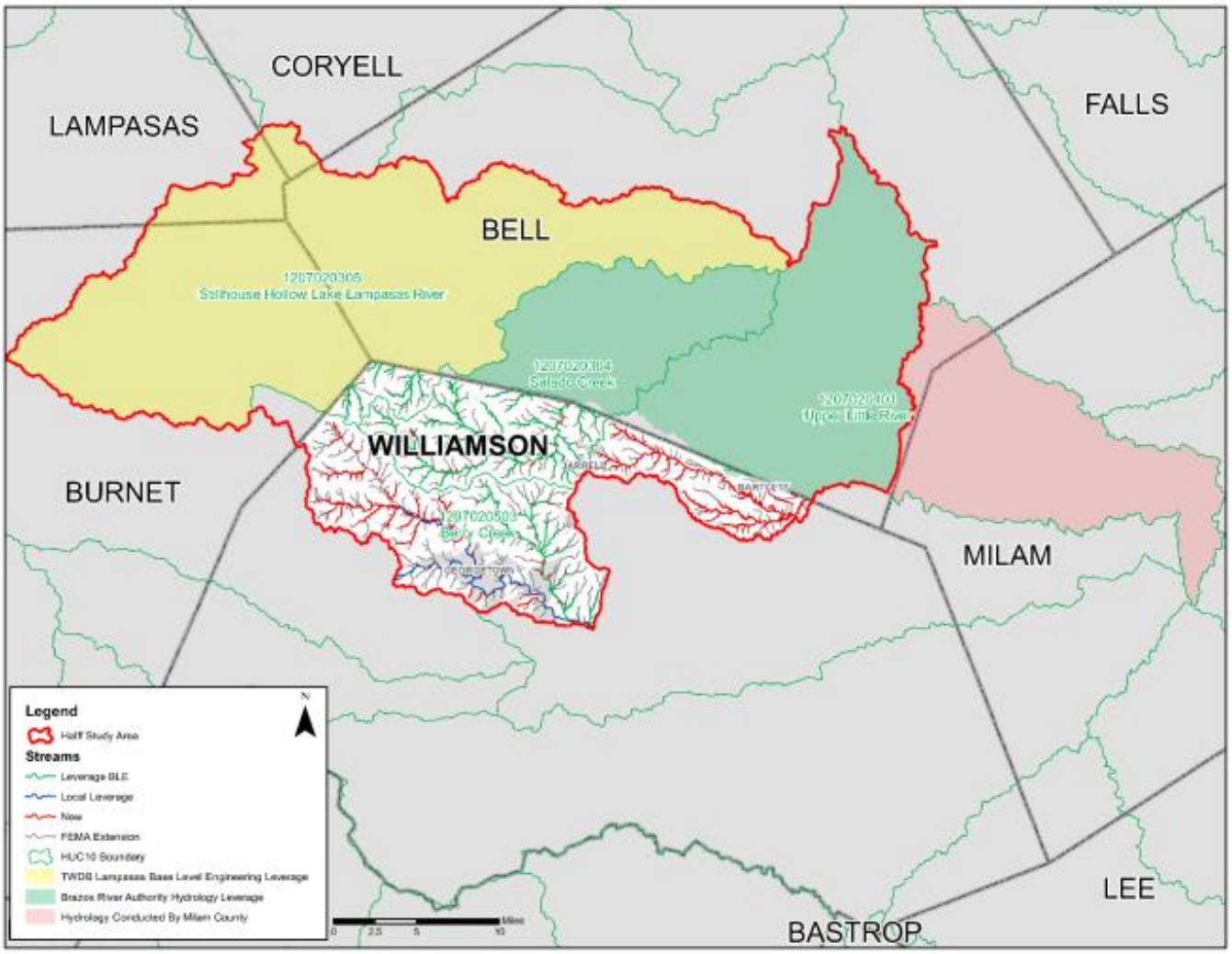
APPROVED
By Christen Eschberger at 2:18 pm, May 21, 2025

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 4 - Supplemental Work Authorization No. 3
Study Area LiDAR Update of Unincorporated Areas in the Salado Basin plus Berry Creek Hydraulics & Limited County-wide Technical Program Management Tasks

PROJECT DESCRIPTION

Project Area

Areas within the Williamson County Atlas 14 Floodplain Mapping Project for Salado and Berry Creek watershed extents. The primary area is Williamson County with hydrology including portions of Burnet, Lampasas, Coryell and Bell Counties.



Proposed Project

Provide the County with technical program management (TPM) services for two stakeholder meetings, terrain development and analysis, as well as independent quality assurance and quality control (QA/QC). Conduct existing condition hydrology, hydraulics, and mapping updates utilizing newly available 2024 LiDAR in areas where significant changes have occurred. All analysis shall be in accordance with the Williamson County bulleted Technical Standards developed specifically for the Atlas 14 Floodplain Mapping Project. The analysis shall also be in accordance with FEMA guidance and mapping standards.

The analysis will include the streams shown in the Project Area graphic. Table 1 displays the study stream types and associated stream miles. The recurrence intervals listed in Table 2 shall be used to develop the hydrologic and hydraulic models and associated floodplain mapping products.

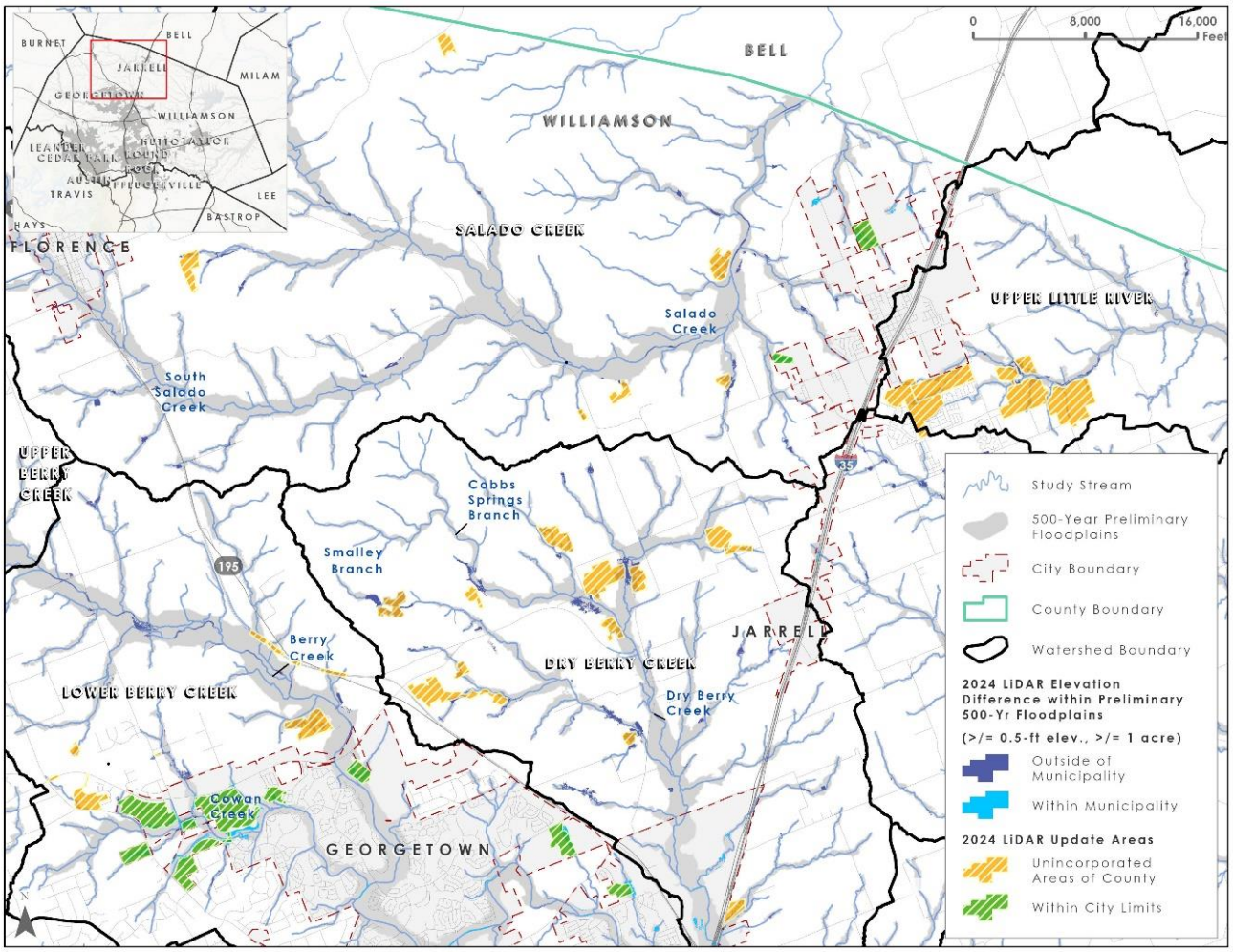
Table 1. Study Stream Types and Mileage

Study Classifications	Stream Miles
Zone AE	117
Zone A (Extensions)	50
Totals	**167**

Table 2. Study Requirements for Modeling and Mapping

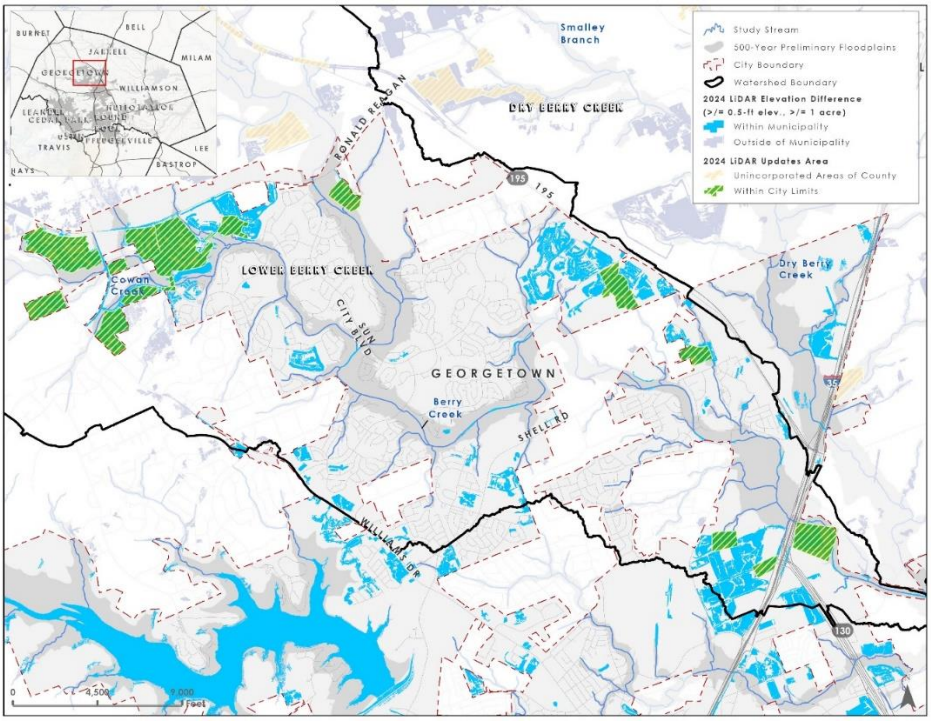
(F = required by FEMA)		Land-Use Conditions					
(W = required by Wilco)		Existing Conditions					
Recurrence Interval Years (Annual % Chance Event)		2 (50%)	10 (10%)	25 (4%)	50 (2%)	100 (1%)	500 (0.2%)
Models	Hydrology	**W**	**F**	**F**	**F**	**F**	**F**
	Hydraulics	**W**	**F**	**F**	**F**	**F**	**F**
Detailed Analysis (Zone AE) Products	Floodplains					**F**	**F**
	Water Surface Elevation Grids					**F**	**F**
	Depth Grids					**F**	**F**
Limited Detailed Analysis (Zone A) Products	Floodplains					**F**	
	Water Surface Elevation Grids					**F**	
	Depth Grids					**F**	

The analysis for Williamson County's unincorporated areas includes hydrologic updates for 12 subbasins within the Salado watershed and hydraulic updates at 12 locations, with an additional 20 locations in the Berry Creek watershed. The areas identified for modeling and mapping are shown in the map below.

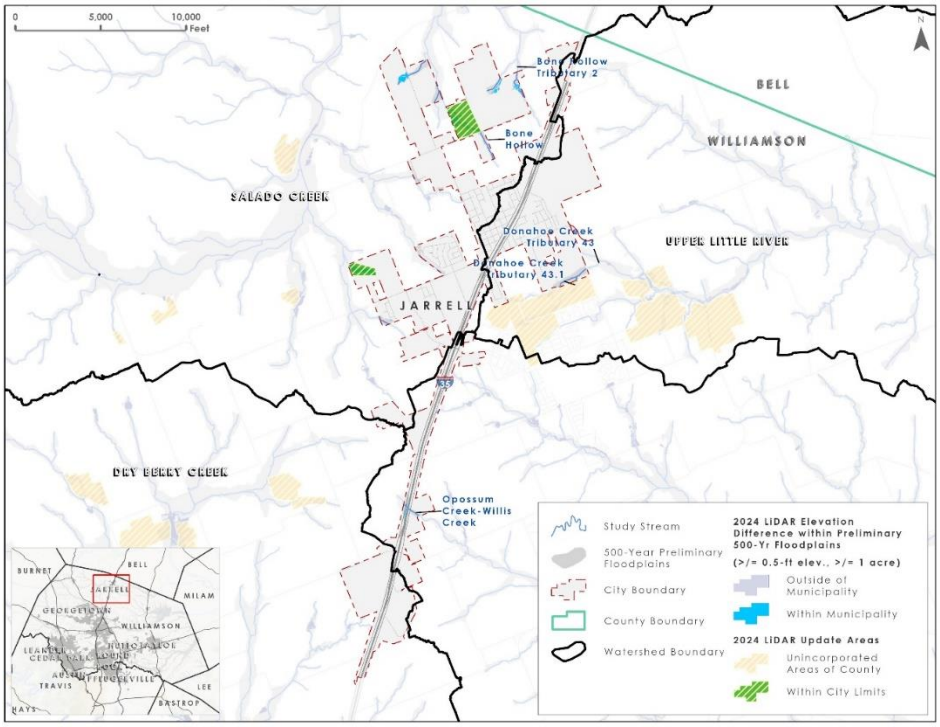


Work to be completed within this scope of work is for areas Outside of Municipality within the above listed watershed extents. Effort for Lidar updates in municipalities to be completed in a separate scope of work.

The analysis for the City of Georgetown includes hydraulic updates at 18 locations within the Berry Creek Watershed. The hydraulic updates will consist of modeling and mapping refinements. The areas of notable changes for the City of Georgetown are highlighted in the map below.



The analysis for the City of Jarrell includes hydraulic updates at 2 locations within the Salado Creek Watershed. The hydraulic updates will consist of modeling and mapping refinements. The areas of notable changes for the City of Jarrell are highlighted in the map below.



PROJECT SCOPE

1. PROJECT MANAGEMENT & COORDINATION

   a. Monthly Progress Report, Invoices, and Billings (12 months assumed):

      1. Submit monthly progress status reports to the General Engineering Consultant (GEC). Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      2. Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. Project Coordination & Administration:

      1. Prepare and maintain routine project record keeping including records of meetings and minutes. Correspondence and coordination with outside entities will be handled through and with the concurrence of the GEC.

      2. Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review subconsultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries. This task accounts for modeling study area and Technical Program Manager (TPM) services general project management.

   c. Stakeholder Meetings (2 virtual stakeholder meetings):

      1. Attend two (2) coordination meetings with study area project stakeholders (Williamson County, GEC, Technical Program Manager, TWDB, local and state partners) throughout the duration of the project. Ideally these two meetings would include a kickoff with the validation of the LiDAR update modeling methodologies as well as a flood risk meeting near the end of the project to review draft mapping and reporting.

   d. Progress/Coordination Meetings:

      1. TPM: Coordinate efforts for county-wide outreach consisting of two (2) virtual county-wide stakeholder meetings. The two (2) stakeholder meetings shall include: 1) county-wide kick-off meeting and 2) presentation of project results. The activities listed below are included in this task:

         - Attend up to four (4) virtual, one-hour preparation meetings with the County, GEC and outreach consultant, to discuss and develop project messaging and process prior to the stakeholder meetings. The outreach consultant is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

         - Coordinate with AECOM and Doucet prior to each stakeholder meeting to discuss watershed specific information necessary for the public meetings. No meeting minutes are necessary for this task.

- Prepare presentation slides, exhibits, and maps in digital format for each stakeholder meeting. Note: This scope assumes one draft and one final deliverable.
- Attendance and facilitation of the stakeholder meetings is conducted under Task 1c.
- Assist the County in addressing questions and inquires following the stakeholder meetings by providing written responses. This scope assumes this effort not to exceed 20 hours.

DELIVERABLES:

1. Up to 14 Monthly Invoices and Progress Reports
2. TPM: Stakeholder Meeting content for 2 meetings (presentation slides, exhibits, and maps in digital format)

2. DATA COLLECTION

a. Terrain Development and Analysis (county-wide):

1. TPM: Obtain the 2024 LiDAR and develop a Williamson County seamless Digital Elevation Models (DEMs) for hydrologic and hydraulic analysis and mapping tasks.
2. TPM: Using the prior modeling terrains from the modeling consultants, perform a computation of hydraulic DEM differences between the 2024 LiDAR and the prior modeling (2017/2015) elevations.
3. TPM: Establish thresholds for elevation and area changes that warrant modeling updates and identify general areas with significant differences that may require updates throughout the county. These areas will be compared to previously identified new development sites and quarries.
4. TPM: Conduct internal QA/QC of the terrain, difference raster, and areas of change prior to submission to Williamson County for review.

b. Terrain Comparison:

1. Using the provided difference raster; identify locations where the terrain changes warrant updates to subbasin boundaries and hydraulic models. Generate a polygon shapefile indicating areas where existing condition models will be updated with 2024 LiDAR. (study area only)
2. Generate a final hydraulic terrain for the study area by taking the 2017/2015 DEM and incorporating areas of the 2024 LiDAR where modeling updates will be conducted. This scope assumes the terrain update to include 14 locations in the Salado watershed,38 locations in the Berry Creek watershed and not to exceed 197 additional locations identified by other study area teams.
3. Conduct internal QA/QC on the of the terrain prior to submission to Williamson County for review.

c. Field Reconnaissance:

1. Using the latest, most accurate data available from the County and other agencies in form of as-builts; or performing field reconnaissance of no more than 24 structures to support hydraulic modeling updates.

DELIVERABLES:

1. TPM: County-wide 2024 hydrologic (3m) and hydraulic (1m) DEMs
2. TPM: Difference raster
3. TPM: Polygon shapefile indicating general areas with notable differences
4. Polygon shapefile indicating areas where model updates will be conducted
5. TPM: Updated county wide hydraulic DEM (mosaic of 2017/2015 LiDAR with 2024 LiDAR)
6. Field Reconnaissance photographs and field sketches.

3. HYDROLOGIC ANALYSIS

This effort includes leveraging the existing condition hydrologic analysis conducted in a prior work authorization. Minor hydrologic updates will be conducted on the existing condition hydrology to reflect updated 2024 LiDAR. Consistent with Table 2 above, updated existing condition hydrologic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Specific tasks include:

a. Update Prior Existing Condition Hydrologic Analysis:

   1. Utilizing the polygon areas identified under Task 2b, evaluate subbasin delineations within 12 locations to reflect updated LiDAR. Only in these 12 locations, perform subbasin delineation adjustments where model results will have a measurable (5%) impact.
   2. For only the subbasins that were altered, compute updated hydrologic parameters (updates to existing land use, curve number, percent impervious, flow path, time of concentration, and routing) following technical methodologies consistent with the prior existing condition analysis.
   3. Update the prior existing condition hydrologic analysis to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events.

b. Internal QA/QC:

   1. Conduct internal QA/QC of the updated existing condition hydrologic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydrologic updates.
      - Subbasin and Parameter Adjustments – Review of 2024 LiDAR adjusted subbasin delineations and computed hydrologic parameters for adjusted subbasins relative to the prior hydrologic analysis.
      - Updated Existing Conditions Hydrology – Review of updated hydrologic models, calculation/comparison spreadsheets, supporting data, and reporting.
   2. Submit hydrologic data and internal review checklists for county review. It is anticipated that these two (2) hydrologic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
   3. Reconcile county comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydrologic changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydrologic memorandum and dataset submittal (hydrologic modeling notebook, reporting support, hydrologic model, supporting calculation spreadsheets, and GIS files – final updated land use, soils, subbasins, and longest flow paths)

4. HYDRAULIC ANALYSIS AND MAPPING

This effort includes leveraging the existing condition hydraulic analysis conducted in a prior work authorization. Minor hydraulic updates will be conducted on the existing condition hydraulics to reflect updated 2024 LiDAR. Existing condition hydraulic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Consistent with the existing condition analysis, all hydraulic analysis will include one-dimensional (1D), steady-state modeling using detailed analysis (Zone AE) for 117 stream miles and limited detailed analysis (model-backed Zone A) for 50 stream miles. Specific tasks include:

a. Update Prior Existing Condition Hydraulic Analysis:

   1. Utilizing the polygon areas identified under Task 2b, evaluate cross-section alignments within 52 locations to reflect updated LiDAR. Only in these 52 locations, perform cross-section alignments adjustments.

   2. For only the cross-sections that were altered, compute updated hydraulic parameters (elevations, roughness coefficients, expansion/contraction coefficients, ineffective areas and blocked obstructions) following technical methodologies consistent with the prior existing condition analysis.

   3. This task assumes the inclusion of 24 new crossings in the 52 locations that were updated. These new crossings will be based on as-built plans provided by the County and municipalities or measurements collected during field reconnaissance. It is assumed no manual terrain modifications are necessary for this update.

   4. Update the prior existing condition hydraulic analysis with updated hydrologic flows to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. This task also assumes model adjustments to uncross profiles and ensure model containment.

   5. Update the existing condition floodplain mapping, including depth and water surface grids, to ensure alignment with LiDAR modeling updates. Additionally, ensure smooth tie-ins and cross-section alignments at confluences.

b. Internal QA/QC:

   1. Conduct internal QA/QC of the updated existing condition hydraulic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydraulic updates.

      - Cross-Section Adjustments – Review of 2024 LiDAR adjusted cross-section alignments relative to the prior cross-section alignments.

- Updated Existing Conditions Hydraulics and Mapping – Review of updated hydraulic models, updated mapping, updated depth and water surface grids, and reporting.

2. Submit hydraulic data and internal review checklist for county review. It is anticipated that these two (2) hydraulic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
3. Reconcile County comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydraulic and mapping changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydraulic memorandum and dataset submittal (hydraulic modeling notebook, reporting support, hydraulic models, supporting GIS files – centerlines, cross-sections, n-values, floodplains, water surface elevation grids, and depth grids)

5. INDEPENDENT QA/QC

This effort includes independent technical review of hydrologic, hydraulic and mapping production for AECOM and Doucet submittals. Technical reviews will follow the technical guidelines and QA/QC documents for the program. It is assumed that this effort will not exceed 197 areas of model updates between the two teams.

a. Coordinate QC Meetings (8 virtual meetings assumed):
    1. A set of eight (8) meetings will be conducted for AECOM and Doucet to advance work order tasks and coordinate QC comments and resolution.

b. Independent Technical Review
    1. Conduct fifty-four (54) independent reviews of consultant hydrology, hydraulics, and mapping. The anticipated reviews include a review of the three (3) hydrologic milestones and three (3) hydraulic and mapping milestones per team. Submittals are assumed to be one (1) hydrologic review and eight (8) batch hydraulic and mapping reviews per team. It is anticipated that these milestone reviews include an initial review and one backcheck to clear comments. A set of fifty-four (54) reviews will be conducted for AECOM and Doucet submittals.

DELIVERABLES:

1. TPM: Independent QA/QC forms for eighteen (18) independent reviews of consultant hydrology, hydraulics, and mapping.

6. DOCUMENTATION

This effort includes preparation of an addendum memorandum for the prior Atlas 14 Floodplain Study report. The memorandum shall provide a thorough explanation of all updated procedures, assumptions, special considerations, comparisons, checkpoints, independent QA/QC, and planning results. Specific tasks include:

a. Documentation (Study Area):

   1. Prepare an existing condition addendum memorandum documenting the updated existing condition study approach, data collection, hydrologic analysis, hydraulic analysis, and modeling results.

   2. Prepare supporting digital information including computation spreadsheets, hydrologic models, hydraulic models, and supporting geospatial data. A digital copy of the memorandum will also be provided.

DELIVERABLES:

1. Draft existing condition addendum memorandum submittal describing the methods, assumptions, and results of the study area including supporting information, models, and GIS datasets.
2. Final existing condition addendum memorandum with reconciled independent QA/QC comments.

PROJECT ASSUMPTIONS

General Project Assumptions

1. The Outreach Consultant will be responsible for all administrative tasks related to stakeholder and public outreach, such as scheduling, advertisement, recording/documentation, meeting minutes, reproduction, and other duties as needed.
2. It was determined that 14 locations in the Salado watershed, 35 locations in the Berry Creek watershed and no more than 197 additional locations identified by other study area teams (developments and quarries) require updates to reflect terrain changes. If additional locations are identified, a change order will be required for existing condition modeling and mapping updates in those areas.
3. No wholistic existing condition modeling updates will be conducted such as broad updates of the existing condition land use layer, roughness coefficients, hydrologic routing, or adjustments to the Atlas 14 rainfall totals.
4. Natural LiDAR deviations due to vegetative cover, seasonal permanent pool fluctuations, channel erosion, base flow, etc. will not warrant modeling or mapping updates.
5. It is assumed that new developments planned or constructed after the 2024 LiDAR collection date (requiring manual development of DEMs based on construction plans) will not be included.
6. It is assumed that LiDAR updates are not necessary for areas outside of Williamson County.
7. Work to be completed within this scope of work is for areas Outside of Municipality within the above listed watershed extents. Effort for Lidar updates in municipalities to be completed in a separate scope of work.

Project Exclusions

1. Support and attendance of public meetings
2. Field survey and field reconnaissance
3. Manual development of DEMs
4. Update of gage analysis, historical simulations, or comparisons to any other newly avaliable datasets beyond the comparisons in the prior existing condition analysis
5. Flood risk mitigation analysis
6. Grant application development

ATTACHMENT C
WORK SCHEDULE
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 4 - Supplemental Work Authorization No. 3
Study Area LiDAR Update of Unincorporated Areas in the Salado Basin plus Berry Creek Hydraulics & Limited County-wide Technical Program Management Tasks

TASK	DURATION (working days)	START	END
Notice to Proceed	1	30-May-25	
1. PROJECT MANAGEMENT	131	30-May-25	30-Nov-25
2. DATA COLLECTION	30	30-May-25	11-Jul-25
3. HYDROLOGIC ANALYSIS	90	11-Jul-25	14-Oct-25
4. HYDRAULIC ANALYSIS & MAPPING	90	11-Jul-25	14-Oct-25
5. INDEPENDENT QA/QC	131	30-May-25	30-Nov-25
6. DOCUMENTATION	43	1-Oct-25	30-Nov-25

ATTACHMENT D
WILLIAMSON COUNTY ATLAS 14 FLOODPLAIN MAPPING UPDATE

Work Authorization No. 4 - Supplemental Work Authorization No. 3 Study Area Analysis
Labor and Expense Detail: Halff Associates, Inc.

LABOR TASK *Hourly Rate:*	Technical Advisor *$357.00*	Senior Engineer *$270.00*	Project Engineer *$199.00*	Junior Engineer *$133.00*	Engineer-In-Training *$120.00*	Quality Manager *$235.00*	GIS Operator *$122.00*	GIS Technician *$97.00*	RPLS Task Leader *$224.00*	Survey Tech *$112.00*	2 - Person Survey Crew *$179.00*	Admin / Clerical *$82.00*	TOTAL HOURS	TOTAL LABOR	TOTAL EXPENSE	TOTAL
1. PROJECT MANAGEMENT																
a. Monthly Progress Report, Invoices, and Billings		8	12									16	36	$5,860		$5,860
b. Project Coordination & Administration			16										16	$3,184		$3,184
c. Stakeholder Meetings (virtual stakeholder meetings)	2	4	4				12						22	$4,103		$4,103
d. Progress/Coordination Meetings	4	12	12		14		14						56	$10,444		$10,444
TASK TOTAL:	**6**	**24**	**44**	**0**	**14**	**0**	**26**	**0**	**0**	**0**	**0**	**16**	**130**	**$23,591**	**$0**	**$23,591**
2. DATA COLLECTION																
a. Terrain Development and Analysis (county-wide)	2	4	18			8	20	40					92	$13,576		$13,576
b. Terrain Comparison			16			8	20	80					124	$15,264		$15,264
c. Field Reconnaissance			4		30								34	$4,396		$4,396
TASK TOTAL:	**2**	**4**	**38**	**0**	**30**	**16**	**40**	**120**	**0**	**0**	**0**	**0**	**250**	**$33,236**	**$0**	**$33,236**
3. HYDROLOGIC ANALYSIS																
a. Update Prior Existing Condition Hydrologic Analysis		16	40		60								116	$19,480		$19,480
c. Internal QC/QC		4				16							20	$4,840		$4,840
TASK TOTAL:	**0**	**20**	**40**	**0**	**60**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**136**	**$24,320**	**$0**	**$24,320**
4. HYDRAULIC ANALYSIS & MAPPING																
a. Update Prior Existing Condition Hydraulic Analysis	8	50	140	300	840			170					1,508	$201,459		$201,459
b. Internal QA/QC		8	40	60		84		40					232	$41,720		$41,720
TASK TOTAL:	**8**	**58**	**180**	**360**	**840**	**84**	**0**	**210**	**0**	**0**	**0**	**0**	**1,740**	**$243,179**	**$0**	**$243,179**
5. INDEPENDENT QA/QC																
a. QC Coordination Meetings	8	8	12			12							40	$10,304		$10,304
b. Independent Technical Review	12	32	140	140	20	140		100					584	$104,404		$104,404
TASK TOTAL:	**20**	**40**	**152**	**140**	**20**	**152**	**0**	**100**	**0**	**0**	**0**	**0**	**624**	**$114,708**	**$0**	**$114,708**
6. DOCUMENTATION																
a. Documentation		8	16		28	4							56	$9,701		$9,701
b. Digital Deliverables			8			2	8	40					58	$6,918		$6,918
TASK TOTAL:	**0**	**8**	**24**	**0**	**28**	**6**	**8**	**40**	**0**	**0**	**0**	**0**	**114**	**$16,619**	**$0**	**$16,619**
TOTAL HOURS:	36	154	478	500	992	274	74	470	0	0	0	16	2,995			
TOTAL LABOR COST:	**$12,852**	**$41,637**	**$95,202**	**$66,553**	**$119,040**	**$64,390**	**$9,077**	**$45,590**	**$0**	**$0**	**$0**	**$1,312**		**$455,652**	**$0**	**$455,652**

HALFF ASSOCIATES, INC. TOTAL COST: $455,652

Commissioners Court - Regular Session **25.**

Meeting Date: 06/10/2025

Halff 2572 WA2 SA4 Atlas 14

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on Supplemental No. 4 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Floodplain Mapping) contract between Williamson County and Halff Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

Background

The Halff Associates, Inc. Supplemental No. 4 to Work Authorization No. 2 is for additional LiDAR services in the amount of $116,394.00. This WA amount stays under the contract cap.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Halff 2572 WA2 SA4 Atlas 14

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/30/2025 11:52 AM
County Judge Exec Asst.	Delia Colon	05/30/2025 04:22 PM
Form Started By: Vicky Edwards		Started On: 05/28/2025 10:43 AM
Final Approval Date: 05/30/2025		

SUPPLEMENTAL WORK AUTHORIZATION NO. 4
TO
WORK AUTHORIZATION NO. 2

WILLIAMSON COUNTY ROAD BOND PROJECT:
Atlas 14 Floodplain Mapping Update – Technical Program Manager ("Project")

This Supplemental Work Authorization No. 4 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 24, 2020 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Halff Associates, Inc. (the "Engineer").

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, changed and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on December 31, 2025. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased by $116,394.00 from $646,943.00 to $763,337.00. The revised Work Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

The Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization No. 4 to Work Authorization No. 2, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
Halff Associates, Inc.	**Williamson County, Texas**
By: Stephen Crawford	By: _____
Signature	Signature
Stephen Crawford	_____
Printed Name	Printed Name
Vice President	_____
Title	Title
May 15, 2025	_____
Date	Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer
Attachment C - Work Schedule
Attachment D - Fee Schedule

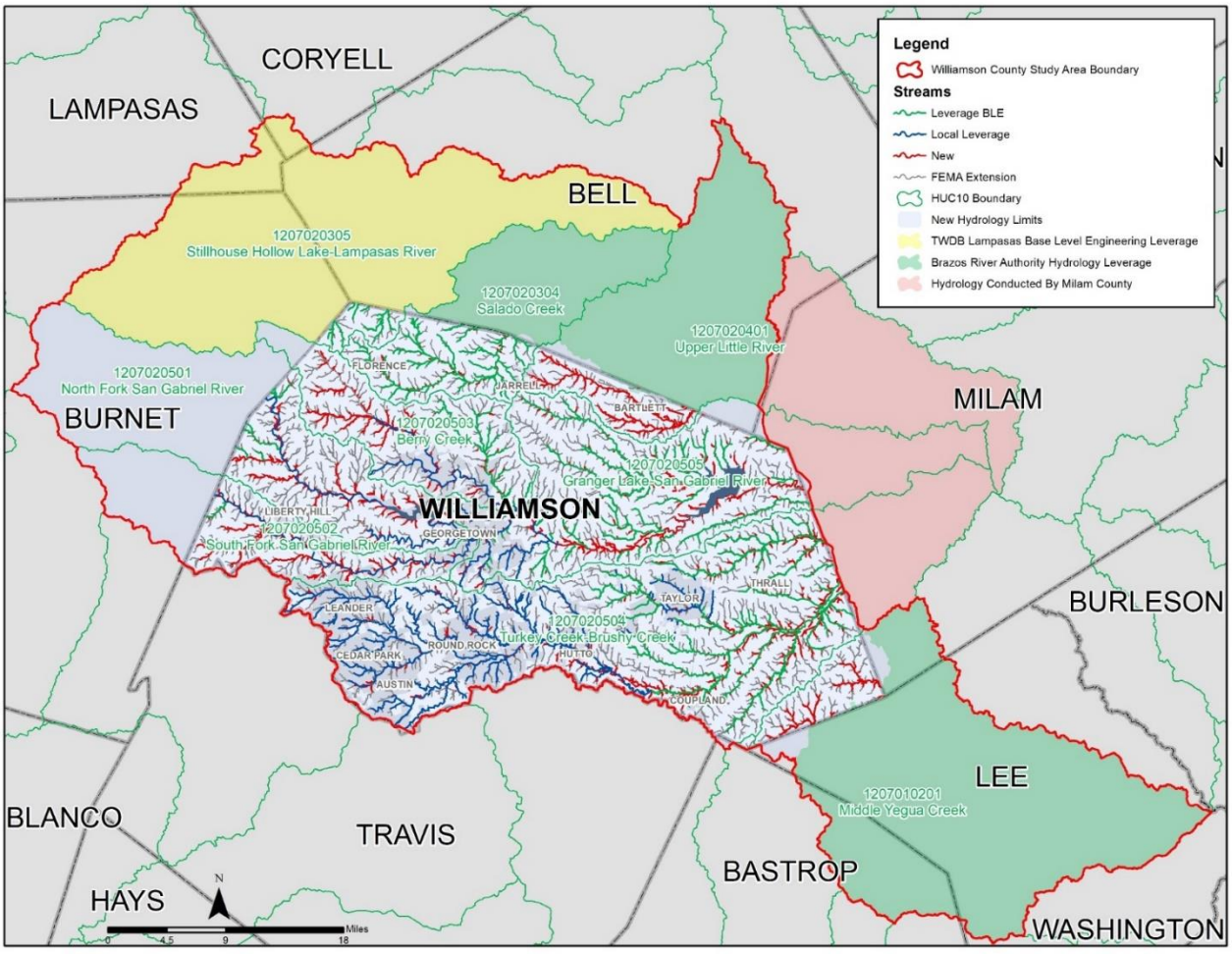
APPROVED
By Christen Eschberger at 2:18 pm, May 21, 2025

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 4
LiDAR Update County-wide Technical Program Management

PROJECT DESCRIPTION

Project Area

Areas within the unincorporated areas of Williamson County Atlas 14 Floodplain Mapping Project extents. The primary area is Williamson County with hydrology in portions of Burnet, Lampasas, Bell, Milam, Lee, and Bastrop Counties.



Proposed Project

Assist the County with county-wide technical program management (TPM) for the implementation of the Williamson County Atlas 14 LiDAR Update program. TPM services for two stakeholder meetings, terrain development and analysis, as well as independent quality assurance and quality control (QA/QC) are conducted under work authorization #4, supplemental work authorization #3. All other TPM services are outlined in the project scope below.

PROJECT SCOPE

1. PROJECT MANAGEMENT & COORDINATION

   a. Monthly Progress Report, Invoices, and Billings (12 months assumed):

      1. Submit monthly progress status reports to the General Engineering Consultant (GEC). Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      2. Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. Project Coordination & Administration:

      1. Prepare and maintain routine project record keeping including records of meetings and minutes. Correspondence and coordination with outside entities will be handled through and with the concurrence of the GEC.

      2. Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review subconsultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.

   c. Stakeholder Meetings (2 virtual stakeholder meetings):

      1. Attend two (2) coordination meetings with study area project stakeholders (Williamson County, GEC, Technical Program Manager, local and state partners) throughout the duration of the project. Ideally these two meetings would include a kickoff with the validation of the LiDAR update modeling methodologies as well as a flood risk meeting near the end of the project to review draft mapping and reporting.

   d. Progress/Coordination Meetings:

      1. TPM: Plan and attend up to twelve (12) one-hour, virtual monthly coordination/progress meetings with the County and GEC, to advance work order tasks. Halff is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

      2. TPM: Plan and attend up to twenty-four (24) half-hour, virtual coordination meetings with AECOM to advance project implementation. Schedule is anticipated bi-weekly but may vary as appropriate throughout the duration of the project. AECOM is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

      3. TPM: Plan and attend up to twenty-four (24) half-hour, virtual coordination meetings with Doucet to advance project implementation. Schedule is anticipated bi-weekly but may vary as appropriate throughout the duration of the project. Doucet is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

4. TPM: Prepare and submit up to twelve (12) monthly program progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Halff, AECOM and Doucet progress will be incorporated into the monthly program progress report. A copy of the monthly grant progress report will be uploaded to ProjectWise.

e. Technical Support:

1. TPM: Provide general technical assistance to address/resolve technical issues that arise through the AECOM and Doucet coordination meetings. Assistance not to exceed ten (10) days of effort throughout the duration of the project.

2. TPM: General program support for the County and GEC for the advancement of the county's flood modeling and mapping. Assistance not to exceed thirty (30) days of effort through the duration of the project.

3. TPM: Support the coordination of methodologies and template scope development for the future conditions analysis and Phase 2 FEMA Products work authorizations. This task includes up to three (3) one-hour, virtual meetings with the County, GEC, AECOM, Doucet, and stakeholders.

DELIVERABLES:

1. Up to 12 Monthly Invoices and Progress Reports
2. Up to 12 County/GEC Coordination Meeting Minutes
3. TPM: Up to 12 County-wide Program Status Reports
4. TPM: Template Future Condition Scope of Work (one draft, one final)
5. TPM: Template Phase 2 FEMA Products Scope of Work (one draft, one final)

2. DOCUMENTATION

This effort includes preparation of an addendum memorandum for the prior Atlas 14 Floodplain Study report. The memorandum shall provide a thorough explanation of all updated procedures, assumptions, special considerations, comparisons, checkpoints, independent QA/QC, and planning results. Specific tasks include:

a. TPM: Memorandum Templates and Deliverables (county-wide)

1. Develop and coordinate submittal templates and guidelines for an existing condition addendum memorandum to ensure consistent deliverables across the County.

2. Combine all study area deliverables into a cohesive county-wide deliverable.

DELIVERABLES:

1. TPM: One addendum memorandum template
2. TPM: Draft combined county-wide existing condition addendum memorandums including supporting information, models, and GIS datasets.
3. TPM: Final combined county-wide existing condition addendum memorandums with reconciled independent QA/QC comments.

PROJECT ASSUMPTIONS

General Project Assumptions

1. The Outreach Consultant will be responsible for all administrative tasks related to stakeholder and public outreach, such as scheduling, advertisement, recording/documentation, meeting minutes, reproduction, and other duties as needed.
2. It is assumed that LiDAR updates are not necessary for areas outside of Williamson County.
3. It is assumed that technical support provided with in this scope of work is to further the floodplain efforts of Williamson County jurisdictions. This scope of work is for areas Outside of Municipality and in Williamson County and County Extraterritorial Jurisdiction. Technical support for Lidar and modeling updates in municipalities to be completed in a separate scope of work.

Project Exclusions

1. Support and attendance of public meetings
2. Grant application development
3. Management of other vendor contracts (schedule, scope, invoicing, etc.)

ATTACHMENT C
WORK SCHEDULE
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 4
LiDAR Update County-wide Technical Program Management

TASK	DURATION (working days)	START	END
Notice to Proceed	1	30-May-25	
1. PROJECT MANAGEMENT			
a. Monthly Progress Report, Invoices, and Billings	131	30-May-25	30-Nov-25
b. Project Coordination & Administration	131	30-May-25	30-Nov-25
c. Stakeholder Meetings (virtual stakeholder meetings)	131	30-May-25	30-Nov-25
d. Progress/Coordination Meetings	131	30-May-25	30-Nov-25
e. Technical Support	131	30-May-25	30-Nov-25
2. DOCUMENTATION			
a. TPM: Memorandum Templates and Deliverables	43	1-Oct-25	30-Nov-25

ATTACHMENT D
WILLIAMSON COUNTY ATLAS 14 FLOODPLAIN MAPPING UPDATE

Work Authorization No. 2 Supplemental Agreement 4 - Technical Program Manager
Labor and Expense Detail: Halff Associates, Inc.

LABOR TASK *Hourly Rate:*	Technical Advisor *$357.00*	Project Manager *$224.00*	Senior Engineer *$270.00*	Project Engineer *$199.00*	Junior Engineer *$133.00*	Engineer-In-Training *$120.00*	Quality Manager *$235.00*	GIS Operator *$122.00*	GIS Technician *$97.00*	Admin / Clerical *$82.00*	TOTAL HOURS	TOTAL LABOR	TOTAL EXPENSE	TOTAL
1. PROJECT MANAGEMENT														
a. Monthly Progress Report, Invoices, and Billings	2	12	4							8	26	$5,138		$5,138
b. Project Coordination & Administration	8	12	8	20							48	$11,684		$11,684
c. Stakeholder Meetings (virtual stakeholder meetings)	2	4	2	4				12			24	$4,410		$4,410
d. Progress/Coordination Meetings	8	20	20	16			12				76	$18,740		$18,740
e. Technical Support	4	48	40	72			54				218	$49,998		$49,998
1. DOCUMENTATION														
a. TPM: Memorandum Templates and Deliverables	4	20	16	28	40			40			150	$26,424		$26,424
TOTAL HOURS:	28	116	90	140	40		66	52		8	542			
TOTAL LABOR COST:	**$10,041**	**$26,074**	**$24,408**	**$27,940**	**$5,373**		**$15,510**	**$6,393**		**$656**		**$116,394**	**$ -**	**$116,394**
													HALFF ASSOCIATES, INC. TOTAL COST:	**$116,394**

Commissioners Court - Regular Session **26.**

Meeting Date: 06/10/2025

AECOM 2572 WA2 SA3 Atlas 14

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on Supplemental No. 3 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Brushy Creek Basin Study) contract between Williamson County and AECOM Technical Services, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

Background

The AECOM Technical Services, Inc. Supplemental No. 3 to Work Authorization No. 2 is for additional LiDAR services in the amount of $497,800.00. This WA amount stays under the contract cap.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

AECOM 2572 WA2 SA3 Atlas 14

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/30/2025 11:52 AM
County Judge Exec Asst.	Delia Colon	05/30/2025 04:24 PM
Form Started By: Vicky Edwards		Started On: 05/28/2025 10:44 AM
Final Approval Date: 05/30/2025		

SUPPLEMENTAL WORK AUTHORIZATION NO. 3
TO
WORK AUTHORIZATION NO. 2

WILLIAMSON COUNTY ROAD BOND PROJECT:
Flood Plain Maps Update - Brushy Creek Basin Study

This Supplemental Work Authorization No. 3 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 23, 2021 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and AECOM Technical Services, Inc (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective July 14, 2021 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on December 31, 2025. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased from $3,624,626 to $4,122,426.00. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
AECOM Technical Services, Inc.	**Williamson County, Texas**
By: _____	By: _____
Signature	Signature
Tom Wright	
Printed Name	Printed Name
Associate Vice President	
Title	Title
22MAY2025	
Date	Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

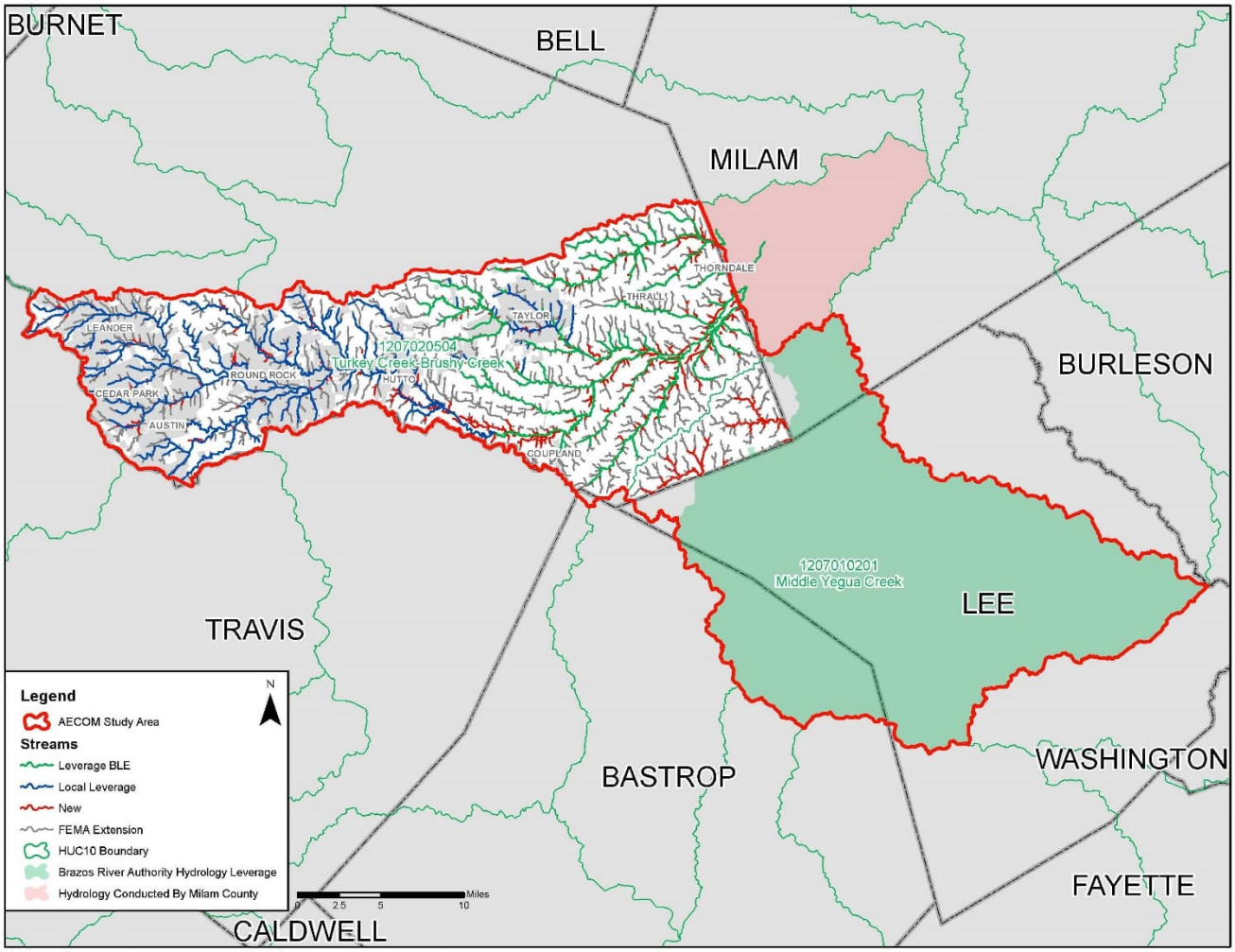
APPROVED
By Christen Eschberger at 9:39 am, May 27, 2025

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 3
Study Area LiDAR Update of Unincorporated Areas in Brushy Creek and Middle Yegua Creek

PROJECT DESCRIPTION

Project Area

Areas within the Williamson County Atlas 14 Floodplain Mapping Project for Brushy and Middle Yegua Creek watershed extents. The primary area is Williamson County with hydrology including portions of Milam, Bastrop, and Lee Counties.



Proposed Project

Conduct existing condition hydrology, hydraulics, and mapping updates utilizing newly avaliable 2024 LiDAR in areas where significant changes have occurred. All analysis shall be in accordance with the

Williamson County bulleted Technical Standards developed specifically for the Atlas 14 Floodplain Mapping Project. The analysis shall also be in accordance with FEMA guidance and mapping standards.

The analysis will include the streams shown in the Project Area graphic. Table 1 displays the study stream types and associated stream miles. The recurrence intervals listed in Table 2 shall be used to develop the hydrologic and hydraulic models and associated floodplain mapping products.

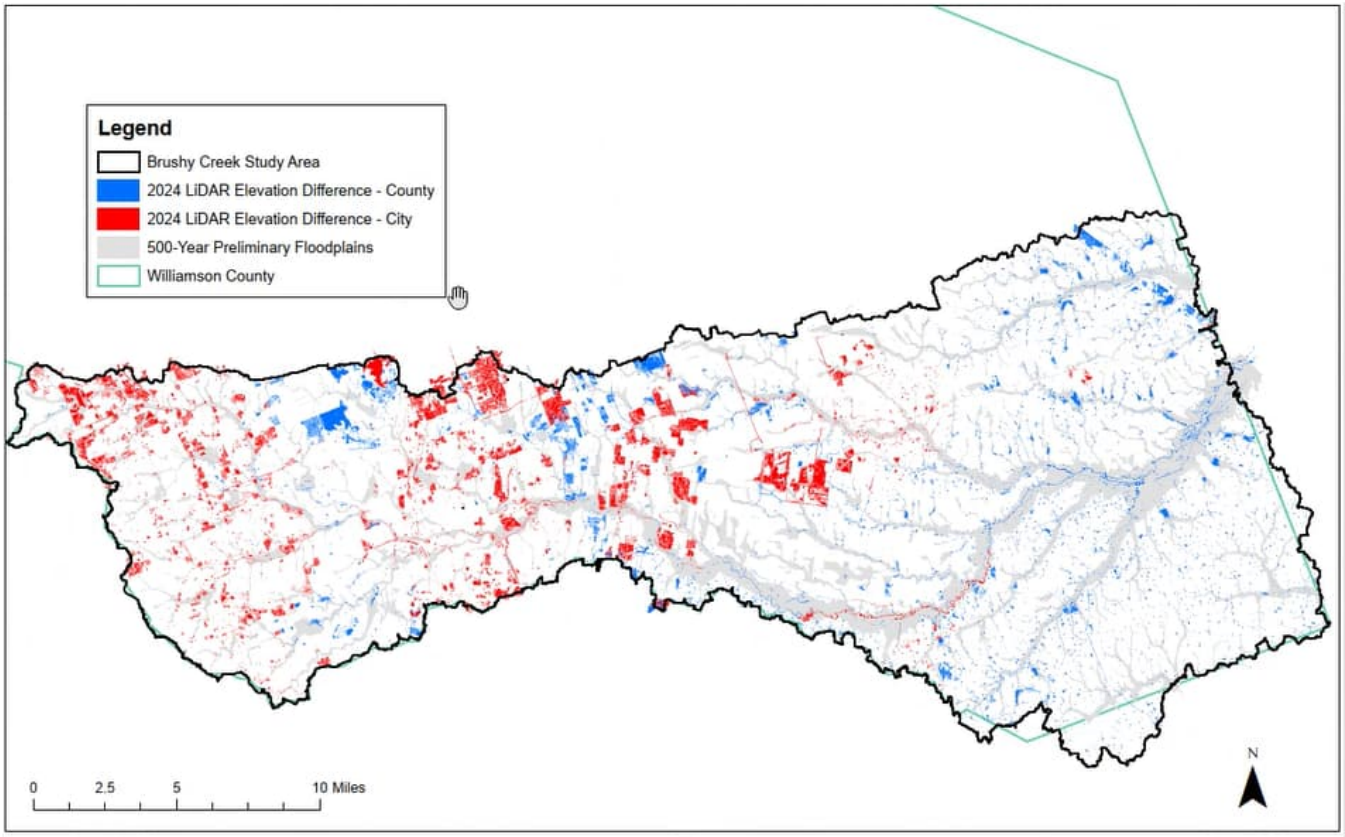
Table 1. Study Stream Types and Mileage

Study Classifications	Stream Miles
Zone AE	175
Zone A	26
Total	**400**

Table 2. Study Requirements for Modeling and Mapping

(F = required by FEMA)		Land-Use Conditions					
(W = required by Wilco)		Existing Conditions					
Recurrence Interval Years (Annual % Chance Event)		2 (50%)	10 (10%)	25 (4%)	50 (2%)	100 (1%)	500 (0.2%)
Models	Hydrology	**W**	**F**	**F**	**F**	**F**	**F**
	Hydraulics	**W**	**F**	**F**	**F**	**F**	**F**
Detailed Analysis (Zone AE) Products	Floodplains					**F**	**F**
	Water Surface Elevation Grids					**F**	**F**
	Depth Grids					**F**	**F**
Limited Detailed Analysis (Zone A) Products	Floodplains					**F**	
	Water Surface Elevation Grids					**F**	
	Depth Grids					**F**	

The analysis for Williamson County includes hydrologic updates at ~250 Brushy Creek and Middle Yegua Creek watershed locations (including both unincorporated and incorporated areas). The hydraulic updates for Williamson County unincorporated areas include approximately 60 hydraulic models. The budget covers updated modeling and mapping for these areas, shown in the map below.


Legend
Brushy Creek Study Area
2024 LiDAR Elevation Difference - County
2024 LiDAR Elevation Difference - City
500-Year Preliminary Floodplains
Williamson County
0
2.5
5
10 Miles
N

PROJECT SCOPE

1. PROJECT MANAGEMENT & COORDINATION

   a. Monthly Progress Report, Invoices, and Billings (12 months assumed):

      1. Submit monthly progress status reports to the General Engineering Consultant (GEC). Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      2. Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. Project Coordination & Administration:

      1. Prepare and maintain routine project record keeping including records of meetings and minutes. Correspondence and coordination with outside entities will be handled through and with the concurrence of the GEC.

      2. Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review subconsultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.

   c. Stakeholder Meetings (2 virtual stakeholder meetings):

      1. Attend two (2) coordination meetings with study area project stakeholders (Williamson County, GEC, Technical Program Manager, TWDB, local and state partners) throughout the duration of the project. Ideally these two meetings would include a kickoff with the validation of the LiDAR update modeling methodologies as well as a flood risk meeting near the end of the project to review draft mapping and reporting.

   d. Progress/Coordination Meetings:

      1. Plan and attend up to twenty-four (24) half-hour, virtual coordination meetings with the County Technical Program Management (TPM) and GEC to advance project implementation. Schedule is anticipated bi-weekly but may vary as appropriate throughout the duration of the project. AECOM Technical Services, Inc. is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

   DELIVERABLES:

   1. Up to 12 Monthly Invoices and Progress Reports
   2. Up to 24 County/TPM Coordination Meeting Minutes

2. DATA COLLECTION

a. Terrain Comparison (study area only):

1. Using the provided difference raster; identify locations where the terrain changes warrant updates to subbasin boundaries and hydraulic models. Generate a polygon shapefile indicating areas where existing condition models will be updated with 2024 LiDAR.
2. Evaluate final hydraulic terrain generated by Halff and Associates, Inc. and make adjustments or provide comments as needed for hydrologic and hydraulic modeling and mapping.

b. Field Reconnaissance:

1. Conduct field reconnaissance of approximately 80 bridges and culverts (unincorporated) identified in the study area. Note: Only structures which also correspond to an identified hydraulic model update will be field measured and incorporated under this work authorization.
2. Produce and compile field measurement data for study area.
3. Conduct internal QA/QC of the terrain and field measurement data prior to submission to Williamson County for review.
4. Reconcile County comments or reach a mutual agreement regarding comment resolution and re-submittal of final survey deliverables.

DELIVERABLES:

1. Polygon shapefile indicating areas where models have been updated
2. Updated study area hydraulic DEM (mosaic of 2017/2015 LiDAR with 2024 LiDAR)
3. Field Measurement Data/Reports

3. HYDROLOGIC ANALYSIS

This effort includes leveraging the existing condition hydrologic analysis conducted in a prior work authorization. Minor hydrologic updates will be conducted on the existing condition hydrology to reflect updated 2024 LiDAR. Consistent with Table 2 above, updated existing condition hydrologic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Specific tasks include:

a. Update Prior Existing Condition Hydrologic Analysis:

1. Utilizing the polygon areas identified under Task 2a, evaluate and refine subbasin delineations for approximately 250 subbasins to reflect updated LiDAR. This analysis requires including both incorporated and unincorporated areas. Only in these locations, perform subbasin delineation adjustments where model results will have a measurable (5%) impact.
2. For only the subbasins that were altered, compute updated hydrologic parameters (updates to existing land use, curve number, percent impervious, flow path, time of concentration, and routing) following technical methodologies consistent with the prior existing condition analysis.
3. Update the prior existing condition hydrologic analysis to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events.

b. Internal QA/QC:

1. Conduct internal QA/QC of the updated existing condition hydrologic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydrologic updates.
   - Subbasin and Parameter Adjustments – Review of 2024 LiDAR adjusted subbasin delineations and computed hydrologic parameters for adjusted subbasins relative to the prior hydrologic analysis.
   - Updated Existing Conditions Hydrology – Review of updated hydrologic models, calculation/comparison spreadsheets, supporting data, and reporting.
2. Submit hydrologic data and internal review checklists for county review. It is anticipated that these two (2) hydrologic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
3. Reconcile county comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydrologic changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydrologic memorandum and dataset submittal (hydrologic modeling notebook, reporting support, hydrologic model, supporting calculation spreadsheets, and GIS files – final updated land use, soils, subbasins, and longest flow paths)

4. HYDRAULIC ANALYSIS AND MAPPING

This effort includes leveraging the existing condition hydraulic analysis conducted in a prior work authorization. Minor hydraulic updates will be conducted on the existing condition hydraulics to reflect updated 2024 LiDAR. Existing condition hydraulic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Consistent with the existing condition analysis, all hydraulic analysis will include one-dimensional (1D), steady-state modeling using detailed analysis (Zone AE) for 175 stream miles and limited detailed analysis (model-backed Zone A) for 26 stream miles (stream mileage inclusive of entire study area). Specific tasks include:

a. Update Prior Existing Condition Hydraulic Analysis:

1. Utilizing the polygon areas identified under Task 2a, evaluate cross-section alignments within areas that are greater than 0.25 acres in size and have more than 0.5 feet of elevation difference between the 2024 and 2017 LiDAR datasets to reflect updated LiDAR. Only in these locations, perform cross-section alignment adjustments.
2. For only the cross-sections that were altered, compute updated hydraulic parameters (elevations, roughness coefficients, expansion/contraction coefficients, ineffective areas and blocked obstructions) following technical methodologies consistent with the prior existing condition analysis.

3. This task assumes the inclusion of up to 80 new unincorporated crossings when they align with the hydraulic model updates identified in Task 2a (both field measure and from as-built plans provided by the County). It is assumed no manual terrain modifications are necessary for this update.
4. Update the prior existing condition hydraulic analysis with updated hydrologic flows to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. This update will only be applied to those models whose cross sections are also being altered due to terrain differences between the 2024 and 2017 LiDAR datasets. This task also assumes model adjustments to uncross profiles and ensure model containment.
5. Update the existing condition floodplain mapping, including depth and water surface grids, to ensure alignment with LiDAR modeling updates. Additionally, ensure smooth tie-ins and cross-section alignments at confluences.

b. Internal QA/QC:

1. Conduct internal QA/QC of the updated existing condition hydraulic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydraulic updates.
   - Updated Existing Conditions Hydraulics – Review of updated hydraulic models including adjustments to cross-section alignments.
   - Updated Existing Conditions Mapping – Review of updated mapping, updated depth and water surface grids, and reporting.
2. Submit hydraulic data and internal review checklist for county review. It is anticipated that these two (2) hydraulic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
3. Reconcile County comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydraulic changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydraulic memorandum and dataset submittal (hydraulic modeling notebook, reporting support, hydraulic models, supporting GIS files – centerlines, cross-sections, n-values, floodplains, water surface elevation grids, and depth grids)

5. DOCUMENTATION

This effort includes preparation of an addendum memorandum for the prior Atlas 14 Floodplain Study report. The memorandum shall provide a thorough explanation of all updated procedures, assumptions, special considerations, comparisons, checkpoints, independent QA/QC, and planning results. Specific tasks include:

a. Documentation (Study Area):

1. Prepare an existing condition addendum memorandum documenting the updated existing condition study approach, data collection, hydrologic analysis, hydraulic analysis, and modeling results.

2. Prepare supporting digital information including computation spreadsheets, hydrologic models, hydraulic models, and supporting geospatial data. A digital copy of the memorandum will also be provided.

DELIVERABLES:

1. Draft existing condition addendum memorandum submittal describing the methods, assumptions, and results of the study area including supporting information, models, and GIS datasets.
2. Final existing condition addendum memorandum with reconciled independent QA/QC comments.

PROJECT ASSUMPTIONS

General Project Assumptions

1. The Outreach Consultant will be responsible for all administrative tasks related to stakeholder and public outreach, such as scheduling, advertisement, recording/documentation, meeting minutes, reproduction, and other duties as needed.
2. In the Brushy Creek and Middle Yegua Creek watersheds within Williamson County, approximately 250 subbasins and 60 hydraulic models require updates to reflect terrain changes. If additional areas are identified, a change order will be required for existing condition modeling and mapping updates in those areas.
3. No wholistic existing condition modeling updates will be conducted such as broad updates of the existing condition land use layer, roughness coefficients, hydrologic routing, or adjustments to the Atlas 14 rainfall totals.
4. Natural LiDAR deviations due to vegetative cover, seasonal permanent pool fluctuations, channel erosion, base flow, etc. will not warrant modeling or mapping updates.
5. It is assumed that new developments planned or constructed after the 2024 LiDAR collection date (requiring manual development of DEMs based on construction plans) will not be included.
6. It is assumed that LiDAR updates are not necessary for areas outside of Williamson County.
7. Approximately 200 structures across the study area have been identified for field measurements. Costs were included for the collection of field measurement data for approximately 80 structures in unincorporated areas.
8. All hydrologic updates for both incorporated and unincorporated will be performed during this phase due to complexities and the possibility for future rework of separating out hydrologic updates by incorporated versus unincorporated areas.
9. Routing updates will focus on subbasins that were altered with updated hydrologic parameters. No or very minimal updates to hydrologic routing will be performed due to hydraulic updates.
10. The 2024 LiDAR will be Geoid adjusted from Geoid 18 back to Geoid 12B by the TPM to align with the existing terrain.
11. Flows will only be updated in hydraulic models that also have geometry updates due to the new LiDAR dataset.

12. Review for crossing profiles and cross section containment and necessary model adjustments will only be performed for hydraulic models with updated discharges.
13. If additional areas outside of this scope are identified by the TPM or during the QC process a change order will be required.

Project Exclusions

1. Support and attendance of public meetings
2. Field survey and field reconnaissance
3. Manual development of DEMs
4. Update of gage analysis, historical simulations, or comparisons to any other newly avaliable datasets beyond the comparisons in the prior existing condition analysis
5. Flood risk mitigation analysis
6. Grant application development

ATTACHMENT C
WORK SCHEDULE
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 3
Study Area LiDAR Update
Brushy Creek and Middle Yegua Creek

TASK	DURATION (calendar days)	START	END
Notice to Proceed	***1***	29-May-25	29-May-25
1. Project Management	185	29-May-25	30-Nov-25
2. Data Collection	47	29-May-25	15-Jul-25
3. Hydrologic Analysis	62	29-May-25	30-Jul-25
4. Hydraulic Analysis	185	29-May-25	30-Nov-25
5. Documentation	29	01-Nov-25	30-Nov-25

ATTACHMENT D
Fee Schedule
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 3
Study Area LiDAR Update
Brushy Creek and Middle Yegua Creek

LABOR TASK *Hourly Rate:*	Senior Project Manager III *$263.00*	Technical Advisor I *$252.00*	Senior Engineer I *$186.00*	Engineer III *$165.00*	Engineer II *$143.00*	Engineer I *$126.00*	EIT III *$110.00*	CAD / GIS V *$120.00*	Project Admin II *$94.00*	TOTAL HOURS	TOTAL
1. Project Management											
a. Communication	32	16			16					64	$14,736
b. Monthly Progress Report, Invoices, and Billings (7 months)	36	18			18				72	144	$23,346
c. Project Coordination & Administration	80	60	30		120	60			72	422	$73,228
d. Progress/Coordination Meetings and Public Meetings	40	40			40					120	$26,320
TASK TOTAL:	**188**	**134**	**30**		**194**	**60**			**144**	**750**	**$137,630**
2. Data Collection											
a. Evaluation of Terrain Differences				8	8	24				40	$5,488
b. Hydraulic Terrain Adjustments	8				12	12		24		56	$8,212
c. Field Measurements				40	140	32				212	$30,652
d. Internal/External QA/QC				4	16					20	$2,948
TASK TOTAL:	**8**			**52**	**176**	**68**		**24**		**328**	**$47,300**
3. Hydrologic Analysis											
a. Update Existing Studies with new LiDAR	0	75	20		280	180	20			575	$87,540
b. Model Calibration/Validation										N/A	N/A
c. Internal/External QA/QC	12	38	40		100	80	19			289	$46,642
TASK TOTAL:	**12**	**113**	**60**		**380**	**260**	**39**			**864**	**$134,182**
4. Hydraulic Analysis & Mapping											
a. Update Existing Studies with new LiDAR	30	30			140	160	100			460	$66,630
b. Model Calibration/Validation										N/A	N/A
c. Floodplain mapping and Depth Grids			40		40	40				120	$18,200
d. Internal/External QA/QC	22	14		50	149	106	60			401	$58,830
TASK TOTAL:	**52**	**44**	**40**	**50**	**329**	**306**	**160**			**981**	**$143,660**
5. Documentation											
a. Hydrologic Technical Reporting/Documentation			12		24					36	$5,664
b. Hydraulic Technical Reporting/Documentation	18	48	24		30	30				150	$29,364
TASK TOTAL:	**18**	**48**	**36**		**54**	**30**				**186**	**$35,028**
TOTAL HOURS:	**278**	**339**	**166**	**102**	**1133**	**724**	**199**	**24**	**144**	**3,109**	
TOTAL PROJECT COST:	**$73,114**	**$85,428**	**$30,876**	**$16,830**	**$162,019**	**$91,224**	**$21,890**	**$2,880**	**$13,536**		**$497,800**

Commissioners Court - Regular Session **27.**

Meeting Date: 06/10/2025

Doucet 2572 WA2 SA4 Atlas 14

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on Supplemental No. 4 to Work Authorization No. 2 to RFQ2572 Flood Plain Maps Update (Atlas 14 – Floodplain Mapping) contract between Williamson County and Doucet & Associates, Inc. relating to the Texas Water Development Board (TWDB) Agreement. Funding source: 01.0200.0210.004100.

Background

The Doucet & Associates, Inc. Supplemental No. 4 to Work Authorization No. 2 is for additional LiDAR services in the amount of $481,054.00. This WA amount stays under the contract cap.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Doucet 2572 WA2 SA4 Atlas 14

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/30/2025 11:52 AM
County Judge Exec Asst.	Delia Colon	05/30/2025 04:27 PM
Form Started By: Vicky Edwards		Started On: 05/28/2025 10:44 AM
Final Approval Date: 05/30/2025		

SUPPLEMENTAL WORK AUTHORIZATION NO. _4_
TO
WORK AUTHORIZATION NO. _2_

WILLIAMSON COUNTY ROAD BOND PROJECT:
Atlas 14 Floodplain Mapping Update – Study Area Analysis

This Supplemental Work Authorization No. _4_ to Work Authorization No. _2_ is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 23, 2021 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Doucet & Associates, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. _2_ on July 14, 2021 and dated effective July 24, 2021 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached)

II. The Work Authorization shall terminate on December 31, 2025. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased by $481,054.00 from $3,047,645.00 to $3,528,699.00. The revised Work Schedule is attached hereto as attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: _____	By: _____
Signature	Signature
John Doucet	_____
Printed Name	Printed Name
Vice President	_____
Title	Title
5/15/2025	_____
Date	Date

LIST OF ATTACHMENTS

Attachment B – Services to be Provided by the Engineer

Attachment C – Work Schedule

Attachment D – Fee Schedule

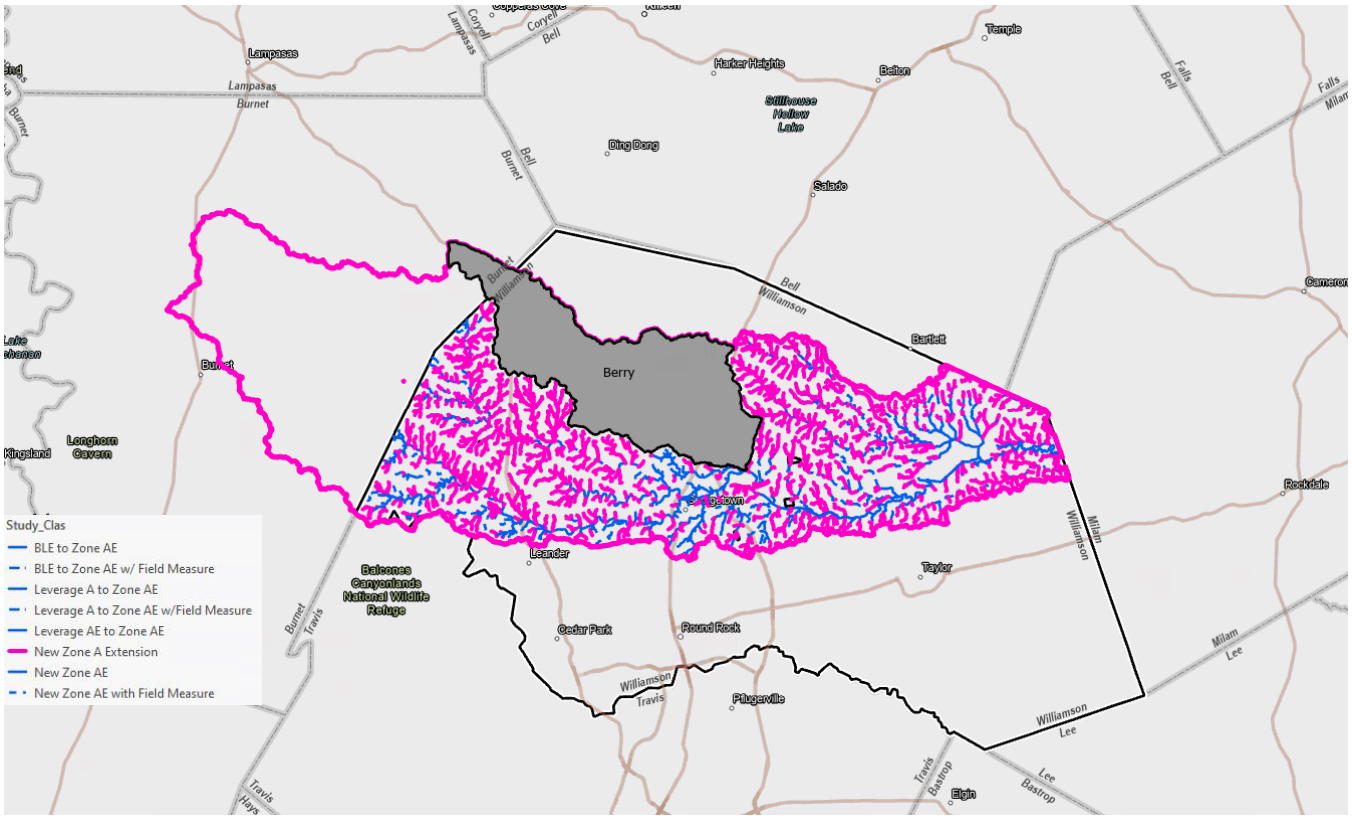
APPROVED
By Christen Eschberger at 9:49 am, May 27, 2025

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2 – Supplemental Work Authorization No. 4
Study Area LiDAR Update of Unincorporated Areas in the San Gabriel Basin plus Berry Creek Hydrology

PROJECT DESCRIPTION

Project Area

Areas within the Williamson County Atlas 14 Floodplain Mapping Project for San Gabriel watershed extents. The primary area is Williamson County with hydrology including portions of Milam, Burnet, and Bell Counties. Proposed work is for areas Outside of Municipality within the above listed watershed extents.



Proposed Project

Conduct existing condition hydrology, hydraulics, and mapping updates utilizing newly available 2024 LiDAR in areas where significant changes have occurred. All analysis shall be in accordance with the Williamson County bulleted Technical Standards developed specifically for the Atlas 14 Floodplain Mapping Project. The analysis shall also be in accordance with FEMA guidance and mapping standards.

The analysis will include the streams shown in the Project Area graphic. Table 1 displays the study stream types and associated stream miles. The recurrence intervals listed in Table 2 shall be used to develop the hydrologic and hydraulic models and associated floodplain mapping products.

Table 1. Study Stream Types and Mileage

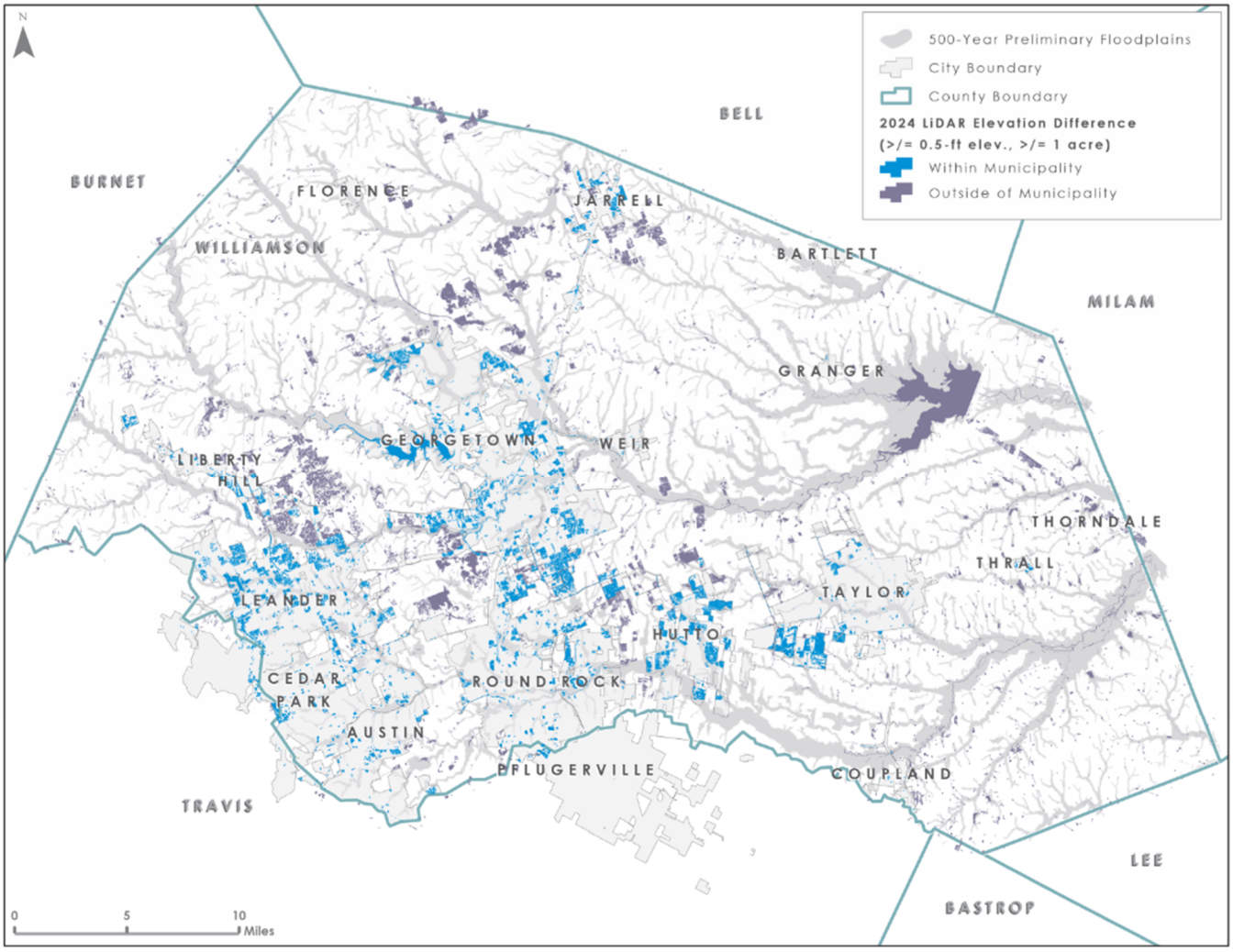
Study Classifications	Stream Miles
Zone AE	181
Zone A (Extensions)	115
Totals	**296**

Table 2. Study Requirements for Modeling and Mapping

(F = required by FEMA)		Land-Use Conditions					
(W = required by Wilco)		Existing Conditions					
Recurrence Interval Years (Annual % Chance Event)		2 (50%)	10 (10%)	25 (4%)	50 (2%)	100 (1%)	500 (0.2%)
Models	Hydrology	**W**	**F**	**F**	**F**	**F**	**F**
	Hydraulics	**W**	**F**	**F**	**F**	**F**	**F**
Detailed Analysis (Zone AE) Products	Floodplains					**F**	**F**
	Water Surface Elevation Grids					**F**	**F**
	Depth Grids					**F**	**F**
Limited Detailed Analysis (Zone A) Products	Floodplains					**F**	
	Water Surface Elevation Grids					**F**	
	Depth Grids					**F**	

The analysis for Williamson County's unincorporated areas includes hydrologic updates at 110 San Gabriel watershed locations, of which hydrologic updates of 35 locations are within the Berry Creek watershed and hydraulic updates at 120 locations. The budget covers updated modeling and mapping for these areas, including new developments and quarries, shown in the map on the following page. Updates for municipalities will be budgeted in future work authorizations.

Countywide 2024 LiDAR Changes – Unincorporated areas vs. Municipalities



PROJECT SCOPE

1. PROJECT MANAGEMENT & COORDINATION

   a. Monthly Progress Report, Invoices, and Billings (12 months assumed):

      1. Submit monthly progress status reports to the General Engineering Consultant (GEC). Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      2. Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. Project Coordination & Administration:

      1. Prepare and maintain routine project record keeping including records of meetings and minutes. Correspondence and coordination with outside entities will be handled through and with the concurrence of the GEC.

      2. Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review subconsultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.

   c. Stakeholder Meetings (2 virtual stakeholder meetings):

      1. Attend two (2) coordination meetings with study area project stakeholders (Williamson County, GEC, Technical Program Manager, TWDB, local and state partners) throughout the duration of the project. Ideally these two meetings would include a kickoff with the validation of the LiDAR update modeling methodologies as well as a flood risk meeting near the end of the project to review draft mapping and reporting.

   d. Progress/Coordination Meetings:

      1. Plan and attend up to twenty-four (24) half-hour, virtual coordination meetings with the County Technical Program Management (TPM) and GEC to advance project implementation. Schedule is anticipated bi-weekly but may vary as appropriate throughout the duration of the project. Doucet is responsible for the development of meeting minutes and posting of the minutes in ProjectWise for these coordination meetings.

   DELIVERABLES:

   1. Up to 12 Monthly Invoices and Progress Reports
   2. Up to 24 County/TPM Coordination Meeting Minutes

2. DATA COLLECTION

a. Terrain Comparison (study area only):

1. Using the provided difference raster; identify locations where the terrain changes warrant updates to subbasin boundaries and hydraulic models (120 locations assumed). Generate a polygon shapefile indicating areas where existing condition models will be updated with 2024 LiDAR.
2. Halff will generate a final hydraulic terrain for the study area by taking the 2017/2015 DEM and incorporating areas of the 2024 LiDAR where modeling updates will be conducted. This scope assumes the terrain update to include 120 locations in the San Gabriel watershed which includes 35 locations in the Berry Creek watershed. No Doucet labor is assumed for this subtask.
3. Conduct internal QA/QC of the terrain prior to submission to Williamson County for review.

DELIVERABLES:

1. Polygon shapefile indicating areas where model updates will be conducted
2. Updated study area hydraulic DEM (mosaic of 2017/2015 LiDAR with 2024 LiDAR)

3. HYDROLOGIC ANALYSIS

This effort includes leveraging the existing condition hydrologic analysis conducted in a prior work authorization. Minor hydrologic updates will be conducted on the existing condition hydrology to reflect updated 2024 LiDAR. Consistent with Table 2 above, updated existing condition hydrologic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Specific tasks include:

a. Update Prior Existing Condition Hydrologic Analysis:

1. Utilizing the polygon areas identified under Task 2a, evaluate subbasin delineations within 110 locations to reflect updated LiDAR. Only in these 110 locations, perform subbasin delineation adjustments where model results will have a measurable (5%) impact.
2. For only the subbasins that were altered, compute updated hydrologic parameters (updates to existing land use, curve number, percent impervious, flow path, time of concentration, and routing) following technical methodologies consistent with the prior existing condition analysis.
3. Update the prior existing condition hydrologic analysis to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events.

b. Internal QA/QC:

1. Conduct internal QA/QC of the updated existing condition hydrologic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydrologic updates.

- Subbasin and Parameter Adjustments – Review of 2024 LiDAR adjusted subbasin delineations and computed hydrologic parameters for adjusted subbasins relative to the prior hydrologic analysis.
- Updated Existing Conditions Hydrology – Review of updated hydrologic models, calculation/comparison spreadsheets, supporting data, and reporting.

2. Submit hydrologic data and internal review checklists for county review. It is anticipated that these two (2) hydrologic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
3. Reconcile county comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydrologic changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydrologic memorandum and dataset submittal (hydrologic modeling notebook, reporting support, hydrologic model, supporting calculation spreadsheets, and GIS files – final updated land use, soils, subbasins, and longest flow paths)

4. HYDRAULIC ANALYSIS AND MAPPING

This effort includes leveraging the existing condition hydraulic analysis conducted in a prior work authorization. Minor hydraulic updates will be conducted on the existing condition hydraulics to reflect updated 2024 LiDAR. Existing condition hydraulic analysis shall include evaluation of the 2-, 10-, 25-, 50-, 100-, and 500-year frequency events. Consistent with the existing condition analysis, all hydraulic analysis will include one-dimensional (1D), steady-state modeling using detailed analysis (Zone AE) for 181 stream miles and limited detailed analysis (model-backed Zone A) for 115 stream miles. Specific tasks include:

a. Update Prior Existing Condition Hydraulic Analysis:

1. Utilizing the polygon areas identified under Task 2a, evaluate cross-section alignments within 120 locations to reflect updated LiDAR. Only in these 120 locations, perform cross-section alignments adjustments.
2. For only the cross-sections that were altered, compute updated hydraulic parameters (elevations, roughness coefficients, expansion/contraction coefficients, ineffective areas and blocked obstructions) following technical methodologies consistent with the prior existing condition analysis.
3. This task assumes the inclusion of approximately 20 new crossings in the 120 locations that were updated. These new crossings will be based on as-built plans provided by the County. It is assumed no manual terrain modifications are necessary for this update.
4. Update the prior existing condition hydraulic analysis with updated hydrologic flows to compute updated/new existing condition hydrologic results for the 2-, 10-, 25-, 50-, 100-, and

500-year frequency events. This task also assumes model adjustments to uncross profiles and ensure model containment.

5. Update the existing condition floodplain mapping, including depth and water surface grids, to ensure alignment with LiDAR modeling updates. Additionally, ensure smooth tie-ins and cross-section alignments at confluences.

b. Internal QA/QC:

1. Conduct internal QA/QC of the updated existing condition hydraulic results prior to submission to Williamson County for review. Two milestone reviews are anticipated for existing condition hydraulic updates.
   - Cross-Section Adjustments – Review of 2024 LiDAR adjusted cross-section alignments relative to the prior cross-section alignments.
   - Updated Existing Conditions Hydraulics and Mapping – Review of updated hydraulic models, updated mapping, updated depth and water surface grids, and reporting.
2. Submit hydraulic data and internal review checklist for county review. It is anticipated that these two (2) hydraulic milestone reviews include one initial review and one backcheck to clear comments. It also assumes two (2) virtual coordination meetings to efficiently coordinate QC comments and resolution.
3. Reconcile County comments or reach a mutual agreement regarding comment resolution and re-submittal of final hydrologic deliverables.

DELIVERABLES:

1. Bulleted summary of existing condition hydrologic changes
2. Internal QA/QC forms
3. Reconciled external QA/QC forms
4. Updated existing condition hydraulic memorandum and dataset submittal (hydraulic modeling notebook, reporting support, hydraulic models, supporting GIS files – centerlines, cross-sections, n-values, floodplains, water surface elevation grids, and depth grids)

5. DOCUMENTATION

This effort includes preparation of an addendum memorandum for the prior Atlas 14 Floodplain Study report. The memorandum shall provide a thorough explanation of all updated procedures, assumptions, special considerations, comparisons, checkpoints, independent QA/QC, and planning results. Specific tasks include:

a. Documentation (Study Area):

1. Prepare an existing condition addendum memorandum documenting the updated existing condition study approach, data collection, hydrologic analysis, hydraulic analysis, and modeling results.
2. Prepare supporting digital information including computation spreadsheets, hydrologic models, hydraulic models, and supporting geospatial data. A digital copy of the memorandum will also be provided.

DELIVERABLES:

1. Draft existing condition addendum memorandum submittal describing the methods, assumptions, and results of the study area including supporting information, models, and GIS datasets.
2. Final existing condition addendum memorandum with reconciled independent QA/QC comments.

PROJECT ASSUMPTIONS

General Project Assumptions

1. The Outreach Consultant will be responsible for all administrative tasks related to stakeholder and public outreach, such as scheduling, advertisement, recording/documentation, meeting minutes, reproduction, and other duties as needed.
2. For the unincorporated areas of Williamson County, it was determined that 110 locations in the San Gabriel watershed including 35 locations within the Berry Creek watershed (developments and quarries) require updates to reflect terrain changes. If additional locations are identified, a change order will be required for existing condition modeling and mapping updates in those areas.
3. No wholistic existing condition modeling updates will be conducted such as broad updates of the existing condition land use layer, roughness coefficients, hydrologic routing, or adjustments to the Atlas 14 rainfall totals.
4. Natural LiDAR deviations due to vegetative cover, seasonal permanent pool fluctuations, channel erosion, base flow, etc. will not warrant modeling or mapping updates.
5. It is assumed that new developments planned or constructed after the 2024 LiDAR collection date (requiring manual development of DEMs based on construction plans) will not be included.
6. It is assumed that LiDAR updates are not necessary for areas outside of Williamson County.

Project Exclusions

1. Support and attendance of public meetings
2. Field survey and field reconnaissance
3. Manual development of DEMs
4. Update of gage analysis, historical simulations, or comparisons to any other newly available datasets beyond the comparisons in the prior existing condition analysis
5. Flood risk mitigation analysis
6. Grant application development

ATTACHMENT C
WORK SCHEDULE
FOR Atlas 14 Floodplain Mapping
Work Authorization No. 2, Supplemental Authorization 4
Study Area LiDAR Update
San Gabriel Basin plus Berry Creek Hydrology

TASK	DURATION (working days)	START	END
Notice to Proceed	***1***	***5/30/2025***	***6/2/2025***
1. Project Management and Coordination	185	5/30/2025	11/30/2025
2. Data Collection	15	5/30/2025	6/13/2025
3. Hydrologic Analysis	78	6/13/2025	9/15/2025
4. Hydraulic Analysis and Mapping	75	8/4/2025	10/31/2025
5. Documentation	42	11/3/2025	11/30/2025

Williamson County Atlas 14 2024 LiDAR Update - Doucet & Associates, Inc. Fee Summary					Principal Engineer (PE)	Senior Project Manager	Project Manager	Project Engineer III	Engineer Associate II	Sr. Operations Assistant	TOTAL HOURS	TOTAL LABOR	WILCO UN-INCORPORATED AREAS	*MUNICIPALITIES
LABOR TASK	Unit	Qty.	Cost	Total	*$265.98*	*$244.70*	*$212.78*	*$180.86*	*$138.31*	*$106.39*				
1. PROJECT MANAGEMENT/COORDINATION													70%	30%
a. Progress Reports, Invoicing	MO	12	$ 1,213	$ 14,554	12	36	-	-	-	24	72	$ 14,554	$ 10,188	$ 4,366
b. Project Coord & Admin	MO	12	$ 2,692	$ 32,300	12	72	48	-	-	12	144	$ 32,300	$ 22,610	$ 9,690
c. Stakeholder Meetings	EA	2	$ 4,617	$ 9,235	4	8	8	8	16	8	52	$ 9,235	$ 6,464	$ 2,771
d. Progress/Coordination Meetings	EA	24	$ 644	$ 15,448	12	24	12	12	12	-	72	$ 15,448	$ 10,814	$ 4,634
TASK TOTAL:				$ 71,537								**$ 71,537**	**$ 50,076**	$ 21,461
2. DATA COLLECTION													70%	30%
a. Terrain Comparison	EA	120	$ 160	$ 19,172	2	4	10	40	60	-	116	$ 19,172	$ 13,420	$ 5,752
b. Generate Hydraulic Terrain	EA	0	$ -	$ -	-					-	0	$ -	$ -	$ -
c. Data QA/QC	LS	1	$ 8,745	$ 8,745	2	4	4	20	20	-	50	$ 8,745	$ 6,122	$ 2,623
TASK TOTAL:				$ 27,917								**$ 27,917**	**$ 19,542**	$ 8,375
3. HYDROLOGIC ANALYSIS													70%	30%
a. Update Prior Hydrologic Analysis with LiDAR	EA	110	$ 1,814	$ 199,537	10	25	60	250	960	-	1305	$ 199,537	$ 139,676	$ 59,861
b. Hydrology QA/QC	LS	1	$ 37,066	$ 37,066	4	8	40	80	80	-	212	$ 37,066	$ 25,946	$ 11,120
TASK TOTAL:				$ 236,603								**$ 236,603**	**$ 165,622**	$ 70,981
4. HYDRAULIC ANALYSIS & MAPPING													70%	30%
a. Update Prior Hydraulic Analysis with LiDAR	EA	120	$ 2,088	$ 250,549	16	50	200	600	600	-	1466	$ 250,549	$ 175,384	$ 75,165
b. Hydraulics QA/QC	LS	1	$ 41,279	$ 41,279	6	10	40	90	90	-	236	$ 41,279	$ 28,896	$ 12,383
TASK TOTAL:				$ 291,828								**$ 291,828**	**$ 204,280**	$ 87,548
5. DOCUMENTATION													70%	30%
a. Existing Condition Memorandum	LS	1	$ 51,014	$ 51,014	10	15	30	120	120	-	295	$ 51,014	$ 35,710	$ 15,304
b. Digital Deliverables	LS	1	$ 8,320	$ 8,320	2	4	8	16	16	-	46	$ 8,320	$ 5,824	$ 2,496
TASK TOTAL:				$ 59,334								**$ 59,334**	**$ 41,534**	$ 17,800
TOTAL PROJECT COST:				**$ 687,219**								**$ 687,219**	**$ 481,054**	**$ 206,165**
												(TOTAL)	*(WILCO)*	*(CITIES)*

*** Proposed Project Work for this authorization is for areas Outside of Municipality ONLY. The proposed fee total for this Work Authorization is $481,054.00**

Commissioners Court - Regular Session **28.**

Meeting Date: 06/10/2025

American Structurepoint 25RFSQ26 WA1 Wilco Way

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on Work Authorization No. 1 to the Wilco Way contract executed on April 16, 2025, between Williamson County and American Structurepoint, Inc. relating to the Road and Bridge Department. Project: P640 Fund Source: Road and Bridge.

Background

The American Structurepoint, Inc. Work Authorization No. 1 is for design services in the amount of $238,720.00 and terminates on 8/31/2025. This WA amount stays under the contract cap.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

American Structurepoint 25RFSQ26 WA1 Wilco Way

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	06/05/2025 12:21 PM
County Judge Exec Asst.	Becky Pruitt	06/06/2025 11:13 AM
Form Started By: Vicky Edwards		Started On: 06/04/2025 03:12 PM
Final Approval Date: 06/06/2025		

Docusign Envelope ID: 5915B67B-2079-44F3-A895-805875EBF69C

WORK AUTHORIZATION NO. 1
WILLIAMSON COUNTY ROAD & BRIDGE PROJECT:
25RFSQ26 – WILCO WAY (FORMERLY TRACY CHAMBERS LANE)

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated April 16, 2025, and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and American Structurepoint, Inc. (the "Engineer").

Part1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is $238,720.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on April 16, 2025, and shall terminate on August 31, 2025. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

Continued next page

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EXECUTED this _____.

ENGINEER:	COUNTY:
American Structurepoint, Inc.	Williamson County, Texas
By: Signed by: Benjamin W. Borcherding DEEB909A5C25424...	By: _____
Signature	Signature
Benjamin W. Borcherding	_____
Printed Name	Printed Name
Chief Operating Officer	_____
Title	Title

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

APPROVED
By Christen Eschberger at 2:13 pm, Jun 03, 2025

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ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY
FOR WILCO WAY (FORMERLY TRACY CHAMBERS LANE)

In general, Williamson County and its representatives to their best efforts will render services as follows:

1. Name, business address and phone number of County's project manager.

2. Assistance to the Engineer, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.

3. Obtain Rights of Entry from landowners that are unwilling to grant access to the Engineer.

4. Provide available appropriate County data on file, plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including previous hydraulic studies, models, previous reports and studies, available existing traffic counts, and design year traffic projections).

5. Provide available criteria and full information as to the client's requirements for the project. Provide examples of acceptable format for the required deliverables.

6. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule. Review recommendations offered by the Engineer, progress of work, and final acceptance of all documents.

7. Submittal of documentation to regulatory agencies for review and comment, when specified.

8. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.

9. Post and maintain project information for public consumption on the County website.

10. Assist with Coordination between the Engineer and the County's other subconsultants.

11. Negotiate with all utility companies for any agreements and/or relocations required.

12. Provide an agent as necessary to secure proposed ROW.

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13. Provide construction observation and review contractor pay applications and progress.

14. Provide Engineer with Contractor submittals, Requests for Information (RFI's), shop drawings, and correspondence.

15. Review Engineer progress, submittals, and plan changes.

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ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER FOR Wilco Way (Formerly Tracy Chambers Lane)
WA #1

PROJECT DESCRIPTION

Project Limits

The overall project limits are from the recently constructed Wilco Way stub-out near Southwestern Blvd to the intersection of Tracy Chambers and Wilco Way as shown in both the dashed line and red box below. The limits for this WA are from the stub-out at the north end of existing Tracy Chambers Lane to the intersection of Tracy Chambers and Wilco way for a distance of approximately 0.1 miles as shown in the red box below.



Existing Facility

The existing Tracy Chambers Lane is 2 lane divided asphalt road with curb and gutter. The eastbound lane is approximately 20' face to face and the westbound lane is approximately 24' face to face. Tracy Chambers Lane eastern edge is 40' wide edge to edge with curb and gutter on 1 side and ribbon curb on the other. Drainage is conveyed through curb cuts on existing Tracy Chambers Lane into roadside ditches and grate inlets and by roadside on existing Wilco Way. The roadways are within Williamson County property.

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Proposed Facility

The proposed project will reconstruct the existing Tracy Chambers Lane. The new road will be a 31' wide edge to edge 2 lane asphalt roadway with curb and gutter. The reconstruction of existing Tracy Chambers will consist of the reconstruction and widening of the westbound lane and removal of the eastbound lane.

Design Criteria

The proposed design criteria for the project will be developed from TxDOT, Williamson County and City of Georgetown design criteria. It is anticipated that in most cases the most stringent of the design criteria will be used.

1. PROJECT MANAGEMENT

   a. COMMUNICATION:

      - Engineer shall designate one Licensed Professional Engineer (Texas) to be responsible for the project management, and all communications with the County and its representatives.

   b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS (**[2]** months assumed):

      - Submit monthly progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      - Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   c. PROJECT COORDINATION & ADMINISTRATION:

      - Prepare and maintain routine project record keeping including records of meetings and minutes.
      - Correspondence and coordination will be handled through & with the concurrence of the GEC.
      - Manage Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review sub-consultant work,

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correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.

d. PROGRESS/COORDINATION MEETINGS (**[2]** external meetings assumed):

- Attend a kickoff meeting and coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- Prepare agenda and sign-in sheets for external coordination/progress meetings.
- Prepare meeting minutes for review via email within three (3) business days of the external coordination/progress meeting.
- Conduct internal coordination meetings as required to advance the development of the project.

e. PROJECT DOCUMENTS/FILES:

- All contract documents, including native files, shall be turned over to the County at each milestone and at the completion of the project or as requested. Documents shall be posted to the County's project management database.

f. DELIVERABLES:

- Monthly Invoices and Progress Reports including Deliverable Table
- Meeting Minutes, Sign-In Sheets, and Agendas
- Project Files
- QA/QC Documentation with Deliverable

2. UTILITY COORDINATION SUPPORT

As this is a Road Bond Project, direct coordination with utilities will be conducted through the County's existing utility coordination contract with Cobb Fendley and Associates. The Engineer will provide support as described below:

a. INCORPORATE UTILITY INFORMATION INTO ENGINEERING DRAWINGS

- Incorporate utility information provided by others into design files.
- Add utility notes to plans and exhibits as necessary.
- Consider/incorporate utility work into traffic control phasing plans as necessary.

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b. UTILITY MEETINGS

- Meet with utility coordinator and review utility impacts and potential relocations to identify appropriate approach to reducing/mitigating impacts **[up to 2 meetings].**
- Attend meetings with utilities as requested **[up to 2 meetings]**

c. DELIVERABLES:

- Utility information incorporated into plans and design files.
- Reviews of utility relocation plans.

3. SURVEYING

a. FIELD SURVEYING:

- Survey the corridor area at approximately [100ft x 100ft grid or less, 100-ft on each side of the roadway alignment centerline] including identify existing landowners, deed recordation information, locate visible improvements and utilities including driveways, water wells, storage tanks, drainage structures (size, material, flowline elevations), edge of pavement/shoulder, physical centerline, guardrail, fences, signs, mailboxes, trees 12" inch diameter and greater, locate property boundaries sufficient to re-establish ROW.

- Establish horizontal and vertical control and set temporary benchmarks.

b. DELIVERABLES:

- Mapping in 2-D and 3-D MicroStation Files (Grid or Datum)
- DTM of Proposed Corridor

4. DRAINAGE STUDY

a. HYDROLOGIC/HYDRAULIC MODELING (**[1]** major channel crossings, **[1]** cross drainage structures assumed):

- Prepare hydrologic and hydraulic models or modify existing models (FEMA, drainage districts, river authorities, cities, etc.) if available, to define the drainage infrastructure required for the project. Detail the methodologies employed and recommendations. The analysis will include: preparation of a preliminary design of the right of way drainage

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system, cross drainage structures, right-of-way drainage, major channel crossings to reflect the existing and proposed conditions, recommended minimum pavement elevations based on cross drainage flood elevations, right of way requirements, identify potential needs for FEMA Coordination. HEC-RAS shall be utilized for all stream modeling. HY-8 will be utilized for all culverts. Atlas 14 impacts will be reviewed and incorporated.

- Develop existing channel cross sections based on data collection.
- Exhibits and analysis will be prepared in the GIS environment to the extent practical.

b. FEMA COORDINATION:

- Coordinate with Local Floodplain Administrator as necessary throughout the project.

c. IMPACT AND MITIGATION ANALYSIS:

- Prepare an impact analysis to determine increases in peak flow rates for the 100-year storm including: existing and proposed peak flow rates, mitigation analysis, conceptual detention basin layouts, design of control structures, routing of storm hydrographs through basins, calculate the volume of fill to be placed in the 100-year floodplain, and recommend locations for compensatory storage.

d. DELIVERABLES:

- Final Drainage Report
- Floodplain Development Application

5. ENVIRONMENTAL SERVICES

a. Coordinate with SWCA as needed for Environmental Tasks.

6. PLAN PREPARATION

a. Plans shall be prepared per **Wilco and City of Georgetown** criteria including applicable submittal requirements per PS&E Development Plan Submittal Checklist including: cost estimate, checklists, hardcopies, CAD files, comment responses, design waivers/exceptions, general notes, quantities, updated design schedule, construction time determination.

b. ROADWAY:

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- **Prepare** horizontal and vertical alignment of the roadway and cross streets, existing and proposed typical sections, cross sections created at appropriate increments and at cross drainage structures.
    - Base bid to include the new roadway connection between existing Tracy Chambers and Wilco Way with an alternate bid of the reconstruction and widening of existing Tracy Chambers. PS&E will include separate plan sheets and quantities for each.
- Prepare project layout sheets that identify the project area and limits of work.
- Prepare Survey Data Sheets that clearly indicate benchmark locations and associated control information.

c. DRAINAGE:

- Prepare hydraulic calculations for the design of drainage structures and detention structures on the project and inclusion in the plans.
- Develop drainage area maps delineating drainage area boundaries based on USGS topographic maps, local contour maps, and/or field survey data.
- Design and detail storm sewer system, drainage outfalls, cross drainage structures, culverts, channels, roadside ditches, minimum side slopes, and erosion and sedimentation control.
- Design and detail on-site stormwater detention measures or provide documentation along with supporting calculations justifying that the project is exempt from the on-site detention requirements stated in the Williamson County Design Criteria Manual.

d. SIGNING &MARKINGS:

- Prepare signing and marking layout per current version of Texas Manual of Uniform Traffic Control Devices (TMUTCD). Detail all non-standard signs or marking details as required for the project.

e. TRAFFIC CONTROL:

- Prepare traffic control plan sequence of construction narrative, phase layout sheets, and detour layout as needed to direct traffic around construction activities per Texas Manual of Uniform Traffic Control Devices (TMUTCD).

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f. WATER QUALITY:

- Prepare water quality temporary and permanent Best Management Practices (BMPs) to comply with Texas Commission on Environmental Quality (TCEQ) regulations. Coordination with Doucet Engineers to provide exhibits for a Draft and Final **Water Pollution and Abatement Plan** to be used.

- Prepare Stormwater Pollution Prevention Plan (SWPPP) and EPIC Sheet.

g. ILLUMINATION

- Prepare illumination design and sheets. Match existing luminaires at headquarters building, following similar pattern and light pole.

h. DELIVERABLES:

- Preliminary PS&E Submittal (Issued for review and permitting set)

- Final PS&E Submittal (Issued for review, permitting, and Construction set); see 100%/Final Plan Submittal Checklist

- Exhibits and documentation for Water Pollution and Abatement Plan

- Final Drainage Report and Drainage Models

7. <u>BIDDING PHASE SERVICES</u>

a. BIDDING PHASE SERVICES:

- Prepare all applicable construction documents for bidding including final signed and sealed plans with any joint bid utility plans incorporated; final general notes, specification list, special specifications and signed & sealed cover for project construction manual. Final construction time determination which also includes any joint bid utilities.

- Attend the pre-bid meeting. Respond to bidder's questions during the bid period. Prepare project addenda during bid period. Analyze contractor bids, prepare bid tabulation, and make recommendation for award to the apparent low bidder. Attend the pre-construction conference.

b. DELIVERABLES:

- Signed and sealed final bid documents

- Addenda as necessary

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- Bid analysis and recommendation for award

8. EXCLUSIONS

   a. Construction Phase Services

   b. Nationwide Permit (NWP) 14 with a Pre-Construction Notification (PCN)

   c. CLOMR / LOMR

   d. Constraints Map

   e. Public Involvement

   f. Right of Way (ROW) and Mapping

   g. Condemnation Support

   h. Schematic Development

   i. Traffic Data Collection, Traffic Projections, and Signal Warrant Analysis

   j. TxDOT NEPA Documentation

   k. Geotechnical Services

   l. Noise walls

   m. Utility Relocation Estimates

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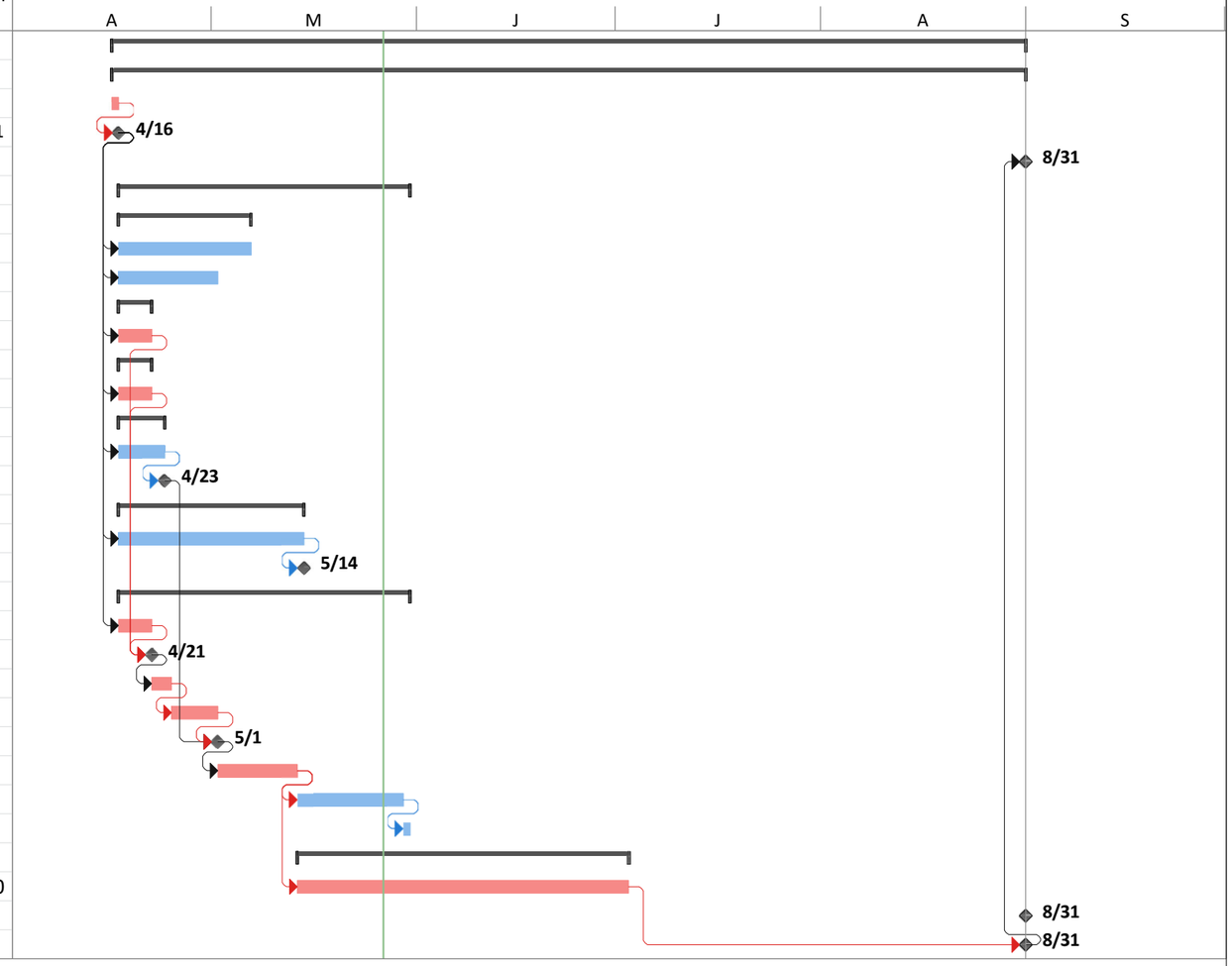
PRIME: AMERICAN STRUCTUREPOINT, INC.
ROADWAY: WILCO WAY

ATTACHMENT C
WILCO WAY
DESIGN SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecess	% Complete	Successor
1	**Williamson County - Wilco Way WA#1 Schedule**	**138 days**	**Wed 4/16/25**	**Sun 8/31/25**		**0%**	
2	**Milestones**	**138 days**	**Wed 4/16/25**	**Sun 8/31/25**		**0%**	
3	Start Date	1 day	Wed 4/16/25	Wed 4/16/25		0%	4
4	Notice to Proceed = Date of Execution	0 days	Wed 4/16/25	Wed 4/16/25	3	0%	18,8,11,1
5	Work Authorization Termination	0 days	Sun 8/31/25	Sun 8/31/25	32	0%	
6	**Design Development Activities**	**44 days**	**Thu 4/17/25**	**Fri 5/30/25**		**0%**	
7	**Project Management**	**20 days**	**Thu 4/17/25**	**Tue 5/6/25**		**0%**	
8	Coordinate Activities	20 days	Thu 4/17/25	Tue 5/6/25	4	0%	
9	Prepare Project Schedule	15 days	Thu 4/17/25	Thu 5/1/25	4	0%	
10	**Utility Coordination Support**	**5 days**	**Thu 4/17/25**	**Mon 4/21/25**		**0%**	
11	Coordinate utilities into design	5 days	Thu 4/17/25	Mon 4/21/25	4	0%	22
12	**Design Survey**	**5 days**	**Thu 4/17/25**	**Mon 4/21/25**		**0%**	
13	Ground Survey	5 days	Thu 4/17/25	Mon 4/21/25	4	0%	22
14	**Drainage Study**	**7 days**	**Thu 4/17/25**	**Wed 4/23/25**		**0%**	
15	Drainage Study	7 days	Thu 4/17/25	Wed 4/23/25	4	0%	16
16	Submit Stormwater Permit	0 days	Wed 4/23/25	Wed 4/23/25	15	0%	25
17	**Environmental Services**	**28 days**	**Thu 4/17/25**	**Wed 5/14/25**		**0%**	
18	Perform Environmental Services	28 days	Thu 4/17/25	Wed 5/14/25	4	0%	19
19	Submit All Final Environmental Reports	0 days	Wed 5/14/25	Wed 5/14/25	18	0%	
20	**Plan Preparation (PS&E)**	**44 days**	**Thu 4/17/25**	**Fri 5/30/25**		**0%**	
21	100% Plan Design	5 days	Thu 4/17/25	Mon 4/21/25	4	0%	22
22	Submit 100% Plans	0 days	Mon 4/21/25	Mon 4/21/25	21,11,13	0%	23
23	GEC / County Final Review	3 days	Tue 4/22/25	Thu 4/24/25	22	0%	24
24	Final Plans	7 days	Fri 4/25/25	Thu 5/1/25	23	0%	25
25	Submit Final Plans	0 days	Thu 5/1/25	Thu 5/1/25	24,16	0%	26
26	Document preparation / Court Approval	12 days	Fri 5/2/25	Tue 5/13/25	25	0%	27,30
27	Project Advertising	16 days	Wed 5/14/25	Thu 5/29/25	26	0%	28
28	Contractor Selection	1 day	Fri 5/30/25	Fri 5/30/25	27	0%	
29	**Bidding Phase Services**	**50 days**	**Wed 5/14/25**	**Wed 7/2/25**		**0%**	
30	Bidding Phase Services	50 days	Wed 5/14/25	Wed 7/2/25	26	0%	32FS+60
31	**Contract End**	**0 days**	**Sun 8/31/25**	**Sun 8/31/25**		**0%**	
32	Contract End	0 days	Sun 8/31/25	Sun 8/31/25	30FS+60	0%	5



Work Authorization No. 1
Termination Date:
August 31, 2025

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline
Milestone	Inactive Task	Manual Summary Rollup	Critical
Summary	Inactive Milestone	Manual Summary Start-	Critical Split
Project Summary	Inactive Summary	only	Progress

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ATTACHMENT D: FEE SCHEDULE
WILLIAMSON COUNTY
Wilco Way (Formerly Tracy Chambers)

American Structurepoint Inc. - WA#1 - Reconstruction of Existing Tracy Chambers Lane

Task	American Structurepoint	Scheibe Consulting	Total Labor
1. Project Management and Coordination	$15,810.00	$11,234.00	$27,044.00
2. Utility Coordination Support	$2,055.00		$2,055.00
3. Surveying	$0.00	$4,800.00	$4,800.00
4. Drainage Study	$0.00	$12,000.00	$12,000.00
5. Environmental Services	$1,090.00		$1,090.00
7. Plan Preparation	$104,170.00	$71,624.00	$175,794.00
8. Bidding Phase Services	$8,760.00	$6,960.00	$15,720.00
Unit Costs & ODE	$105.00	$112.00	$217.00
TOTAL	$131,990.00	$106,730.00	**$238,720.00**

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ATTACHMENT D: FEE SCHEDULE
WILLIAMSON COUNTY
Wilco Way (Formerly Tracy Chambers Lane) WA1

American Structurepoint Inc. - WA#1 - Reconstruction of Existing Tracy Chambers Lane

Task	Senior Project Manager	QAQC	Project Manager	Senior Project Engineer	Project Engineer	Design Engineer	EIT	Senior Technician	Technician	Sr. Drainage Engineer	Draiange Engineer	Sr. Traffic Engineer	Traffic Engineer	Admin / Clerical	Total Hours	Total Labor
Rates	$330.00	$320.00	$320.00	$260.00	$215.00	$175.00	$140.00	$200.00	$136.00	$260.00	$190.00	$250.00	$180.00	$100.00		
1. Project Management	35	10	0	0	4	0	0	0	0	0	0	0	0	2	51	$ 15,810.00
a. Designate a PM for all communication with County	16				4										20	$ 6,140.00
b. Monthly Progress Reports, Invoices , Including Deliverable Table (Assume 2 month)	1													2	3	$ 530.00
c. Project Coordination and Administration	14	10													24	$ 7,820.00
d. Progress/Coordination Meetings (2 assumed)	4														4	$ 1,320.00
															0	$ -
2. Utility Coordination Support	3	0	0	0	3	0	3	0	0	0	0	0	0	0	9	$ 2,055.00
a. Incoporate utility information into engineering drawings	1				1		1								3	$ 685.00
b. Utility meetings (up to 2 meetings)	2				2		2								6	$ 1,370.00
5. Environmental Services	2	0	0	0	2	0	0	0	0	0	0	0	0	0	4	$ 1,090.00
a. County Due Diligence (ASI Coordination Only)	2				2										4	$ 1,090.00
6. Plan Preparation	32	29	0	11	100	6	190	0	80	0	0	0	0	0	562	$ 104,170.00
a. Use Wilco and City of Georgetown criteria															0	$ -
b. Roadway Design															0	$ -
i. Refine horizontal and vertical alignments - P&P sheets	8	8			40		40		20						116	$ 22,120.00
ii. Existing and proposed typical sections	8	8			10		10								36	$ 8,750.00
iii. Create cross sections	4	4			4		40								52	$ 9,060.00
iv. Prepare project layouts	1	1			2		8		8						20	$ 3,288.00
v. Prepare survey data sheets															0	$ -
d. Signing, Markings															0	$ -
i. Prepare signing and marking layouts	4	2		4	24		40		20						94	$ 16,480.00
e. Traffic Control	4	4		4	20		40		20						92	$ 16,260.00
f. Water quality															0	$ -
i. Prepare water quality BMPs (ASI Coordination only)															0	$ -
ii. Develop draft and final TCEQ WPAP (Coordination only)	1			1			2		2						6	$ 1,142.00
iii. Prepare SW3P and EPIC sheet	2	2		2		6	10		10						32	$ 5,630.00
g. Illumination	4	10			40		40		20						114	$ 21,440.00
7. Bidding Phase Services	12	0	0	12	0	0	12	0	0	0	0	0	0	0	36	$ 8,760.00
a. Prepare all applicable construction documents for bidding	4			4			4								12	$ 2,920.00
b. Attend pre-bid meeting, respond to bidder questions. Attend pre-construction conference	8			8			8								24	$ 5,840.00
															0	$ -
Total ASI Direct Labor Hours	88	49	0	23	149	6	245	0	100	0	0	0	0	2	662	
Percent of Total Hours	13%	7%	0%	3%	23%	1%	37%	0%	15%	0%	0%	0%	0%	0%		
Total ASI Direct Labor Cost																**$ 131,885.00**

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Attachment D - Fee Schedule
Williamson County
Wilco Way (Formerly Tracy Chambers) - WA1

Scheibe Consulting

					Staff																
		Professional Service Description	Total Task Hours (Scheibe)	Total Task Cost	Project Principal	Senior Project Manager	Senior Engineer	Engineer VI	Engineer V	Engineer IV	Engineer III	Engineer II	Engineer I	EIT III	EIT II	EIT I	CAD Tech III	RPLS II	1-Man Survey Crew	Admin III
					$ 300.00	$270.00	$270.00	$238.00	$216.00	$190.00	$180.00	$170.00	$165.00	$146.00	$135.00	$125.00	$115.00	$200.00	$160.00	$103.00
	1. Project Management		**48.0**	**$ 11,234**																
A		Prepare Invoices and Monthly Progress Reports	11.0	$ 2,392	3.0		4.0													4.0
B		Project File Management	10.0	$ 2,092	2.0		4.0													4.0
C		Project Meetings	27.0	$ 6,750	9.0		9.0				9.0									
	3. Surveying		**30.0**	**$ 4,800**																
A		Site Visit/Field Survey (2 structures)	30.0	$ 4,800	2.0						4.0						8.0		16.0	
	4. Drainage Study		**60.0**	**$ 12,000**																
A		Update Existing Conditions H&H Models	30.0	$ 6,000	2.0		4.0				24.0									
B		Perform Proposed Conditions H&H Analysis	30.0	$ 6,000	2.0		4.0				24.0									
	6. Plan Preparation (Drainage/WQ Design Services)		**344.0**	**$ 71,624**																
A		Drainage Design	48.0	$ 9,840	4.0		8.0				36.0									
B		WQ Design and coordination	48.0	$ 9,840	4.0		8.0				36.0									
C		Coordination on Review Comments	120.0	$ 24,344	16.0		16.0				80.0									8.0
D		Construction Document Preparation (WA & Drainage)	128.0	$ 27,600	8.0		40.0				80.0									
	7. Bidding Phase Services		**28.0**	**$ 6,960**																
A		General Support	28.0	$ 6,960	4.0		16.0				8.0									
		END BASIC SERVICES																		
		Total Basic Service Hours:	**510**	$ 106,618	**56**	**0**	**113**	**0**	**0**	**0**	**301**	**0**	**0**	**0**	**0**	**0**	**8**	**0**	**16**	**16**
	Total Basic Services		**510**	**$ 106,618**																

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ATTACHMENT D: FEE SCHEDULE
WILLIAMSON COUNTY
Wilco Way
Other Direct Expenses (American Structurepoint, Inc.)

Direct Expenses	Rate	Unit	Quantity	Cost
Mileage	$ 0.70	Miles	150	$ 105.00
			SUB TOTAL	**$ 105.00**
Scheibe				
Mileage	$ 0.700	Miles	160	$ 112.00
				$ -
				$ -
			SUB TOTAL	**$ 112.00**
TOTAL				**$ 217.00**

Commissioners Court - Regular Session **29.**

Meeting Date: 06/10/2025

Authorize Issuing IFB #25IFB63 CR 175 Milling and Inlay for Road and Bridge Department

Submitted For: Joy Simonton **Submitted By:** Fernando Ramirez, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for IFB CR 175 Milling and Inlay, under IFB #25IFB63.

Background

Williamson County is seeking qualified Contractors to provide materials, experienced repairing, milling, undersealing, inlay, and striping crews and equipment to resurface CR 175. The Estimated Budget is $1,987,709.00. The funding source is 01.0200.0210.003599 and the point of contact is Matt Williamson.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 08:32 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 08:44 AM
Form Started By: Fernando Ramirez		Started On: 05/29/2025 03:30 PM
Final Approval Date: 06/04/2025		

Commissioners Court - Regular Session **30.**

Meeting Date: 06/10/2025

Authorize Issuing IFB #25IFB64 Skyview Drive Bridge for Road and Bridge Department

Submitted For: Joy Simonton **Submitted By:** Fernando Ramirez, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed responses for IFB Skyview Drive Bridge, under IFB #25IFB64. The funding source is P708.

Background

Williamson County is seeking qualified Contractors to provide materials, experienced crews, and equipment for the construction of roadway and bridge improvements, including structures, pavement, base preparation, drainage, traffic and erosion control. The Estimated Budget is $1,488,362.00. The funding source is P708 and the point of contact is Matt Williamson.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 08:34 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 08:46 AM
Form Started By: Fernando Ramirez		Started On: 05/30/2025 08:22 AM
Final Approval Date: 06/04/2025		

Commissioners Court - Regular Session **31.**

Meeting Date: 06/10/2025

Preliminary plat for the Limmer Square subdivision – Pct 4

Submitted For: Adam Boatright **Submitted By:** Adam Boatright, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approval of the preliminary plat for the Limmer Square subdivision – Precinct 4.

Background

This proposed subdivision consists of 202 single family lots, 1 townhome lot, 1 multifamily lot, 5 commercial lots, 4 open space/drainage/park lots, and 11,454 linear feet of new public roads on 111.19 acres.

Timeline

2024-05-23 – initial submittal of the preliminary plat application
2024-06-21 – 1st review complete with comments
2024-09-16 – 2nd submittal of preliminary plat
2024-10-01 – 2nd review complete with comments
2024-10-22 – 3rd submittal of preliminary plat
2024-11-05 – 3rd review complete with comments
2024-11-26 – 4th submittal of preliminary plat
2024-12-11 – 4th review complete with comments
2025-02-14 – 5th submittal of preliminary plat
2025-02-28 – 5th review complete with comments
2025-04-09 – 6th submittal of preliminary plat
2025-04-23 – 6th review complete with comments
2025-05-15 – 7th submittal of preliminary plat
2025-05-29 – 7th review complete with comments
2025-05-30 – 8th submittal of preliminary plat
2025-06-05 – 8th review complete with comments clear
2025-06-05 – preliminary plat placed on the June 10, 2025 Commissioners Court agenda for consideration

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Preliminary plat for Limmer Square subdivision

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:04 PM
Form Started By: Adam Boatright		Started On: 06/05/2025 11:51 AM
Final Approval Date: 06/05/2025		

LIMMER SQUARE PRELIMINARY PLAT

LJA ENGINEERING, INC.
T. W. HOYSA, P.E

5/30/25
DATE

FILE NUMBER

WILLIAMSON COUNTY DATE

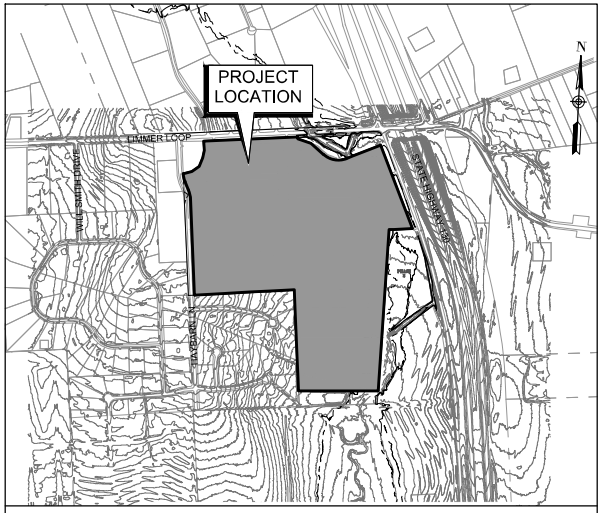
WATERSHED: BRUSHY CREEK, DAM 18 TRIBUTARY

JURISDICTION: UNINCORPORATED WILLIAMSON COUNTY

EDWARD AQUIFER: OUTSIDE ALL EDWARDS AQUIFER PROTECTION PROGRAM ZONES

LEGAL DESCRIPTION: ALL OF THAT 111.87 ACRE TRACT OUT OF THE SURVEY ABS, AS DESCRIBED IN DEED TO RECORDED IN DOC# 2021163233 OPRWCTX

LAND USE TABLE		
LOT TYPE	PARCEL COUNT	TOTAL AREA (ACRES)
SINGLE-FAMILY	202	24.66
TOWN-HOME	1	23.40
MULTI-FAMILY	1	16.35
OPEN SPACE / DRAINAGE / PARK	4	20.27
COMMERCIAL	5	10.56
PROPOSED ROW	N/A	15.95
		111.19 TOTAL



LOCATION MAP

SCALE: 1"=1000'
SUBMITTAL DATE: 05/23/2024

Sheet List Table

Sheet Number	Sheet Title	Sheet Description
Preliminary Plat		
01	CV1	COVER SHEET
02	GN1	GENERAL NOTES
03	PL0	OVERALL PRELIMINARY PLAT
04	PL1	PRELIMINARY PLAT (SHEET 1 OF 4)
05	PL2	PRELIMINARY PLAT (SHEET 2 OF 4)
06	PL3	PRELIMINARY PLAT (SHEET 3 OF 4)
07	PL4	PRELIMINARY PLAT (SHEET 4 OF 4)
08	CT1	CURVE TABLES
09	MB1	METES & BOUNDS
Exhibits		
10	UT0	OVERALL UTILITY PLAN
11	UT1	UTILITY PLAN (SHEET 1 OF 4)
12	UT2	UTILITY PLAN (SHEET 2 OF 4)
13	UT3	UTILITY PLAN (SHEET 3 OF 4)
14	UT4	UTILITY PLAN (SHEET 4 OF 4)

OWNER:

LIMMER HOLDINGS LLC
101 PARKLANE BLVD SUITE 102,
SUGARLAND, TX 77478
CONTACT PERSON: NIVI PERMMASANI
PHONE: (731)-666-5266

ENGINEER:

LJA ENGINEERING, INC.
FIRM # F-1386
2700 LA FRONTERA BOULEVARD SUITE 200
ROUND ROCK, TX 78681
CONTACT PERSON: T.W. HOYSA, P.E.
PHONE: (512) 439-4700

SURVEYOR:

LJA SURVEY
7500 RIALTO BLVD
BLDG 2, ST 100
AUSTIN TX 78735
CONTACT PERSON: MATT OVERALL, R.P.L.S.
PHONE: (512) 439-4700

Street Name	Classification	Public/Private	Urban/Rural	ROW Width (ft)	Pavement Dimension (FOC-FOC, ft)	LENGTH (FT)	Design Speed (mph)
Oceanside Dr.	Minor Collector	Public	Urban	69	44	2518	35
Rosalind Ave.	Minor Collector	Public	Urban	69	44	1735	35
Rosalind Ave.	Local	Public	Urban	50	33	1165	25
Bond St.	Local	Public	Urban	50	33	194	25
Firestone Dr.	Local	Public	Urban	50	33	1119	25
Atlantic Court	Local	Public	Urban	50	33	909	25
Roxbury St.	Local	Public	Urban	50	33	581	25
Kirsten Dr.	Local	Public	Urban	50	33	545	25
Brookline Dr.	Local	Public	Urban	50	33	1488	25
Haybarn Lane	Collector	Public	Urban	70	48	920	35
Old Haybarn Lane	Local	Public	Urban/Rural	70	40	278	25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

Date\Time : Fri, 30 May 2025 - 10:57am User Name : rbentley
Path\Name : G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 CV1.dwg

PRELIMINARY PLAN NOTES

1. DRIVEWAYS SHALL CONNECT TO AN INTERNAL PLATTED ROADWAY AND NOT TO LIMMER LOOP OR HAYBARN LANE, THE ADJACENT COUNTY ROADWAYS.

2. THE PURPOSE OF THIS PRELIMINARY PLAT IS TO SHOW THE PROPOSED IMPROVEMENTS TO THE OWNER'S PROPERTY, INCLUDING THE EXISTING TOPOGRAPHY, TO EVALUATE THE EXISTING AND PROPOSED DRAINAGE PATTERNS. THERE ARE NO IMPROVEMENTS OR SUBDIVISION OF LOTS BLOCK B LOT61, BLOCK G LOTS 1, 2, 3, BLOCK J LOTS 1, 2, 3, PROPOSED WITH THIS PRELIMINARY PLAT. A REVISED PRELIMINARY PLAT SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY DIVISION OF LOTS BLOCK B LOT 61, BLOCK G LOTS 1, 2, 3, BLOCK J LOTS 1, 2, 3, INTO TWO OR MORE PARTS TO LAY OUT (1) A SUBDIVISION OF THE TRACT, INCLUDING AN ADDITION; (2) LOTS; OR (3) STREETS, ALLEYS, SQUARES, PARKS, OR OTHER PARTS OF THE TRACT INTENDED TO BE DEDICATED TO PUBLIC USE OR FOR THE USE OF PURCHASERS OR OWNERS OF LOTS FRONTING ON OR ADJACENT TO THE STREETS, ALLEYS, SQUARES, PARKS, OR OTHER PARTS. A LOT IS ANY PARCEL OR TRACT OF LAND EXCLUSIVE OF ANY ADJOINING ROAD OR ROAD RIGHT-OF-WAY THAT IS SEPARATED FROM OTHER PARCELS BY A LEGAL DESCRIPTION, A SUBDIVISION OF RECORD, OR SURVEY MAP. THE TERMS "STREET" OR "ROAD" ARE INTERCHANGEABLE AND ARE USED TO DESCRIBE ALL VEHICULAR WAYS, REGARDLESS OF ANY OTHER DESIGNATION THEY MAY CARRY OR WHETHER THE STREET OR ROAD WILL BE PUBLIC OR PRIVATELY OWNED.

ESD #3 NOTES

1. A SECOND POINT OF ACCESS, MEETING ALL CRITERIA OF THE MOST RECENTLY ADOPTED FIRE CODE, AS AMENDED, SHALL BE REQUIRED ON ALL PLATS OF RESIDENTIAL SUBDIVISIONS CONTAINING MORE THAN TWENTY (20) DWELLING UNITS.

2. FIRE LANE STRIPING SHALL BE POSTED ON ONE SIDE OF THE STREET FOR STREETS MORE THAN 26 FEET WIDE AND LESS THAN 32 WIDE.

TURN LANE NOTES

1. TURN AND DECELERATION LANES ARE REQUIRED ALONG LIMMER LOOP PER THE TIA APPROVED BY THE CITY OF HUTTO. THESE LANES WILL BE DESIGNED AND APPROVED WITH THE CONSTRUCTION PLANS ASSOCIATED WITH THIS DEVELOPMENT.

DEVELOPMENT NOTES

C10.1 DRAINAGE MAINTENANCE

MAINTENANCE RESPONSIBILITY FOR DRAINAGE WILL NOT BE ACCEPTED BY THE COUNTY OTHER THAN THAT ACCEPTED IN CONNECTION WITH DRAINING OR PROTECTING THE ROAD SYSTEM. MAINTENANCE RESPONSIBILITY FOR STORM WATER MANAGEMENT CONTROLS WILL REMAIN WITH THE OWNER.

C10.2 UTILITY SERVICE PROVIDERS:

WATER SERVICE IS PROVIDED BY: JOHAH WSC WASTEWATER SERVICE IS PROVIDED BY: PROPOSED TO BE CITY OF HUTTO

C10.3 IMPROVEMENTS WITHIN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS

THE LANDOWNER ASSUMES ALL RISKS ASSOCIATED WITH IMPROVEMENTS LOCATED IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS. BY PLACING ANYTHING IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS, THE LANDOWNER INDEMNIFIES AND HOLDS THE COUNTY, IT'S OFFICERS AND EMPLOYEES HARMLESS FROM ANY LIABILITY OWING TO PROPERTY DEFECTS OR NEGLIGENCE NOT ATTRIBUTABLE TO THEM AND ACKNOWLEDGES THAT THE IMPROVEMENTS MAY BE REMOVED BY THE COUNTY AND THAT THE OWNER OF THE IMPROVEMENT SHALL BE RESPONSIBLE FOR THE RELOCATION AND/OR REPLACEMENT OF THE IMPROVEMENT.

C10.6 SIGHT DISTANCE EASEMENTS

NO CONSTRUCTION, PLANTING OR GRADING SHALL BE PERMITTED TO INTERFERE WITH SIGHT DISTANCE EASEMENTS BETWEEN THE HEIGHTS OF THREE AND EIGHT FEET AS MEASURED FROM THE CROWNS OF THE ADJACENT STREETS.

C10.7 SIDEWALK MAINTENANCE

ALL SIDEWALKS WITHIN THIS SUBDIVISION ARE TO BE MAINTAINED BY EACH OF THE ADJACENT PROPERTY OWNERS.

C10.9 MINIMUM FINISHED FLOOR ELEVATION

THE MINIMUM FFE SHALL BE AT LEAST ONE FOOT ABOVE THE ADJACENT FINISHED GRADE AND BFE. EXCEPTIONS CAN BE MADE AT ENTRANCE AND EGRESS POINTS, WHERE NECESSARY, TO MEET THE AMERICANS WITH DISABILITIES ACT (ADA). RECREATIONAL VEHICHLE PARKING PADS MUST ALSO BE PLACED AT LEAST ONE FOOT ABOVE BFE.

FLOODPLAIN NOTES

C11.1 FLOOD HAZARD AREA

LOT 60 AND 61, BLOCK B AND LOTS 2 AND 3, BLOCK I ARE ENCROACHED BY A SPECIAL FLOOD HAZARD AREA(S) INUNDATED BY THE 100-YEAR (1% CHANCE) FLOOD AS IDENTIFIED BY THE U.S. FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48491C0515F, EFFECTIVE DATE DECEMBER 20, 2019 FOR WILLIAMSON COUNTY, TEXAS.

C11.2 CERTIFICATE OF COMPLIANCE

C11.2.1
A CERTIFICATE OF COMPLIANCE IS HEREBY ISSUED FOR ALL LOTS WITHIN THIS SUBDIVISION. THIS CERTIFICATE OF COMPLIANCE IS VALID UNTIL SUCH TIME AS FEMA OR THE COUNTY REVISES OR NEWLY ADOPTS FLOODPLAIN BOUNDARIES IN THIS VICINITY.

C11.2.2
NO STRUCTURE OR LAND IN THIS PLAT SHALL HEREAFTER BE LOCATED OR ALTERED WITHOUT FIRST OBTAINING A CERTIFICATE OF COMPLIANCE OR FLOODPLAIN DEVELOPMENT PERMIT FROM THE WILLIAMSON COUNTY FLOODPLAIN ADMINISTRATOR.

STORMWATER MANAGEMENT NOTES

C12.5

THIS SUBDIVISION IS SUBJECT TO STORM-WATER MANAGEMENT CONTROLS AS REQUIRED BY WILLIAMSON COUNTY SUBDIVISION REGULATIONS SECTION B11.1, ON NEW DEVELOPMENT THAT WOULD EVOKE SUCH CONTROLS BEYOND EXISTING CONDITIONS.

LIMMER SQUARE
PRELIMINARY PLAT

GENERAL NOTES

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 GN1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

GN1

SHEET NO. 02
OF 14 SHEETS

Date/Time - Fri, 30 May 2025 - 10:57:am
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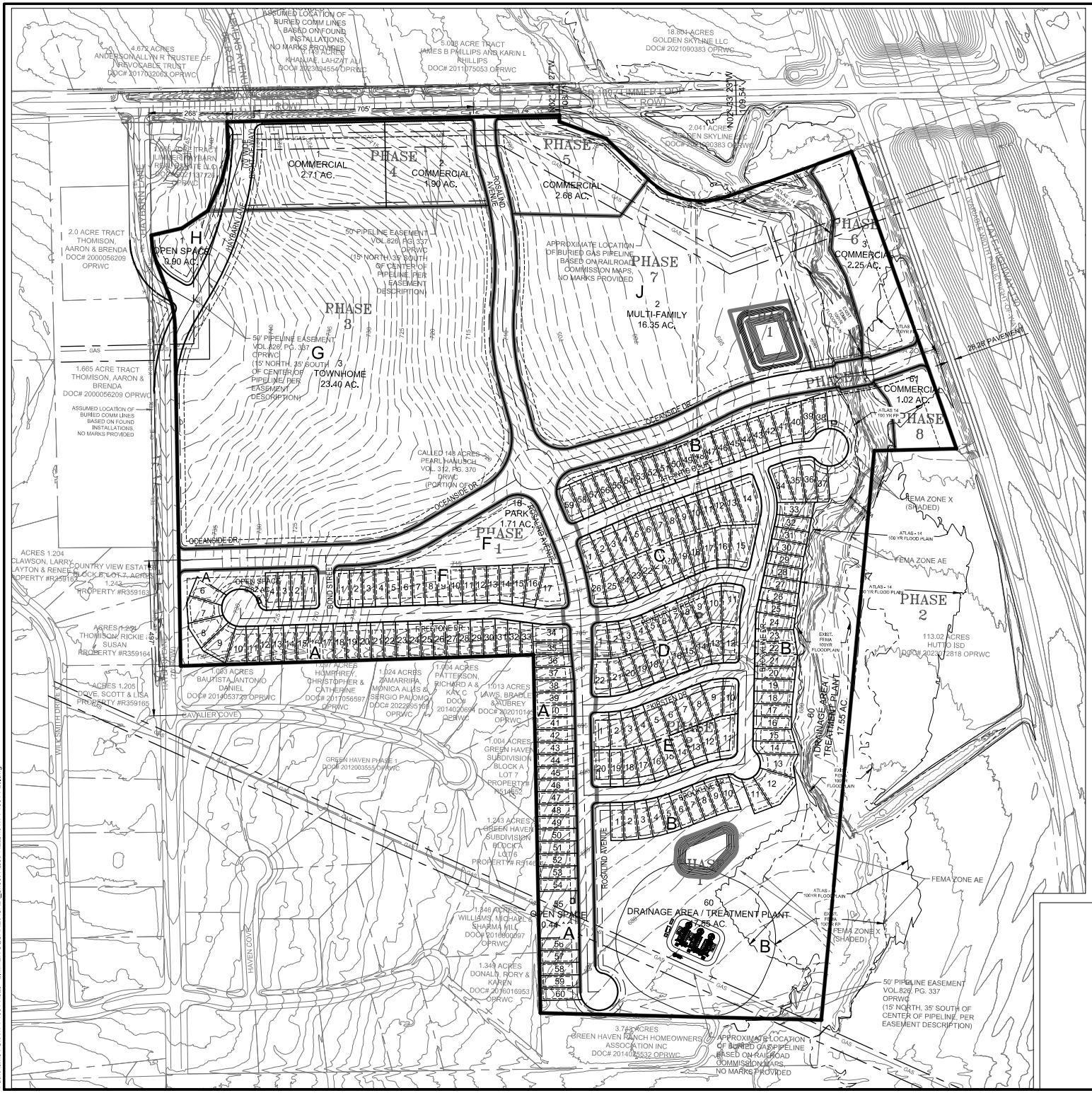

LIMMER SQUARE
PRELIMINARY PLAT

OVERALL PRELIMINARY PLAT

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 PL0.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER:
A474-1001

PL0

SHEET NO. 03
OF 14 SHEETS

User Name: rbentley
Date/Time: Fri, 30 May 2025 - 10:58am
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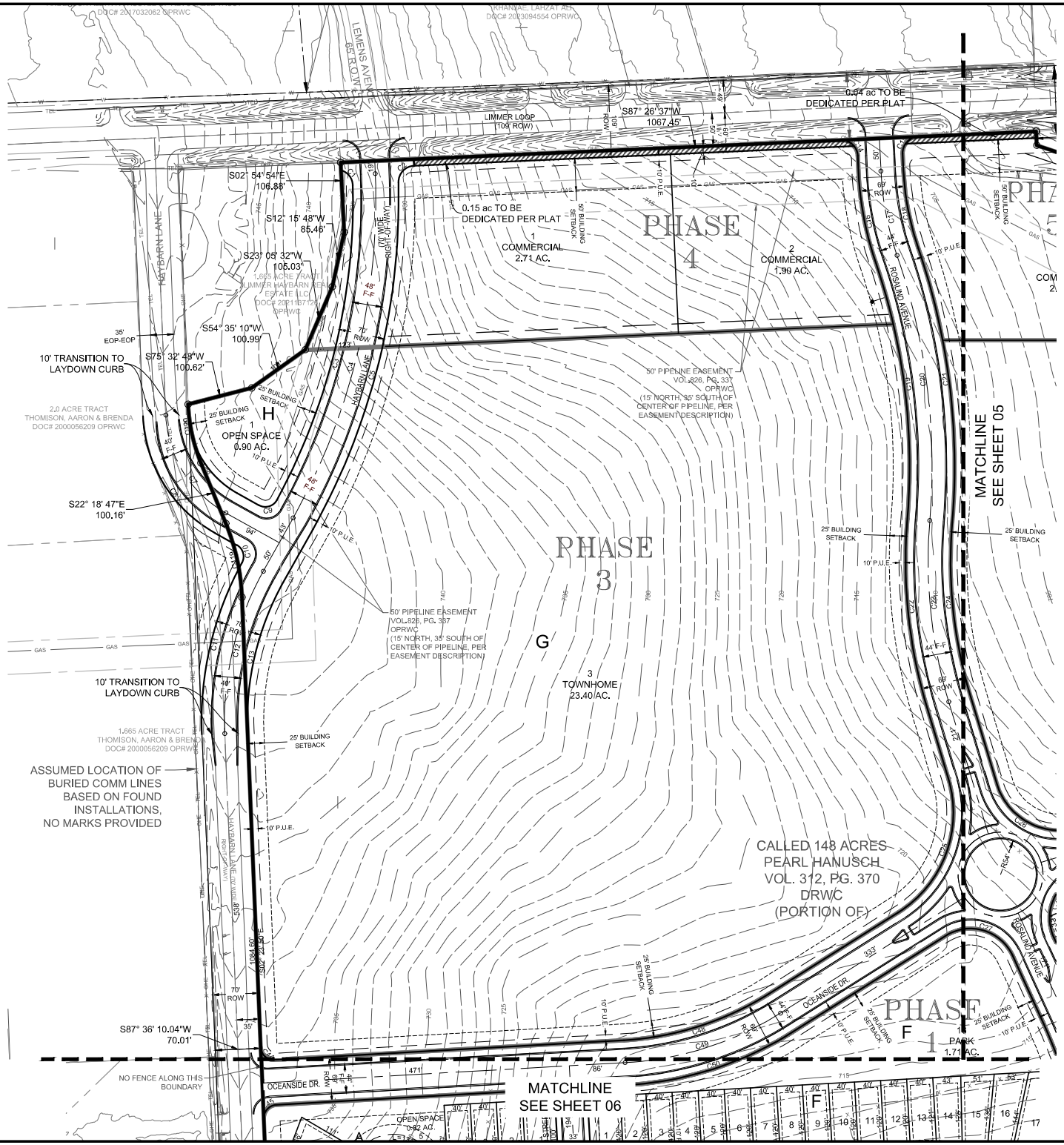

N

0 100 200

1" = 100'

LEGEND:

- PROPERTY BOUNDARY
- PROPERTY LINE
- ROW LINE
- PROPOSED STREET CENTERLINE
- PROPOSED EASEMENT
- BUILDING SETBACK
- EXISTING EASEMENT
- 700 EXISTING MAJOR CONTOUR
- 701 EXISTING MINOR CONTOUR
- P.U.E. PUBLIC UTILITY EASEMENT

LIMMER SQUARE PRELIMINARY PLAT

PRELIMINARY PLAT (SHEET 1 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 PL Sheets.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

PL1

SHEET NO. 04

OF 14 SHEETS

User Name - rbentley
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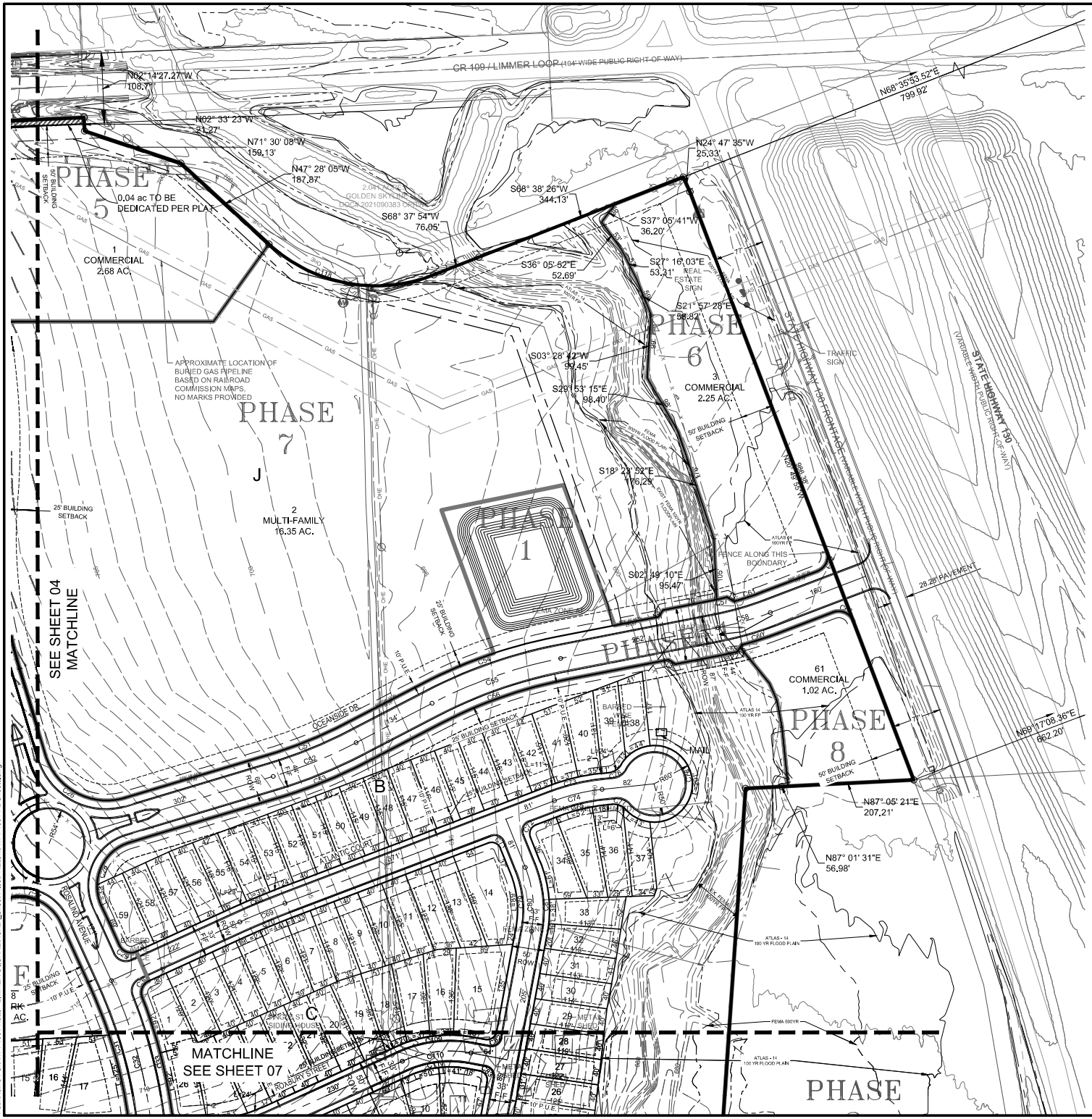

N

0 100 200

1" = 100'

LEGEND:

- PROPERTY BOUNDARY
- PROPERTY LINE
- ROW LINE
- PROPOSED STREET CENTERLINE
- PROPOSED EASEMENT
- BUILDING SETBACK
- EXISTING EASEMENT
- 700 EXISTING MAJOR CONTOUR
- 701 EXISTING MINOR CONTOUR
- P.U.E. PUBLIC UTILITY EASEMENT

LIMMER SQUARE PRELIMINARY PLAT

PRELIMINARY PLAT (SHEET 2 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 PL Sheets.dwg

STATE OF TEXAS
T. W. HOYSA
100072
REGISTERED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd Phone 512.439.4700
Suite 200 Fax 512.439.4716
Round Rock, TX 78681 FRN - F-1386

JOB NUMBER: A474-1001

PL2

SHEET NO. 05

OF 14 SHEETS

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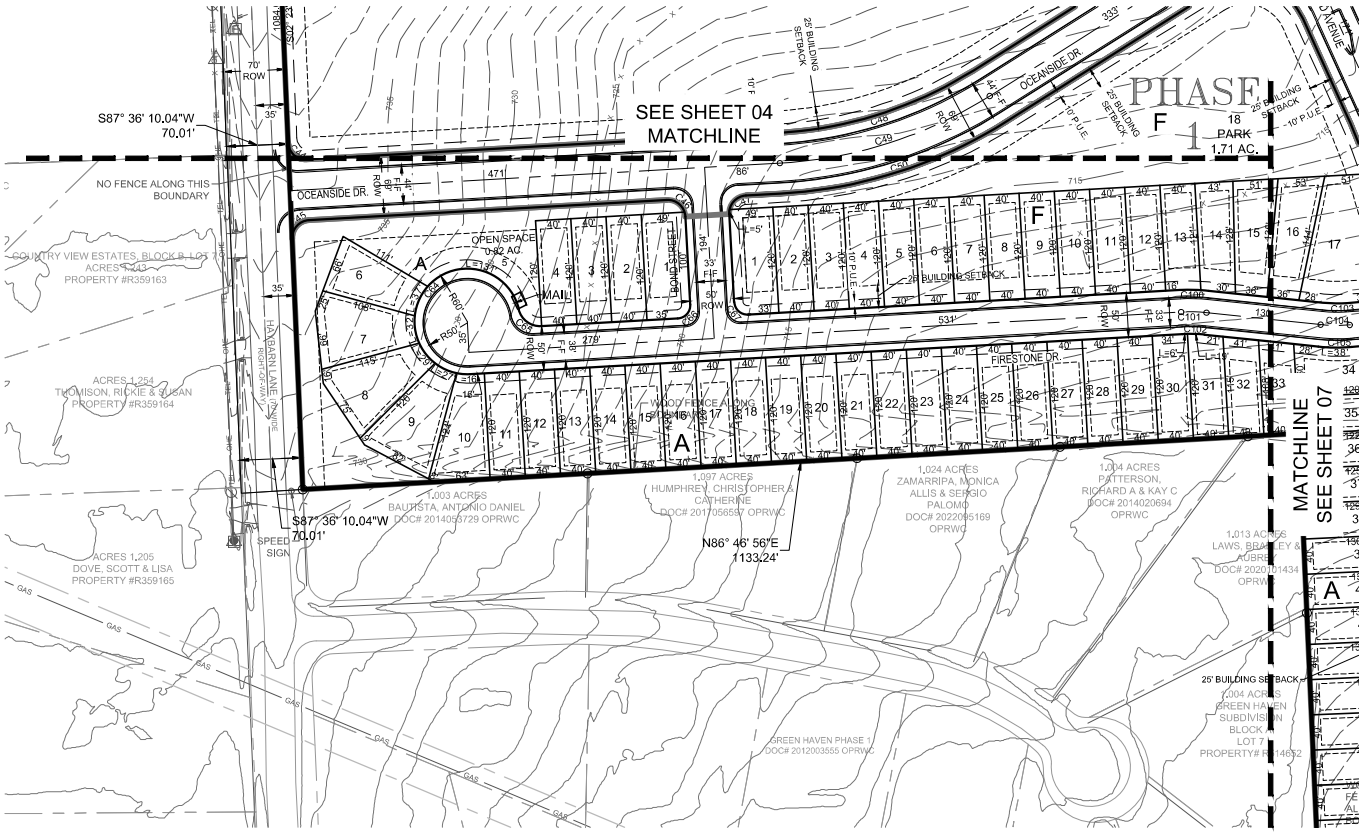
Date/ Time - Fri, 30 May 2025 - 10:58am



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1" = 100'

LEGEND:

- PROPERTY BOUNDARY
- PROPERTY LINE
- ROW LINE
- PROPOSED STREET CENTERLINE
- PROPOSED EASEMENT
- BUILDING SETBACK
- EXISTING EASEMENT
- 700 EXISTING MAJOR CONTOUR
- 701 EXISTING MINOR CONTOUR
- P.U.E. PUBLIC UTILITY EASEMENT

LIMMER SQUARE
PRELIMINARY PLAT

PRELIMINARY PLAT
(SHEET 3 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 PL Sheets.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER:
A474-1001

PL3

SHEET NO. 06
OF 14 SHEETS

User Name - rbentley
Date/ Time - Fri, 30 May 2025 - 10:58am
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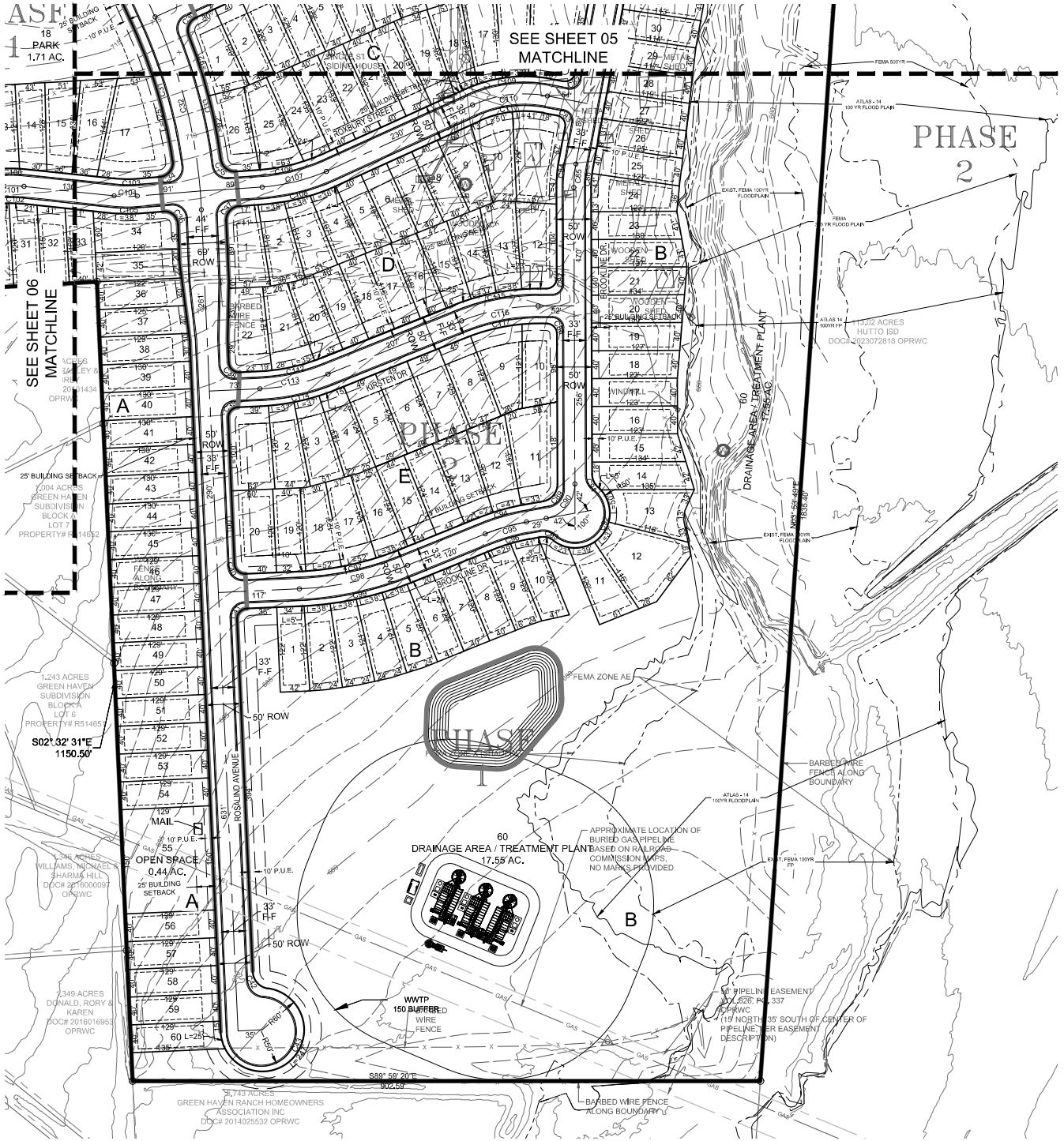

N

0 100 200

1" = 100'

LEGEND:

- PROPERTY BOUNDARY
- PROPERTY LINE
- ROW LINE
- PROPOSED STREET CENTERLINE
- PROPOSED EASEMENT
- BUILDING SETBACK
- EXISTING EASEMENT
- 700 EXISTING MAJOR CONTOUR
- 701 EXISTING MINOR CONTOUR
- 100YR EXIST. FEMA FLOODPLAIN
- 100YR ATLAS - 14 FLOODPLAIN
- 500YR FEMA FLOODPLAIN
- P.U.E. PUBLIC UTILITY EASEMENT

LIMMER SQUARE PRELIMINARY PLAT

PRELIMINARY PLAT (SHEET 4 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 PL Sheets.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

PL4

SHEET NO. 07

OF 14 SHEETS

User Name - rbentley
Date/Time - Fri, 30 May 2025 - 10:58am
Path/Name - G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 PL Sheets.dwg

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C1	25.00	31.73'	072° 43' 05"	N37° 40' 03"W	29.64'
C2	25.00	38.92'	089° 11' 28"	S43° 07' 11"W	35.11'
C3	965.00	501.43'	029° 46' 18"	N13° 34' 38"E	495.80'
C4	1000.00	549.27'	031° 28' 16"	N13° 25' 44"E	542.39'
C5	1035.00	553.50'	030° 38' 26"	N13° 50' 38"E	546.92'
C6	145.00	148.01'	058° 29' 13"	S31° 35' 32"E	141.67'
C7	180.00	183.74'	058° 29' 13"	S31° 35' 32"E	175.87'
C8	215.00	219.47'	058° 29' 13"	S31° 35' 32"E	210.06'
C9	20.00	31.66'	090° 42' 04"	N73° 48' 49"E	28.46'
C10	20.00	31.23'	089° 27' 16"	N16° 06' 31"W	28.15'
C11	505.00	273.38'	031° 01' 01"	S13° 06' 37"W	270.05'
C12	470.00	258.91'	031° 33' 45"	S13° 22' 59"W	255.65'
C13	435.00	239.63'	031° 33' 45"	S13° 22' 59"W	236.61'
C14	25.00	39.17'	089° 46' 49"	N47° 39' 59"W	35.29'
C15	25.00	39.37'	090° 13' 11"	S42° 20' 01"W	35.42'
C16	504.50	141.64'	016° 05' 08"	S10° 49' 08"E	141.17'
C17	470.00	131.95'	016° 05' 08"	S10° 49' 08"E	131.52'
C18	435.50	122.26'	016° 05' 08"	S10° 49' 08"E	121.86'
C19	965.50	397.79'	023° 36' 21"	N07° 02' 28"W	394.98'
C20	1000.00	412.31'	023° 37' 24"	N07° 03' 00"W	409.39'

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C21	1034.50	426.53'	023° 37' 24"	N07° 03' 00"W	423.52'
C22	784.50	293.70'	021° 27' 00"	S05° 57' 48"E	291.98'
C23	750.00	280.78'	021° 27' 00"	S05° 57' 48"E	279.14'
C24	715.50	267.87'	021° 27' 00"	S05° 57' 48"E	266.30'
C25	180.50	234.69'	074° 29' 50"	N20° 33' 37"E	218.50'
C26	100.50	157.87'	090° 00' 00"	S61° 41' 18"E	142.13'
C27	71.50	121.34'	097° 13' 57"	N73° 34' 29"W	107.30'
C28	71.50	122.00'	097° 45' 43"	S24° 25' 50"W	107.73'
C29	20.00	31.42'	090° 00' 00"	S69° 27' 01"E	28.28'
C30	20.00	30.30'	086° 47' 36"	S22° 09' 11"W	27.48'
C31	715.50	201.55'	016° 08' 23"	N16° 22' 49"W	200.89'
C32	750.00	286.78'	021° 54' 30"	N13° 29' 46"W	285.04'
C33	784.50	185.10'	013° 31' 06"	N14° 29' 04"W	184.67'
C34	20.00	32.71'	093° 42' 35"	N38° 32' 47"E	29.18'
C35	20.00	30.12'	086° 16' 27"	S50° 51' 44"E	27.35'
C36	20.00	31.36'	089° 51' 13"	N47° 28' 07"W	28.25'
C37	20.00	30.91'	088° 32' 33"	S41° 43' 46"W	27.92'
C38	15.00	23.56'	090° 00' 00"	S47° 32' 31"E	21.21'
C39	15.00	23.48'	089° 41' 52"	S42° 18' 25"W	21.16'
C40	15.00	23.56'	090° 00' 00"	S47° 32' 31"E	21.21'

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C41	15.00	23.56'	090° 00' 00"	S42° 27' 29"W	21.21'
C42	25.00	34.83'	079° 50' 09"	S42° 27' 35"E	32.08'
C43	60.00	272.10'	259° 50' 10"	N47° 32' 25"E	92.04'
C44	20.00	31.69'	090° 46' 23"	S47° 47' 01"E	28.47'
C45	20.00	31.13'	089° 10' 42"	S42° 11' 36"W	28.08'
C46	20.00	31.42'	090° 00' 00"	N48° 13' 04"W	28.28'
C47	20.00	31.42'	090° 00' 00"	S41° 46' 56"W	28.28'
C48	465.50	235.40'	028° 58' 25"	N72° 17' 44"E	232.90'
C49	500.00	252.84'	028° 58' 25"	N72° 17' 44"E	250.16'
C50	534.50	270.29'	028° 58' 25"	N72° 17' 44"E	267.42'
C51	715.50	134.11'	010° 44' 23"	N67° 56' 31"E	133.92'
C52	750.00	140.58'	010° 44' 23"	N67° 56' 31"E	140.38'
C53	784.50	147.05'	010° 44' 23"	N67° 56' 31"E	146.83'
C54	784.50	224.19'	016° 22' 26"	S70° 45' 32"W	223.43'
C55	750.00	214.33'	016° 22' 26"	S70° 45' 32"W	213.60'
C56	715.50	204.47'	016° 22' 26"	S70° 45' 32"W	203.78'
C57	456.50	23.26'	002° 55' 11"	N77° 29' 09"E	23.26'
C58	500.00	85.33'	009° 46' 40"	N74° 03' 25"E	85.22'
C59	543.50	22.49'	002° 22' 16"	N77° 45' 37"E	22.49'
C60	534.50	60.02'	006° 26' 01"	N72° 23' 05"E	59.99'

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C61	465.50	46.80'	005° 45' 39"	N72° 02' 54"E	46.78'
C62	25.00	39.70'	090° 58' 58"	N24° 40' 15"E	35.66'
C63	25.00	39.83'	091° 16' 54"	N66° 29' 40"W	35.75'
C64	60.00	272.10'	259° 50' 09"	S36° 42' 01"W	92.04'
C65	25.00	34.83'	079° 50' 09"	S53° 17' 59"E	32.08'
C66	15.00	23.56'	090° 00' 00"	N41° 46' 56"E	21.21'
C67	15.00	23.56'	090° 00' 00"	S48° 13' 04"E	21.21'
C68	1225.00	78.12'	003° 39' 13"	S67° 22' 36"W	78.10'
C69	1200.00	76.52'	003° 39' 13"	S67° 22' 36"W	76.51'
C70	1175.00	74.93'	003° 39' 13"	S67° 22' 36"W	74.92'
C71	15.00	23.29'	088° 57' 07"	N66° 19' 14"W	21.02'
C72	15.00	23.84'	091° 02' 53"	S23° 40' 46"W	21.41'
C73	325.00	83.59'	014° 44' 13"	S76° 34' 19"W	83.36'
C74	300.00	77.16'	014° 44' 13"	S76° 34' 19"W	76.95'
C75	275.00	70.73'	014° 44' 13"	S76° 34' 19"W	70.54'
C76	25.00	23.51'	053° 52' 27"	N56° 55' 29"E	22.65'
C77	25.00	23.51'	053° 52' 27"	N69° 02' 38"W	22.65'
C78	60.00	301.49'	287° 54' 20"	N06° 03' 34"W	70.61'
C79	155.00	87.81'	032° 27' 27"	N05° 36' 58"W	86.64'
C80	180.00	101.97'	032° 27' 27"	N05° 36' 58"W	100.61'

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C81	205.00	116.13'	032° 27' 27"	N05° 36' 58"W	114.58'
C82	15.00	23.56'	090° 00' 00"	N55° 36' 46"E	21.21'
C83	15.00	23.56'	090° 00' 00"	N34° 23' 14"W	21.21'
C84	205.00	38.68'	010° 48' 40"	S05° 12' 26"W	38.62'
C85	180.00	33.96'	010° 48' 40"	S05° 12' 26"W	33.91'
C86	155.00	29.25'	010° 48' 40"	S05° 12' 26"W	29.20'
C87	15.00	23.56'	090° 00' 00"	N44° 48' 05"E	21.21'
C88	15.00	22.87'	087° 21' 18"	N43° 52' 34"W	20.72'
C89	25.00	34.91'	080° 00' 00"	N39° 48' 05"E	32.14'
C90	50.00	69.81'	080° 00' 01"	N39° 48' 05"E	64.28'
C91	25.00	21.03'	048° 11' 23"	S24° 17' 36"E	20.41'
C92	50.00	153.92'	176° 22' 46"	N39° 48' 05"E	99.95'
C93	25.00	21.03'	048° 11' 23"	N76° 06' 13"W	20.41'
C94	325.00	67.06'	011° 49' 20"	S73° 53' 25"W	66.94'
C95	300.00	61.90'	011° 49' 20"	S73° 53' 25"W	61.79'
C96	275.00	56.74'	011° 49' 20"	S73° 53' 25"W	56.64'
C97	445.00	151.29'	019° 28' 44"	N77° 43' 07"E	150.56'
C98	470.00	159.79'	019° 28' 44"	N77° 43' 07"E	159.02'
C99	495.00	177.14'	020° 30' 15"	N77° 12' 21"E	176.20'
C100	205.00	32.85'	009° 10' 55"	N88° 37' 36"W	32.82'

Curve Table					
Curve #	Radius	Length	Delta	Chord Bearing	Chord Distance
C101	180.00	28.85'	009° 10' 55"	N88° 37' 36"W	28.82'
C102	155.00	24.84'	009° 10' 55"	N88° 37' 36"W	24.81'
C103	155.00	28.58'	010° 33' 47"	S89° 19' 02"E	28.54'
C104	180.00	33.19'	010° 33' 47"	S89° 19' 02"E	33.14'
C105	205.00	37.79'	010° 33' 47"	S89° 19' 02"E	37.74'
C106	276.50	87.26'	018° 04' 51"	N76° 20' 03"E	86.89'
C107	301.50	95.67'	018° 10' 50"	N76° 18' 39"E	95.27'
C108	326.50	104.10'	018° 16' 07"	N76° 17' 25"E	103.66'
C109	205.00	125.39'	035° 02' 43"	S83° 05' 24"W	123.44'
C110	180.00	110.10'	035° 02' 43"	S83° 05' 24"W	108.39'
C111	155.00	94.81'	035° 02' 43"	S83° 05' 24"W	93.34'
C112	275.00	92.07'	019° 10' 56"	N77° 52' 01"E	91.64'
C113	300.00	100.44'	019° 10' 56"	N77° 52' 01"E	99.97'
C114	325.00	108.81'	019° 10' 56"	N77° 52' 01"E	108.30'
C115	325.00	122.10'	021° 31' 32"	S79° 02' 20"W	121.38'
C116	300.00	112.71'	021° 31' 32"	S79° 02' 20"W	112.05'
C117	275.00	116.01'	024° 10' 14"	S80° 21' 41"W	115.15'
C118	248.32	276.95'	063° 54' 10"	S79° 27' 36"E	262.82'
C119	335.04	116.46'	019° 54' 57"	N12° 21' 18"W	115.87'
C120	265.03	92.33'	019° 57' 38"	S12° 19' 58"E	91.86'

LIMMER SQUARE
PRELIMINARY PLAT

CURVE TABLES

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
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DRAWING NAME: A474-1001 PL Sheets.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

CT1

SHEET NO. 08
OF 14 SHEETS

User Name: rbentley
Date/ Time: Fri, 30 May 2025 - 10:58am
PathName: G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 PL Sheets.dwg

LEGAL DESCRIPTION:

A METES AND BOUNDS
DESCRIPTION OF A
111.851 ACRE TRACT OF LAND

BEING a 111.851 acre (4,872,228 square feet) tract of land situated in the R. McNutt Survey, Abstract No. 422, Williamson County, Texas; and being portion of that certain 148 acres described in instrument to Pearl Hanusch in Volume 312, Page 370 of the Deed Records of Williamson County; and being more particularly described as follows:

BEGINNING at a 1/2 inch iron rod found on the southerly right-of-way line of County Road 109 / Limmer Loop (104 foot measured width public right-of-way) and marking the southeast corner of that certain 0.133 acre tract described in instrument to Williamson County in Document No. 2007030485 of the Official Public Records and situated on the easterly boundary of that certain 1.83 acre tract described in instrument to Randel G. Len and Nancy S. in Volume 2527, Page 887 of the Official Public Records of Williamson County;

THENCE, along the southerly right-of-way line of said County Road 109 / Limmer Loop, same being the southerly boundary of that certain 0.683 acre tract described in instrument to Williamson County in Document No. 2006023222 of the Official Public Records of Williamson County the following three (3) courses and distances:

1. North 87°26'37" East, 1067.45 feet to a 1/2 inch iron rod with plastic cap stamped "Diamond Surveying" found for corner;
2. South 02°33'23" East, 21.27 feet to a 1/2 inch iron rod with plastic cap stamped "Diamond Surveying" found for corner;
3. South 71°30'08" East, 159.13 feet to a 1/2 inch iron rod with an illegible plastic cap found for corner;

THENCE, continuing along the southerly right-of-way of said County Road 109 / Limmer Loop (no record at this point) the following four (4) courses and distances:

1. South 47°28'05" East, 187.87 feet to a 1/2 inch iron rod with plastic cap stamped "Diamond Surveying" found for corner;
2. in an easterly direction along a non-tangent curve to the left, having a radius of 248.32 feet, a chord South 79°27'36" East, 262.82 feet, a central angle of 63°54'10", and an arc length of 276.95 feet to a 1/2 inch iron rod with plastic cap stamped "Diamond Surveying" found for corner;
3. North 68°37'54" East, 76.05 feet to a 1/2 inch iron rod with plastic cap stamped "Diamond Surveying" found for corner;
4. North 68°38'26" East, 344.13 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found marking the northwest corner of that certain 17.522 acre tract described in judgement to the State of Texas in Document No. 2006028857 of the Official Public Records of Williamson County on the southwesterly right-of-way line of State Highway 130 (variable width public right-of-way);

THENCE, departing the southerly right-of-way line of said County Road 109 / Limmer Loop and along the southwesterly right-of-way line of State Highway 130 the following two (2) courses and distances:

1. South 24°47'35" East, 25.33 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found for corner;
2. South 20°49'55" East, 986.38 feet to a 1/2 inch iron rod found with aluminum cap stamped "TXDOT" found for corner;

THENCE, departing the southeasterly right-of-way line of said State Highway 130 and along the northerly and westerly boundary of that certain 112.883 acre tract described in instrument to Jarret Pace and Mary Placke in Volume 268, Page 44 of the Official Public Records of Williamson County tract the following three (3) courses and distances:

1. South 87°05'21" West, 207.21 feet to a 1/2 inch iron rod found for corner;
2. South 87°01'31" West, 56.98 feet to a 1/2 inch iron rod with plastic cap stamped (KHA) set for corner;
3. South 03°53'49" West, 1835.40 feet to a 1/2 inch iron rod found marking the northeast corner of Lot 6, Block B of Green Haven Phase 1, plat of which is recorded in Document No. 2012003555 of the Official Public Records of Williamson County;

THENCE, along the northerly and easterly boundaries of Block B and Block A of said Green Haven Phase 1 the following three (3) courses and distances:

1. North 89°59'20" West, 902.59 feet to a 1/2 inch iron rod with plastic cap stamped "Austin Surveyors" found for corner;
2. North 02°32'31" West, 1150.50 feet to a 1/2 inch iron rod found marking the northeast corner of Lot 8, Block A of said Green Haven Phase 1;
3. South 86°46'56" West, 1133.24 feet to a 1/2 inch iron rod with illegible plastic cap found on the easterly right-of-way line of Haybarn Lane (70 foot wide right-of-way described in Document No. 2010062192 of the Official Public Records of Williamson County) and marking the northwest corner of Lot 12, Block A of said Green Haven Phase 1;

THENCE, along the easterly right-of-way line of Haybarn Lane the following four (4) courses and distances:

1. North 02°23'50" West, 1084.60 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found for corner;
2. in a northerly direction along a tangent curve to the left, having a radius of 335.04 feet, a chord of North 12°21'18" West, 115.87 feet, a central angle of 19°54'57", and an arc length of 116.46 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found for corner;
3. North 22°18'47" West, 100.16 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found for corner;
4. in a northerly direction along a tangent curve to the right, having a radius of 265.03 feet, a chord of North 12°19'58" West, 91.86 feet, a central angle of 19°57'37", and an arc length of 92.33 feet to a 1/2 inch iron rod with plastic cap stamped "Kontur Tech" found marking the south corner of aforesaid 1.83 acre tract;

THENCE, departing the easterly right-of-way line of Haybarn Lane and along the southeasterly boundary of said 1.83 acre tract the following five (5) courses and distances:

1. North 75°32'48" East, 100.62 feet to a 1/2 inch iron rod found for corner;
2. North 54°35'10" East, 100.99 feet to a 1/2 inch iron rod found for corner;
3. North 23°05'32" East, 105.03 feet to a 1/2 inch iron rod found for corner;
4. North 12°15'48" East, 85.46 feet to a 1/2 inch iron rod found for corner;
5. North 02°54'54" West, 106.88 feet to the **POINT OF BEGINNING** and containing 111.851 acres of land in Williamson County, Texas. The basis of bearing for this description is the Texas State Plane Coordinate System Grid, Central Zone (FIPS 4203) (NAD'83). All distances are on the Grid and shown in U.S. Survey Feet. This document was prepared in the office of Kimley-Horn and Associates, Inc. in San Antonio, Texas.

LIMMER SQUARE
PRELIMINARY PLAT

METES & BOUNDS

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 MB1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED
ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER:
A474-1001

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SHEET NO. 09
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Date/ Time - Fri, 30 May 2025 - 10:59am
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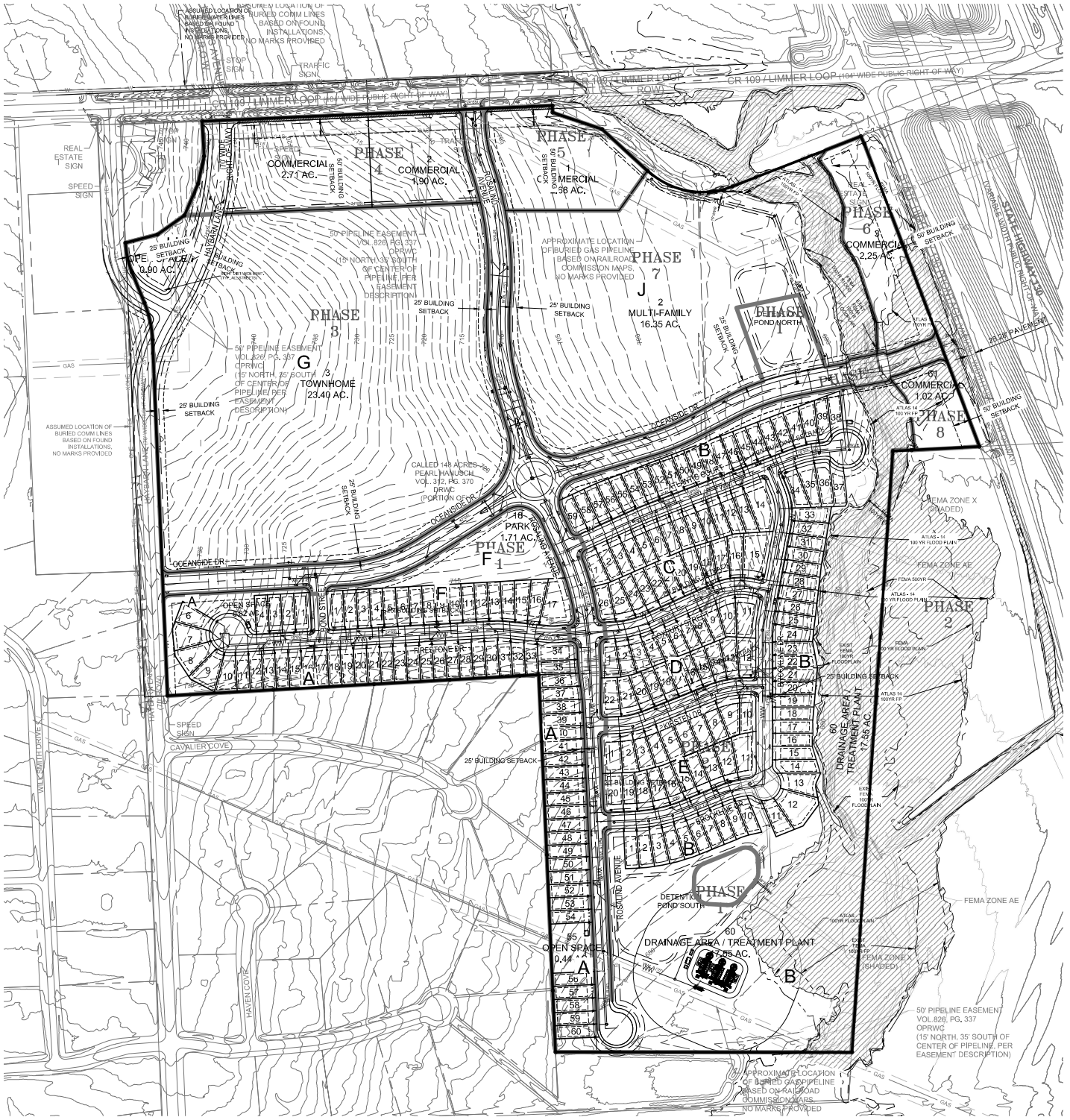

N

0 200 400

1" = 200'

LEGEND:

- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED AIR RELEASE VALVE
- EXISTING AIR RELEASE VALVE
- PROPOSED PLUG OR CAP
- EXISTING PLUG OR CAP
- PROPOSED CLEAN OUT
- EXISTING CLEAN OUT
- PROPOSED WATER LINE
- PROPOSED WASTEWATER LINE AND MANHOLE
- PROPOSED STORM SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE AND MANHOLE
- EXISTING STORM SEWER LINE
- DOUBLE SANITARY SERVICE LEAD
- SINGLE SANITARY SERVICE LEAD
- DOUBLE WATER SERVICE LEAD
- SINGLE WATER SERVICE LEAD
- SINGLE WASTEWATER PRESSURE SERVICE LEAD

LIMMER SQUARE PRELIMINARY PLAT

OVERALL UTILITY PLAN

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 UT1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
REGISTERED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

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SHEET NO. 10

OF 14 SHEETS

Date/Time - Fri, 30 May 2025 - 10:59am
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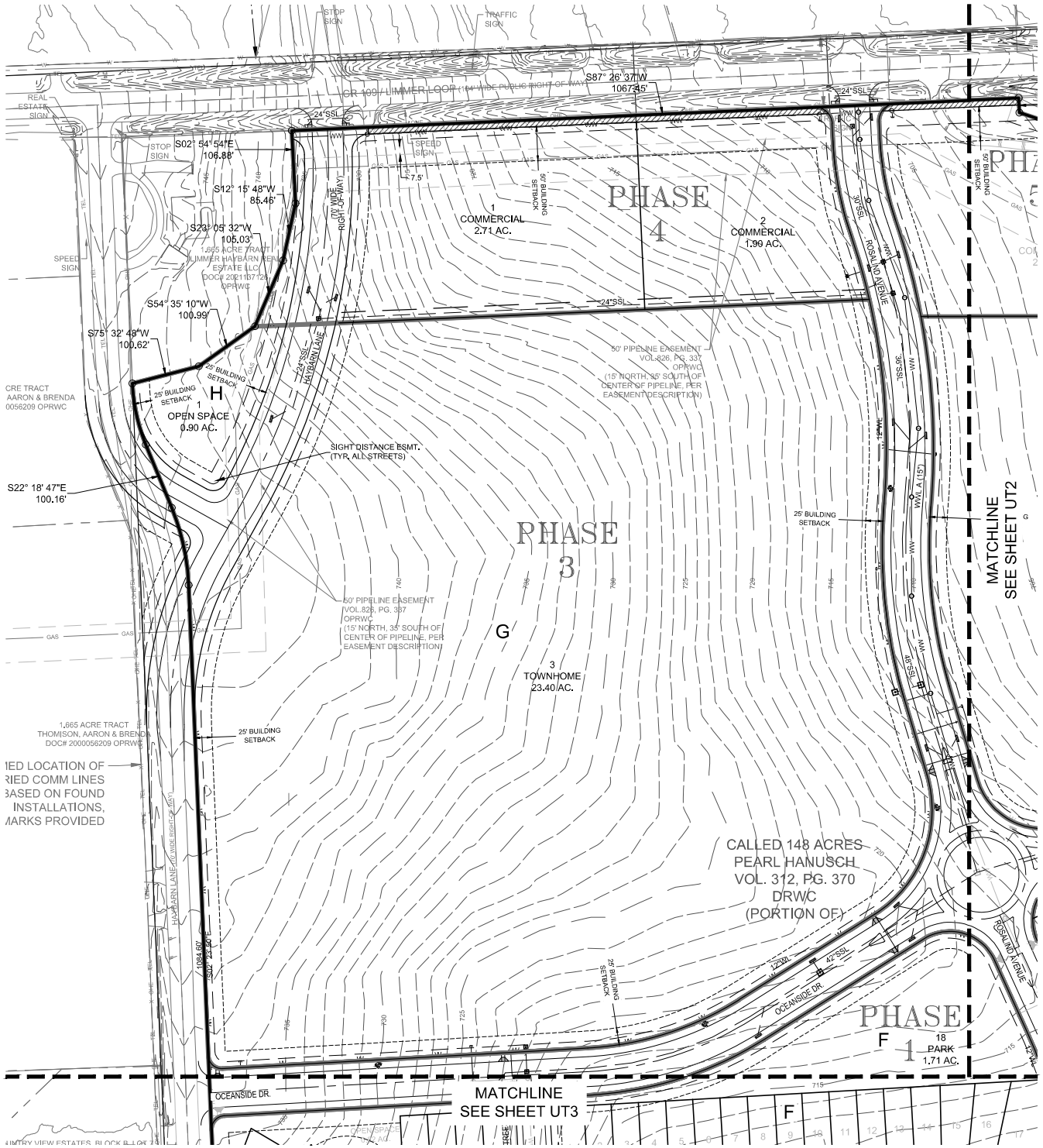


N

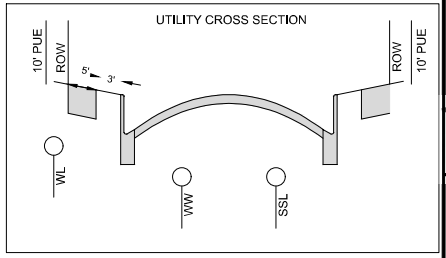
0 100 200

1" = 100'

LEGEND:

- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED AIR RELEASE VALVE
- EXISTING AIR RELEASE VALVE
- PROPOSED PLUG OR CAP
- EXISTING PLUG OR CAP
- PROPOSED CLEAN OUT
- EXISTING CLEAN OUT
- PROPOSED WATER LINE
- PROPOSED WASTEWATER LINE AND MANHOLE
- PROPOSED STORM SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE AND MANHOLE
- EXISTING STORM SEWER LINE
- DOUBLE SANITARY SERVICE LEAD
- SINGLE SANITARY SERVICE LEAD
- DOUBLE WATER SERVICE LEAD
- SINGLE WATER SERVICE LEAD
- SINGLE WASTEWATER PRESSURE SERVICE LEAD

UTILITY CROSS SECTION



LIMMER SQUARE PRELIMINARY PLAT

UTILITY PLAN
(SHEET 1 OF 4)

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 UT1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER: A474-1001

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SHEET NO. 11
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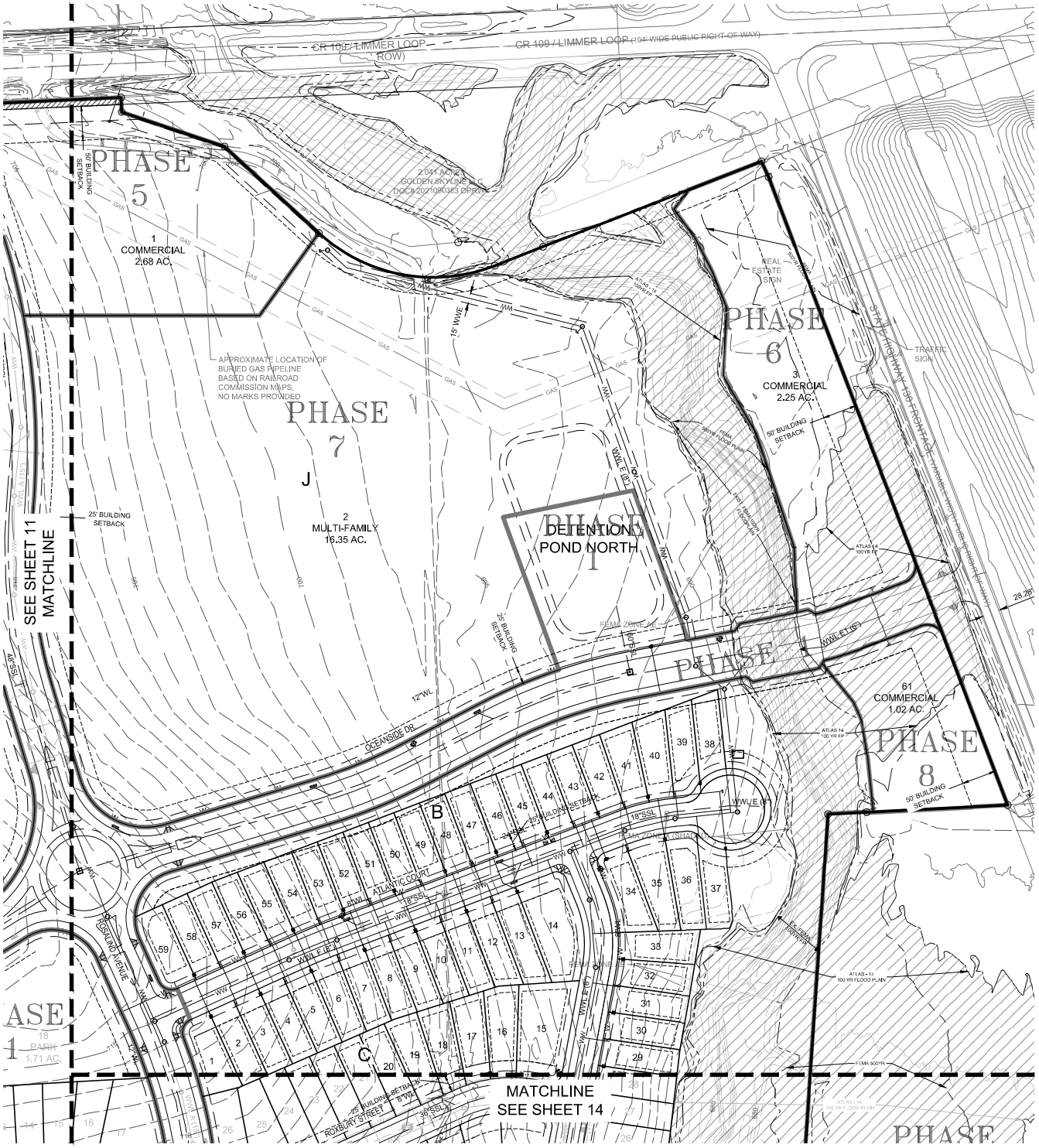


N

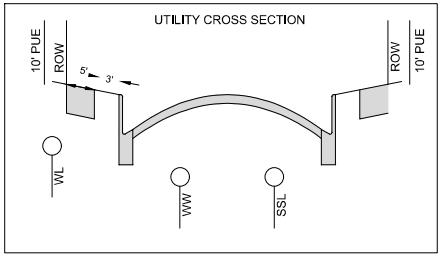
0 100 200

1" = 100'

LEGEND:

- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED AIR RELEASE VALVE
- EXISTING AIR RELEASE VALVE
- PROPOSED PLUG OR CAP
- EXISTING PLUG OR CAP
- PROPOSED CLEAN OUT
- EXISTING CLEAN OUT
- PROPOSED WATER LINE
- PROPOSED WASTEWATER LINE AND MANHOLE
- PROPOSED STORM SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE AND MANHOLE
- EXISTING STORM SEWER LINE
- DOUBLE SANITARY SERVICE LEAD
- SINGLE SANITARY SERVICE LEAD
- DOUBLE WATER SERVICE LEAD
- SINGLE WATER SERVICE LEAD
- SINGLE WASTEWATER PRESSURE SERVICE LEAD

UTILITY CROSS SECTION



LIMMER SQUARE
PRELIMINARY PLAT

UTILITY PLAN
(SHEET 2 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 UT1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
REGISTERED
PROFESSIONAL
ENGINEER
5/30/25

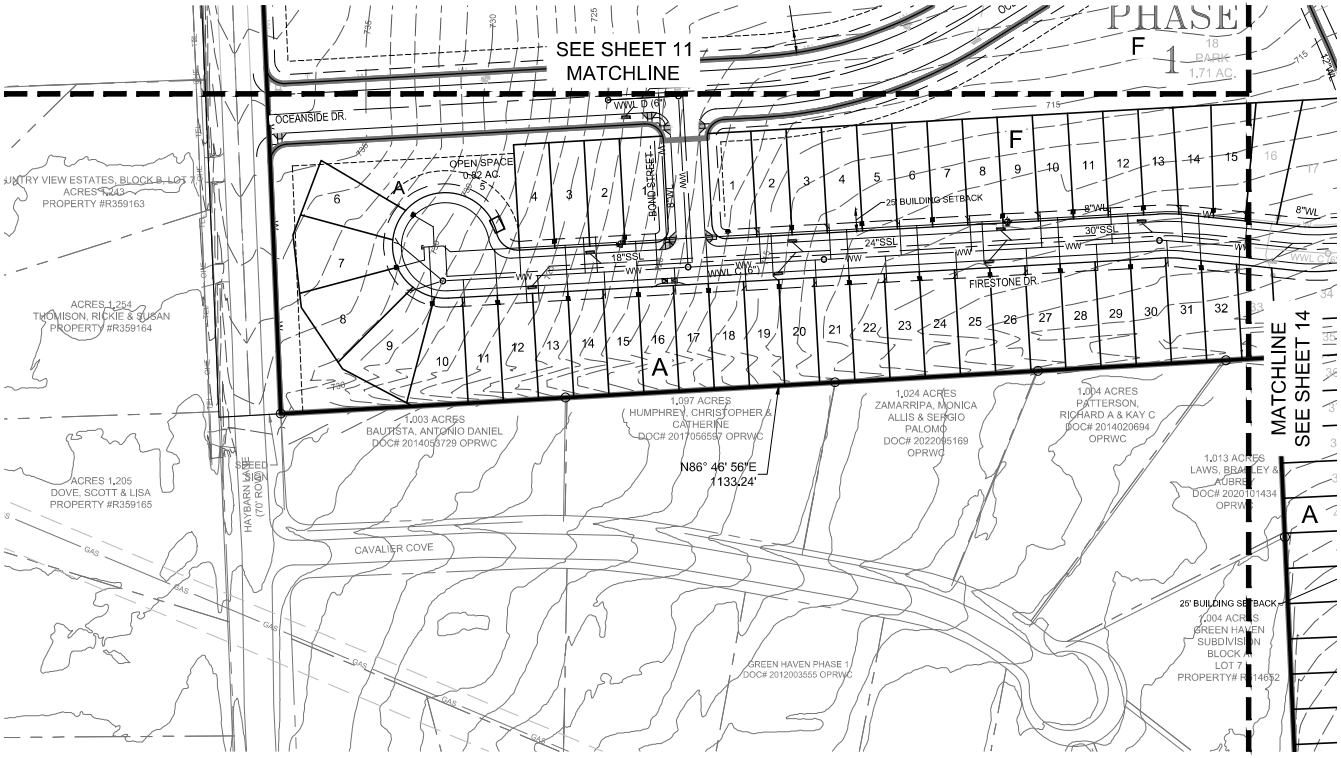
LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER:
A474-1001

UT2

SHEET NO. 12
OF 14 SHEETS

Date/Time - Fri, 30 May 2025 - 10:59am
User Name - rbentley
PathName - G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 UT1.dwg



N

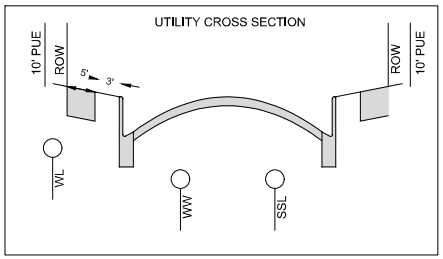
0 100 200

1" = 100'

LEGEND:

- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED AIR RELEASE VALVE
- EXISTING AIR RELEASE VALVE
- PROPOSED PLUG OR CAP
- EXISTING PLUG OR CAP
- PROPOSED CLEAN OUT
- EXISTING CLEAN OUT
- PROPOSED WATER LINE
- PROPOSED WASTEWATER LINE AND MANHOLE
- PROPOSED STORM SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE AND MANHOLE
- EXISTING STORM SEWER LINE
- DOUBLE SANITARY SERVICE LEAD
- SINGLE SANITARY SERVICE LEAD
- DOUBLE WATER SERVICE LEAD
- SINGLE WATER SERVICE LEAD
- SINGLE WASTEWATER PRESSURE SERVICE LEAD

UTILITY CROSS SECTION



LIMMER SQUARE
PRELIMINARY PLAT

UTILITY PLAN
(SHEET 3 OF 4)

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 UT1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED PROFESSIONAL ENGINEER
5/30/25

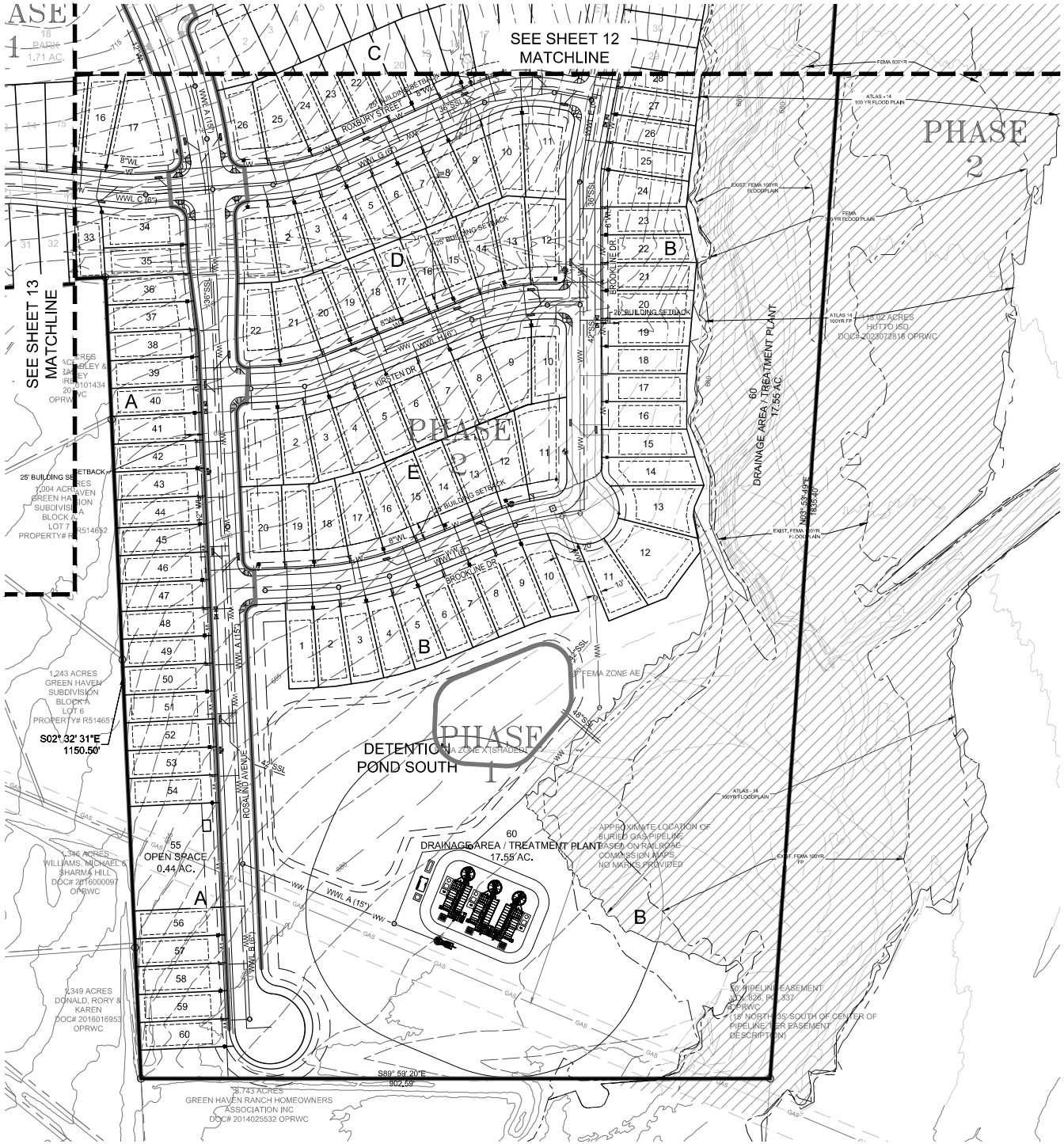
LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

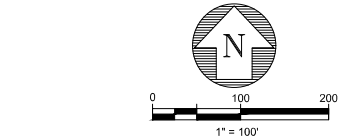
JOB NUMBER:
A474-1001

UT3

SHEET NO. 13
OF 14 SHEETS

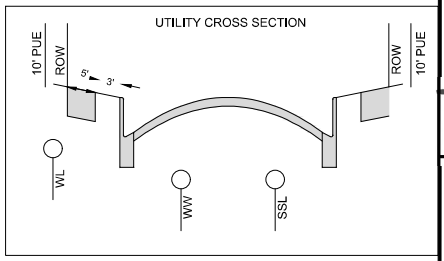
Date/Time - Fri, 30 May 2025 - 10:59am
User Name - rbentley
PathName - G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 UT1.dwg





LEGEND:

- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED AIR RELEASE VALVE
- EXISTING AIR RELEASE VALVE
- PROPOSED PLUG OR CAP
- EXISTING PLUG OR CAP
- PROPOSED CLEAN OUT
- EXISTING CLEAN OUT
- PROPOSED WATER LINE
- PROPOSED WASTEWATER LINE AND MANHOLE
- PROPOSED STORM SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE AND MANHOLE
- EXISTING STORM SEWER LINE
- DOUBLE SANITARY SERVICE LEAD
- SINGLE SANITARY SERVICE LEAD
- DOUBLE WATER SERVICE LEAD
- SINGLE WATER SERVICE LEAD
- SINGLE WASTEWATER PRESSURE SERVICE LEAD



LIMMER SQUARE
PRELIMINARY PLAT

UTILITY PLAN
(SHEET 4 OF 4)

REVISIONS			
NO.	DESCRIPTION	BY	DATE

DATE: 5/30/2025
DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
DRAWING NAME: A474-1001 UT1.dwg

STATE OF TEXAS
T. W. HOYSA
100072
LICENSED ENGINEER
5/30/25

LJA Engineering, Inc.
2700 La Frontera Blvd
Suite 200
Round Rock, TX 78681
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

JOB NUMBER:
A474-1001

UT 4

SHEET NO. 14
OF 14 SHEETS

Date/Time - Fri, 30 May 2025 - 10:59am
User Name - rbentley
PathName - G:\A474-1001 Hutto - LIMMER SQUARE\ACAD_Sheet Files\PRELIM\A474-1001 UT1.dwg

Commissioners Court - Regular Session **32.**

Meeting Date: 06/10/2025

Emergency Communications recognized as an Accredited Center of Excellence for emergency dispatching

Submitted By: Hilary Martin, 911 Communications

Department: 911 Communications

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Williamson County Emergency Communications being approved as an Emergency Fire and Emergency Police Dispatch Center of Excellence on May 29th, 2025.

Background

Williamson County Emergency Communications has the distinguished honor of being the 78th Emergency Fire and 34th Emergency Police Dispatch Accredited Center of Excellence (ACE) in the world. In Texas, WCEC is the first to achieve the Emergency Police Dispatch ACE and the fifth to achieve the Emergency Fire Dispatch ACE. They are also the first to achieve these accreditations together.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

ACE Accredidation

ACE News Release

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 10:45 AM
Form Started By: Hilary Martin		Started On: 06/05/2025 10:14 AM
Final Approval Date: 06/05/2025		

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Michael Delaney (Ireland)
James Gummett (England) (Emeritus)
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Andy Heward (England)
Stuart Ide (England)
Peter Keating (Ireland)
Beverley Logan (England)
Ray Lunt (England)
Andy Newton (England) (Emeritus)
Cathal O'Donnell, MD (Ireland)
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Janette K. Turner (England)
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Chip Darius, MA (CT)
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Norm Dinerman, MD (ME)
Patricia J. Dukes, MICT (HI)
James V. Dunford, MD (CA)
Conrad Fivaz, MD (UT)
Gary Galasso (UT)
Keith Griffiths (CA)
Jeffrey R. Grunow, MSN (UT)
Darren Judd (UT)
Alexander Kuehl, MD, MPH (NY) (Emeritus)
James Lake (SC)
James Lanier (FL)
Stephen L'Heureux (NH)
Victoria A. Maguire (MI) (Emeritus)
Sheila Malone (IN)
Susi Marsan (GA) (Emeritus)
Robert L. Martin (CA)
Dave Massengale (CA)
Catherine McCormick-Bishop (MI)
Jerry L. Overton (UT)
Eric Parry, ENP (WA)
Rick W. Patrick (PA)
Brett A. Patterson (FL)
Paul E. Pepe, MD, MPH (TX)
Ross Rutschman (OR) (Emeritus)
Doug Smith-Lee (WA)
Tom Somers (CA)
Paul Stiegler, MD (WI)
Michael Thompson (UT)
Carl C. Van Cott (NC)
Jonathan Washko (NY)
Arthur H. Yancey, II, MD, MPH (GA)
Tina Young (CO)

WORLD HEADQUARTERS
110 South Regent Street, 8th Floor
Salt Lake City, Utah 84111 USA
USA/Canada toll-free: (800) 960-6236
Intl/Local: (801) 359-6916
Fax: (801) 359-0996
emergencydispatch.org
Australasian Office
144/66 Kingsway Glen Waverley
Victoria 3150 Australia
U.K. Office
Suite B, 4th Floor, Spectrum
Bond Street
Bristol, BS1 3LG, United Kingdom
Québec Canadian Office
2 Chemin Paul-Gregoire
La Minerve, Quebec, Canada J0T1S0
European Office
Eben 12
A-6234 Brandenberg, Austria
Italian Office
Corso Turati 15h
10128 Torino, Italy
Malaysian Office
31-5 Jalan PJS 5/30
Pusat Dagangan Petaling Jaya Selatan
46150 · Petaling Jaya · Selangor,
Malaysia

IAED | International Academies of Emergency Dispatch.

May 30, 2025

Williamson County Emergency Communication
ATTN: Kate Wolf, Director
911 Tracy Chambers Lane
Georgetown, TX 78626

Dear Director Wolf,

On behalf of the Board of Accreditation of the International Academies of Emergency Dispatch, we are pleased to announce Williamson County Emergency Communication was approved as an Emergency Fire and Emergency Police Dispatch Center of Excellence on May 29th, 2025. Therefore, Williamson County Emergency Communication has the distinguished honor of being the 78th Emergency Fire and 34th Emergency Police Dispatch Accredited Center in the world.

Congratulations and thank you for your patience during the accreditation application review process. Williamson County Emergency Communication will be recognized at NAVIGATOR 2026 in Las Vegas, Nevada (April 21st – 24th) and enjoy a special evening with fellow distinguished agencies at the ACE Reception. Subsequent details regarding this invitation only event will be provided closer to the conference.

If we can ever be of service to Williamson County Emergency Communication, it will be our privilege. Again, congratulations on this exemplary achievement.

Best Regards,
The International Academies of Emergency Dispatch

Jeff J. Clawson, M.D.
Board of Trustees, Chair

Christof C. Chwojka
Board of Accreditation, Chair

Pamela K. Stewart
Board of Certification, Chair

THIS IS BOILERPLATE COPY FOR A NEWS RELEASE.

1. ADD YOUR BRANDING
2. UPDATE ALL BRACKETED ITEMS
3. ADD OR REMOVE CONTENT AS NEEDED
4. IAED QUOTES MAY NOT BE MODIFIED
5. DESCRIPTIONS OF IAED AND ACE MAY NOT BE MODIFIED WITHOUT PRIOR CONSENT

DELETE THIS BOX

NEWS RELEASE

[AGENCY] EARNS AWARD FOR DISPATCH EXCELLENCE

[CITY] [Date] — [Agency] has been recognized by The International Academies of Emergency Dispatch® (IAED™) as an Accredited Center of Excellence (ACE) for emergency [discipline] dispatching. [Agency] is the [#] [Discipline] ACE in the world.

IAED is the standard-setting organization for emergency dispatch services worldwide. Accreditation (and subsequent re-accreditation) from the IAED is the highest distinction given to emergency communication centers, certifying that the center is performing at or above the established standards for the industry. Centers who earn ACE status are the embodiment of dispatch done right, and have demonstrated strong local oversight, rigorous quality processes, and a commitment to data-driven continuous improvement.

[Insert highlights of agency]

[insert quote from agency]

“Accreditation is truly a pinnacle achievement”, said Christof Chwojka, Accreditation Board Chair at IAED. “We applaud the dedicated calltakers, dispatchers, and leadership team at [Agency] for their commitment to quality, and for meeting that high standard that few achieve. We know their community can count on these first, first responders to do an outstanding job.”

IAED will present [Agency] with an Accreditation plaque that commemorates their achievement. IAED Accreditation is the culmination of a lengthy, arduous process that includes the completion of the 20 Points of Accreditation, a detailed evaluation of performance by industry experts, and a final review and ruling by IAED.

Accreditation is valid for a three-year period, during which all standards must be upheld. Emergency communication centers can earn multiple accreditations, one for each emergency discipline they service (medical, fire, police, and emergency nurse triage).

Over 3,500 emergency communication centers worldwide use the medical, fire, police, and emergency nurse triage protocols developed and maintained by the IAED. The protocol-based system—known as the Priority Dispatch System™—is recognized as the standard of care and practice for emergency dispatch, and is used in 46 countries.

Story Assets
Attached: Agency Logo, Agency Image, Agency Contact Image, IAED Logo, ACE Logo,

About [Agency]
[Insert agency information]

[Agency] Media Contact
[Insert agency contact information]

About IAED
For more than 40 years, the IAED has been the standard-setting organization for emergency dispatch and response services worldwide, and is the leading body of emergency dispatch experts. We are a member-driven association working to serve the public through the professional development of dispatchers. Our various boards and councils

work on behalf of the membership—and in coordination with other public safety organizations—to ensure that the comprehensive system of emergency dispatching is as safe, fast, effective, and up-to-date as possible.

IAED Media Contact
Matthew Miko
Director of Academics, Research, and Communications
matthew.miko@emergencydispatch.org

###

Commissioners Court - Regular Session **33.**

Meeting Date: 06/10/2025

NHCPC

Submitted For: Valerie Covey **Submitted By:** Rachel Rull, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the National Habitat Conservation Plan Coalition recognition of service.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:04 PM
Form Started By: Rachel Rull		Started On: 06/05/2025 11:55 AM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **34.**

Meeting Date: 06/10/2025

Policy Discussing ITS involvement

Submitted For: Valerie Covey **Submitted By:** Rachel Rull, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a policy to include Technology Services on all projects involving facilities, parks, or other applicable infrastructure.

Background

Members of the Court have mentioned the need to include Technology Services on all projects; however, the policy has not been solidified or placed in any Standard Operating Procedures. This item allows the Court to discuss the policy and where it should be housed.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:03 PM
Form Started By: Rachel Rull		Started On: 06/05/2025 11:46 AM
Final Approval Date: 06/05/2025		

Meeting Date: 06/10/2025

Salary Grievance Committee Selection

Submitted For: Ashlie Holladay **Submitted By:** Saira Hernandez, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the selection of salary grievance committee members in the event a hearing is needed with respect to the FY26 Budget.

Background

We are utilizing section 152.015 (b) as recommended by Legal Counsel:

Sec. 152.014. SALARY GRIEVANCE COMMITTEE. (a) In each county there is a salary grievance committee composed of the county judge and:
(1) the sheriff, county tax assessor-collector, county treasurer, county clerk, district clerk, county attorney or criminal district attorney, and the number of public members necessary to provide nine voting members; or
(2) nine public members, if the commissioners court votes to have nine public members.
(b) The county judge is chairman of the committee, but is not entitled to vote.
(c) Public members must be residents of the county.
Sec. 152.015. SELECTION AND TERM OF PUBLIC MEMBERS ON GRIEVANCE COMMITTEE. (a) The public members of the salary grievance committee shall be selected as provided by Subsection (b) or (b-1) at a meeting of the commissioners court at any time during the year, but not later than the 15th day after the date a request for a hearing is received under Section 152.016(a). If a request for a public hearing is not received, the commissioners court is not required to select public members.
(b) Except as provided by Subsection (b-1), before the meeting required by Subsection (a), the county clerk shall place on a separate slip the name of each person who served on a grand jury in the county during the preceding calendar year. At the meeting the slips shall be folded, placed in an appropriate container, and mixed. The county judge shall draw at random a number of slips equal to the number of public members needed for the committee and shall announce the names on the slips. At the meeting the county judge may repeat this process and make a list of alternates.
(b-1) As an alternative to the process prescribed by Subsection (b), the commissioners court may direct the county clerk to use a computer to generate a randomized list of the names of all persons who served on a grand jury in the county during the preceding calendar year. At the meeting required by Subsection (a), the commissioners court shall:
(1) adopt the randomized list;
(2) enter the list into the minutes of the meeting; and
(3) select, in the order of the list, the necessary number of public members and alternates.
(b-2) A person whose name is selected under this section becomes a member of the committee or an alternate on submitting written acceptance of the selection to the clerk. If a person refuses or is unable to serve on the committee, a replacement shall be appointed from the list of alternates. If the list of alternates is exhausted or does not exist, a replacement shall be selected from the remaining names not already selected, in the same manner as the replaced member, at the next regular or called commissioners' court meeting. This process shall be repeated until the required number of public members have accepted the selection.
(c) A public member serves until the later of:
(1) the end of the fiscal year in which the public member is appointed; or
(2) the time the committee takes a final vote on the last of the grievances for which the committee held a public hearing.
(d) A vacancy in a public member position shall be filled for the unexpired part of the term by appointment from the list of alternates. If the list of alternates is exhausted or does not exist, a replacement shall be selected from the remaining names not already selected, in the same manner as the vacating member, at a meeting of the

commissioners' court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Jury List

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 11:24 AM
Form Started By: Saira Hernandez		Started On: 06/04/2025 04:57 PM
Final Approval Date: 06/05/2025		

Grand Jury List Provided by County Clerk

Jury Term Served	Grand Jury By Name
1.02.2024	Lisa Farina
1.02.2024	James Fischetti
1.02.2024	Gene Slevin
1.02.2024	Caroline Bolton
1.02.2024	Marlene Miller
1.02.2024	Emily Price
1.02.2024	David Huber
1.02.2024	Madeleine Price
1.02.2024	Tesse Smitherman
1.02.2024	Dawn Azbill-Smith
1.02.2024	Kennith Smith
1.02.2024	Kimberli Vaughn
07.02.2024	Linda Vaughn
07.02.2024	Byrle Arnold Jr.
07.02.2024	Christopher Womack
07.02.2024	Nancy Wright
07.02.2024	Marjorie Chorzempa
07.02.2024	Aaron Hernandez
07.02.2024	Jace Mateucci
07.02.2024	Marie Broek
07.02.2024	John Aylyng
07.02.2024	Christi Gutierrez
07.02.2024	Gretchen Smith
07.02.2024	Christopher Karschnik

Commissioners Court - Regular Session **36.**

Meeting Date: 06/10/2025

Forest St. Property Contract

Submitted By: Hal Hawes, General Counsel

Department: General Counsel

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on a Commercial Contract Assignment of Buyer's Interest between Novert A. Morales & Wendy Morales, as Sellers, Scott Stribling, as Assignor, and Wiliamson County, Texas, as Assignee/Buyer, relating to the assignment of a Commercial Contract for Improved Property to Williamson County, Texas for the purchase of the real property and improvements located at 600 Forest Street, Georgetown, Texas (S3667 – City of Georgetown, Lot 1, 2 (N/PT), Acres 0.275).

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Commerical Contract Assignment - 600 Forest St., Georgetown

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:04 PM
Form Started By: Hal Hawes		Started On: 06/05/2025 12:04 PM
Final Approval Date: 06/05/2025		

Docusign Envelope ID: F8078468-2294-4DC8-9AE9-9FFCE5BD3036

TEXAS REALTORS

COMMERCIAL CONTRACT ASSIGNMENT OF BUYER'S INTEREST

USE OF THIS FORM BY PERSONS WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS®, INC. IS NOT AUTHORIZED.
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ASSIGNOR: Scott Stribling

ASSIGNEE: Williamson County, Texas

Address: 710 Main Street, Suite 101 Georgetown, Texas 78626
Phone: (512)943-1550 E-mail: steve.snell@wilcotx.gov
Fax: _____ Other: _____

SELLER: Novert A Morales
Wendy Morales

PROPERTY: 600 Forest, Georgetown, TX 78626

CONTRACT: A Commercial Contract - [X] Improved Property [ ] Unimproved Property executed by Assignor (as Buyer) and Seller concerning the Property, having an effective date of _____ , _____ .

For and in consideration of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable consideration paid by Assignee to Assignor, Assignor hereby assigns Assignor's interest in the Contract, including Assignor's interest as Buyer and Assignor's interest in the earnest money in the amount of $ 10,000.00 to Assignee, and Assignee hereby assumes all of Assignor's responsibilities and obligations associated with Assignor's interest in the Contract.

SPECIAL PROVISIONS:

This Assignment shall be effective as of June 11 , 2025 .

Commercial Contract Assignment concerning: **600 Forest, Georgetown, TX 78626**

Assignor: **Scott Stribling**

By: DocuSigned by: Scott Stribling 2040130D622F426...

By (signature): Scott Stribling

Printed Name: **Scott Stribling**

Title: _____ Date: 6/4/2025

By: _____

By (signature): _____

Printed Name: _____

Title: _____ Date: _____

Assignee: **Williamson County, Texas**

By: _____

By (signature): _____

Printed Name: **Steven Snell, Williamson County Judge**

Title: **Williamson County Judge** Date: _____

By: _____

By (signature): _____

Printed Name: _____

Title: _____ Date: _____

Seller consents to the assignment of Assignor's interest in the Contract to Assignee.

Seller: **Novert A Morales**

Wendy Morales

By: _____

By (signature): Signed by: Novert A Morales CD2BBFD642A944D...

Printed Name: Novert A Morales

Title: _____ Date: 6/4/2025

By: _____

By (signature): Signed by: WENDY MORALES 2F4363965444D4...

Printed Name: WENDY MORALES

Title: _____ Date: 6/4/2025

Century 21 Hellmann Stribling, 801 S Main St Georgetown TX 78626 Phone: **5128630021** Fax: **512.863.8228** **600 Forest**
Scott Stribling
Produced with Lone Wolf Transactions (zipForm Edition) 717 N Harwood St, Suite 2200, Dallas, TX 75201 www.lwolf.com

TEXAS REALTORS

COMMERCIAL CONTRACT - IMPROVED PROPERTY

USE OF THIS FORM BY PERSONS WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS®, INC. IS NOT AUTHORIZED.
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1. **PARTIES:** Seller agrees to sell and convey to Buyer the Property described in Paragraph 2. Buyer agrees to buy the Property from Seller for the sales price stated in Paragraph 3. The parties to this contract are:

Seller: **Novert A Morales**
Wendy Morales
Address: **1 Old Stable Ln, West Lake Hills, TX, TX 78746**
Phone: _____ E-mail: **wendy.morales@compass.com**
Mobile: _____ Fax or Other: _____

Buyer: **Scott Stribling, or Assigns**

Address: **801 S Main, Georgetown, TX 78626**
Phone: _____ E-mail: **scottstribling@gmail.com**
Mobile: **(512)630-7535** Fax or Other: _____

2. **PROPERTY:**

A. "Property" means that real property situated in **Williamson** County, Texas at **600 Forest, Georgetown, TX 78626** *(address)* and that is legally described on the attached Exhibit _____ or as follows:
S3667 - GEORGETOWN CITY OF, BLOCK 35, LOT 1, 2(N/PT), ACRES 0.275

B. Seller will sell and convey the Property together with:
(1) all buildings, improvements, and fixtures;
(2) all rights, privileges, and appurtenances pertaining to the Property, including Seller's right, title, and interest in any minerals, utilities, adjacent streets, alleys, strips, gores, and rights-of-way;
(3) Seller's interest in all leases, rents, and security deposits for all or part of the Property;
(4) Seller's interest in all licenses and permits related to the Property;
(5) Seller's interest in all third party warranties or guaranties, if transferable, relating to the Property or any fixtures;
(6) Seller's interest in any trade names, if transferable, used in connection with the Property; and
(7) all Seller's tangible personal property located on the Property that is used in connection with the Property's operations except: _____.
Any personal property not included in the sale must be removed by Seller prior to closing.

(Describe any exceptions, reservations, or restrictions in Paragraph 12 or an addendum.)
(If mineral rights are to be reserved an appropriate addendum should be attached.)
(If the Property is a condominium, attach Commercial Contract Condominium Addendum (TXR-1930) or (TXR-1946).)

3. **SALES PRICE:** At or before closing, Buyer will pay the following sales price for the Property:

A. Cash portion payable by Buyer at closing . . . . . $ **970,000.00**

B. Sum of all financing described in Paragraph 4 . . . . . $ _____

C. Sales price (sum of 3A and 3B) . . . . . $ **970,000.00**

4. FINANCING: Buyer will finance the portion of the sales price under Paragraph 3B as follows:

☐ A. Third Party Financing: One or more third party loans in the total amount of $ _____. This contract:

☐ (1) is not contingent upon Buyer obtaining third party financing.

☐ (2) is contingent upon Buyer obtaining third party financing in accordance with the attached Commercial Contract Financing Addendum (TXR-1931).

☐ B. Assumption: In accordance with the attached Commercial Contract Financing Addendum (TXR-1931), Buyer will assume the existing promissory note secured by the Property, which balance at closing will be $ _____.

☐ C. Seller Financing: Buyer will deliver a promissory note and deed of trust to Seller under the terms of the attached Commercial Contract Financing Addendum (TXR-1931) in the amount of $ _____.

5. EARNEST MONEY:

A. Not later than 3 days after the effective date, Buyer must deposit $ **$10,000.00** as earnest money with **Corridor Title** (title company) at **200 W 6th Suite 300, Georgetown TX 78626** (address) **Rachel Moore** (closer). If Buyer fails to timely deposit the earnest money, Seller may terminate this contract or exercise any of Seller's other remedies under Paragraph 15 by providing written notice to Buyer before Buyer deposits the earnest money.

B. Buyer will deposit an additional amount of $ **zero** with the title company to be made part of the earnest money on or before:

☐ (i) _____ days after Buyer's right to terminate under Paragraph 7B expires; or

☐ (ii) _____.

Buyer will be in default if Buyer fails to deposit the additional amount required by this Paragraph 5B within 3 days after Seller notifies Buyer that Buyer has not timely deposited the additional amount.

C. Buyer may instruct the title company to deposit the earnest money in an interest-bearing account at a federally insured financial institution and to credit any interest to Buyer.

6. TITLE POLICY, SURVEY, AND UCC SEARCH:

A. Title Policy:

(1) Seller, at Seller's expense, will furnish Buyer an Owner's Policy of Title Insurance (the title policy) issued by any underwriter of the title company in the amount of the sales price, dated at or after closing, insuring Buyer against loss under the title policy, subject only to:

(a) those title exceptions permitted by this contract or as may be approved by Buyer in writing; and

(b) the standard printed exceptions contained in the promulgated form of title policy unless this contract provides otherwise.

(2) The standard printed exception as to discrepancies, conflicts, or shortages in area and boundary lines, or any encroachments or protrusions, or any overlapping improvements:

☐ (a) will not be amended or deleted from the title policy.

☒ (b) will be amended to read "shortages in areas" at the expense of ☐ Buyer ☒ Seller.

(3) Within **7** days after the effective date, Seller will furnish Buyer a commitment for title insurance (the commitment) including legible copies of recorded documents evidencing title exceptions. Seller authorizes the title company to deliver the commitment and related documents to Buyer at Buyer's address.

B. Survey: Within 7 days after the effective date:

☐ (1) Buyer will obtain a survey of the Property at Buyer's expense and deliver a copy of the survey to Seller. The survey must be made in accordance with the: (i) ALTA/NSPS Land Title Survey standards, or (ii) Texas Society of Professional Surveyors' standards for a Category 1A survey under the appropriate condition. Seller will reimburse Buyer _____ *(insert amount)* of the cost of the survey at closing, if closing occurs.

☐ (2) Seller, at Seller's expense, will furnish Buyer a survey of the Property dated after the effective date. The survey must be made in accordance with the: (i) ALTA/NSPS Land Title Survey standards, or (ii) Texas Society of Professional Surveyors' standards for a Category 1A survey under the appropriate condition.

☒ (3) Seller will deliver to Buyer and the title company a true and correct copy of Seller's most recent survey of the Property along with an affidavit required by the title company for approval of the existing survey. If the existing survey is not acceptable to the title company, ☒ Seller ☐ Buyer (updating party), will, at the updating party's expense, obtain a new or updated survey acceptable to the title company and deliver the acceptable survey to the other party and the title company within 30 days after the title company notifies the parties that the existing survey is not acceptable to the title company. The closing date will be extended daily up to 30 days if necessary for the updating party to deliver an acceptable survey within the time required. The other party will reimburse the updating party zero *(insert amount or percentage)* of the cost of the new or updated survey at closing, if closing occurs.

C. UCC Search:

☐ (1) Within _____ days after the effective date, Seller, at Seller's expense, will furnish Buyer a Uniform Commercial Code (UCC) search prepared by a reporting service and dated after the effective date. The search must identify documents that are on file with the Texas Secretary of State and the county where the Property is located that relate to all personal property on the Property and show, as debtor, Seller and all other owners of the personal property in the last 5 years.

☒ (2) Buyer does not require Seller to furnish a UCC search.

D. Buyer's Objections to the Commitment, Survey, and UCC Search:

(1) Within 14 days after Buyer receives the last of the commitment, copies of the documents evidencing the title exceptions, any required survey, and any required UCC search, Buyer may object to matters disclosed in the items if: (a) the matters disclosed are a restriction upon the Property or constitute a defect or encumbrance to title to the real or personal property described in Paragraph 2 other than those permitted by this contract or liens that Seller will satisfy at closing or Buyer will assume at closing; or (b) the items show that any part of the Property lies in a special flood hazard area (an "A" or "V" zone as defined by FEMA). If the commitment or survey is revised or any new document evidencing a title exception is delivered, Buyer may object to any new matter revealed in such revision or new document. Buyer's objection must be made within the same number of days stated in this paragraph, beginning when the revision or new document is delivered to Buyer. If Paragraph 6B(1) applies, Buyer is deemed to receive the survey on the earlier of: (i) the date Buyer actually receives the survey; or (ii) the deadline specified in Paragraph 6B.

(2) Seller may, but is not obligated to, cure Buyer's timely objections within 15 days after Seller receives the objections. The closing date will be extended as necessary to provide such time to cure the objections. If Seller fails to cure the objections by the time required, Buyer may terminate

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this contract by providing written notice to Seller within 5 days after the time by which Seller must cure the objections. If Buyer terminates, the earnest money, less any independent consideration under Paragraph 7B(1), will be refunded to Buyer.

(3) Buyer's failure to timely object or terminate under this Paragraph 6D is a waiver of Buyer's right to object except that Buyer will not waive the requirements in Schedule C of the commitment.

7. PROPERTY CONDITION:

A. Present Condition: Buyer accepts the Property in its present condition except that Seller, at Seller's expense, will complete the following before closing: **N/A**

B. Feasibility Period: Buyer may terminate this contract for any reason within **45** days after the effective date (feasibility period) by providing Seller written notice of termination.

(1) Independent Consideration. *(Check only one box and insert amounts.)*

☒ (a) If Buyer terminates under this Paragraph 7B, the earnest money will be refunded to Buyer less $ **500.00** that Seller will retain as independent consideration for Buyer's unrestricted right to terminate. Buyer has tendered the independent consideration to Seller upon payment of the amount specified in Paragraph 5A to the title company. The independent consideration is to be credited to the sales price only upon closing of the sale. If no dollar amount is stated in this Paragraph 7B(1) or if Buyer fails to deposit the earnest money, Buyer will not have the right to terminate under this Paragraph 7B.

☐ (b) Not later than 3 days after the effective date, Buyer must pay $ _____ as independent consideration for Buyer's right to terminate by tendering such amount to the title company. Buyer authorizes escrow agent to release and deliver the independent consideration to Seller at any time upon Seller's request without further notice to or consent from Buyer. If Buyer terminates under this Paragraph 7B, the earnest money will be refunded to Buyer and Seller will retain the independent consideration. The independent consideration will be credited to the sales price only upon closing of the sale. If no dollar amount is stated in this Paragraph 7B(1)(b) or if Buyer fails to pay the independent consideration, Buyer will not have the right to terminate under this Paragraph 7B.

☒ (2) Feasibility Period Extension: Prior to the expiration of the initial feasibility period, Buyer may extend the feasibility period for a single additional period of **45** days by delivering **$1,000.00** to the title company as additional earnest money.

(a) **$500.00** of the additional earnest money will be retained by Seller as additional independent consideration for Buyer's unrestricted right to terminate, but will be credited to the sales price only upon closing of the sale. If Buyer terminates under this Paragraph 7B, the additional earnest money will be refunded to Buyer and Seller will retain the additional independent consideration.

(b) Buyer authorizes escrow agent to release and deliver to Seller the following at any time upon Seller's request without further notice to or consent from Buyer:
(i) The additional independent consideration.
(ii) *(Check no boxes or only one box.)*
☐ all or ☐ $ _____ of the remaining portion of the additional earnest money, which will be refunded to Buyer if Buyer terminates under this Paragraph 7B or if Seller defaults under this contract.

If no dollar amount is stated in this Paragraph 7B(2) as additional earnest money or as additional independent consideration, or if Buyer fails to timely deliver the additional earnest money, the extension of the feasibility period will not be effective.

C. Inspections, Studies, or Assessments:

(1) During the feasibility period, Buyer, at Buyer's expense, may complete or cause to be completed any and all inspections, studies, or assessments of the Property (including all improvements and fixtures) desired by Buyer.

(2) Seller, at Seller's expense, will turn on all utilities necessary for Buyer to make inspections, studies, or assessments.

(3) Buyer must:
(a) employ only trained and qualified inspectors and assessors;
(b) notify Seller, in advance, of when the inspectors or assessors will be on the Property;
(c) abide by any reasonable entry rules or requirements of Seller;
(d) not interfere with existing operations or occupants of the Property; and
(e) restore the Property to its original condition if altered due to inspections, studies, or assessments that Buyer completes or causes to be completed.

(4) Except for those matters that arise from the negligence of Seller or Seller's agents, Buyer is responsible for any claim, liability, encumbrance, cause of action, and expense resulting from Buyer's inspections, studies, or assessments, including any property damage or personal injury. Buyer will indemnify, hold harmless, and defend Seller and Seller's agents against any claim involving a matter for which Buyer is responsible under this paragraph. This paragraph survives termination of this contract.

D. Property Information:

(1) Delivery of Property Information: Within 7 days after the effective date, Seller will deliver to Buyer the following to the extent in Seller's possession: *(Check all that apply.)*

[X] (a) a current rent roll of all leases affecting the Property certified by Seller as true and correct;
[X] (b) copies of all current leases, including any mineral leases, pertaining to the Property, including any modifications, supplements, or amendments to the leases;
[ ] (c) a current inventory of all personal property to be conveyed under this contract and copies of any leases for such personal property;
[ ] (d) copies of all notes and deeds of trust against the Property that Buyer will assume or that Seller will not pay in full on or before closing;
[X] (e) copies of all current service, utility, maintenance, and management agreements relating to the ownership and operation of the Property;
[ ] (f) copies of current utility capacity letters from the Property's water and sewer service provider;
[X] (g) copies of all current warranties and guaranties relating to all or part of the Property;
[ ] (h) copies of fire, hazard, liability, and other insurance policies that currently relate to the Property;
[X] (i) copies of all leasing or commission agreements that currently relate to the tenants of all or part of the Property;
[ ] (j) a copy of the "as-built" plans and specifications and plat of the Property;
[ ] (k) copies of all invoices for utilities and repairs incurred by Seller for the Property in the 24 months immediately preceding the effective date;
[ ] (l) a copy of Seller's income and expense statement for the Property from _____ to _____;
[X] (m) copies of all previous environmental assessments, geotechnical reports, studies, or analyses made on or relating to the Property;

☐ (n) real and personal property tax statements for the Property for the previous 2 calendar years;
☐ (o) Tenant reconciliation statements including, operating expenses, insurance and taxes for the Property from _____ to _____; and
☐ (p) _____

(2) Return of Property Information: If this contract terminates for any reason, Buyer will, not later than 10 days after the termination date: *(Check all that apply.)*
☒ (a) return to Seller all those items described in Paragraph 7D(1) that Seller delivered to Buyer in other than an electronic format and all copies that Buyer made of those items;
☒ (b) delete or destroy all electronic versions of those items described in Paragraph 7D(1) that Seller delivered to Buyer or Buyer copied in any format; and
☐ (c) deliver to Seller copies of all inspection and assessment reports related to the Property that Buyer completed or caused to be completed.
This Paragraph 7D(2) survives termination of this contract.

E. Contracts Affecting Operations: Until closing, Seller: (1) will operate the Property in the same manner as on the effective date under reasonably prudent business standards; and (2) will not transfer or dispose of any part of the Property, any interest or right in the Property, or any of the personal property or other items described in Paragraph 2B or sold under this contract. After the feasibility period ends, Seller may not enter into, amend, or terminate any other contract that affects the operations of the Property without Buyer's written approval.

8. LEASES:

A. Each written lease Seller is to assign to Buyer under this contract must be in full force and effect according to its terms. Seller may not enter into any new lease, fail to comply with any existing lease, or make any amendment or modification to any existing lease without Buyer's written consent. Seller must disclose, in writing, if any of the following exist at the time Seller provides the leases to the Buyer or subsequently occur before closing:
(1) any failure by Seller to comply with Seller's obligations under the leases;
(2) any circumstances under any lease that entitle the tenant to terminate the lease or seek any offsets or damages;
(3) any non-occupancy of the leased premises by a tenant;
(4) any advance sums paid by a tenant under any lease;
(5) any concessions, bonuses, free rents, rebates, brokerage commissions, or other matters that affect any lease; and
(6) any amounts payable under the leases that have been assigned or encumbered, except as security for loan(s) assumed or taken subject to under this contract.

B. Estoppel Certificates: Within 30 days after the effective date, Seller will deliver to Buyer estoppel certificates signed not earlier than June 15, 2025 by each tenant that leases space in the Property. The estoppel certificates must include the certifications contained in the current version of TXR Form 1938 - Commercial Tenant Estoppel Certificate and any additional information requested by a third party lender providing financing under Paragraph 4 if the third party lender requests such additional information at least 10 days prior to the earliest date that Seller may deliver the signed estoppel certificates.

9. BROKERS:

A. The brokers to this sale are:

Principal Broker: Compass	Cooperating Broker: Century 21 Stribling Properties
Agent: Wendy Morales	Agent: Scott Stribling
Address: 2500 Bee Caves Road Building 3, Suite 200 Austin, TX 78746	Address: 801 S Main St Georgetown, TX 78626
Phone & Fax: (512)739-0929	Phone & Fax: (512)630-7535
E-mail: wendy.morales@compass.com	E-mail: scottstribling@gmail.com
License No.:	License No.: 0449203

Principal Broker: *(Check only one box)*
- [X] represents Seller only.
- [ ] represents Buyer only.
- [ ] is an intermediary between Seller and Buyer.

Cooperating Broker represents Buyer.

B. Fees: *(Check only (1) or (2) below.)*
(Complete the Agreement Between Brokers on page 15 only if (1) is selected.)

[ ] (1) Seller will pay Principal Broker the fee specified by separate written commission agreement between Principal Broker and Seller. Principal Broker will pay Cooperating Broker the fee specified in the Agreement Between Brokers found below the parties' signatures to this contract.

[X] (2) At the closing of this sale, Seller will pay:

Principal Broker a total cash fee of:
- [ ] _____ % of the sales price.
- [ ] _____.

Cooperating Broker a total cash fee of:
- [X] 3.000 % of the sales price.
- [ ] _____.

The cash fees will be paid in Williamson County, Texas. Seller authorizes the title company to pay the brokers from the Seller's proceeds at closing.

NOTICE: Chapter 62, Texas Property Code, authorizes a broker to secure an earned commission with a lien against the Property.

C. The parties may not amend this Paragraph 9 without the written consent of the brokers affected by the amendment.

10. CLOSING:

A. The date of the closing of the sale (closing date) will be on or before the later of:
(1) [X] 15 days after the expiration of the feasibility period.
[ ] _____ *(specific date)*.
[ ] _____.
(2) 7 days after objections made under Paragraph 6D have been cured or waived.

B. If either party fails to close by the closing date, the non-defaulting party may exercise the remedies in Paragraph 15.

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C. At closing, Seller will execute and deliver to Buyer, at Seller's expense, a ☐ general ☒ special warranty deed. The deed must include a vendor's lien if any part of the sales price is financed. The deed must convey good and indefeasible title to the Property and show no exceptions other than those permitted under Paragraph 6 or other provisions of this contract. Seller must convey the Property:
(1) with no liens, assessments, or Uniform Commercial Code or other security interests against the Property which will not be satisfied out of the sales price, unless securing loans Buyer assumes;
(2) without any assumed loans in default; and
(3) with no persons in possession of any part of the Property as lessees, tenants at sufferance, or trespassers except tenants under the written leases assigned to Buyer under this contract.

D. At closing, Seller, at Seller's expense, will also deliver to Buyer:
(1) tax statements showing no delinquent taxes on the Property;
(2) a bill of sale with warranties to title conveying title, free and clear of all liens, to any personal property defined as part of the Property in Paragraph 2 or sold under this contract;
(3) an assignment of all leases to or on the Property;
(4) to the extent that the following items are assignable, an assignment to Buyer of the following items as they relate to the Property or its operations:
(a) licenses and permits;
(b) service, utility, maintenance, management, and other contracts; and
(c) warranties and guaranties;
(5) a rent roll current on the day of the closing certified by Seller as true and correct;
(6) evidence that the person executing this contract is legally capable and authorized to bind Seller;
(7) an affidavit acceptable to the title company stating that Seller is not a foreign person or, if Seller is a foreign person, a written authorization for the title company to: (i) withhold from Seller's proceeds an amount sufficient to comply with applicable tax law; and (ii) deliver the amount to the Internal Revenue Service together with appropriate tax forms; and
(8) any notices, statements, certificates, affidavits, releases, and other documents required by this contract, the commitment, or law necessary for the closing of the sale and the issuance of the title policy, all of which must be completed and executed by Seller as necessary.

E. At closing, Buyer will:
(1) pay the sales price in good funds acceptable to the title company;
(2) deliver evidence that the person executing this contract is legally capable and authorized to bind Buyer;
(3) sign and send to each tenant in the Property a written statement that:
(a) acknowledges Buyer has received and is responsible for the tenant's security deposit; and
(b) specifies the exact dollar amount of the security deposit;
(4) sign an assumption of all leases then in effect; and
(5) execute and deliver any notices, statements, certificates, or other documents required by this contract or law necessary to close the sale.

F. Unless the parties agree otherwise, the closing documents will be as found in the basic forms in the current edition of the State Bar of Texas Real Estate Forms Manual without any additional clauses.

11. POSSESSION: Seller will deliver possession of the Property to Buyer upon closing and funding of this sale in its present condition with any repairs Seller is obligated to complete under this contract, ordinary wear and tear excepted. Any possession by Buyer before closing or by Seller after closing that is not authorized by a separate written lease agreement is a landlord-tenant at sufferance relationship between the parties.

12. SPECIAL PROVISIONS: The following special provisions apply and will control in the event of a conflict with other provisions of this contract. *(If special provisions are contained in an Addendum, identify the Addendum here and reference the Addendum in Paragraph 22D.)*

~~None~~ LISTING AGENT FOR 600 FOREST IS ALSO OWNER.

13. SALES EXPENSES:

A. Seller's Expenses: Seller will pay for the following at or before closing:
(1) releases of existing liens, other than those liens assumed by Buyer, including prepayment penalties and recording fees;
(2) release of Seller's loan liability, if applicable;
(3) tax statements or certificates;
(4) preparation of the deed and any bill of sale;
(5) one-half of any escrow fee;
(6) costs to record any documents to cure title objections that Seller must cure; and
(7) other expenses that Seller will pay under other provisions of this contract.

B. Buyer's Expenses: Buyer will pay for the following at or before closing:
(1) all loan expenses and fees;
(2) preparation fees of any deed of trust;
(3) recording fees for the deed and any deed of trust;
(4) premiums for flood and hazard insurance as may be required by Buyer's lender;
(5) one-half of any escrow fee; and
(6) other expenses that Buyer will pay under other provisions of this contract.

14. PRORATIONS:

A. Prorations:

(1) Interest on any assumed loan, taxes, rents, and any expense reimbursements from tenants will be prorated through the closing date.
(2) If the amount of ad valorem taxes for the year in which the sale closes is not available on the closing date, taxes will be prorated on the basis of taxes assessed in the previous year. If the taxes for the year in which the sale closes vary from the amount prorated at closing, the parties will adjust the prorations when the tax statements for the year in which the sale closes become available. This Paragraph 14A(2) survives closing.
(3) If Buyer assumes a loan or is taking the Property subject to an existing lien, Seller will transfer all reserve deposits held by the lender for the payment of taxes, insurance premiums, and other charges to Buyer at closing and Buyer will reimburse such amounts to Seller by an appropriate adjustment at closing.

B. Rollback Taxes: If Seller's use or change in use of the Property before closing results in the assessment of additional taxes, penalties, or interest (assessments) for periods before closing, the assessments will be the obligation of Seller. If this sale or Buyer's use of the Property after closing results in additional assessments for periods before closing, the assessments will be the obligation of Buyer. This Paragraph 14B survives closing.

C. Rent and Security Deposits: At closing, Seller will tender to Buyer all security deposits and the following advance payments received by Seller for periods after closing: prepaid expenses, advance rental payments, and other advance payments paid by tenants. Rents prorated to one party but received by the other party will be remitted by the recipient to the party to whom it was prorated within 5 days after the rent is received. This Paragraph 14C survives closing.

15. DEFAULT:

A. If Buyer fails to comply with this contract, Buyer is in default and Seller, as Seller's sole remedy(ies), may terminate this contract and receive the earnest money, as liquidated damages for Buyer's failure except for any damages resulting from Buyer's inspections, studies or assessments in accordance with Paragraph 7C(4) which Seller may pursue, or
(Check if applicable)
☐ enforce specific performance, or seek such other relief as may be provided by law.

B. If, without fault, Seller is unable within the time allowed to deliver the estoppel certificates, survey or the commitment, Buyer may:
(1) terminate this contract and receive the earnest money, less any independent consideration under Paragraph 7B(1), as liquidated damages and as Buyer's sole remedy; or
(2) extend the time for performance up to 15 days and the closing will be extended as necessary.

C. Except as provided in Paragraph 15B, if Seller fails to comply with this contract, Seller is in default and Buyer may:
(1) terminate this contract and receive the earnest money, less any independent consideration under Paragraph 7B(1), as liquidated damages and as Buyer's sole remedy; or
(2) enforce specific performance, or seek such other relief as may be provided by law, or both.

16. CASUALTY LOSS AND CONDEMNATION:

A. If any part of the Property is damaged or destroyed by fire or other casualty after the effective date, Seller must restore the Property to its previous condition as soon as reasonably possible and not later than the closing date. If, without fault, Seller is unable to do so, Buyer may:
(1) terminate this contract and the earnest money, less any independent consideration under Paragraph 7B(1), will be refunded to Buyer;
(2) extend the time for performance up to 15 days and closing will be extended as necessary; or
(3) accept at closing: (i) the Property in its damaged condition; (ii) an assignment of any insurance proceeds Seller is entitled to receive along with the insurer's consent to the assignment; and (iii) a credit to the sales price in the amount of any unpaid deductible under the policy for the loss.

B. If before closing, condemnation proceedings are commenced against any part of the Property, Buyer may:
(1) terminate this contract by providing written notice to Seller within 15 days after Buyer is advised of the condemnation proceedings and the earnest money, less any independent consideration under Paragraph 7B(1), will be refunded to Buyer; or
(2) appear and defend the condemnation proceedings and any award will, at Buyer's election, belong to: (a) Seller and the sales price will be reduced by the same amount; or (b) Buyer and the sales price will not be reduced.

17. ATTORNEY'S FEES: If Buyer, Seller, any broker, or the title company is a prevailing party in any legal proceeding brought under or with relation to this contract or this transaction, such party is entitled to recover from the non-prevailing parties all costs of such proceeding and reasonable attorney's fees. This Paragraph 17 survives termination of this contract.

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18. ESCROW:

A. At closing, the earnest money will be applied first to any cash down payment, then to Buyer's closing costs, and any excess will be refunded to Buyer. If no closing occurs, the title company may require payment of unpaid expenses incurred on behalf of the parties and a written release of liability of the title company from all parties.

B. If one party makes written demand for the earnest money, the title company will give notice of the demand by providing to the other party a copy of the demand. If the title company does not receive written objection to the demand from the other party within 15 days after the date the title company sent the demand to the other party, the title company may disburse the earnest money to the party making demand, reduced by the amount of unpaid expenses incurred on behalf of the party receiving the earnest money and the title company may pay the same to the creditors.

C. The title company will deduct any independent consideration under Paragraph 7B(1) before disbursing any earnest money to Buyer and will pay the independent consideration to Seller.

D. If the title company complies with this Paragraph 18, each party hereby releases the title company from all claims related to the disbursal of the earnest money.

E. Notices under this Paragraph 18 must be sent by certified mail, return receipt requested. Notices to the title company are effective upon receipt by the title company.

F. Any party who wrongfully fails or refuses to sign a release acceptable to the title company within 7 days after receipt of the request will be liable to the other party for: (i) damages; (ii) the earnest money; (iii) reasonable attorney's fees; and (iv) all costs of suit.

G. ☐ Seller ☐ Buyer intend(s) to complete this transaction as a part of an exchange of like-kind properties in accordance with Section 1031 of the Internal Revenue Code, as amended. All expenses in connection with the contemplated exchange will be paid by the exchanging party. The other party will not incur any expense or liability with respect to the exchange. The parties agree to cooperate fully and in good faith to arrange and consummate the exchange so as to comply to the maximum extent feasible with the provisions of Section 1031 of the Internal Revenue Code. The other provisions of this contract will not be affected in the event the contemplated exchange fails to occur.

19. MATERIAL FACTS: To the best of Seller's knowledge and belief: *(Check only one box.)*

☐ A. Seller is not aware of any material defects to the Property except as stated in the attached Commercial Property Condition Statement (TXR-1408).

☐ B. Except as otherwise provided in this contract, Seller is not aware of:
(1) any subsurface: structures, pits, waste, springs, or improvements;
(2) any pending or threatened litigation, condemnation, or assessment affecting the Property;
(3) any environmental hazards or conditions that materially affect the Property;
(4) whether the Property is or has been used for the storage or disposal of hazardous materials or toxic waste, a dump site or landfill, or any underground tanks or containers;
(5) whether radon, asbestos containing materials, urea-formaldehyde foam insulation, lead-based paint, toxic mold (to the extent that it adversely affects the health of ordinary occupants), or other pollutants or contaminants of any nature now exist or ever existed on the Property;
(6) any wetlands, as defined by federal or state law or regulation, on the Property;
(7) any threatened or endangered species or their habitat on the Property;
(8) any present or past infestation of wood-destroying insects in the Property's improvements;
(9) any contemplated material changes to the Property or surrounding area that would materially and detrimentally affect the ordinary use of the Property;

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(10) any material physical defects in the improvements on the Property; or
(11) any condition on the Property that violates any law or ordinance.

(Describe any exceptions to (1)-(11) in Paragraph 12 or an addendum.)

20. NOTICES: All notices between the parties under this contract must be in writing and are effective when hand-delivered, mailed by certified mail return receipt requested, sent by a national or regional overnight delivery service that provides a delivery receipt, or sent by confirmed facsimile transmission to the parties addresses or facsimile numbers stated in Paragraph 1. The parties will send copies of any notices to the broker representing the party to whom the notices are sent.

☐ A. Seller also consents to receive any notices by e-mail at Seller's e-mail address stated in Paragraph 1.
☒ B. Buyer also consents to receive any notices by e-mail at Buyer's e-mail address stated in Paragraph 1.

21. DISPUTE RESOLUTION: The parties agree to negotiate in good faith in an effort to resolve any dispute related to this contract that may arise. If the dispute cannot be resolved by negotiation, the parties will submit the dispute to mediation before resorting to arbitration or litigation and will equally share the costs of a mutually acceptable mediator. This paragraph survives termination of this contract. This paragraph does not preclude a party from seeking equitable relief from a court of competent jurisdiction.

22. AGREEMENT OF THE PARTIES:

A. This contract is binding on the parties, their heirs, executors, representatives, successors, and permitted assigns. This contract is to be construed in accordance with the laws of the State of Texas. If any term or condition of this contract shall be held to be invalid or unenforceable, the remainder of this contract shall not be affected thereby. All individuals signing represent that they have the authority to sign on behalf of and bind the party for whom they are signing.

B. This contract contains the entire agreement of the parties and may not be changed except in writing.

C. If this contract is executed in a number of identical counterparts, each counterpart is an original and all counterparts, collectively, constitute one agreement.

D. Addenda which are part of this contract are: *(Check all that apply.)*
☐ (1) Property Description Exhibit identified in Paragraph 2;
☐ (2) Commercial Contract Condominium Addendum (TXR-1930) or (TXR-1946);
☐ (3) Commercial Contract Financing Addendum (TXR-1931);
☐ (4) Commercial Property Condition Statement (TXR-1408);
☐ (5) Commercial Contract Addendum for Special Provisions (TXR-1940);
☒ (6) Addendum for Seller's Disclosure of Information on Lead-Based Paint and Lead-Based Paint Hazards (TXR-1906);
☐ (7) Notice to Purchaser of Real Property in a Water District (MUD);
☐ (8) Addendum for Coastal Area Property (TXR-1915);
☐ (9) Addendum for Property Located Seaward of the Gulf Intracoastal Waterway (TXR-1916);
☒ (10) Information About Brokerage Services (TXR-2501);
☐ (11) Information About Mineral Clauses in Contract Forms (TXR-2509);
☐ (12) Notice of Obligation to Pay Improvement District Assessment (TXR-1955, PID);
☐ (13) _____

(Note: Counsel for Texas REALTORS® has determined that any of the foregoing addenda which are promulgated by the Texas Real Estate Commission (TREC) or published by Texas REALTORS® are appropriate for use with this form.)

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E. Buyer [X] may [ ] may not assign this contract. If Buyer assigns this contract, Buyer will be relieved of any future liability under this contract only if the assignee assumes, in writing, all of Buyer's obligations under this contract.

23. TIME: Time is of the essence in this contract. The parties require strict compliance with the times for performance. If the last day to perform under a provision of this contract falls on a Saturday, Sunday, or Federal Reserve Bank holiday, the time for performance is extended until the end of the next day which is not a Saturday, Sunday, or Federal Reserve Bank holiday.

24. EFFECTIVE DATE: The effective date of this contract for the purpose of performance of all obligations is the date the title company receipts this contract after all parties execute this contract.

25. ADDITIONAL NOTICES:

A. Buyer should have an abstract covering the Property examined by an attorney of Buyer's selection, or Buyer should be furnished with or obtain a title policy.

B. If the Property is situated in a utility or other statutorily created district providing water, sewer, drainage, or flood control facilities and services, Chapter 49, Texas Water Code, requires Seller to deliver and Buyer to sign the statutory notice relating to the tax rate, bonded indebtedness, or standby fees of the district before final execution of this contract.

C. Notice Required by §13.257, Water Code: "The real property, described below, that you are about to purchase may be located in a certificated water or sewer service area, which is authorized by law to provide water or sewer service to the properties in the certificated area. If your property is located in a certificated area there may be special costs or charges that you will be required to pay before you can receive water or sewer service. There may be a period required to construct lines or other facilities necessary to provide water or sewer service to your property. You are advised to determine if the property is in a certificated area and contact the utility service provider to determine the cost that you will be required to pay and the period, if any, that is required to provide water or sewer service to your property. The undersigned purchaser hereby acknowledges receipt of the foregoing notice at or before the execution of a binding contract for the purchase of the real property described in the notice or at closing of purchase of the real property." The real property is described in Paragraph 2 of this contract.

D. If the Property adjoins or shares a common boundary with the tidally influenced submerged lands of the state, §33.135, Texas Natural Resources Code, requires a notice regarding coastal area property to be included as part of this contract *(the Addendum for Coastal Area Property (TXR-1915) may be used).*

E. If the Property is located seaward of the Gulf Intracoastal Waterway, §61.025, Texas Natural Resources Code, requires a notice regarding the seaward location of the Property to be included as part of this contract *(the Addendum for Property Located Seaward of the Gulf Intracoastal Waterway (TXR-1916) may be used).*

F. If the Property is located outside the limits of a municipality, the Property may now or later be included in the extra-territorial jurisdiction (ETJ) of a municipality and may now or later be subject to annexation by the municipality. Each municipality maintains a map that depicts its boundaries and ETJ. To determine if the Property is located within a municipality's ETJ, Buyer should contact all municipalities located in the general proximity of the Property for further information.

G. If apartments or other residential units are on the Property and the units were built before 1978, federal law requires a lead-based paint and hazard disclosure statement to be made part of this contract *(the Addendum for Seller's Disclosure of Information on Lead-Based Paint and Lead-Based Paint Hazards (TXR-1906) may be used).*

H. Section 1958.154, Occupations Code requires Seller to provide Buyer a copy of any mold remediation certificate issued for the Property during the 5 years preceding the date the Seller sells the Property.

I. Brokers are not qualified to perform property inspections, surveys, engineering studies, environmental assessments, or inspections to determine compliance with zoning, governmental regulations, or laws. Buyer should seek experts to perform such services. Buyer should review local building codes, ordinances and other applicable laws to determine their effect on the Property. Selection of experts, inspectors, and repairmen is the responsibility of Buyer and not the brokers. Brokers are not qualified to determine the credit worthiness of the parties. NOTICE OF WATER LEVEL FLUCTUATIONS: If the Property adjoins an impoundment of water, including a reservoir or lake, constructed and maintained under Chapter 11, Water Code, that has a storage capacity of at least 5,000 acre-feet at the impoundment's normal operating level, Seller hereby notifies Buyer: "The water level of the impoundment of water adjoining the Property fluctuates for various reasons, including as a result of: (1) an entity lawfully exercising its right to use the water stored in the impoundment; or (2) drought or flood conditions."

J. PUBLIC IMPROVEMENT DISTRICTS: If the Property is in a public improvement district, Seller is required by §5.014, Property Code to give Buyer a written notice concerning the obligation to pay assessments. The form of the required notice is available as a part of the Notice of Obligation to Pay Improvement District Assessment (TXR-1955).

K. LICENSE HOLDER DISCLOSURE: Texas law requires a real estate license holder who is a party to a transaction or acting on behalf of a spouse, parent, child, business entity in which the license holder owns more than 10%, or a trust for which the license holder acts as a trustee or of which the license holder or the license holder's spouse, parent or child is a beneficiary, to notify the other party in writing before entering into a contract of sale. Disclose if applicable: _____

26. CONTRACT AS OFFER: The execution of this contract by the first party constitutes an offer to buy or sell the Property. Unless the other party accepts the offer by 5:00 p.m., in the time zone in which the Property is located, on May 22, 2025, the offer will lapse and become null and void.

READ THIS CONTRACT CAREFULLY. The brokers and agents make no representation or recommendation as to the legal sufficiency, legal effect, or tax consequences of this document or transaction. CONSULT your attorney BEFORE signing.

Seller: Novert A Morales	Buyer: Scott Stribling, or Assigns
Wendy Morales	
By:	By: DocuSigned by: Scott Stribling
By (signature): Signed by: NOVERT MORALES	By (signature): 2040130D622F426...
Printed Name: NOVERT MORALES	Printed Name: Scott Stribling
Title:	Title:
By:	By:
By (signature): Signed by: WENDY MORALES	By (signature):
Printed Name: WENDY MORALES	Printed Name:
Title:	Title:

Commercial Contract - Improved Property concerning 600 Forest, Georgetown, TX 78626

AGREEMENT BETWEEN BROKERS

(use only if Paragraph 9B(1) is effective)

Principal Broker agrees to pay _____ (Cooperating Broker) a fee when the Principal Broker's fee is received. The fee to be paid to Cooperating Broker will be:

- ☐ $ _____, or
- ☐ _____ % of the sales price, or
- ☐ _____ % of the Principal Broker's fee.

The title company is authorized and directed to pay Cooperating Broker from Principal Broker's fee at closing. This Agreement Between Brokers supersedes any prior offers and agreements for compensation between brokers.

Principal Broker: _____ Cooperating Broker: _____

By: _____ By: _____

ATTORNEYS

Seller's attorney: _____ Buyer's attorney: _____

Address: _____ Address: _____

Phone & Fax: _____ Phone & Fax: _____

E-mail: _____ E-mail: _____

Seller's attorney requests copies of documents, notices, and other information:

- ☐ the title company sends to Seller.
- ☐ Buyer sends to Seller.

Buyer's attorney requests copies of documents, notices, and other information:

- ☐ the title company sends to Buyer.
- ☐ Seller sends to Buyer.

ESCROW RECEIPT

The title company acknowledges receipt of:

- ☒ A. the contract on this day 6/4/2025 (effective date);
- ☒ B. earnest money in the amount of $ 10,000.00 in the form of Check on 6/4/2025.

Title company: Corridor Title-Georgetown Address: 200 W. 6th Street, Suite 300 Georgetown, TX 78626

By: Rachel Moore Phone & Fax: 737-738-5078

Assigned file number (GF#): 25-2093-C E-mail: rachel.moore@corridortitle.com

Century 21 Hellmann Stribling, 801 S Main St Georgetown TX 78626 Phone: 5128630021 Fax: 512.863.8228 600 Forest
Scott Stribling Produced with Lone Wolf Transactions (zipForm Edition) 717 N Harwood St, Suite 2200, Dallas, TX 75201 www.lwolf.com

Commissioners Court - Regular Session **37.**

Meeting Date: 06/10/2025

Approval of Addendum #2 to Contract 22RFP122 ePCR for Williamson County Emergency Medical Services

Submitted For: Joy Simonton **Submitted By:** Cheryl Johnson, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take action to approve Addendum #2 to Contract RFP #22RFP122 ePCR with a zero-cost purchase order to connect ESO and Pulsara software. This will allow communication between ESO Solutions, Inc., and CommuniCare Technology, Inc. (Pulsara) for Williamson County Emergency Medical Services.

Background

This Addendum #2 is for Contract #22RFP122vePCR2 for the EMS Electronic Patient Care Reporting (ePCR), originally approved on September 27, 2022 (Agenda Item #17), and set to expire on September 26, 2028. Zero-cost purchase order to integrate ESO Solutions, Inc., and CommuniCare Technology, Inc. (Pulsara). This will allow the two systems to communicate and improve EMS operations in Williamson County. This addendum adds no additional cost to the County. Contact: Jessica Toothman, EMS.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Addendum #2

Original Agreement

1295 document

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 03:17 PM
County Judge Exec Asst.	Delia Colon	06/04/2025 04:29 PM
Form Started By: Cheryl Johnson		Started On: 06/04/2025 08:40 AM
Final Approval Date: 06/04/2025		

THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

COUNTY ADDENDUM #2
REGARDING RFP #22RFP122
(Electronic Patient Care Reporting "eRCR)

The contract and agreement entered into by and between ESO Solutions, Inc. and Williamson County, Texas, on or about September 29, 2022, is hereby amended to enable software communication between ESO Solutions, Inc. and CommuniCare Technology, Inc. dba Pulsara on behalf of Williamson County's Emergency Management Systems as defined in **Exhibit "A"** attached hereto.

This amendment will have a $-0- change.

This amendment will not extend the expiration date of the contract.

In all other respects, the Contract is reaffirmed.

The undersigned parties bind themselves to the faithful performance of this contract. It is mutually understood that this Addendum #2 shall not become effective until signed by both parties below.

WILLIAMSON COUNTY:

_____
Authorized Signature

_____
Printed Name

Date: _____, 20___

ESO Solutions, Inc.:

_____
Authorized Signature

Robert Munden, Chief Legal & Compliance Officer
Printed Name

Date: June 3, 2025

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: Jun 04 2025 Time: 11:21 am

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: Jun 04 2025 Time: 12:10 pm

Exhibit "A"

Quote Date:	07/09/2024
Customer Name:	Williamson County EMS
Quote #:	Q-168531
Quote Expiration date:	02/28/2025
ESO Account Manager:	Travis Winzeler

CUSTOMER CONTACT

Customer	Williamson County EMS
Name	Danny Johns
Email	djohns@wilco.org
Phone	(512) 943-1973

BILLING CONTACT

Payor	Williamson County EMS	Address	PO Box 873
Name	Theresia Carter		Georgetown TX, 78627
Email	theresiacarter@wilco.org	Billing Frequency	Annual
Phone	512-943-1283	Initial Term	12 months

EHR

Product	Volume	Price	Discount	Total	Fee Type
3rd Party Pre-Hospital Integration	36516 Incidents	$995.00	($995.00)	$0.00	Recurring

Total Recurring Fees	$	0.00
Total One-Time Fees	$	0.00
TOTAL FEES	$	0.00

Quote Date:	07/09/2024
Customer Name:	Williamson County EMS
Quote #:	Q-168531
Quote Expiration date:	02/28/2025
ESO Account Manager:	Travis Winzeler

TERMS AND CONDITIONS:

1. If the Customer indicated above has an existing master agreement with ESO (Agreement) dated on or after January 1, 2018, then that Agreement will govern this Quote. **Otherwise, Customer intends and agrees that this Quote adopts and incorporates the terms and conditions of the ESA and associated HIPAA business associate agreement hosted at the following web address, and that the products and services ordered above are subject thereto:**

https://www.eso.com/legal-terms/

2. The Effective Date of this Quote shall be the final date of signature.

3. Customer is responsible for the payment of all Fees shown. ESO will accept Fee payment from a payor (if indicated above) if ESO has an appropriate agreement with the Payor.

4. ESO reserves the right to not accept any Quote signed after the Quote Expiration Date.

Williamson County EMS

Signature: _____

Print Name: _____

Title: _____

Date: _____

The subscription term shall begin **calendar days** after the Effective Date (Subscription Start Date). All Fees are invoiced on or about the Effective Date. After the Initial Term, Recurring Fees are due on the anniversary of the Subscription Start Date.

Quote Date:	07/09/2024
Customer Name:	Williamson County EMS
Quote #:	Q-168531
Quote Expiration date:	02/28/2025
ESO Account Manager:	Travis Winzeler

EHR

Product	Description
3rd Party Pre-Hospital Integration	EHR offers a 3rd Party Pre-Hospital Integration to reduce duplicate data entry for providers by allowing patient care record data to be started in a 3rd party pre-hospital system and then pushed into EHR.

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THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

COUNTY ADDENDUM
REGARDING RFP #22RFP122

(Electronic Patient Care Reporting "ePCR")

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that such procurement is subject to the extent authorized by Texas law, including but not limited to Tex. Const. art. XI, § 7, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, and the Texas Health & Safety Code.

THIS AGREEMENT is made and entered into by and between **Williamson County, Texas** (hereinafter "Customer" or "The County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **ESO Solutions, Inc.** (hereinafter "ESO" or "Company"), a Texas corporation with its principal place of business at 11500 Alterra Parkway, Suite 100, Austin, Texas. Customer agrees to engage Company as an independent contractor, to assist in providing certain operational goods/services pursuant to the following terms, conditions, and restrictions:

I.

Incorporated Documents: This Agreement constitutes the entire Agreement between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated (as if copied in full) into this Agreement include the following:

A. This Williamson County Addendum;
B. Company's Master Subscription & License Agreement;
C. Company's Best & Final Offer ("BAFO");
D. Company's Cost Proposal;
E. Company's Response to Solicitation #22RFP122 for Electronic Patient Care Reporting "ePCR" service(s); and
F. Williamson County Solicitation #22RFP122 for Electronic Patient Care Reporting "ePCR" service(s).

To the extent other terms and conditions attached hereto conflict with the terms and conditions stated herein, the parties agree that conflicts among the documents comprising this Agreement shall be resolved according to priority, and that a document's priority shall be determined according to the order in which the document appears in the list above in the

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Section I entitled "Incorporated Documents".

II.

Required Provisions:

i. No Waiver of Sovereign Immunity or Powers: Nothing in this agreement will be deemed to constitute a waiver of sovereign immunity or powers of Customer, the Williamson County Commissioners Court, or the Williamson County Judge.

ii. Texas Law Applicable to Indemnification: Subject to applicable Texas law, all indemnifications or limitations of liability or statutes of limitations shall be to the extent authorized under Texas law and shall follow Texas law without modifying the Customer's rights.

iii. Termination for Convenience: This agreement may be terminated at any time at the option of either party, without future or prospective liability for performance upon giving thirty (30) days written notice thereof. Customer acknowledges and agrees that they are not entitled to a refund of any prepaid fees should they terminate without cause.

iv. Texas Prompt Payment Act Compliance: Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date Customer receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by Customer in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Customer's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

v. Mediation: The parties agree to use mediation for dispute resolution prior to and formal legal action being taken on this Contract.

vi. Venue and Governing Law: Venue of this contract shall be Williamson County, Texas, and the law of the State of Texas shall govern.

vii. Right to Audit: Company agrees that Customer or its duly authorized representatives shall, until the expiration of three (3) years after final

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payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Company which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Company agrees that Customer shall have access during normal working hours to all necessary Company facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. Customer shall give Company reasonable advance notice of intended audits. Notwithstanding anything to the contrary in the Agreement, Customer shall not be granted the right to i) audit, access, or view or potentially audit, access, or view the Protected Health Information of ESO's other customers, or ii) obtain and/or retain any detailed security information ("Sensitive Data") which ESO determines, at its sole discretion, may endanger the security of the software and/or services ESO provides. In the event Customer determines it is necessary to audit or review Sensitive Data, ESO may satisfy Customer's requirements by making said Sensitive Data available to Customer in a form which allows Customer to satisfactorily review said Sensitive Data without retaining any copies of the Sensitive Data (by way of example, an on-site review or secure online presentation).

In all other respects, the Agreement remains the same and is reaffirmed.

WITNESS the signatures of all parties in duplicate originals to be effective as of the date of the last party's execution below.

WILLIAMSON COUNTY:

Bill Gravell (Sep 29, 2022 08:07 CDT)

Authorized Signature

Date: Sep 29, 2022, 2022

ESO SOLUTIONS, INC.:

DocuSigned by:

1AABB808ED27401...

Authorized Signature

Date: 9/16/2022, 2022

DocuSign Envelope ID: F3C8A6C5-89D5-458D-9AD6-4D0C82036BC9

MASTER SUBSCRIPTION AND LICENSE AGREEMENT

This Master Subscription and License Agreement (this "***Agreement***") is entered into as of _____ ("***Effective Date***"), by and between ESO Solutions, Inc., a Texas corporation having its principal place of business at 11500 Alterra Parkway, Suite 100 Austin, TX 78758, including its controlled subsidiaries, (collectively, "***ESO***") and **Williamson County EMS** having its principal place of business at 3189 SE Inner Loop Ste A, Georgetown, TX 78626 ("***Customer***"). This Agreement consists of the General Terms & Conditions below and any Addenda (as defined below) executed by the parties, including any attachments to such Addenda.

The parties have agreed that ESO will provide Customer certain technology products and/or services and that Customer will pay ESO certain fees. Therefore, in consideration of the covenants, agreements and promises set forth below, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, hereby agree as follows.

GENERAL TERMS AND CONDITIONS

1. **DEFINITIONS.** Capitalized terms not otherwise defined in this Agreement have the meanings below:

"***Add-On Software***" means any complementary software components or reporting service(s) that ESO makes available to customer through its Software.

"***Addendum***" means a document addressing the order of a specific set of products or services which is executed by authorized representatives of each party. An Addendum may be (a) an ESO sales form or "Quote", (b) a Statement of Work, or (c) another writing the parties intend to be incorporated by reference into this Agreement.

"***Anonymized Data***" means Customer Data from which all personally identifiable information is removed, as well as the names and addresses of Customer and any of its Users and/or Customer's clients (and which, as a consequence, is neither PHI nor identifiable to or by Customer).

"***Customer Data***" means information, data and other content in electronic form that is submitted, posted, or otherwise transmitted by or on behalf of Customer through the Software.

"***Deliverable***" means software, report, or other work product created pursuant to a Statement of Work.

"***Documentation***" means the Software's user guides and operating manuals.

"***Feedback***" refers to any suggestion or idea for improving or otherwise modifying ESO's products or services.

"***Intellectual Property***" means trade secrets, copyrightable subject matter, patents and patent applications, and other proprietary information, activities, and any ideas, concepts, innovations, inventions and designs.

"***Licensed Software***" means the executable, object code version of software that ESO provides to Customer for its use and installation on Customer's own equipment. For the avoidance of doubt, Licensed Software does not include Add-on Software or SaaS.

"***New Version***" means any new version of Licensed Software (excluding SaaS Software) that ESO may from time to time introduce and market generally as a distinct licensed product, as may be indicated by ESO's designation of a new version number, brand or product.

"***Outage***" means Customer is unable to access SaaS, or such access is materially delayed, impaired or disrupted, in each case as caused or controlled by ESO.

"***Professional Services***" means professional services provided by ESO under a Statement of Work.

"***Protected Health Information***" or "***PHI***" has the meaning set forth in HIPAA. All references herein to PHI shall be construed to include electronic PHI, or ePHI, as that term is defined by HIPAA.

"***Reporting Services***" means, collectively, the different tools or features in the Software allowing Customer to generate compilations of data, including but not limited to ad-hoc reports, analytics, benchmarking or any other reporting tool provided through the Software.

"***SaaS***" means software-as-a-service that ESO hosts (directly or indirectly) for Customer's use on a periodic subscription basis. For the avoidance of doubt, SaaS does not include Licensed Software.

"***Scheduled Downtime***" means periods when ESO intentionally interrupts SaaS to perform system maintenance or otherwise correct service errors during non-peak hours (except for critical circumstances), typically between midnight and 6 a.m. Central Time on a fortnightly basis.

"***Software***" means any ESO computer program, programming or modules specified in the Agreement or any Addendum. For the avoidance of doubt, Add-on Software, SaaS, and Licensed Software are collectively referred to as Software.

"***Support Services***" means those services described in Exhibit B.

"***Third-Party Data***" means data not owned by ESO but which is (or access to which is) provided by ESO under a Software Schedule.

"***Third-Party Service***" means a service not provided by ESO but which is made available by ESO in connection with its Software under a Software Schedule or Addendum.

"***Third-Party Software***" means software not owned by ESO but which is (or access to which is) provided by ESO under a Software Schedule or Addendum.

"***Use Restrictions***" means the restrictions imposed on Customer's use of Software as described in Section 3.3.

"***User***" means any individual who uses the Software on Customer's behalf or through Customer's account or passwords.

2. **SOFTWARE ORDERS.** During the Term, Customer may order Software from ESO by signing an appropriate Addendum. Customer's license to Licensed Software and its subscription to SaaS are set forth below. Each such Addendum is incorporated herein by reference.

3. **LICENSE/SUBSCRIPTION TO SOFTWARE**

3.1. Grant of Subscription: SaaS. For SaaS, during the Term Customer may access and use the SaaS and Reporting Services, with the access and volume limitations set forth on the applicable Addendum, subject to Customer's compliance with the Use Restrictions and other limitations contained in this Agreement.

3.2. Grant of License: Licensed Software. For Licensed Software, during the Term ESO hereby grants Customer a limited, non-exclusive, non-transferable, non-assignable, non-sublicensable, revocable license to copy and use the Licensed Software, in such quantities as are set forth on the applicable Addendum and as necessary for Customer's internal business purposes, in each case subject to Customer's compliance with the Use Restrictions and other limitations and obligations contained in this Agreement.

3.3. Use Restrictions. Except as provided in this Agreement or as otherwise authorized by ESO, Customer has no right to, and shall not: (a) decompile, reverse engineer, disassemble, print, copy or display the Software or otherwise reduce the Software to a human-perceivable form in whole or in part; (b) publish, release, rent, lease, loan, sell, distribute or transfer the Software to another person or entity; (c) reproduce the Software for the use or benefit of anyone other than Customer; (d) alter, modify or create derivative works based upon the Software either in whole or in part; or (e) use or permit the use of the Software for commercial time-sharing arrangements or providing service bureau, data processing, rental, or other services to any third party (including any affiliate not specifically listed in the applicable Addendum).

3.4. Ownership. The rights granted under the provisions of this Agreement do not constitute a sale of the Software. ESO retains all right, title, and interest in and to the Software, including without limitation all software used to provide the Software and all graphics, user interfaces, logos and trademarks reproduced through the Software, except to the limited extent set forth in this Agreement. This Agreement does not grant Customer any intellectual property rights in the Software or any of its components, except to the limited extent that this Agreement specifically sets forth Customer's rights to access, use, or copy the Software during the Term. Customer acknowledges that the Software and its components are protected by copyright and other laws.

3.5. Third-Party Software and Services. This Section 3.5 applies to Third-Party Software and Services offered by ESO. Refer to the product table following the Agreement for applicability.

3.5.1. ESO neither accepts liability for, nor warrants the functionality, utility, availability, reliability or accuracy of, Third-Party Software or Third-Party Services. The Third-Party Software "EMS1 Academy" and/or "FireRescue1 Academy" and/or "EMS1 & FireRescue1 Academy – Implementation and Configuration" and/or "Learning Management System" and/or "EVALS Implementation" (collectively, "***Education***") is offered by ESO in collaboration with Lexipol, f/k/a The Praetorian Group. If Customer subscribes to Education, Customer acknowledges and agrees to the terms and conditions of the Praetorian license agreement, located at http://www.praetoriandigital.com/LMS-Master-Service-Agreement, which shall supersede this Agreement as it applies to Customer's use of Education and any Customer Data stored therein.

3.5.2. Third-Party Data. If Customer (as indicated on an Addendum) elects to license Third-Party Data (*e.g.*, fire codes), then subject to the terms hereof, ESO hereby grants Customer a non-exclusive, non-sublicensable, and non-transferable license during the Term to use such Third-Party Data via the Software solely for Customer's internal purposes. Customer will not (i) allow greater access than that set forth in the applicable Addendum, (ii) disclose, release, distribute, or deliver Third-Party Data, or any portion thereof, to any third party (iii) copy, modify, or create derivative works of Third-Party Data, (iv) rent, lease, lend, sell, sublicense, assign, distribute, publish, transfer, or otherwise make available Third-Party Data, (v) attempt to output in any form more than 10% of the Third-Party Data or otherwise circumvent the usage limitations included in the Software, (vi) remove any proprietary notices included within Third-Party Data or Software, or (vii) use Third-Party Data in any manner or for any purpose that infringes or otherwise violates any proprietary right of a person, or that violates applicable law. ESO does not warrant the functionality, reliability, accuracy, completeness or utility of, Third-Party Data, or accept any liability therefor. Additional terms and limitations applicable to Third-Party Data may be provided on the applicable Addendum.

4. HOSTING, SLA & SUPPORT SERVICES

4.1. Hosting & Management. Customer shall be responsible for hosting and managing any Licensed Software on systems meeting the requirements specified by ESO. ESO shall be responsible for hosting and managing any SaaS.

4.2. Service Level Agreement. If an Outage, excluding Scheduled Downtime (as defined below), results in the service level uptime falling below 99% for any three-month period (the "***Uptime Commitment***"), then Customer may immediately terminate this Agreement, in which case ESO will refund any prepaid, unearned Fees to Customer. This is Customer's sole remedy for ESO's breach of the Uptime Commitment.

4.3. Scheduled Downtime. ESO will endeavor to provide reasonable (72 hour) notice of Scheduled Downtime to Customer's Users. Notice of Scheduled Downtime may be provided from within the Software or via email. Scheduled Downtime shall never constitute a failure of performance or Outage by ESO. Notification timelines and the frequency of Scheduled Downtime are subject to the emergence of security concerns outside of ESO's control.

4.4. Support and Updates. During the Term, ESO shall provide to Customer the Support Services, in accordance with Exhibit B, which is incorporated herein by reference.

5. FEES

5.1. Fees. In consideration of the rights granted hereunder, Customer agrees to pay ESO the fees for the Software and Professional Services as set forth in the Addendum(s)) (collectively, "***Fees***"). The Fees are non-cancelable and non-refundable, except as expressly provided herein. Customer (or Third-Party Payer, if applicable) shall pay all invoices within 30 days of receipt.

5.2. Third-Party Payer. If Customer desires to use a third-party to pay some or all of the Fees on behalf of Customer (a "***Third-Party Payer***"), then (i) each applicable Addendum will identify such arrangement, (ii) the Third-Party Payer will enter into a written agreement with ESO regarding such arrangement, (iii) Customer may replace the Third-Party Payer by written notice to ESO (provided that no such change shall be made until the then-current Term's renewal), (iv) references within this Section 5 to Customer's responsibility for Fees shall be understood to refer to the Third-Party Payer when applicable, and (v) Customer shall remain responsible for payment if the Third-Party Payer does not pay the Fees.

5.3. Uplift on Renewal. Fees for Software, which recur annually, shall increase by 3% each year this Agreement is in effect.

5.4. Taxes and Fees. The Fees are exclusive of all taxes and credit card processing fees, if applicable. Unless and until Customer provides ESO a tax exemption certificate, Customer will be responsible for and will remit (or will promptly reimburse ESO for) all taxes of any kind, including sales, use, duty, customs, withholding, property, value-added, and other similar federal, state or local taxes (other than taxes based on ESO's income) related to this Agreement.

5.5. Appropriation of Funds. If Customer is a city, county or other government entity, Customer may terminate the Agreement at the end of the Customer's fiscal term if Customer provides evidence that its governing body did not appropriate sufficient funds for the next fiscal year. Notwithstanding the foregoing, this provision shall not excuse Customer from past payment obligations or other Fees earned and unpaid.

5.6. Usage Monitoring. Customer is solely responsible for its own adherence to volume and use limitations indicated on the applicable Addendum. ESO may monitor Customer's use of the Software, and if Customer's usage exceeds the level indicated in the applicable Addendum (an "***Overage***"), Customer shall owe ESO the Fee corresponding to such usage level at a rate no higher than ESO's then-standard pricing for new customers at an equivalent usage level. ESO may invoice for Overages immediately.

6. TERM AND TERMINATION

6.1. Term. The term of this Agreement (the "***Term***") commences on the Effective Date and continues for a period of one year (or any longer period provided in an Addendum). Thereafter, the Term will renew for successive one-year periods unless written notice is provided at least 60 days prior to the anniversary of the Effective Date.

6.2. Termination for Cause. Either party may terminate this Agreement or any individual Addendum for the other party's uncured material breach by providing written notice. The breaching party shall have 30 days from receipt to cure such breach to the reasonable satisfaction of the non-breaching party.

6.3. Effect of Termination.

6.3.1. If Customer terminates this Agreement or any Addendum as a result of ESO's material breach, then to the extent Customer prepaid any Fees, ESO shall refund to Customer those prepaid Fees on a pro-rata basis from the date Customer actually ceases use of the Software.

6.3.2. Upon termination of this Agreement or any Addendum, Customer shall cease all use of the Software and delete, destroy or return all

copies of the Documentation and Licensed Software in its possession or control, except as required by law. Customer shall remain obligated to pay appropriate Fees at ESO's then-current rates if Customer continues to use or access Software after the termination or expiration of this Agreement. If Customer's Agreement includes a multi-year discount plan with diminishing discounts, and Customer terminates the Agreement prior to the completion of the discount plan, Customer shall promptly pay ESO's invoice recouping such discounts for a maximum of two years prior to the date of termination.

6.3.3. Termination of this Agreement is without prejudice to any other right or remedy and shall not release a party from any liability.

6.4. Delivery of Data. ESO will provide Customer its Customer Data in a searchable .pdf format upon request made within 60 days of the expiration or termination of this Agreement. Customer acknowledges that ESO has no obligation to retain Customer Data more than 60 days after expiration or termination of this Agreement.

7. **REPRESENTATIONS AND WARRANTIES**

7.1. Material Performance of Software. After it is fully implemented (and subject to Customer's adherence to Sections 3.3, 4.1 and 13.4), ESO warrants that the Software will reliably collect, transmit, store and/or permit access to data in compliance with applicable law and industry standards.

7.2. Due Authority. Each party's execution, delivery and performance of this Agreement and each agreement or instrument contemplated by this Agreement is duly authorized by all necessary corporate or government action.

7.3. Customer Cooperation. Customer agrees to use current operating systems and reasonably and timely cooperate with ESO, including providing ESO reasonable access to its equipment, software and data as necessary for the implementation and operation of the Software.

8. **DISCLAIMER OF WARRANTIES**. EXCEPT AS OTHERWISE PROVIDED IN SECTION 7, ESO DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, SUITABILITY, TITLE, NON-INFRINGEMENT, OR ANY IMPLIED WARRANTY ARISING FROM STATUTE, COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE. EXCEPT AS EXPRESSLY PROVIDED IN SECTION 7, CUSTOMER ACCEPTS THE SOFTWARE "AS-IS" AND "AS AVAILABLE."

9. **CONFIDENTIALITY**

9.1. ***"Confidential Information"*** refers to the following items: (a) any document marked "Confidential"; (b) any information orally designated as "Confidential" at the time of disclosure, provided the disclosing party confirms such designation in writing within five business days; (c) the Software and Documentation, whether or not designated confidential; (d) ESO's security controls, policies, procedures, audits, or other information concerning ESO's internal security posture; (e) any other nonpublic, sensitive information reasonably treated as trade secret or otherwise confidential; and (f) Customer Data which does not comprise PHI . Notwithstanding the foregoing, Confidential Information does not include information that: (i) is in the other party's possession at the time of disclosure free of duty of non-disclosure; (ii) is independently developed without use of or reference to Confidential Information; (iii) becomes known publicly, before or after disclosure, other than as a result of the receiving party's improper action or inaction; (iv) is approved for release in writing by the disclosing party; (v) as to ESO, Customer's Feedback; or (vi) is PHI (*which shall be governed by the Business Associate Agreement rather than this Section*).

9.2. Nondisclosure. Each party shall use Confidential Information of the other party solely to fulfill the terms of this Agreement (the ***"Purpose"***). Each party shall (a) ensure that its employees or contractors are bound by confidentiality obligations no less restrictive than those contained herein, and (b) not disclose Confidential Information to any other third party without prior written consent from the disclosing party. Without limiting the generality of the foregoing, the receiving party shall protect Confidential Information with the same degree of care it uses to protect its own confidential information of similar nature and importance, but with no less than reasonable care. A receiving party shall promptly notify the disclosing party of any misuse or misappropriation of Confidential Information of which it is aware.

9.3. Termination & Return. With respect to each item of Confidential Information, the obligations of nondisclosure will terminate three years after the date of disclosure; provided that, such obligations related to Confidential Information constituting ESO's trade secrets shall continue so long as such information remains subject to trade secret protection pursuant to applicable law. Upon termination of this Agreement, a party shall return all copies of Confidential Information to the other or certify the destruction thereof.

9.4. Retention of Rights. This Agreement does not transfer ownership of Confidential Information or grant a license thereto.

9.5. Open Records and Other Laws. Notwithstanding anything in this Section to the contrary, the parties expressly acknowledge that Confidential Information may be disclosed if such Confidential Information is required to be disclosed by law, a lawful public records request, or judicial order, provided that prior to such disclosure, written notice of such required disclosure shall be given promptly and without unreasonable delay by the receiving party in order to give the disclosing party the opportunity to object to the disclosure and/or to seek a protective order. The receiving party shall reasonably cooperate in this effort. In addition, Customer may disclose the contents of this Agreement solely for the purpose of completing its review and approval processes under its local rules, if applicable.

10. **INSURANCE.** Throughout the Term (and for a period of at least three years thereafter for any insurance written on a claims-made form) ESO shall maintain in effect the insurance coverage described below:

10.1. Commercial general liability insurance with a minimum of $1 million per occurrence and $1 million aggregate;

10.2. Commercial automobile liability insurance covering use of all non-owned and hired automobiles with a minimum limit of $1 million for bodily injury and property damage liability;

10.3. Worker's compensation insurance and employer's liability insurance or any alternative plan or coverage as permitted or required by applicable law, with a minimum employer's liability limit of $1 million each accident or disease; and

10.4. Computer processor/computer professional liability insurance (a/k/a technology errors and omissions) covering the liability for financial loss due to error, omission or negligence of ESO, and privacy and network security insurance ("cyber coverage") covering losses arising from a disclosure of confidential information (including PHI) with a combined aggregate amount of $1 million.

11. **INDEMNIFICATION**

11.1. IP Infringement. Subject to the limitations in Section 12, ESO shall defend and indemnify Customer from any damages, costs, liabilities, expenses (including reasonable attorney's fees) (***"Damages"***) actually incurred or finally adjudicated as to any third-party claim or action alleging that the Software delivered pursuant to this Agreement infringe or misappropriate any third party's patent, copyright, trade secret, or other intellectual property rights enforceable in the applicable jurisdiction (each, an ***"Indemnified Claim"***). If Customer makes an Indemnified Claim under this Section or if ESO determines that an Indemnified Claim may occur, ESO shall at its option: (a) obtain a right for Customer to continue using such Software; (b) modify such Software to make it a non-infringing equivalent or (c) replace such Software with a non-infringing equivalent. If (a), (b), or (c) above are not reasonably practicable, either party may, at its option, terminate the relevant Addendum, in which case ESO will refund any pre-paid Fees on a pro-rata basis for such Addendum. Notwithstanding the foregoing, ESO shall have no obligation hereunder for any claim resulting or arising from (x) Customer's breach of this Agreement; (y) modifications made to the Software not performed or provided by or

on behalf of ESO or (z) the combination, operation or use by Customer (and/or anyone acting on Customer's behalf) of the Software in connection with any other product or service (the combination or joint use of which causes the alleged infringement). This Section 11 states ESO's sole obligation and liability, and Customer's sole remedy, for potential or actual intellectual property infringement by the Software.

11.2. Indemnification Procedures. Upon becoming aware of any matter which is subject to the provisions of Sections 11.1 (a "Claim"), Customer must give prompt written notice of such Claim to ESO, accompanied by copies of any written documentation regarding the Claim received by the Customer. ESO shall compromise or defend, at its own expense and with its own counsel, any such Claim. Customer will have the right, at its option, to participate in the settlement or defense of any such Claim, with its own counsel and at its own expense; provided, however, that ESO will have the right to control such settlement or defense. ESO will not enter into any settlement that imposes any liability or obligation on Customer without the Customer's prior written consent. The parties will cooperate in any such settlement or defense and give each other full access to all relevant information, at ESO's expense.

12. LIMITATION OF LIABILITY

12.1. **LIMITATION OF DAMAGES**. NEITHER ESO NOR CUSTOMER SHALL BE LIABLE TO THE OTHER FOR ANY CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES, INCLUDING CLAIMS FOR DAMAGES FOR LOST PROFITS, GOODWILL, USE OF MONEY, INTERRUPTED OR IMPAIRED USE OF THE SOFTWARE, AVAILABILITY OF DATA, STOPPAGE OF WORK OR IMPAIRMENT OF OTHER ASSETS RELATING TO THIS AGREEMENT.

12.2. **SPECIFIC LIABILITY**. LIABILITY SHALL BE LIMITED AS FOLLOWS:

(a) ESO'S OBLIGATIONS UNDER SECTION 11 SHALL BE LIMITED TO $500,000.

(b) DAMAGES ARISING FROM A PARTY'S BREACH OF CONFIDENTIALITY OBLIGATIONS (INCLUDING A BREACH OF OBLIGATIONS REGARDING PROTECTED HEALTH INFORMATION), SHALL BE LIMITED TO $1,000,000.

(c) DAMAGES ARISING FROM A PARTY'S WILLFUL MISCONDUCT OR CRIMINAL CONDUCT SHALL NOT BE LIMITED.

12.3. **GENERAL LIABILITY**. EXCEPT AS EXPRESSLY PROVIDED "SPECIFIC LIABILITY," ESO'S MAXIMUM AGGREGATE LIABILITY FOR ALL CLAIMS OF LIABILITY ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT SHALL NOT EXCEED THE FEES PAID BY (OR ON BEHALF OF) CUSTOMER WITHIN THE PRECEDING 12-MONTH PERIOD UNDER THE APPLICABLE ADDENDUM OR EXHIBIT GIVING RISE TO THE CLAIM.

12.4. THE FOREGOING LIMITATIONS, EXCLUSIONS, DISCLAIMERS SHALL APPLY REGARDLESS OF WHETHER THE CLAIM FOR SUCH DAMAGES IS BASED IN CONTRACT, WARRANTY, STRICT LIABILITY, NEGLIGENCE, TORT OR OTHERWISE. INSOFAR AS APPLICABLE LAW PROHIBITS ANY LIMITATION HEREIN, THE PARTIES AGREE THAT SUCH LIMITATION SHALL BE AUTOMATICALLY MODIFIED, BUT ONLY TO THE EXTENT SO AS TO MAKE THE LIMITATION PERMITTED TO THE FULLEST EXTENT POSSIBLE UNDER SUCH LAW. THE PARTIES AGREE THAT THE LIMITATIONS SET FORTH HEREIN ARE AGREED ALLOCATIONS OF RISK CONSTITUTING IN PART THE CONSIDERATION FOR ESO'S SOFTWARE AND SERVICES TO CUSTOMER, AND SUCH LIMITATIONS WILL APPLY NOTWITHSTANDING THE FAILURE OF THE ESSENTIAL PURPOSES OF ANY LIMITED REMEDY AND EVEN IF A PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LIABILITIES.

12.5. THIS SECTION 12 SHALL SURVIVE EXPIRATION OR TERMINATION OF THE AGREEMENT.

13. CUSTOMER DATA & PRIVACY

13.1. Ownership of Data. As between ESO and Customer, all Customer Data shall be owned by Customer.

13.2. Use of Customer Data. Unless it receives Customer's prior written consent, ESO shall not grant any third-party access to Customer Data, except (a) subcontractors that are subject to a reasonable nondisclosure agreement or (b) authorized participants in the case of Software designed to permit Customer to transmit Customer Data. ESO may only use and disclose Customer Data to fulfill its obligations under this Agreement or as required by applicable law or legal or governmental authority. ESO shall give Customer prompt notice of any such legal or governmental demand and reasonably cooperate with Customer in any effort to seek a protective order or otherwise contest such required disclosure, at Customer's expense.

13.3. Anonymized Data. CUSTOMER ACKNOWLEDGES AND AGREES THAT, NOTWITHSTANDING ANY OTHER PROVISION HEREIN, ESO MAY USE ANONYMIZED DATA FOR INTERNAL AND EXTERNAL PURPOSES (INCLUDING BENCHMARKING AND RESEARCH), PROVIDED THAT ESO WILL NOT SELL ANONYMIZED DATA TO THIRD PARTIES FOR COMMERCIAL USE. Without limiting the foregoing, ESO will own all right, title and interest in all Intellectual Property of any aggregated and de-identified reports, summaries, compilations, analysis, statistics or other information derived therefrom.

13.4. Internet Access. Customer is solely responsible for obtaining, maintaining, and securing its network connections, and acknowledges such connections are essential to the effective operation of the Software. ESO makes no representations to Customer regarding the reliability, performance or security of any network or service provider not provided or managed by ESO.

14. WORK PRODUCT

14.1. Work Product Ownership. In the event Customer hires ESO to perform Professional Services, ESO alone shall hold all right, title, and interest to all proprietary and intellectual property rights of the Deliverables (including, without limitation, patents, trade secrets, copyrights, and trademarks), as well as title to any copy of software made by or for Customer (if applicable). Customer hereby explicitly acknowledges and agrees that nothing in this Agreement or a separate Addendum gives the Customer any right, title, or interest to the intellectual property or proprietary know-how of the Deliverables.

15. GOVERNMENT PROVISIONS

15.1. Compliance with Laws. Both parties shall comply with and give all notices required by all applicable federal, state and local laws, ordinances, rules, regulations and lawful orders of any public authority bearing on use of the Software and the performance of this Agreement.

15.2. Business Associate Addendum. The parties agree to the terms of the Business Associate Addendum attached as Exhibit B and incorporated herein by reference.

15.3. Equal Opportunity. The parties shall abide by the requirements of 41 CFR 60-1.4(a), 60-300.5(a) and 60-741.5(a), and the posting requirements of 29 CFR Part 471, appendix A to subpart A, if applicable (prohibiting discrimination on the basis of protected veteran status, disability, race, color, religion, sex, sexual orientation, gender identity or national origin).

15.4. Excluded Parties List. ESO agrees to report to Customer if an employee or contractor is listed by a federal agency as debarred, excluded or otherwise ineligible for participation in federally funded health care programs.

16. PHI ACCURACY & COMPLETENESS

16.1. Customer Responsibilities. The Software allows Customer and its Users to enter, document, and disclose Customer Data, and as such, ESO gives no representations or guarantees about the accuracy or completeness of Customer Data (including PHI) entered, uploaded or disclosed through the Software. Customer is solely responsible for any decisions or actions taken involving patient care or patient care management, whether those decisions or actions were made or taken using information received through the Software.

16.2. HDE Customer Certifications. In the interest of furthering community health through the power of data, ESO encourages Customers subscribing to ESO's Health Data Exchange ("HDE") Software to empower joint healthcare providers by incorporating relevant, HIPAA-compliant data elements in Customer's outgoing patient care records delivered through HDE. ESO shall annually accredit qualifying customers with Gold, Silver, or Bronze level certifications in accordance with Exhibit C, and Customer may reference such certification in marketing materials.

17. MISCELLANEOUS

17.1. Independent Contractors. The parties are independent contractors. Neither party is the agent of the other, and neither may make commitments on the other's behalf. The parties agree that no ESO employee or contractor is or will be considered an employee of Customer.

17.2. Notices. Notices provided under this Agreement must be in writing and delivered by (a) certified mail, return receipt requested to a party's principal place of business as forth in the recitals on page 1 of this Agreement, (b) hand delivered, (c) facsimile with receipt of a "Transmission Confirmed" acknowledgment, (d) e-mail to a person designated in writing by the receiving party, or (e) delivery by a reputable overnight carrier service. In the case of delivery by facsimile or e-mail, the notice must be followed by a copy of the notice being delivered by a means provided in (a), (b) or (e). The notice will be deemed given on the day the notice is received.

17.3. Merger Clause. In entering into this Agreement, neither party is relying upon any representations or statements of the other that are not fully expressed in this Agreement; rather, each party is relying on its own judgment and due diligence and expressly disclaims reliance upon any representations or statement not expressly set forth in this Agreement. In the event the Customer issues a purchase order, letter or any other document addressing the Software or Services to be provided and performed pursuant to this Agreement, it is hereby specifically agreed and understood that any such writing is for the Customer's internal purposes only, and that any terms, provisions, and conditions contained therein shall in no way modify this Agreement.

17.4. Severability. To the extent permitted by applicable law, the parties hereby waive any provision of law that would render any clause of this Agreement invalid or otherwise unenforceable in any respect. If a provision of this Agreement is held to be invalid or otherwise unenforceable, such provision will be interpreted to fulfill its intended purpose to the maximum extent permitted by applicable law, and the remaining provisions of this Agreement will continue in full force and effect.

17.5. Subcontracting. Except for training and implementation services related to the Software, neither party may subcontract or delegate its obligations to each other hereunder, nor may it contract with third parties to perform any of its obligations hereunder except as contemplated in this Agreement, without the other party's prior written consent.

17.6. Modifications and Amendments. This Agreement may not be amended except through a written agreement signed by authorized representatives of each party, provided that the Customer agrees that ESO may rely on informal writings (including emails) of Customer's authorized representatives to (i) terminate Software products and services and (ii) approve or ratify rate or tier increases for Software products and services then in use by Customer.

17.7. Force Majeure. No delay, failure, or default will constitute a breach of this Agreement to the extent caused by acts of war, terrorism, hurricanes, earthquakes, other acts of God or of nature, strikes or other labor disputes, riots or other acts of civil disorder, embargoes, or other causes beyond the performing party's reasonable control (collectively, "Force Majeure"). In such event, however, the delayed party must promptly provide the other party notice of the Force Majeure. The delayed party's time for performance will be excused for the duration of the Force Majeure, but if the event last longer than 30 days, the other party may immediately terminate the applicable Addendum.

17.8. Marketing. If requested by ESO, Customer agrees to reasonably cooperate with ESO's preparation and issuance of a public announcement regarding the relationship of the parties.

17.9. Waiver & Breach. Neither party will be deemed to waive any rights under this Agreement except through an explicit written waiver made by an authorized representative. No waiver of a breach of this Agreement will constitute a waiver of any other breach hereof.

17.10. Survival of Terms. Unless otherwise stated, all of ESO's and Customer's respective obligations, representations and warranties under this Agreement which are not, by the expressed terms of this Agreement, fully to be performed while this Agreement is in effect shall survive the termination of this Agreement.

17.11. Ambiguous Terms. This Agreement will not be construed against any party by reason of its preparation.

17.12. Governing Law. This Agreement, any claim dispute or controversy hereunder (a ***"Dispute"***) will be governed by (i) the laws of the State of Texas, or (ii) if Customer is a city, county, municipality or other governmental entity, the law of state where Customer is located, in each case foregoing without regard to its conflicts of law. The UN Convention for the International Sale of Goods and the Uniform Computer Information Transactions Act will not apply. In any Dispute, each party will bear its own attorneys' fees and costs and expressly waives any statutory right to attorneys' fees.

17.13. New Versions & Sunset. If ESO releases a New Version of Licensed Software (*i.e.*, not SaaS), Customer may elect to receive such New Version, subject to a relicense fee of 75% of the standard price for such new version. All New Versions provided under this Agreement will constitute Licensed Software and be subject to the terms and conditions of this Agreement. ESO may discontinue Support Services for Licensed Software upon 12 months' notice to Customer.

17.14. No Class Actions. NEITHER PARTY SHALL BE ENTITLED TO JOIN OR CONSOLIDATE CLAIMS BY OR AGAINST OTHER ESO CUSTOMERS, OR PURSUE ANY CLAIM AS A REPRESENTATIVE OR CLASS ACTION OR IN A PRIVATE ATTORNEY GENERAL CAPACITY.

17.15. Dispute Resolution. Customer and ESO will attempt to resolve any Dispute through negotiation or by utilizing a mediator agreed to by the parties, rather than through litigation. Negotiations and mediations will be treated as confidential. If the parties are unable to reach a resolution within 30 days of notice of the Dispute to the other party, the parties may pursue all other courses of action available at law or in equity.

17.16. Technology Export. Customer shall not: (a) permit any third party to access or use the Software in violation of any U.S. law or regulation; or (b) export any software provided by ESO or otherwise remove it from the United States except in compliance with all applicable U.S. laws and regulations. Without limiting the generality of the foregoing, Customer shall not permit any third party to access or use the Software in, or export such software to, a country subject to a United States embargo (as of the Effective Date - Cuba, Iran, North Korea, Sudan, and Syria).

17.17. Order of Precedence. In the event of any conflict between this Agreement, Addenda or other attachments incorporated herein, the following order of precedence will govern: (1) the General Terms and Conditions; (2) any Business Associate Agreement; (3) the applicable Addendum, with most recent Addendum taking precedence over earlier ones; and (4) any ESO policy posted online, including without limitation its privacy policy. No amendments incorporated into this Agreement after execution of the General Terms and Conditions will amend such General Terms and Conditions unless it specifically states its intent to do so and cites the section or sections amended.

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17.18. Counterparts. This Agreement may be executed in one or more counterparts. Each counterpart will be an original, and all such counterparts will constitute a single instrument.

17.19. Signatures. Electronic signatures on this Agreement or on any Addendum (or copies of signatures sent via electronic means) are the equivalent of handwritten signatures.

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IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

ESO Solutions, Inc.

DocuSigned by:

By: _____
1AA6B808ED27401...
(signature)

Name: Cortney Johnson
(print name)

Title: CFO
(print title)

Customer

By: Sep 29, 2022
(signature)

Name: Bill Gravell Jr.
Bill Gravell (Sep 29, 2022 08:07 CDT)
(print name)

Title: County Judge
(print title)

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EXHIBIT A-1

SAAS SOFTWARE SCHEDULE

(Applications - ESO EHR, ESO Fire, ESO PM, FIREHOUSE Cloud, IFC Codes, EMS1 Academy, FireRescue1 Academy, Staff Scheduling, Assets, Inventory, Checklist)

1. The SaaS subscription term shall begin 15 calendar days after the Effective Date (existing Renewal Date ("SaaS Subscription Start Date"). Customer shall be deemed to have accepted the SaaS on the SaaS Subscription Start Date. The parties will make reasonable efforts to ensure that Customer is able to use the SaaS as contemplated as quickly as possible, but in no event will the SaaS Subscription Start Date be modified for implementation delays.

2. The following SaaS may be ordered under this Exhibit:

   2.1. ESO Electronic Health Record ("EHR") is a SaaS software application for prehospital patient documentation (http://www.eso.com/software/ehr).

   2.2. ESO Personnel Management ("PM") is a SaaS software application for tracking personnel records, training courses and education history (http://www.eso.com/software/personnel-management).

   2.3. ESO Fire is a SaaS software application for NFIRS reporting (http://www.eso.com/software/fire).

3. The following Third-Party Data and/or Software may be ordered under this Exhibit: 2018 International Fire Code, 2015 International Fire Code, 2012 International Fire Code, Education (see section 3.5).

4. Customer hereby agrees to timely pay for the following products according to the schedule below:

Health Data Exchange

Product	Volume	Price	Discount	Total	Fee Type
HDE - ESO EHR Connection		$1,495.00	($0.00)	$1,495.00	Recurring

EHR

Product	Volume	Price	Discount	Total	Fee Type
ESO EHR	31000 Incidents	$50,990.00	($0.00)	$50,990.00	Recurring
EHR Cardiac Monitor Integration	31000 Incidents	$1,895.00	($0.00)	$1,895.00	Recurring
EHR CAD Integration	31000 Incidents	$3,995.00	($0.00)	$3,995.00	Recurring
EHR Billing Interface	31000 Incidents	$995.00	($0.00)	$995.00	Recurring
EHR - Handtevy Integration	31000 Incidents	$995.00	($995.00)	$0.00	Recurring
EHR CARES Extract	31000 Incidents	$995.00	($0.00)	$995.00	Recurring
EHR - EMS XML Export	31000 Incidents	$1,895.00	($0.00)	$1,895.00	Recurring

Personnel Management

Product	Volume	Price	Discount	Total	Fee Type
Personnel Management	145 Employees	$4,545.00	($0.00)	$4,545.00	Recurring

Total Recurring Fees	$	67,800.00
Total One-Time Fees	$	0.00
Discounts	$	(995.00)
TOTAL FEES	$	66,805.00

5. All the Fees above will be invoiced by ESO as follows:

   5.1. Training and Training Travel Fees shall be invoiced on the Effective Date.

   5.2. During the first year, 100% of the remaining Fees shall be invoiced on the SaaS Subscription Start Date.

   5.3. During the second year and any renewal years thereafter, 100% of the recurring Fees shall be due on the anniversary of the SaaS Subscription Start Date.

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EXHIBIT B
SUPPORT SERVICES ADDENDUM

1. **DEFINITIONS**. Capitalized terms not defined below shall have the same meaning as in the General Terms & Conditions.

1.1. "Enhancement" means a modification, addition or new release of the Software that when added to the Software, materially changes its utility, efficiency, functional capability or application.

1.2. "E-mail Support" means ability to make requests for technical support assistance by e-mail at any time concerning the use of the then-current release of Software.

1.3. "Error" means an error in the Software, which significantly degrades performance of such Software as compared to ESO's then-published Documentation.

1.4. "Error Correction" means the use of reasonable commercial efforts to correct Errors.

1.5. "Fix" means the repair or replacement of object code for the Software or Documentation to remedy an Error.

1.6. "Initial Response" means the first contact by a Support Representative after the incident has been logged and a ticket generated. This may include an automated email response depending on when the incident is first communicated.

1.7. "Management Escalation" means, if the initial Workaround or Fix does not resolve the Error, notification of management that such Error(s) have been reported and of steps being taken to correct such Error(s).

1.8. "Severity 1 Error" means an Error which renders the Software completely inoperative (*e.g.*, a User cannot access the Software due to unscheduled downtime or an Outage).

1.9. "Severity 2 Error" means an Error in which Software is still operable; however, one or more significant features or functionality are unavailable (*e.g.*, a User cannot access a core component of the Software).

1.1. "Severity 3 Error" means any other error that does not prevent a User from accessing a significant feature of the Software (*e.g.*, User is experiencing latency in reports).

1.2. "Severity 4 Error" means any error related to Documentation or a Customer Enhancement request.

1.3. "Status Update" means if the initial Workaround or Fix cannot resolve the Error, notification of the Customer regarding the progress of the Workaround or Fix.

1.4. "Online Support" means information available through ESO's website (www.eso.com), including frequently asked questions and bug reporting via Live Chat.

1.5. "Support Representative" shall be ESO employee(s) or agent(s) designated to receive Error notifications from Customer, which Customer's Administrator has been unable to resolve.

1.6. "Update" means an update or revision to Software, typically for Error Correction.

1.7. "Upgrade" means a new version or release of Software or a particular component of Software, which improves the functionality or which adds functional capabilities to the Software and is not included in an Update. Upgrades may include Enhancements.

1.8. "Workaround" means a change in the procedures followed or data supplied by Customer to avoid an Error without substantially impairing Customer's use of the Software.

2. **SUPPORT SERVICES.**

2.1. Customer will provide at least one administrative employee (the "Administrator" or "Administrators") who will handle all requests for first-level support from Customer's employees with respect to the Software. Such support is intended to be the "front line" for support and information about the Software to Customer's Users. ESO will provide training, documentation, and materials to the Administrator to enable the Administrator to provide technical support to Customer's Users. The Administrator will notify a Support Representative of any Errors that the Administrator cannot resolve and assist ESO in information gathering.

2.2. ESO will provide Support Services consisting of (a) Error Correction(s); Enhancements, Updates and Upgrades that ESO, in its discretion, makes generally available to its customers without additional charge; and (c) E-mail Support, telephone support, and Online Support. ESO may use multiple forms of communication for purposes of submitting periodic status reports to Customer, including but not limited to, messages in the Software,

messages appearing upon login to the Software or other means of broadcasting Status Update(s) to multiple customers affected by the same Error, such as a customer portal.

2.3. ESO's support desk will be staffed with competent technical consultants who are trained in and thoroughly familiar with the Software and with Customer's applicable configuration. Telephone support and all communications will be delivered in intelligible English.

2.4. Normal business hours for ESO's support desk are Monday through Friday 7:00 am to 7:00 pm CT. Customer will receive a call back from a Support Representative after-hours for a Severity 1 Error.

2.5. ESO will provide responses to a technology and/or security assessment of reasonable detail (a "Tech Assessment") upon request prior to (or in connection with) implementation. ESO will provide responses to any subsequent Tech Assessments provided that Customer compensates ESO at its then-current and standard consulting rates for all work performed in connection with such Tech Assessments.

3. **ERROR PRIORITY LEVELS.** Customer will report all Errors to ESO via e-mail (support@eso.com) or by telephone (866-766-9471, option #3). ESO shall exercise commercially reasonable efforts to correct any Error reported by Customer in accordance with the priority level reasonably assigned to such Error by ESO.

3.1. Severity 1 Error. ESO shall (i) commence Error Correction promptly; (ii) provide an Initial Response within four hours; (iii) initiate Management Escalation promptly; and (iv) provide Customer with a Status Update within four hours if ESO cannot resolve the Error within four hours.

3.2. Severity 2 Error. ESO shall (i) commence Error Correction promptly; (ii) provide an Initial Response within eight hours; (iii) initiate Management Escalation within 48 hours if unresolved; and (iv) provide Customer with a Status Update within forty-eight hours if ESO cannot resolve the Error within forty-eight hours.

3.3. Severity 3 Error. ESO shall (i) commence Error Correction promptly; (ii) provide an Initial Response within three business days; and (iii) provide Customer with a Status Update within seven calendar days if ESO cannot resolve the Error within seven calendar days.

3.4. Severity 4 Error. ESO shall (i) provide an Initial Response within seven calendar days.

4. **CONSULTING SERVICES**. If ESO reasonably believes that a problem reported by Customer is not due to an Error in the Software, ESO will so notify Customer. At that time, Customer may request ESO to proceed with a root cause analysis at Customer's expense as set forth herein or in a separate SOW. If ESO agrees to perform the investigation on behalf of Customer, then ESO's then-current and standard consulting rates will apply for all work performed in connection with such analysis, plus reasonable related expenses incurred. For the avoidance of doubt, Consulting Services will include customized report writing by ESO on behalf of Customer.

5. **EXCLUSIONS.**

5.1. ESO shall have no obligation to perform Error Corrections or otherwise provide support for: (i) Customer's repairs, maintenance or modifications to the Software (if permitted); (ii) Customer's misapplication or unauthorized use of the Software; (iii) altered or damaged Software not caused by ESO; (iv) any third-party software; (v) hardware issues; (vi) Customer's breach of the Agreement; and (vii) any other causes beyond the ESO's reasonable control.

5.2. ESO shall have no liability for any changes in Customer's hardware or software systems that may be necessary to use the Software due to a Workaround or Fix.

5.3. ESO is not required to perform any Error Correction unless ESO can replicate such Error on its own software and hardware or through remote access to Customer's software and hardware.

5.4. Customer is solely responsible for its selection of hardware, and ESO shall not be responsible the performance of such hardware even if ESO makes recommendations regarding the same.

6. **MISCELLANEOUS**. The parties acknowledge that from time-to-time ESO may update its support processes specifically addressed in this Exhibit and may do so by posting such updates to ESO's website or otherwise notifying Customer of such updates. Customer will accept updates to ESO's support procedures and any other terms in this Exhibit; provided however, that they do not materially decrease the level of Support Services that Customer will receive from ESO. THESE TERMS AND CONDITIONS DO NOT CONSTITUTE A PRODUCT WARRANTY. THIS EXHIBIT IS AN ADDITIONAL PART OF THE AGREEMENT AND DOES NOT CHANGE OR SUPERSEDE ANY TERM OF THE AGREEMENT EXCEPT TO THE EXTENT UNAMBIGUOUSLY CONTRARY THERETO.

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EXHIBIT C
HIPAA BUSINESS ASSOCIATE ADDENDUM

Customer and ESO Solutions, Inc. ("Business Associate") agree that this HIPAA Business Associate Addendum is entered into for the benefit of Customer, which is a covered entity under the Privacy Standards ("Covered Entity").

Pursuant to the Master Subscription and License Agreement (the "Agreement") into which this HIPAA Business Associate Addendum (this "Addendum") has been incorporated, Business Associate may perform functions or activities involving the use and/or disclosure of PHI on behalf of the Covered Entity, and therefore, Business Associate may function as a business associate. Business Associate, therefore, agrees to the following terms and conditions.

1. Scope. This Addendum applies to and is hereby automatically incorporated into all present and future agreements and relationships, whether written, oral or implied, between Covered Entity and Business Associate, pursuant to which PHI is created, maintained, received or transmitted by Business Associate from or on behalf of Covered Entity in any form or medium whatsoever.

2. Definitions. For purposes of this Addendum, the terms used herein, unless otherwise defined, shall have the same meanings as used in the Health Insurance Portability and Accountability Act of 1996 ("HIPAA"), or the Health Information Technology for Economic and Clinical Health Act ("HITECH"), and any amendments or implementing regulations, (collectively "HIPAA Rules").

3. Compliance with Applicable Law. The parties acknowledge and agree that, beginning with the relevant effective date, Business Associate shall comply with its obligations under this Addendum and with all obligations of a business associate under HIPAA, HITECH, the HIPAA Rules, and other applicable laws and regulations, as they exist at the time this Addendum is executed and as they are amended, for so long as this Addendum is in place.

4. Permissible Use and Disclosure of PHI. Business Associate may use and disclose PHI as necessary to carry out its duties to a Covered Entity pursuant to the terms of the Agreement and as required by law. Business Associate may also use and disclose PHI (i) for its own proper management and administration, and (ii) to carry out its legal responsibilities. If Business Associate discloses Protected Health Information to a third party for either above reason, prior to making any such disclosure, Business Associate must obtain: (i) reasonable assurances from the receiving party that such PHI will be held confidential and be disclosed only as required by law or for the purposes for which it was disclosed to such receiving party; and (ii) an agreement from such receiving party to immediately notify Business Associate of any known breaches of the confidentiality of the PHI.

5. Limitations on Use and Disclosure of PHI. Business Associate shall not, and shall ensure that its directors, officers, employees, subcontractors, and agents do not, use or disclose PHI in any manner that is not permitted by the Agreement or that would violate Subpart E of 45 C.F.R. 164 ("Privacy Rule") if done by a Covered Entity. All uses and disclosures of, and requests by, Business Associate for PHI are subject to the minimum necessary rule of the Privacy Rule.

6. Required Safeguards to Protect PHI. Business Associate shall use appropriate safeguards, and comply with Subpart C of 45 C.F.R. Part 164 ("Security Rule") with respect to electronic PHI, to prevent the use or disclosure of PHI other than pursuant to the terms and conditions of this Addendum.

7. Reporting to Covered Entity. Business Associate shall report to the affected Covered Entity without unreasonable delay: (a) any use or disclosure of PHI not provided for by the Agreement of which it becomes aware; (b) any breach of unsecured PHI in accordance with 45 C.F.R. Subpart D of 45 C.F.R. 164 ("Breach Notification Rule"); and (c) any security incident of which it becomes aware. With regard to Security Incidents caused by or occurring to Business Associate, Business Associate shall cooperate with the Covered Entity's investigation, analysis, notification and mitigation activities, and except for Security Incidents caused by Covered Entity, shall be responsible for reasonable costs incurred by the Covered Entity for those activities. Notwithstanding the foregoing, Covered Entity acknowledges and shall be deemed to have received advanced notice from Business Associate that there are routine occurrences of: (i) unsuccessful attempts to penetrate computer networks or services maintained by Business Associate; and (ii) immaterial incidents such as "pinging" or "denial of services" attacks.

8. Mitigation of Harmful Effects. Business Associate agrees to mitigate, to the extent practicable, any harmful effect of a use or disclosure of PHI by Business Associate in violation of the requirements of the Agreement, including, but not limited to, compliance with any state law or contractual data breach requirements.

9. Agreements by Third Parties. Business Associate shall enter into an agreement with any subcontractor of Business Associate that creates, receives, maintains or transmits PHI on behalf of Business Associate. Pursuant to such agreement, the subcontractor shall agree to be bound by the same or greater restrictions, conditions, and requirements that apply to Business Associate under this Addendum with respect to such PHI.

10. Access to PHI. Within five business days of a request by a Covered Entity for access to PHI about an individual contained in a Designated Record Set, Business Associate shall make available to the Covered Entity such PHI for so long as such information is maintained by Business Associate in the Designated Record Set, as required by 45 C.F.R. 164.524. In the event any individual delivers directly to Business Associate a request for access to PHI, Business Associate shall within five (5) business days forward such request to the Covered Entity.

11. Amendment of PHI. Within five business days of receipt of a request from a Covered Entity for the amendment of an individual's PHI or a record regarding an individual contained in a Designated Record Set (for so long as the PHI is maintained in the Designated Record Set), Business Associate shall provide such information to the Covered Entity for amendment and incorporate any such amendments in the PHI as required by 45 C.F.R. 164.526. In the event any individual delivers directly to Business Associate a request for amendment to PHI, Business Associate shall within five business days forward such request to the Covered Entity.

12. Documentation of Disclosures. Business Associate agrees to document disclosures of PHI and information related to such disclosures as would be required for a Covered Entity to respond to a request by an individual for an accounting of disclosures of PHI in accordance with 45 C.F.R. 164.528 and HITECH.

13. Accounting of Disclosures. Within five business days of notice by a Covered Entity to Business Associate that it has received a request for an accounting of disclosures of PHI, Business Associate shall make available to a Covered Entity information to permit the Covered Entity to respond to the request for an accounting of disclosures of PHI, as required by 45 C.F.R. 164.528 and HITECH.

14. Other Obligations. To the extent that Business Associate is to carry out one or more of a Covered Entity's obligations under the Privacy Rule, Business Associate shall comply with such requirements that apply to the Covered Entity in the performance of such obligations.

15. Judicial and Administrative Proceedings. In the event Business Associate receives a subpoena, court or administrative order or other discovery request or mandate for release of PHI, the affected Covered Entity shall have the right to control Business Associate's response to such request, provided that, such control does not have an adverse impact on Business Associate's compliance with existing laws. Business Associate shall notify the Covered Entity of the request as soon as reasonably practicable, but in any event within seven business days of receipt of such request.

16. Availability of Books and Records. Business Associate hereby agrees to make its internal practices, books, and records available to the Secretary of the Department of Health and Human Services for purposes of determining compliance with the HIPAA Rules.

17. Breach of Contract by Business Associate. In addition to any other rights a party may have in the Agreement, this Addendum or by operation of law or in equity, either party may: i) immediately terminate the Agreement if the other party has violated a material term of this Addendum; or ii) at the non-breaching party's option, permit the breaching party to cure or end any such violation within the time specified by the non-breaching party. The non-breaching party's option to have cured a breach of this Addendum shall not be construed as a waiver of any other rights the non-breaching party has in the Agreement, this Addendum or by operation of law or in equity.

18. Effect of Termination of Agreement. Upon the termination of the Agreement or this Addendum for any reason, Business Associate shall return to a Covered Entity or, at the Covered Entity's direction, destroy all PHI received from the Covered Entity that Business Associate maintains in any form, recorded on any medium, or stored in any storage system. This provision shall apply to PHI that is in the possession of Business Associate, subcontractors, and agents of Business Associate. Business Associate shall retain no copies of the PHI. Business Associate shall remain bound by the provisions of this Addendum, even after termination of the Agreement or Addendum, until such time as all PHI has been returned or otherwise destroyed as provided in this Section. For the avoidance of doubt, de-identified Customer Data shall not be subject to this provision.

19. Injunctive Relief. Business Associate stipulates that its unauthorized use or disclosure of PHI while performing services pursuant to this Addendum would cause irreparable harm to a Covered Entity, and in such event, the Covered Entity shall be entitled to institute proceedings in any court of competent jurisdiction to obtain damages and injunctive relief.

20. Owner of PHI. Under no circumstances shall Business Associate be deemed in any respect to be the owner of any PHI created or received by Business Associate on behalf of a Covered Entity.

21. Safeguards and Appropriate Use of Protected Health Information. Covered Entity is responsible for implementing appropriate privacy and security safeguards to protect its PHI in compliance with HIPAA. Without limitation, it is Covered Entity's obligation to:

    21.1. Not include PHI in information Covered Entity submits to technical support personnel through a technical support request or to community support forums. In addition, Business Associate does not act as, or have the obligations of a Business Associate under the HIPAA Rules with respect to Customer Data once it is sent to or from Covered Entity outside ESO's Software over the public Internet; and

    21.2. Implement privacy and security safeguards in the systems, applications, and software Covered Entity controls, configures and connects to ESO's Software.

22. Third Party Rights. The terms of this Addendum do not grant any rights to any parties other than Business Associate and the Covered Entity.

23. Signatures. The signatures to the Agreement (or the document evidencing the parties' adoption thereof) indicate agreement hereto and shall be deemed signatures hereof, whether manual, electronic or facsimile.

Agenda Item #17 CC 9.27.22 Approval of Agreement & MSLA, ESO (Johnny)

Final Audit Report 2022-09-29

Created:	2022-09-27
By:	Andy Portillo (andy.portillo@wilco.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAE_hdv1oZDnMoQ4BWe1CStZCEIHnWY7_j

"Agenda Item #17 CC 9.27.22 Approval of Agreement & MSLA, ESO (Johnny)" History

Document digitally presigned by DocuSign\, Inc. (enterprisesupport@docusign.com)
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Document e-signed by Bill Gravell (bgravell@wilco.org)
Signature Date: 2022-09-29 - 1:07:36 PM GMT - Time Source: server- IP address: 74.192.165.249

Agreement completed.
2022-09-29 - 1:07:36 PM GMT

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CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1319333

Date Filed:
06/03/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

ESO Solutions, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

RFP-22RFP122
EMS ePCR software

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Zilker Midco, Inc.	Austin, TX United States	X	
Beck, Eric	Austin, TX United States	X	
Brown, Sam	Austin, TX United States	X	
Munden, Robert	Austin, TX United States	X	
Witter, Coralie	Austin, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is [redacted], and my date of birth is [redacted].

My address is [redacted] (street), _____ (city), _____ (state), _____ (zip code), _____ (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in [redacted] County, State of [redacted], on the [redacted] day of [redacted] (month), 2025 (year).

_____
Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1319333

Date Filed:
06/03/2025

Date Acknowledged:
06/04/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

ESO Solutions, Inc.
Austin, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

RFP-22RFP122
EMS ePCR software

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Zilker Midco, Inc.	Austin, TX United States	X	
Beck, Eric	Austin, TX United States	X	
Brown, Sam	Austin, TX United States	X	
Munden, Robert	Austin, TX United States	X	
Witter, Coralie	Austin, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **38.**

Meeting Date: 06/10/2025

Approval of an Amendment to Contract #24RFSQ61 with Family Hospital Medical Center (FHMC) for Jail Inmate Medical Services, to remove psychiatric services from the scope of work, for the Corrections Department

Submitted For: Joy Simonton **Submitted By:** Cheryl Johnson, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action to approve an amendment to remove psychiatric services from the scope of work under the current Jail Inmate Medical Services agreement #24RFSQ61 for Corrections Department with Family Hospital Medical Center (FHMC)/Family Hospital Behavioral Health Services, and authorize the execution of the amendment.

Background

This is for the approval of the first Amended and Restated Agreement with Family Hospital Medical Center (FHMC), originally approved under RFSQ #24RFSQ61 on September 24, 2024 (Agenda Item #37). The contract term is four (4) years with four (4) additional one-year renewal options. This amendment removes psychiatric services from the scope of work under the current inmate medical services agreement with Family Hospital Medical Center (FHMC). Funding source: 01.0100.0570.004116. Department Contact: Abigail Taylor.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Amendment

Original Agreement

1295 document

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/04/2025 03:04 PM
County Judge Exec Asst.	Delia Colon	06/04/2025 04:19 PM
Form Started By: Cheryl Johnson		Started On: 06/03/2025 09:02 AM
Final Approval Date: 06/04/2025		

FIRST AMENDED AND RESTATED
MANAGEMENT SERVICES AND PROFESSIONAL MEDICAL AND
BEHAVIORAL HEALTHCARE SERVICES AGREEMENT
FOR THE
WILLIAMSON COUNTY JAIL

THIS FIRST AMENDED AND RESTATED MANAGEMENT SERVICES AND PROFESSIONAL MEDICAL AND BEHVAIORAL HEALTHCARE SERVICES AGREEMENT (this "Amended Agreement") is made and entered into by and between Williamson County ("WILCO"), on behalf of the Williamson County Sheriff, and Family Hospital Management Company, LLC a Texas limited liability company ("FHMC"), and Round Rock Outpatient Services, PLLC, a Texas professional limited liability corporation ("RROP"). WILCO, FHMC, and RROP are referred to herein each individually as a "party," and collectively the "parties."

WITNESSETH:

WHEREAS, WILCO wholly owns and, through the Williamson County Sheriff, operates the Williamson County Jail ("WILCO Jail") located at 306 W 4th Street, Georgetown, Texas 78626 and houses both pre-adjudication and post-adjudication inmates. The WILCO Jail is responsible for the health and well-being of inmates incarcerated in the WILCO Jail; and

WHEREAS, FHMC provides and manages the Medical and Behavioral Healthcare to outpatient care Facilities and Hospitals; and

WHEREAS, RROP provides physician staffing services and is properly licensed to provide Medical Services in the State of Texas; and

WHEREAS, pursuant to that certain Management Services And Professional Medical and Behavioral Healthcare Services Agreement executed by WILCO, FHMC and RROP being dated effective September 30, 2024 (the "Original Agreement"), WILCO originally engaged FHMC and RROP as the WILCO Jail's Medical and Behavioral Healthcare Provider to manage and provide the day-to-day Medical and Behavioral Healthcare services of inmates; and

WHEREAS, WILCO, FHMC and RROP have mutually agreed to remove behavioral healthcare physician services from the scope of services to be provided by FHMC and RROP to the inmates of the WILCO Jail and, therefore, it has become necessary to amend and restate the Original Agreement;

NOW, THEREFORE, for and in consideration of the premises and the mutual covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and on the terms and conditions set forth herein, the parties hereby agree to amend and restate the Original Agreement as follows:

ARTICLE 1
Purpose and Engagement

Section 1.1 Primary Purpose. The primary purpose of this Amended Agreement is to secure FHMC to manage and RROP to provide the day-to-day Medical and Behavioral Healthcare services of inmates at the WILCO Jail.

Section 1.2 Engagement. WILCO hereby engages FHMC and RROP to act as the provider of Medical and Behavioral Healthcare services for inmates at the WILCO Jail, and FHMC and RROP hereby accept such engagement for and in consideration of the compensation hereinafter provided.

ARTICLE 2
Scope of Services and Duties of FHMC and RROP

Section 2.1 Management Services. Consistent with applicable federal, state and local laws, WILCO hereby engages FHMC on an exclusive basis to provide Medical and Behavioral Healthcare management services for inmates at the WILCO Jail. FHMC's duties include, but are not limited to, the description of management services ("Management Services") described in Exhibit A, attached hereto and incorporated herein by reference. WILCO hereby grants FHMC the authority to carry out such Management Services on behalf of the Medical and Behavioral Healthcare services being offered to inmates of the Jail.

Section 2.2 Medical and Behavioral Healthcare Services Management. FHMC covenants and agrees that it will be utilizing FHMC employees, RROP, and subcontractors to provide professional Medical and Behavioral Healthcare services to inmates of the WILCO Jail as set forth in Exhibit A and the solicitation documents. FHMC is the manager of professional healthcare providers. FHMC does not itself have the ability or credentials to engage in the practice of medicine. FHMC will not at any time engage in making decisions related to the treatment of patients, ethics or other decision-making related to the delivery of professional Medical Services, which shall be the exclusive responsibility of the professional medical staff providing the care. FHMC has no obligation or authority under this Amended Agreement regarding, and shall not undertake, any activity which is required by law to be provided solely by a licensed physician. Physicians, Nurse Practitioners and staff of FHMC and RROP are required to follow FHMC policy and procedure, as such are designed to keep the WILCO Jail in compliance with requisite licensing and state regulations.

Section 2.3 Medical and Behavioral Health Services. RROP shall provide professional Medical and Behavioral Health Services to inmates of the WILCO Jail as set forth in Exhibit A and the solicitation documents. RROP shall comply with all federal, state, and local standards

relating to patient care and related activities in connection with providing the medical and behavioral services specified in this Amended Agreement. RROP shall provide a Medical Director to oversee the provision of Medical Services and duties set forth in Exhibit C and the solicitation documents.

Section 2.4 Advisors, Consultants, and Subcontractors. FHMC and RROP may utilize the services of advisors, vendors, consultants and subcontractors as it deems necessary to carry out the management and professional healthcare services; provided, however, if an official or employee of WILCO Jail delivers to FHMC a good faith and reasonable written objection against the continued utilization of any particular Consultant, FHMC shall consider such objection in its good faith discretion.

Section 2.5 Payment of Wages and Benefits. The parties agree and acknowledge that FHMC is responsible for the payment of fees, salaries, wages, payroll taxes, and liability insurances directly related to the work of FHMC and RROP Healthcare Providers providing Medical and Behavioral Healthcare at the WILCO Jail. The parties agree that neither WILCO nor any of its officials, employees, or independent contractors have any claim under this Amended Agreement or otherwise against FHMC for any health and welfare benefits, pension plan or retirement benefits, vacation, sick leave, retirement, disability, or any other employee benefits of any type.

Section 2.6 Books and Records. If requested, the books and records of FHMC relating to WILCO Jail and the Management Services performed pursuant to this Amended Agreement will be made available to WILCO and its duly authorized agents and officials for examination and inspection during normal business hours, as soon as readily available. Please note that some requests can take up to 90 days or more to retrieve from outside vendors.

ARTICLE 3
Duties of WILCO Jail

Section 3.1 Cooperation. WILCO Jail will cooperate with FHMC and RROP in taking steps to resolve any administrative issues that arise in connection with the performance of the Management Services and Medical and Behavioral Health Services.

Section 3.2 Compliance with Laws. WILCO Jail shall comply and shall use its best efforts to ensure that it is in compliance with applicable federal, state, and local laws, rules, regulations, and restrictions, including without limitation, the federal anti-kickback statute, the federal false claims act, the Stark self-referral statute, or the false claims act of any state.

Section 3.3 Fees. WILCO Jail shall pay FHMC their agreed upon Contract Fee for providing Management Services and Professional Medical Services as set forth in Article 4.

ARTICLE 4
Contract Fee (Management & Professional Services Fees)

Section 4.1 Contract Fee (Management & Professional Services Fees). WILCO shall pay to FHMC the Contract Fee consisting of $36,243.25 per month. This amount will be equal to $434,919.00 over twelve months. The Contract Fee may be adjusted upwards or downward on each anniversary of the Original Effective Date, which is reflective of then current market conditions. Thirty (30) days prior to the anniversary of the Original Effective Date, FHMC shall give WILCO a notice in writing that shall include evidence of any increase or decrease in FHMC's actual costs. In no event shall Contract Fee increase by more than four precent (4%) annually, unless negotiated in good faith and agreed upon by the parties.

Section 4.2 Reimbursement of Expenses. It is mutually agreed that the Contract Fee represents a "not to exceed" amount that WILCO has agreed to pay FHMC. WILCO will not reimburse FHMC for any additional expenses.

Section 4.3 Fairness of Fees. The parties agree that the Contract Fees set forth in this Article 4 are being paid to FHMC in consideration of the performance of the Management and Professional Healthcare Services by FHMC, RROP, and their staff, and that such fees have been negotiated to be fair, commercially reasonable, and consistent with fair market value of the services furnished by FHMC.

Section 4.4 Invoices. On a monthly basis, FHMC shall submit an invoice for Contract Fees to WILCO, and WILCO shall remit payment to FHMC in accordance with the Texas Prompt Payment Act, Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date WILCO receives the goods under the agreement; (2) the date the performance of the service under the agreement is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services.

Section 4.6 Late Fees. Interest charges for any overdue payments shall be paid by WILCO in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of WILCO's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

Section 4.7 Right to Audit. FHMC agrees that WILCO or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Amended Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of FHMC which are directly pertinent to the services to be performed and amounts expended under this Amended Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. FHMC agrees that WILCO shall have access during normal business hours to all necessary FHMC facilities and shall be provided with adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. WILCO shall give FHMC reasonable advance notice of intended audits.

ARTICLE 5
Relationship of the Parties

It is intended that FHMC and RROP are to provide management and professional healthcare services as independent contractors. FHMC and RROP are not aware of any existing affiliation with WILCO. No Members of WILCO are also Members, Managers, Officers or Directors of FHMC nor do they participate in the management team providing management or professional services on behalf of FHMC.

WILCO, FHMC, and RROP each acknowledge and agree that:

(a) No party is the employee or employer of any other party, and no employee or independent contractors of a party are intended to be or to be construed as the employee of the other party;

(b) Nothing contained in this Amended Agreement creates, constitutes or is to be construed as, a partnership, joint venture, or any other business arrangement or organization between the parties;

(c) FHMC shall not share in any fees for professional services. All compensation to FHMC is solely in exchange for the use of FHMC's proprietary systems, infrastructure, management and professional healthcare services at a fair market value for such use and services;

(d) The parties intend to perform their duties under this Amended Agreement in full compliance with all laws governing fraud and abuse, including the Stark law, the Medicare and Medicaid Anti-Fraud and Abuse law, Anti-Kick Back Law and the Texas Occupations Code Illegal Remuneration law;

(e) FHMC may render similar services for other business entities and persons, and may enter into such other business activities as FHMC, in its sole discretion, may determine, so long as the provision of such services does not prohibit FHMC from performing its duties under this Amended Agreement; and

(f) All materials, programs, websites, domain names, Google or other business listings, reviews, FHMC logos, trademarks, names, documents, databases, personnel lists, vendor lists, pricing lists, business methods, technology, intellectual property and all such other forms of information and materials designed and developed solely by FHMC in the course of providing the Management Services, belong to and are the exclusive proprietary and intellectual property of FHMC, including all services lines (including Rise Recovery and FHS membership, Personal Injury Program, Zulresso, Joint Injections Program, Mixed Medical Arts Program). However, the business

records of WILCO, patient data and any patient related medical information, shall belong to WILCO. Contracts with any vendor with FHMC are considered proprietary and the property of FHMC and will not be shared.

(g) Mutual Non-Disparagement and Cooperation. The parties agree to use all best efforts in maintaining unity with WILCO, FHMC, and RROP staff, personnel, consultants, vendors, patients, and the local community. The parties agree not to make any statements, written or oral, or cause or encourage others to make any such statements that defame, disparage or in any way criticize personnel and/or the reputation, practices or conduct of FHMC or WILCO Jail. This provision shall survive the termination of this Amended Agreement.

(h) Non-solicitation. WILCO agrees to not, either on WILCO's own behalf or on behalf of any other person or entity, directly solicit, sell or assist anyone in soliciting FHMC or RROP's customers, employees, contractors, consultants, vendors, or agents of FHMC or RROP, who is or was a customer, employee, contractor, prospective customer/ client, vendor or agent of FHMC or RROP within two (2) years prior to the termination of FHMC and RROP's services.

(i) The provisions in this Article 5 shall remain in full force and effect and shall survive the termination of this Amended Agreement.

ARTICLE 6
Liability, Insurance and Indemnification

Section 6.1 Limitation on Liability. In connection with the rendition of the services to be performed by FHMC under this Amended Agreement, FHMC shall not: (a) incur or assume any liability for any obligations, liabilities or debts of WILCO or (b) be liable to WILCO, or any other third party who may claim such liability through WILCO, for any acts or omissions in the performance of services, except as provided in Section 6.4.

Section 6.2 Insurance. At all times during the term of this Amended Agreement, the parties will maintain appropriate business, liability insurance, Member, Manager, Director's, Officer's and professional liability insurance. RROP shall additionally always maintain insurance as specified herein. RROP shall submit Certificates of Insurance evidencing the required coverage immediately following contract award and prior to commencement of work. All Certificates of Insurance coverage must be provided to Williamson County Risk Management. Failure to comply with these Insurance Requirements constitutes a material breach of contract. The below requirements control over the requirements stated in the solicitation documents.

A. Coverage Limits. RROP, at RROP's sole cost, shall purchase and maintain during the entire term of the Amended Agreement the following insurance:

i. Workers' Compensation in accordance with statutory requirements.
ii. Commercial General Liability Insurance with a combined minimum Bodily Injury and Property Damage limits of $1,000,000.00 per occurrence and $2,000,000.00 in the aggregate.
    a. Premises – Operations
    b. Products/ Completed Operations
    c. Broad Form Property Damage
    d. Personal Injury
    e. Advertising Injury
    f. Sexual Abuse & Molestation
iii. Automobile Liability Insurance for all owned, non-owned, and hired vehicles with combined minimum limits for Bodily Injury and Property Damage limits of $500,000.00 per occurrence and $1,000,000.00 in the aggregate.
iv. Cyber Liability (Privacy & Network Liability) in the amount of $2,000,000 per incident and $2,000,000 general aggregate.
    a. All policies must include the date of retroactive coverage
        i. Privacy Liability
        ii. Network Security Liability
        iii. Internet Media Liability
        iv. Network Extortion
        v. Data Breach Fund
        vi. Regulatory Proceedings
v. Professional Liability Insurance in an amount of $2,000,000.00 per occurrence and $2,000,000.00 in the annual aggregate. This insurance must cover Respondent's organization and all of its employees, and Respondent must provide proof of the same level of coverage for sub-contractors used.

B. Claims Made Policy: If RROP's professional liability insurance is provided on a claims-made basis, RROP shall maintain and continuously renew the policy, or secure an extended reporting period (ERP) endorsement, to ensure that coverage for claims arising from professional services rendered during the term of this contract extends beyond the expiration or termination of this contract.

C. Retroactive Date: The professional liability insurance policy shall specify a retroactive date that precedes or is concurrent with the Original Effective Date. RROP shall maintain the retroactive date for the duration of this Amended Agreement and any extended reporting period (ERP) as required in previous section.

D. The required insurance must be written by a company approved to do business in the State or Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued.

E. RROP shall not cause any required insurance to be canceled nor permit any insurance to lapse. **In addition to any other notification requires set forth hereunder, RROP shall also notify WILCO, within twenty-four (24) hours of receipt of any notices of expiration, cancellation, non renewal, or material change in coverage it receives from its insurer.**

F. **Additional Insured: "Williamson County, Texas" and its directors, officers and employees shall be added as additional insureds under the required Commercial General Liability and Automobile Liability Insurance policies**, and on those policies where County, its directors, officers and employees are additional insureds, such insurance shall be primary, and any insurance maintained by County shall be excess and not contribute with it. Such policies shall also include waivers of subrogation in favor of County.

Section 6.3 Indemnification by the Jail. To the extent authorized under Texas law, WILCO shall indemnify, hold harmless, and defend FHMC and its respective officers, managers, members, directors, employees, and agents from and against any and all liability, loss, damage, claim, causes of action, and expenses (including reasonable attorneys' fees), to the extent not covered by insurance in the name of WILCO, caused or asserted to have been caused, directly or indirectly, by or as a result of: (a) the performance of professional services; (b) the negligent acts or omissions or the intentional misconduct of WILCO, or (c) any breach of this Amended Agreement. FHMC is entitled to full indemnification for prosecuting or defending its rights pursuant to this agreement, including an advance payment of legal fees and retainers.

Section 6.4 Indemnification by FHMC and RROP:

(a) General Indemnification: FHMC and RROP shall indemnify, hold harmless, and defend WILCO from and against any liability, loss, damage, claim, causes of actions, and expenses (including reasonable attorneys' fees and with Counsel of WILCO's choosing) to the extent not covered by insurance in the name of FHMC or RROP, caused by or as a result of the negligent acts or omissions of FHMC or RROP and/or any of its employees and/or subcontractors under this Amended Agreement during the term of this Amended Agreement (other than when acting at the direction from or in accordance with written instructions from WILCO).

(b) Employee Personal Injury Indemnification: FHMC and RROP shall indemnify, hold harmless, and defend WILCO and shall assume entire responsibility and liability (other than as a result of WILCO's gross negligence) for any claim or action based on or arising out of the personal injury, or death, of any employee of FHMC or RROP, or of any subcontractor, or of any other entity for whose acts they may be liable, which occurred or was alleged to have occurred on the work site or in connection with the performance of the work. FHMC and RROP hereby indemnifies WILCO even to the extent that such personal injury was caused or alleged to have been caused by the sole, comparative or

concurrent negligence, or the strict liability of WILCO. This indemnification shall not be limited to damages, compensation, or benefits payable under insurance policies, Workers Compensation Act, Disability Benefits Act, or other employee benefit acts.

Section 6.5 Survival. The indemnification obligations of the parties set forth in Section 6.3 and 6.4 survive indefinitely, regardless of any expiration, termination or rescission of this Amended Agreement.

Section 6.6 Sovereign Immunity. Nothing in this Amended Agreement will be deemed to constitute a waiver of sovereign immunity or powers of WILCO, the Williamson County Commissioners Court, or the Williamson County Judge.

ARTICLE 7
Term and Termination

Section 7.1 Effective Dates. The effective date of the Original Agreement was September 30, 2024 (the "Original Effective Date"). This Amended Agreement shall be effective March 1, 2025.

Section 7.2 Term. Unless terminated earlier pursuant to the terms of this Article 7, this Amended Agreement will remain in full force and effect until October 1, 2028, which conforms to the term of four (4) years under the Original Agreement (the "Initial Term"). At the end of the Initial Term, the parties have the option to renew this Amended Agreement, by mutual agreement, for up to four (4) additional one (1) year terms, with the terms and conditions remaining the same.

Section 7.3 Termination with Cause. This Amended Agreement may be terminated by either party upon a material breach of any provision of this Amended Agreement that is not cured within thirty 30 days after written notice is given to the breaching party, specifying the nature of the alleged breach.

Section 7.4 Termination without Cause. This Amended Agreement may be terminated upon 90 days written notice without Cause.

Section 7.5 Additional Remedies. If the event of default by either party involves the failure to make a payment as provided in this Amended Agreement, the non-defaulting party shall, in addition to the recovery of the unpaid amount, be entitled to reasonable attorney's fees and costs of collection, and shall be further entitled to interest on such unpaid amounts from the date such amounts become due and payable.

Section 7.6 Effect of Termination. If this Amended Agreement expires or terminates for any reason other than default of WILCO or insolvency of WILCO, FHMC and RROP agrees to provide reasonable assistance to facilitate the orderly transfer of the Management Services for a period of time of 30 days following the notice of termination. WILCO agrees to pay FHMC its

regular Contract Fee for all services rendered during such transition period.

Section 7.7 Return or Destruction of PHI. Upon termination or expiration under any other provision of the Amended Agreement, FHMC and RROP shall not maintain PHI, such is an obligation of WILCO to maintain all Protected Health Information (as defined in Article 8). If the return or destruction of such Protected Health Information is not feasible, FHMC and RROP shall: (a) inform WILCO that the return or destruction is not feasible; (b) limit any further use or disclosure to those purposes that make the return or destruction of the Protected Health Information infeasible; and (c) extend all provisions and obligations of FHMC and RROP under Article 8 of this Amended Agreement for so long as FHMC and RROP maintains the Protected Health Information.

Section 7.8. Return or Destruction of FHMC's Proprietary Information. Any and all of FHMC's equipment and files should be returned to FHMC no later 7 business days prior to the termination date, included but not limited to keys, files, books, passwords, policy manual, forms, marketing materials, and any other materials, digital or otherwise, belonging to FHMC. Those proprietary items that are digitally stored shall be destroyed. WILCO agrees that FHMC may send IT personnel to verify that such proprietary information has been removed from WILCO's network. Failure to return will result in a monetary fine of at least $100,000.00 per item, as it is incapable of placing a value on such information and the parties agree that this dollar value is reasonable.

ARTICLE 8
Confidentiality of Protected Health Information

Section 8.1 Protected Health Information Defined. "Protected Health Information" ("PHI") shall mean any information, whether transmitted or maintained in electronic, written, oral or any other form or medium, that relates to the past, present, or future physical or mental health or condition of an individual; the provision of health care to an individual; or the past, present, or future payment for the provision of health care to an individual; and (i) identifies the individual, or (ii) with respect to which there is a reasonable basis to believe the information can be used to identify the individual, as that term is defined under the Health Insurance Portability and Accountability Act (HIPAA) of 1996.

Section 8.2 Use and Disclosure of PHI. FHMC and RROP shall use and disclose PHI to the minimal amount necessary (i) for purposes of performing under the Amended Agreement; (ii) as permitted or required by this Amended Agreement; or (iii) as Required by Law.

Section 8.3 Protection of PHI. FHMC and RROP will use appropriate safeguards to prevent the use or disclosure of PHI other than as provided for by this Amended Agreement, and shall implement administrative, physical, and technical safeguards that reasonably and appropriately protect the confidentiality, integrity and availability of Electronic PHI that it creates, receives, maintains or transmits during performance of the Management Services. If FHMC and RROP receives any PHI, or creates such PHI in the course of its performance under

this Amended Agreement, FHMC and RROP will maintain the security and confidentiality of such PHI as required by applicable federal, state and local laws and regulations, including the State of Texas' privacy laws and HIPAA.

Section 8.4 Mitigation. FHMC and RROP shall mitigate, to the extent practicable, any harmful effect that is known to FHMC of a use or disclosure of PHI in violation of this Amended Agreement.

Section 8.5 Improper Use or Disclosure Reporting. In the event that FHMC and/or RROP becomes aware of a use or disclosure of PHI by FHMC or RROP that is not permitted under this Amended Agreement, FHMC and/or RROP shall report such use or disclosure to WILCO within five days (5) of becoming aware of the disclosure.

Section 8.6 Records Availability. FHMC and RROP shall make its internal practices, books, and records relating to the use and disclosure of PHI available to the Secretary or any other officer or employee of the Department of Health and Human Services to whom authority has been delegated for purposes of determining the Practice's compliance with the Privacy Standards.

Section 8.7 Accounting of Disclosures.

(a) If WILCO requests that FHMC and/or RROP furnish an accounting of disclosures of PHI made by FHMC or RROP regarding an individual during the five years prior to the date on which the accounting was requested, then FHMC or RROP shall, within ten (10) days of such request, make available to WILCO such information as is in FHMC or RROP's possession and is required for the Practice to make the accounting required by 45 C.F.R. Sec. 164.528.

(b) In the event an individual requests an accounting of disclosures directly from FHMC or RROP, FHMC or RROP shall within five (5) days forward such request to WILCO and shall take no direct action on the request.

ARTICLE 9
Notices

Except as otherwise expressly set forth herein, all notice required or permitted to be given hereunder shall be in writing and shall be deemed effective when personally delivered, sent via overnight delivery or, if mailed, three (3) days after the date deposited in the United States Mail, postage prepaid, registered, or certified, and return receipt requested. Unless changed by written notice given by one party to the other as provided herein.

Notices shall be given to WILCO at the following address:

Williamson County

Attn: County Judge
710 S. Main Street
Ste. 101
Georgetown, Texas 78626

Curtesy Copy:
Williamson County Jail
306 W 4th Street
Georgetown, Texas 78626

Notices shall be given to FHMC at the following address:

Family Hospital Management Company, LLC
1464 E. Whitestone Blvd., Suite 1101
Cedar Park, Texas 78613

Notices shall be given to RROP at the following address:

Round Rock Outpatient Services, PLLC
1464 E. Whitestone Blvd., Ste. 1101
Cedar Park, Texas 78613

Section 9.1 Representations and Warranties of Jail. WILCO hereby represents and warrants that it is a Williamson County, Texas operated entity that is duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Amended Agreement and all agreements executed and delivered by it pursuant to this Amended Agreement.

Section 9.2 Representations and Warranties of FHMC. FHMC hereby represents and warrants that it is a limited liability company duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Amended Agreement and all agreements executed and delivered by it pursuant to this Amended Agreement.

Section 9.3 Representations and Warranties of RROP. RROP hereby represents and warrants that it is a professional limited liability company duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Amended Agreement and all agreements executed and delivered by it pursuant to this Amended Agreement.

ARTICLE 10
Miscellaneous

Section 10.1 Assignment. This Amended Agreement may not be assigned by any party without prior written consent of the other parties; provided, however that the rights and obligations of the Amended Agreement may be assigned by WILCO without prior written consent of FHMC and RROC if WILCO is acquired by or sold to another entity.

Section 10.2 Successors and Assigns. All of the terms, provisions, covenants, conditions and obligations of this Amended Agreement shall be binding upon, and inure to the benefit of, the successors in interest and permitted assigns of the parties hereto.

Section 10.3 Authority of Parties. Each party signing this Amended Agreement represents and warrants that it has the authority to enter into this Amended Agreement, that the execution and delivery of this Amended Agreement has been duly authorized, and that upon such execution and delivery, this Amended Agreement shall be binding upon and enforceable against the party upon signing.

Section 10.4 Severability. In the event that any of the provisions of this Amended Agreement are held to be invalid or unenforceable by any court of competent jurisdiction, the remaining provisions hereof shall not be affected thereby, and the provision found invalid or unenforceable shall be revised or interpreted to the extent permitted by law so as to uphold the validity and enforceability of this Amended Agreement and the intent of the parties as expressed herein.

Section 10.5 Governing Law. This Amended Agreement shall be governed by and construed in accordance with the laws of the State of Texas. Venue of this Amended Agreement shall be in Williamson County, Texas.

Section 10.6 Entire Agreement; Incorporated Documents; Amendment. This Amended Agreement, along with all agreements referred to herein, constitute the entire agreement between the parties with respect to the subject matter hereof and supersedes any and all prior agreements, either oral or written, between the parties with respect thereto. Documents expressly incorporated into this Amended Agreement include the following:

(a) WILCO Solicitation Documents 24RSFQ61 (Jail Inmate Medical Services) and 24RSFQ62 (Jail Psychological Services) (collectively, “solicitation documents”);

(b) Management of Professional Medical and Behavioral Healthcare Services (Exhibit A);

(c) Sample Clinic Schedule (Exhibit B);

(d) Medical Director Services (Exhibit C);

(e) ARPA Terms and Conditions (Exhibit D); and

(f) Insurance certificates evidencing coverages required herein.

Any modification to this Amended Agreement must be made in writing and signed by all of the parties.

Section 10.7 Headings. The section headings used in this Amended Agreement are included solely for convenience and shall not affect the interpretation of this Amended Agreement.

Section 10.8 Waiver. No term or condition of this Amended Agreement shall be deemed to have been waived except by written instrument of the party charged with such waiver.

Section 10.9 Construction. The language herein shall be construed, in all cases, according to its plain meaning and not for or against either party. The parties acknowledge that each party and its counsel have reviewed and revised this Amended Agreement and that the rule of construction that states that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Amended Agreement.

Section 10.10 Force Majeure. Neither party shall be liable to the other for any loss or damage (including, without limitation, direct, indirect, incidental and consequential damages) due to any failure in its performance hereunder; (i) because of compliance with any order, request, or control of any governmental authority or person purporting to act therefore, whether or not said order, request or control ultimately proves to have been invalid; or (ii) when its performance is interrupted, frustrated or prevented, or rendered impossible or impractical because of wars, hostilities, public disorders, acts of enemies, sabotage, strikes, lockouts, labor or employment difficulties, fires, or acts of God, or any cause beyond its control, whether or not similar to any of the foregoing.

Section 10.11 Waiver. The waiver of any breach of any term or condition of this Amended Agreement shall not be deemed to constitute the waiver of any subsequent breach of the same or any other term or condition hereof.

Section 10.12 Texas Public Information Act. To the extent, if any, that any provision in this Amended Agreement conflicts with Texas Government Code 552.001 et seq., as amended (the "Public Information Act"), the same shall be of no force or effect. FHMC and RROP expressly understands that WILCO will comply with the Texas Public Information Act as interpreted by judicial rulings and opinions of the Attorney General of the State of Texas. Information, documentation, and other material in connection with this Amended Agreement may be subject to public disclosure pursuant to the Texas Public Information Act.

Section 10.13 Remedies. The remedies provided to the parties by this Amended Agreement

are not exclusive or exhaustive, but cumulative and in addition to any other remedies the parties may have, at law or in equity.

Section 10.14 Attorney's Fees. If legal action is commenced by either party to enforce or defend its rights under this Amended Agreement, the prevailing party in such action shall be entitled to recover its costs and reasonable attorneys' fees in addition to any other relief granted.

Section 10.15 Survival. The indemnities, representations and warranties set forth herein shall survive the expiration, termination, or rescission of this Amended Agreement for a period of two (2) years.

Section 10.16 No Third-Party Beneficiaries. The parties do not intend this Amended Agreement to create any third-party beneficiaries, including without limitation, individuals who are the subject of PHI.

Section 10.17 Further Assurances. The Parties agree that they shall execute such additional instruments and documents necessary to effectuate this Amended Agreement. The parties agree that consents or approvals required or requested by either party shall not be unreasonably withheld or delayed.

Section 10.18 Counterparts. This Amended Agreement may be executed in one or more counterparts, each of which shall for all purposes be deemed to be an original and all of which shall constitute one and the same instrument.

Section 10.19 Effect of Amended Restated Agreement. The parties hereby agree that, effective March 1, 2025, the terms and provisions of the Original Agreement shall be and hereby are amended, restated and superseded in their entirety by the terms and provisions of this Amended Agreement. Nothing herein contained shall be construed as a substitution or waiver of the obligations of either party outstanding under the Original Agreement, which obligations shall remain in full force and effect, except to the extent that the terms thereof are modified hereby. Nothing expressed or implied in this Amended Agreement shall be construed as a release or other discharge of either party from any of the obligations or any liabilities under the Original Agreement.

IN WITNESS WHEREOF, this Amended Agreement has been executed by the below parties to be effective March 1, 2025.

Signature Page Follows

Williamson County:

By: _____ Date: _____
County Judge/Presiding Officer

Family Hospital Management Company, LLC:

By: _____ Date: 04/28/25
Henry L. Higgins, Managing Member

Round Rock Outpatient Services, PLLC:

By: _____ Date: 04/28/25
Henry L. Higgins, CEO

REVIEWED
By Shannon Francis at 11:15 am, Jun 04, 2025

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: Jun 04 2025 Time: 10:25 am

EXHIBIT A
MANAGEMENT SERVICES
OF PROFESSIONAL MEDICAL AND BEHAVIORAL HEALTHCARE SERVICES
AND
PROFESSIONAL MEDICAL AND BEHAVIORAL HEALTHCARE SERVICES

A. General Oversight

   i. Providing all Medical Services to be delivered under the Amended Agreement at the WILCO Jail;

   ii. Providing and supervising a Behavioral Health Nurse Practitioner for services to be delivered under the Amended Agreement at the WILCO Jail; and

   iii. Cause or supervise the carrying out of all day-to-day management of the Medical and Behavioral Healthcare Services.

B. Development of Policy and Procedures for Medical and Behavioral Healthcare Services

C. Maintain compliance with all laws, rules, and regulations that apply to the WILCO Jail license as they pertain to Medical and Behavioral Healthcare Services.

D. Supervision of the WILCO Jail Medical and Behavioral Healthcare Services

   i. Prepare the Medical and Behavioral Healthcare portions of the Departmental Budget relating to monthly operations.

   ii. Coordinate the portions of the Approved Budgets for Service Providers and any other service providers for the WILCO Jail and submit to the FHMC Governing Body for approval,

   iii. Provide assistance with annual Medical and Behavioral Healthcare inspections and prepare WILCO Jail for State inspections

   iv. Maintain WILCO Jail Healthcare Services and as needed will assist with annual license renewals with the State of Texas

E. Cash Management, Billing Services and Collection

   i. FHMC will not be responsible for managing any WILCO Jail billing or cash.

F. Medical & Behavioral Healthcare Services

   i. FHMC and RROC will oversee and provide Professional Medical Care at the WILCO Jail clinic

   ii. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Professionals no less than 5 hours per day, 7 days per week for Medical and Behavioral Health Services

   iii. FHMC and RROC will provide the WILCO Jail clinic onsite Behavioral Health Specialist Nurse Practitioners for a minimum of 10 hours per week.

   iv. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Doctors a minimum of 10 hours per week to assist with clinic care.

   v. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Specialized Nurse Practitioners a minimum of 25 hours per week.

   vi. FHMC and RROC will provide the WILCO Jail clinic Medical and Behavioral health specialists by phone 24/7 seven days a week for advice and consult.

   vii. Exhibit B of this contract outlines a sample clinic coverage schedule for clarity

EXHIBIT B
Sample Clinic Sc

Example of Weekly Medical and Psychiatric coverage for Jail	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
This is the Onsite Coverage anticipated and used for calculating hourly rates for contract							
Medical Physician 10 hours per week onsite & on call via phone 24/7		10:00am-3:00pm			10:00am-3:00pm		
BH Nurse Practitioner 10 hours per week on site clinic			10:00am - 3:00pm	10:00am -3:00pm			
Medical Nurse Practitioner 25 hours per week	10:00am-3:00pm		10:00am - 3:00pm	10:00am -3:00pm		10:00am -3:00pm	10:00am -3:00pm

hedule

EXHIBIT C
MEDICAL DIRECTOR SERVICES

(a) Overseeing design and implementation of patient care and other clinical policies, protocols and procedures;

(b) nurturing a team approach to the management and operation between all staff, Directors and management;

(c) exhaust every option to ensure that all patients receive the highest level of care and caring by staff members at the applicable facility;

(d) assistance with coordination of physician and ancillary professional recruitment and credentialing;

(e) assistance with coordination of physician service scheduling; exhausting all efforts to have the physician coverage schedule completed in advance;

(f) advising with respect to medical and related issues including the scope of health care services, medical equipment and professional and support services;

(g) provide direction and supervision to other medical and behavioral health professionals separately contracted by WILCO to perform services in the WILCO Jail;

(h) function as Infection Control Director for the Jail;

(i) function as Lab Medical Director for the Jail;

(j) assisting in the establishment, implementation, and completion of quality assurance and compliance protocols;

(k) regularly attending required meetings;

(l) participation in physician and ancillary professional training programs, including their design;

(m) providing such other services as are customarily furnished by a medical director;

(n) Attend other meetings as required.

EXHIBIT D

ADDITIONAL REQUIREMENTS MAY BE APPLICABLE RELATED TO THE CORONAVIRUS AID, RELIEF AND ECONOMIC SECURITY ACT (CARES) AND THE AMERICAN RESCUE PLAN ACT (ARPA) (C.F.D.A. 21.027) WHERE FUNDING MANDATES LEGAL COMPLIANCE:

1. **Use of Funds.**
   - **a.** FHMC/RROP understands and agrees that the funds disbursed under this agreement may only be used in compliance with section 603(c) of the Social Security Act (the Act), Treasury's regulations implementing that section, and guidance issued by Treasury regarding the foregoing.
   - **b.** FHMC/RROP will determine prior to engaging in any project using this assistance that it has the institutional, managerial, and financial capability to ensure proper planning, management, and completion of such project.

2. **Intentionally Left Blank**

3. **Reporting.** FHMC/RROP agrees to comply with any reporting obligations established by Treasury as they relate to this award.

4. **Maintenance of and Access to Records**
   - **a.** FHMC/RROP shall maintain records and financial documents sufficient to evidence compliance with section 603(c) of the Act, Treasury's regulations implementing that section, and guidance issued by Treasury regarding the foregoing.
   - **b.** The Treasury Office of Inspector General and the Government Accountability Office, or their authorized representatives, shall have the right of access to

records (electronic and otherwise) of FHMC/RROP in order to conduct audits or other investigations.

c. Records shall be maintained by FHMC/RROP for a period of five (5) years after all funds have been expended or returned to the Treasury, whichever is later.

5. **Pre-award Costs.** Pre-award costs, as defined in 2 C.F.R. § 200.458, may not be paid with funding from this agreement.

6. **Administrative Costs.** FHMC/RROP may use funds provided under this award to cover both direct and indirect costs.

7. **Cost Sharing.** Cost sharing or matching funds are not required to be provided by the Recipient.

8. **Conflicts of Interest**. FHMC/RROP understands and agrees it must maintain a conflict of interest policy consistent with 2 C.F.R. § 200.318(c) and that such conflict of interest policy is applicable to each activity funded under this award. FHMC/RROP and subrecipients must disclose in writing to Treasury or the pass-through entity, as appropriate, any potential conflict of interest affecting the awarded funds in accordance with 2 C.F.R. § 200.112.

9. **Compliance with Applicable Law and Regulations.**

a. FHMC/RROP agrees to comply with the requirements of section 603 of the Act, regulations adopted by Treasury pursuant to section 603(f) of the Act, and guidance issued by Treasury regarding the foregoing. FHMC/RROP also agrees to comply with all other applicable federal statutes, regulations, and executive orders, and FHMC/RROP shall provide for such compliance by other parties in any agreements it enters into with other parties relating to this award.

b. Federal regulations applicable to this award include, without limitation, the following:

i. Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 2 C.F.R. Part 200, other than such provisions as Treasury may determine are inapplicable to this Award and subject to such exceptions as may be otherwise provided by Treasury. Subpart F – Audit Requirements of the Uniform Guidance, implementing the Single Audit Act, shall apply to this award.

ii. Universal Identifier and System for Award Management (SAM), 2 C.F.R. Part 25, pursuant to which the award term set forth in Appendix A to 2 C.F.R. Part 25 is hereby incorporated by reference.

iii. Reporting Subaward and Executive Compensation Information, 2 C.F.R. Part 170, pursuant to which the award term set forth in Appendix A to 2 C.F.R. Part 170 is hereby incorporated by reference.

iv. OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement), 2 C.F.R. Part 180, including the requirement to include a term or condition in all lower tier covered transactions (contracts

and subcontracts described in 2 C.F.R. Part 180, subpart B) that the award is subject to 2 C.F.R. Part 180 and Treasury's implementing regulation at 31 C.F.R. Part 19.

v. FHMC/RROP Integrity and Performance Matters, pursuant to which the agreement term set forth in 2 C.F.R. Part 200, Appendix XII to Part 200 is hereby incorporated by reference.

vi. Governmentwide Requirements for Drug-Free Workplace, 31 C.F.R. Part 20.

vii. New Restrictions on Lobbying, 31 C.F.R. Part 21.

viii. Uniform Relocation Assistance and Real Property Acquisitions Act of 1970 (42 U.S.C.§§ 4601-4655) and implementing regulations.

ix. Generally applicable federal environmental laws and regulations.

c. Statutes and regulations prohibiting discrimination applicable to this award include, without limitation, the following:

i. Title VI of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d et seq.) and Treasury's implementing regulations at 31 C.F.R. Part 22, which prohibit discrimination on the basis of race, color, or national origin under programs or activities receiving federal financial assistance.

ii. The Fair Housing Act, Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§ 3601 et seq.), which prohibits discrimination in housing on the basis of race, color, religion, national origin, sex, familial status, or disability.

iii. Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of disability under any program or activity receiving federal financial assistance.

iv. The Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101 et seq.), and Treasury's implementing regulations at 31 C.F.R. Part 23, which prohibit discrimination on the basis of age in programs or activities receiving federal financial assistance; and

v. Title II of the Americans with Disabilities Act of 1990, as amended (42 U.S.C. §§ 12101 et seq.), which prohibits discrimination on the basis of disability under programs, activities, and services provided or made available by state and local governments or instrumentalities or agencies thereto.

10. **Remedial Actions.** In the event of FHMC/RROP's noncompliance with section 603 of the Act, other applicable laws, Treasury's implementing regulations, guidance, or any reporting or other program requirements, Treasury may impose additional conditions on the receipt of a subsequent tranche of future award funds, if any, or take other available remedies as set f o r t h in 2 C.F.R. § 200.339. In the case of a violation of section 603(c) of the Act regarding the use of funds, previous payments shall be subject to recoupment as provided in section 603(e) of the Act.

11. **Hatch Act.** FHMC/RROP agrees to comply, as applicable, with requirements of the Hatch Act (5 U.S.C. §§ 1501-1508 and 7324-7328), which limit certain political activities of State or local government employees whose principal employment is in connection with an activity financed in whole or in part by this federal assistance.

12. **False Statements.** FHMC/RROP understands that making false statements or claims in connection with this award is a violation of federal law and may result in criminal, civil, or administrative sanctions, including fines, imprisonment, civil damages and penalties, debarment from participating in federal awards or contracts, and/or any other remedy available by law.

13. **Publications.** Any publications produced with funds from this agreement must display the following language: "This project [is being] [was] supported, in whole or in part, by federal award number [enter project FAIN] awarded to [name of Recipient] by the U.S. Department of the Treasury."

14. **Debts Owed the Federal Government.**
    a. Any funds paid to FHMC/RROP (1) in excess of the amount to which FHMC/RROP is finally determined to be authorized to retain under the terms of this award; (2) that are determined by the Treasury Office of Inspector General to have been misused; or (3) that are determined by Treasury to be subject to a repayment obligation pursuant to section 603(e) of the Act and have not been repaid by FHMC/RROP shall constitute a debt to the federal government.
    b. Any debts determined to be owed the federal government must be paid promptly by Recipient. A debt is delinquent if it has not been paid by the date specified in Treasury's initial written demand for payment, unless other satisfactory arrangements have been made or if the FHMC/RROP knowingly or improperly retains funds that are a debt as defined in paragraph 14(a). Treasury will take any actions available to it to collect such a debt.

15. **Disclaimer.**
    a. The United States expressly disclaims any and all responsibility or liability to FHMC/RROP or third persons for the actions of FHMC/RROP or third persons resulting in death, bodily injury, property damages, or any other losses resulting in any way from the performance of this award or any other losses resulting in any way from the performance of this award or any contract, or subcontract under this award.
    b. The acceptance of this award by FHMC/RROP does not in any way establish an agency relationship between the United States and Recipient.

16. **Protections for Whistleblowers.**
    a. In accordance with 41 U.S.C. § 4712, FHMC/RROP may not discharge, demote, or otherwise discriminate against an employee in reprisal for disclosing to any of the list of persons or entities provided below, information that the employee reasonably believes is evidence of gross mismanagement of a federal contract or grant, a gross waste of federal funds, an abuse of authority relating to a federal contract or grant, a substantial and specific danger to public health or safety, or a violation of law, rule, or regulation related to a federal contract (including the competition for or negotiation of a contract) or

grant.

b. The list of persons and entities referenced in the paragraph above includes the following:
    i. A member of Congress or a representative of a committee of Congress.
    ii. An Inspector General.
    iii. The Government Accountability Office.
    iv. A Treasury employee responsible for contract or grant oversight or management.
    v. An authorized official of the Department of Justice or other law enforcement agency.
    vi. A court or grand jury; or
    vii. A management official or other employee of Recipient, contractor, or subcontractor who has the responsibility to investigate, discover, or address misconduct.
c. FHMC/RROP shall inform its employees in writing of the rights and remedies provided under this section, in the predominant native language of the workforce.

17. **Increasing Seat Belt Use in the United States.** Pursuant to Executive Order 13043, 62 FR 19217 (Apr. 18, 1997), FHMC/RROP should encourage its contractors to adopt and enforce on-the- job seat belt policies and programs for their employees when operating company-owned, rented or personally owned vehicles.

18. **Reducing Text Messaging While Driving**. Pursuant to Executive Order 13513, 74 FR 51225 (Oct. 6, 2009), FHMC/RROP should encourage its employees, subrecipients, and contractors to adopt and enforce policies that ban text messaging while driving, and FHMC/RROP should establish workplace safety policies to decrease accidents caused by distracted drivers.

19. **Clean Air Act and The Federal Water Pollution Control Act Compliance.** FHMC/RROP agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. and the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. and FHMC/RROP agrees to report each violation to the Customer and understands and agrees that the Customer will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office. If applicable, FHMC/RROP agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

20. **Suspension and Debarment.** (1) This Amended Agreement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the FHMC/RROP is required to verify that none of the Vendor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded

(defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The FHMC/RROP must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by Customer. If it is later determined that the FHMC/RROP did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to Customer, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The FHMC/RROP, bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any agreement that may arise from this offer. The FHMC/RROP, bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

21. **Recovered Materials.** (1) In the performance of this Amended Agreement, the FHMC/RROP shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired— (a) Competitively within a timeframe providing for compliance with the contract performance schedule; (b) Meeting contract performance requirements; or (c) At a reasonable price.

    (2) Information about this requirement, along with the list of EPA-designated items, is available at EPA's Comprehensive Procurement Guidelines web site: https://www.epa.gov/smm/comprehensive- procurement-guideline-cpg-program.

    (3) The Vendor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act."

22. **Access to Records**. The following access to records requirements applies to this Amended Agreement:

    (1) The FHMC/RROP agrees to provide Customer, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Vendor which are directly pertinent to this Amended Agreement for the purposes of making audits, examinations, excerpts, and transcriptions.

    (2) The FHMC/RROP agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

    (3) The FHMC/RROP agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining

to the work being completed under the contract.

(4) In compliance with the Disaster Recovery Act of 2018, the Customer and the FHMC/RROP acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

23. **Use of DHS Seals and Related Items.** The FHMC/RROP shall not use Department of Homeland Security ("DHS") seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

24. **Compliance with Federal Law and FEMA Rules**. This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion of the agreement. The FHMC/RROP will comply with all applicable Federal law, regulations, executive orders, FEMA policies, procedures, and directives.

25. **Compliance with Byrd Anti-Lobbying Act, 31 U.S.C. § 1352 (as amended).** Vendors who apply or bid for an award of $100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the Recipient who in turn will forward the certification(s) to the awarding agency.

26. **No Federal Government Obligations.** The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, FHMC/RROP, or any other party pertaining to any matter resulting from this Amended Agreement.

27. **False Claims Act Compliance and Program Fraud Prevention.** The FHMC/RROP acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the FHMC/RROP's actions pertaining to this Amended Agreement.

MANAGEMENT SERVICES AND PROFESSIONAL MEDICAL AND BEHAVIORAL HEALTHCARE SERVICES AGREEMENT
for the Williamson County Jail

THIS MANAGEMENT SERVICES AND PROFESSIONAL MEDICAL AND BEHAVIORAL HEALTHCARE SERVICES AGREEMENT (this "Agreement") is made and entered into by and between Williamson County ("WILCO"), on behalf of the Williamson County Sheriff, and Family Hospital Management Company, LLC a Texas limited liability company ("FHMC"), and Round Rock Outpatient Services, PLLC, a Texas professional limited liability corporation ("RROP"). WILCO, FHMC, and RROP are referred to herein each individually as a "party," and collectively the "parties."

WITNESSETH:

WHEREAS, WILCO wholly owns and, through the Williamson County Sheriff, operates a the Williamson County Jail ("WILCO Jail") located at 306 W 4th Street, Georgetown, Texas 78626 and houses both pre-adjudication and post-adjudication inmates. The WILCO Jail is responsible for the health and well-being of inmates incarcerated in the WILCO Jail; and

WHEREAS, FHMC provides and manages the medical and behavioral healthcare to outpatient care Facilities and Hospitals; and

WHEREAS, RROP provides physician staffing services and is properly licensed to provide medical services in the State of Texas; and

WHEREAS, WILCO desires to engage FHMC and RROP as the WILCO Jail's Medical and Behavioral Healthcare Provider to manage and provide the day-to-day medical and behavioral healthcare services of inmates.

NOW, THEREFORE, for and in consideration of the premises and the mutual covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and on the terms and conditions set forth herein, the parties hereby agree as follows:

ARTICLE 1
Purpose and Engagement

Section 1.1 Primary Purpose. The primary purpose of this Agreement is to secure FHMC to manage and RROP to provide the day-to-day medical and behavioral healthcare services of inmates at the WILCO Jail.

Section 1.2 Engagement. WILCO hereby engages FHMC and RROP to act as the provider of Medical and Behavioral healthcare services for inmates at the WILCO Jail, and FHMC and RROP hereby accept such engagement for and in consideration of the compensation hereinafter provided.

ARTICLE 2
Scope of Services and Duties of FHMC and RROP

Section 2.1 Management Services. Consistent with applicable federal, state and local laws, WILCO hereby engages FHMC on an exclusive basis to provide Medical and Behavioral healthcare management services for inmates at the WILCO Jail. FHMC's duties include, but are not limited to, the description of management services ("Management Services") described in Exhibit "A", attached hereto and incorporated herein by reference. WILCO hereby grants FHMC the authority to carry out such Management Services on behalf of the Medical and Behavioral Healthcare being offered to inmates of the Jail.

Section 2.2 Medical and Behavioral Healthcare Services Management. FHMC covenants and agrees that it will be utilizing FHMC employees, RROP, and subcontractors to provide professional Medical and Behavioral Healthcare services to inmates of the WILCO Jail as set forth in Exhibit A and the solicitation documents. FHMC is the manager of professional healthcare providers. FHMC does not itself have the ability or credentials to engage in the practice of medicine. FHMC will not at any time engage in making decisions related to the treatment of patients, ethics or other decision-making related to the delivery of professional medical services, which shall be the exclusive responsibility of the professional medical staff providing the care. FHMC has no obligation or authority under this Agreement regarding, and shall not undertake, any activity which is required by law to be provided solely by a licensed physician. Physicians, Nurse Practitioners and staff of FHMC and RROP are required to follow FHMC policy and procedure, as such are designed to keep the WILCO Jail in compliance with requisite licensing and state regulations.

Section 2.3 Medical and Behavioral Health Services. RROP shall provide professional Medical and Behavioral Health Services to inmates of the WILCO Jail as set forth in Exhibit A and the solicitation documents. RROP shall comply with all federal, state, and local standards relating to patient care and related activities in connection with providing the medical and behavioral services specified in this Agreement. RROP shall provide a Medical Director to oversee the provision of medical services and duties set forth in Exhibit C and the solicitation documents.

Section 2.4 Advisors, Consultants, and Subcontractors. FHMC and RROP may utilize the services of advisors, vendors, consultants and subcontractors as it deems necessary to carry out the Management and professional healthcare services; provided, however, if an official or employee of WILCO Jail delivers to FHMC a good faith and reasonable written objection against the continued utilization of any particular Consultant, FHMC shall consider such objection in its good faith discretion.

Section 2.5 Payment of Wages and Benefits. The parties agree and acknowledge that FHMC is responsible for the payment of fees, salaries, wages, payroll taxes, and liability insurances directly related to the work of FHMC and RROP Healthcare Providers providing Medical and Behavioral Healthcare at the WILCO Jail. The parties agree that neither WILCO nor any of its officials, employees, or independent contractors have any claim under this Agreement or otherwise against FHMC for any health and welfare benefits, pension plan or retirement benefits, vacation, sick leave, retirement, disability, or any other employee benefits of any type.

Section 2.6 Books and Records. If requested, the books and records of FHMC relating to WILCO Jail and the Management Services performed pursuant to this Agreement will be made available to WILCO and its duly authorized agents and officials for examination and inspection during normal business hours, as soon as readily available. Please note that some requests can take up to 90 days or more to retrieve from outside vendors.

ARTICLE 3
Duties of WILCO Jail

Section 3.1 Cooperation. WILCO Jail will cooperate with FHMC and RROP in taking steps to resolve any administrative issues that arise in connection with the performance of the Management Services and Medical and Behavioral Health services.

Section 3.2 Compliance with Laws. WILCO Jail shall comply and shall use its best efforts to ensure that it is in compliance with applicable federal, state, and local laws, rules, regulations, and restrictions, including without limitation, the federal anti-kickback statute, the federal false claims act, the Stark self-referral statute, or the false claims act of any state.

Section 3.3 Fees. WILCO Jail shall pay FHMC their agreed upon Contract Fee for providing Management Services and Professional Medical and Behavioral Healthcare services as set forth in Article 4.

ARTICLE 4
Contract Fee (Management & Professional Services Fees)

Section 4.1 Contract Fee (Management & Professional Services Fees). WILCO shall pay to FHMC the Contract Fee consisting of $42,643.25 per month. This amount will be equal to $511,719 over twelve months. The Contract Fee may be adjusted upwards or downward on each anniversary of the Effective Date, which is reflective of then current market conditions. Thirty (30) days prior to the anniversary of the Effective Date, FHMC shall give WILCO a notice in writing that shall include evidence of any increase or decrease in FHMC's actual costs. In no event shall Contract Fee increase by more than four precent (4%) annually, unless negotiated in good faith and agreed upon by the parties.

Section 4.2 Reimbursement of Expenses. It is mutually agreed that the Contract Fee represents a "not to exceed" amount that WILCO has agreed to pay FHMC. WILCO will not reimburse FHMC for any additional expenses.

Section 4.3 Fairness of Fees. The parties agree that the Contract Fees set forth in this Article 4 are being paid to FHMC in consideration of the performance of the Management and Professional Healthcare Services by FHMC, RROP, and their staff, and that such fees have been negotiated to be fair, commercially reasonable, and consistent with fair market value of the services furnished by FHMC.

Section 4.4 Invoices. On a monthly basis, FHMC shall submit an invoice for Contract Fees to WILCO, and WILCO shall remit payment to FHMC in accordance with the Texas Prompt

Payment Act, Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date WILCO receives the goods under the agreement; (2) the date the performance of the service under the agreement is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services.

Section 4.6 Late Fees. Interest charges for any overdue payments shall be paid by WILCO in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of WILCO's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

Section 4.7 Right to Audit. FHMC agrees that WILCO or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of FHMC which are directly pertinent to the services to be performed and amounts expended under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. FHMC agrees that WILCO shall have access during normal business hours to all necessary FHMC facilities and shall be provided with adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. WILCO shall give FHMC reasonable advance notice of intended audits.

ARTICLE 5
Relationship of the Parties

It is intended that FHMC and RROP are to provide management and professional healthcare services as independent contractors. FHMC and RROP are not aware of any existing affiliation with WILCO. No Members of WILCO are also Members, Managers, Officers or Directors of FHMC nor do they participate in the management team providing management or professional services on behalf of FHMC.

WILCO, FHMC, and RROP each acknowledge and agree that:

(a) No party is the employee or employer of any other party, and no employee or independent contractors of a party are intended to be or to be construed as the employee of the other party;

(b) Nothing contained in this Agreement creates, constitutes or is to be construed as, a partnership, joint venture, or any other business arrangement or organization between the parties;

(c) FHMC shall not share in any fees for professional services. All compensation to FHMC is solely in exchange for the use of FHMC's proprietary systems, infrastructure, management and professional healthcare services at a fair market value for such use and services;

(d) The parties intend to perform their duties under this Agreement in full compliance with all laws governing fraud and abuse, including the Stark law, the Medicare and Medicaid Anti-Fraud and Abuse law, Anti-Kick Back Law and the Texas Occupations Code Illegal Remuneration law;

(e) FHMC may render similar services for other business entities and persons, and may enter into such other business activities as FHMC, in its sole discretion, may determine, so long as the provision of such services does not prohibit FHMC from performing its duties under this Agreement; and

(f) All materials, programs, websites, domain names, Google or other business listings, reviews, FHMC logos, trademarks, names, documents, databases, personnel lists, vendor lists, pricing lists, business methods, technology, intellectual property and all such other forms of information and materials designed and developed solely by FHMC in the course of providing the Management Services, belong to and are the exclusive proprietary and intellectual property of FHMC, including all services lines (including Rise Recovery and FHS membership, Personal Injury Program, Zulresso, Joint Injections Program, Mixed Medical Arts Program). However, the business records of WILCO, patient data and any patient related medical information, shall belong to WILCO. Contracts with any vendor with FHMC are considered proprietary and the property of FHMC and will not be shared.

(g) Mutual Non-Disparagement and Cooperation. The parties agree to use all best efforts in maintaining unity with WILCO, FHMC, and RROP staff, personnel, consultants, vendors, patients, and the local community. The parties agree not to make any statements, written or oral, or cause or encourage others to make any such statements that defame, disparage or in any way criticize personnel and/or the reputation, practices or conduct of FHMC or WILCO Jail. This provision shall survive the termination of this Agreement.

(h) Non-solicitation. WILCO agrees to not, either on WILCO's own behalf or on behalf of any other person or entity, directly solicit, sell or assist anyone in soliciting FHMC or RROP's customers, employees, contractors, consultants, vendors, or agents of FHMC or RROP, who is or was a customer, employee, contractor, prospective customer/ client, vendor or agent of FHMC or RROP within two (2) years prior to the termination of FHMC and RROP's services.

(i) The provisions in this Article 5 shall remain in full force and effect and shall survive the termination of this Agreement.

ARTICLE 6
Liability, Insurance and Indemnification

Section 6.1 Limitation on Liability. In connection with the rendition of the services to be performed by FHMC under this Agreement, FHMC shall not: (a) incur or assume any liability for any obligations, liabilities or debts of WILCO or (b) be liable to WILCO, or any other third party

who may claim such liability through WILCO, for any acts or omissions in the performance of services, except as provided in Section 6.4.

Section 6.2 Insurance. At all times during the term of this Agreement, the parties will maintain appropriate business, liability insurance, Member, Manager, Director's, Officer's and professional liability insurance. RROP shall additionally always maintain insurance as specified herein. RROP shall submit Certificates of Insurance evidencing the required coverage immediately following contract award and prior to commencement of work. All Certificates of Insurance coverage must be provided to Williamson County Risk Management. Failure to comply with these Insurance Requirements constitutes a material breach of contract. The below requirements control over the requirements stated in the solicitation documents.

A. Coverage Limits. RROP, at RROP's sole cost, shall purchase and maintain during the entire term of the Agreement the following insurance:

   i. Workers' Compensation in accordance with statutory requirements.
   ii. Commercial General Liability Insurance with a combined minimum Bodily Injury and Property Damage limits of $1,000,000.00 per occurrence and $2,000,000.00 in the aggregate.
      a. Premises – Operations
      b. Products/ Completed Operations
      c. Broad Form Property Damage
      d. Personal Injury
      e. Advertising Injury
      f. Sexual Abuse & Molestation
   iii. Automobile Liability Insurance for all owned, non-owned, and hired vehicles with combined minimum limits for Bodily Injury and Property Damage limits of $500,000.00 per occurrence and $1,000,000.00 in the aggregate.
   iv. Cyber Liability (Privacy & Network Liability) in the amount of $2,000,000 per incident and $2,000,000 general aggregate.
      a. All policies must include the date of retroactive coverage
         i. Privacy Liability
         ii. Network Security Liability
         iii. Internet Media Liability
         iv. Network Extortion
         v. Data Breach Fund
         vi. Regulatory Proceedings
   v. Professional Liability Insurance in an amount of $2,000,000.00 per occurrence and $2,000,000.00 in the annual aggregate. This insurance must cover Respondent's organization and all of its employees, and Respondent must provide proof of the same level of coverage for sub-contractors used.

B. Claims Made Policy: If RROP's professional liability insurance is provided on a claims-made basis, RROP shall maintain and continuously renew the policy, or secure an extended reporting period (ERP) endorsement, to ensure that coverage for claims arising from professional services rendered during the term of this contract extends beyond the

expiration or termination of this contract.

C. Retroactive Date: The professional liability insurance policy shall specify a retroactive date that precedes or is concurrent with the effective date of this Agreement. RROP shall maintain the retroactive date for the duration of this Agreement and any extended reporting period (ERP) as required in previous section.

Section 6.3 Indemnification by the Jail. To the extent authorized under Texas law, WILCO shall indemnify, hold harmless, and defend FHMC and its respective officers, managers, members, directors, employees, and agents from and against any and all liability, loss, damage, claim, causes of action, and expenses (including reasonable attorneys' fees), to the extent not covered by insurance in the name of WILCO, caused or asserted to have been caused, directly or indirectly, by or as a result of: (a) the performance of professional services; (b) the negligent acts or omissions or the intentional misconduct of WILCO, or (c) any breach of this Agreement. FHMC is entitled to full indemnification for prosecuting or defending its rights pursuant to this agreement, including an advance payment of legal fees and retainers.

Section 6.4 Indemnification by FHMC and RROP:

(a) General Indemnification: FHMC and RROP shall indemnify, hold harmless, and defend WILCO from and against any liability, loss, damage, claim, causes of actions, and expenses (including reasonable attorneys' fees and with Counsel of WILCO's choosing) to the extent not covered by insurance in the name of FHMC or RROP, caused by or as a result of the negligent acts or omissions of FHMC or RROP and/or any of its employees and/or subcontractors under this Agreement during the term of this Agreement (other than when acting at the direction from or in accordance with written instructions from WILCO).

(b) Employee Personal Injury Indemnification: FHMC and RROP shall indemnify, hold harmless, and defend WILCO and shall assume entire responsibility and liability (other than as a result of WILCO's gross negligence) for any claim or action based on or arising out of the personal injury, or death, of any employee of FHMC or RROP, or of any subcontractor, or of any other entity for whose acts they may be liable, which occurred or was alleged to have occurred on the work site or in connection with the performance of the work. FHMC and RROP hereby indemnifies WILCO even to the extent that such personal injury was caused or alleged to have been caused by the sole, comparative or concurrent negligence, or the strict liability of WILCO. This indemnification shall not be limited to damages, compensation, or benefits payable under insurance policies, Workers Compensation Act, Disability Benefits Act, or other employee benefit acts.

Section 6.5 Survival. The indemnification obligations of the parties set forth in Section 6.3 and 6.4 survive indefinitely, regardless of any expiration, termination or rescission of this Agreement.

Section 6.6 Sovereign Immunity. Nothing in this Agreement will be deemed to constitute a waiver of sovereign immunity or powers of WILCO, the Williamson County Commissioners Court, or the Williamson County Judge.

ARTICLE 7
Term and Termination

Section 7.1 Effective Date. This Agreement shall be effective on the date of the last party's signature.

Section 7.2 Term. Unless terminated earlier pursuant to the terms of this Article 7, this Agreement will remain in full force and effect for a term of four (4) years (the "Initial Term"). At the end of the Initial Term, the parties have the option to renew this Agreement, by mutual agreement, for up to four (4) additional one (1) year terms, with the terms and conditions remaining the same.

Section 7.3 Termination with Cause. This Agreement may be terminated by either party upon a material breach of any provision of this Agreement that is not cured within thirty 30 days after written notice is given to the breaching party, specifying the nature of the alleged breach.

Section 7.4 Termination without Cause. This Agreement may be terminated upon 90 days written notice without Cause.

Section 7.5 Additional Remedies. If the event of default by either party involves the failure to make a payment as provided in this Agreement, the non-defaulting party shall, in addition to the recovery of the unpaid amount, be entitled to reasonable attorney's fees and costs of collection, and shall be further entitled to interest on such unpaid amounts from the date such amounts become due and payable.

Section 7.6 Effect of Termination. If this Agreement expires or terminates for any reason other than default of WILCO or insolvency of WILCO, FHMC and RROP agrees to provide reasonable assistance to facilitate the orderly transfer of the Management Services for a period of time of 30 days following the notice of termination. WILCO agrees to pay FHMC its regular Contract Fee for all services rendered during such transition period.Section 7.6 Return or Destruction of PHI. Upon termination or expiration under any other provision of the Agreement, FHMC and RROP shall not maintain PHI, such is an obligation of WILCO to maintain all Protected Health Information (as defined in Article 8). If the return or destruction of such Protected Health Information is not feasible, FHMC and RROP shall: (a) inform WILCO that the return or destruction is not feasible; (b) limit any further use or disclosure to those purposes that make the return or destruction of the Protected Health Information infeasible; and (c) extend all provisions and obligations of FHMC and RROP under Article 8 of this Agreement for so long as FHMC and RROP maintains the Protected Health Information.

Section 7.7. Return or Destruction of FHMC's Proprietary Information. Any and all of FHMC's equipment and files should be returned to FHMC no later 7 business days prior to the termination date, included but not limited to keys, files, books, passwords, policy manual, forms, marketing materials, and any other materials, digital or otherwise, belonging to FHMC. Those proprietary items that are digitally stored shall be destroyed. WILCO agrees that FHMC may send IT personnel to verify that such proprietary information has been removed from WILCO's network. Failure to return will result in a monetary fine of at least $100,000.00 per item, as it is incapable of placing

a value on such information and the parties agree that this dollar value is reasonable.

ARTICLE 8
Confidentiality of Protected Health Information

Section 8.1 Protected Health Information Defined. "Protected Health Information" ("PHI") shall mean any information, whether transmitted or maintained in electronic, written, oral or any other form or medium, that relates to the past, present, or future physical or mental health or condition of an individual; the provision of health care to an individual; or the past, present, or future payment for the provision of health care to an individual; and (i) identifies the individual, or (ii) with respect to which there is a reasonable basis to believe the information can be used to identify the individual, as that term is defined under the Health Insurance Portability and Accountability Act (HIPAA) of 1996.

Section 8.2 Use and Disclosure of PHI. FHMC and RROP shall use and disclose PHI to the minimal amount necessary (i) for purposes of performing under the Agreement; (ii) as permitted or required by this Agreement; or (iii) as Required by Law.

Section 8.3 Protection of PHI. FHMC and RROP will use appropriate safeguards to prevent the use or disclosure of PHI other than as provided for by this Agreement, and shall implement administrative, physical, and technical safeguards that reasonably and appropriately protect the confidentiality, integrity and availability of Electronic PHI that it creates, receives, maintains or transmits during performance of the Management Services. If FHMC and RROP receives any PHI, or creates such PHI in the course of its performance under this Agreement, FHMC and RROP will maintain the security and confidentiality of such PHI as required by applicable federal, state and local laws and regulations, including the State of Texas' privacy laws and HIPAA.

Section 8.4 Mitigation. FHMC and RROP shall mitigate, to the extent practicable, any harmful effect that is known to FHMC of a use or disclosure of PHI in violation of this Agreement.

Section 8.5 Improper Use or Disclosure Reporting. In the event that FHMC and/or RROP becomes aware of a use or disclosure of PHI by FHMC or RROP that is not permitted under this Agreement, FHMC and/or RROP shall report such use or disclosure to WILCO within five days (5) of becoming aware of the disclosure.

Section 8.6 Records Availability. FHMC and RROP shall make its internal practices, books, and records relating to the use and disclosure of PHI available to the Secretary or any other officer or employee of the Department of Health and Human Services to whom authority has been delegated for purposes of determining the Practice's compliance with the Privacy Standards.

Section 8.7 Accounting of Disclosures.

(a) If WILCO requests that FHMC and/or RROP furnish an accounting of disclosures of PHI made by FHMC or RROP regarding an individual during the five years prior to the date on which the accounting was requested, then FHMC or RROP shall, within ten (10) days of such request, make available to WILCO such information as is in FHMC or RROP's

possession and is required for the Practice to make the accounting required by 45 C.F.R. Sec. 164.528.

(b) In the event an individual requests an accounting of disclosures directly from FHMC or RROP, FHMC or RROP shall within five (5) days forward such request to WILCO and shall take no direct action on the request.

ARTICLE 9
Notices

Except as otherwise expressly set forth herein, all notice required or permitted to be given hereunder shall be in writing and shall be deemed effective when personally delivered, sent via overnight delivery or, if mailed, three (3) days after the date deposited in the United States Mail, postage prepaid, registered, or certified, and return receipt requested. Unless changed by written notice given by one party to the other as provided herein.

Notices shall be given to WILCO at the following address:

Williamson County
Attn: County Judge
710 S. Main Street
Ste. 101
Georgetown, Texas 78626

Curtesy Copy:
Williamson County Jail
306 W 4th Street
Georgetown, Texas 78626

Notices shall be given to FHMC at the following address:

Family Hospital Management Company, LLC
1464 E. Whitestone Blvd., Suite 1101
Cedar Park, Texas 78613

Notices shall be given to RROP at the following address:
Round Rock Outpatient Services, PLLC
1464 E. Whitestone Blvd., Ste. 1101
Cedar Park, Texas 78613

Section 9.1 Representations and Warranties of Jail. WILCO hereby represents and warrants that it is a Williamson County, Texas operated entity that is duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Agreement and all agreements executed and delivered by it pursuant to this Agreement.

Section 9.2 Representations and Warranties of FHMC. FHMC hereby represents and warrants that it is a limited liability company duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Agreement and all agreements executed and delivered by it pursuant to this Agreement.

Section 9.3 Representations and Warranties of RROP. RROP hereby represents and warrants that it is a professional limited liability company duly organized, validly existing, and in good standing under the laws of the State of Texas, has all necessary power to own all of its properties and assets and to carry on its business as now being conducted, and has the authority to execute, deliver, and perform this Agreement and all agreements executed and delivered by it pursuant to this Agreement.

ARTICLE 10
Miscellaneous

Section 10.1 Assignment. This Agreement may not be assigned by any party without prior written consent of the other parties; provided, however that the rights and obligations of the Agreement may be assigned by WILCO without prior written consent of FHMC and RROC if WILCO is acquired by or sold to another entity.

Section 10.2 Successors and Assigns. All of the terms, provisions, covenants, conditions and obligations of this Agreement shall be binding upon, and inure to the benefit of, the successors in interest and permitted assigns of the parties hereto.

Section 10.3 Authority of Parties. Each party signing this Agreement represents and warrants that it has the authority to enter into this Agreement, that the execution and delivery of this Agreement has been duly authorized, and that upon such execution and delivery, this Agreement shall be binding upon and enforceable against the party upon signing.

Section 10.4 Severability. In the event that any of the provisions of this Agreement are held to be invalid or unenforceable by any court of competent jurisdiction, the remaining provisions hereof shall not be affected thereby, and the provision found invalid or unenforceable shall be revised or interpreted to the extent permitted by law so as to uphold the validity and enforceability of this Agreement and the intent of the parties as expressed herein.

Section 10.5 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Texas. Venue of this Agreement shall be in Williamson County, Texas.

Section 10.6 Entire Agreement; Incorporated Documents; Amendment. This Agreement, along with all agreements referred to herein, constitute the entire agreement between the parties with respect to the subject matter hereof and supersedes any and all prior agreements, either oral or written, between the parties with respect thereto. Documents expressly incorporated into this

Agreement include the following:

(a) WILCO Solicitation Documents 24RSFQ61 (Jail Inmate Medical Services) and 24RSFQ62 (Jail Psychological Services) (collectively, "solicitation documents");

(b) Management of Professional Medical and Behavioral Healthcare Services (Exhibit A);

(c) Sample Clinic Schedule (Exhibit B);

(d) Medical Director Services (Exhibit C);

(e) ARPA Terms and Conditions (Exhibit D); and

(f) Insurance certificates evidencing coverages required herein.

Any modification to this Agreement must be made in writing and signed by all of the parties.

Section 10.7 Headings. The section headings used in this Agreement are included solely for convenience and shall not affect the interpretation of this Agreement.

Section 10.8 Waiver. No term or condition of this Agreement shall be deemed to have been waived except by written instrument of the party charged with such waiver.

Section 10.9 Construction. The language herein shall be construed, in all cases, according to its plain meaning and not for or against either party. The parties acknowledge that each party and its counsel have reviewed and revised this Agreement and that the rule of construction that states that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement.

Section 10.10 Force Majeure. Neither party shall be liable to the other for any loss or damage (including, without limitation, direct, indirect, incidental and consequential damages) due to any failure in its performance hereunder; (i) because of compliance with any order, request, or control of any governmental authority or person purporting to act therefore, whether or not said order, request or control ultimately proves to have been invalid; or (ii) when its performance is interrupted, frustrated or prevented, or rendered impossible or impractical because of wars, hostilities, public disorders, acts of enemies, sabotage, strikes, lockouts, labor or employment difficulties, fires, or acts of God, or any cause beyond its control, whether or not similar to any of the foregoing.

Section 10.11 Waiver. The waiver of any breach of any term or condition of this Agreement shall not be deemed to constitute the waiver of any subsequent breach of the same or any other term or condition hereof.

Section 10.12 Texas Public Information Act. To the extent, if any, that any provision in this Agreement conflicts with Texas Government Code 552.001 et seq., as amended (the "Public Information Act"), the same shall be of no force or effect. FHMC and RROP expressly understands

that WILCO will comply with the Texas Public Information Act as interpreted by judicial rulings and opinions of the Attorney General of the State of Texas. Information, documentation, and other material in connection with this Agreement may be subject to public disclosure pursuant to the Texas Public Information Act.

Section 10.13 Remedies. The remedies provided to the parties by this Agreement are not exclusive or exhaustive, but cumulative and in addition to any other remedies the parties may have, at law or in equity.

Section 10.14 Attorney's Fees. If legal action is commenced by either party to enforce or defend its rights under this Agreement, the prevailing party in such action shall be entitled to recover its costs and reasonable attorneys' fees in addition to any other relief granted.

Section 10.15 Survival. The indemnities, representations and warranties set forth herein shall survive the expiration, termination, or rescission of this Agreement for a period of two (2) years.

Section 10.16 No Third-Party Beneficiaries. The parties do not intend this Agreement to create any third-party beneficiaries, including without limitation, individuals who are the subject of PHI.

Section 10.17 Further Assurances. The Parties agree that they shall execute such additional instruments and documents necessary to effectuate this Agreement. The parties agree that consents or approvals required or requested by either party shall not be unreasonably withheld or delayed.

Section 10.18 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall for all purposes be deemed to be an original and all of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, this Management Services and Professional Medical and Behavioral Healthcare Services Agreement has been executed the date and year first above written.

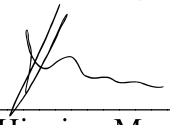
Signature Page Follows

Williamson County:

By: Valerie Covey
Valerie Covey (Sep 30, 2024 14:58 CDT)
County Judge/Presiding Officer

Date: Sep 30, 2024

Family Hospital Management Company, LLC:

By: 
Henry L. Higgins, Managing Member

Date: 09/19/2024

Round Rock Outpatient Services, PLLC:

By: 

Date: 09/19/2024

Name: Henry Higgins as CEO

EXHIBIT A
MANAGEMENT SERVICES
of Professional Medical and Behavioral Healthcare Services and
PROFESSIONAL MEDICAL AND BEHAVIORAL HEALTHCARE SERVICES

A. General Oversight

   i. Providing all Medical and Behavioral Health services to be delivered under the Agreement at the WILCO Jail; and

   ii. Cause or supervise the carrying out of all day-to-day management of the Medical and Behavioral Healthcare Services.

B. Development of Policy and Procedures for Medical and Behavioral Healthcare services

C. Maintain compliance with all laws, rules, and regulations that apply to the WILCO Jail license as they pertain to Medical and Behavioral Healthcare services.

D. Supervision of the WILCO Jail Medical and Behavioral Healthcare Services

   i. Prepare the Medical and Behavioral Healthcare portions of the Departmental Budget relating to monthly operations.

   ii. Coordinate the portions of the Approved Budgets for Service Providers and any other service providers for the WILCO Jail and submit to the FHMC Governing Body for approval,

   iii. Provide assistance with annual Medical and Behavioral Healthcare inspections and prepare WILCO Jail for State inspections

   iv. Maintain WILCO Jail Healthcare Services and as needed will assist with annual license renewals with the State of Texas

E. Cash Management, Billing Services and Collection

   i. FHMC will not be responsible for managing any WILCO Jail billing or cash.

F. Medical & Behavioral Healthcare Services

   i. FHMC and RROC will oversee and provide Professional Medical Care at the WILCO Jail clinic

   ii. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Professionals no less than 5 hours per day, 7 days per week for Medical and Behavioral Health services

   iii. FHMC and RROC will provide the WILCO Jail clinic an onsite Behavioral Health Specialist Physician a minimum of 4 hours per week dedicated to the WILCO Jail Behavioral Health Services with 2 of these hours dedicated to engaging in court hearings for forced medications on inmates.

iv. FHMC and RROC will provide the WILCO Jail clinic onsite Behavioral Health Specialist Nurse Practitioners for a minimum of 10 hours per week.

v. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Doctors a minimum of 10 hours per week to assist with clinic care.

vi. FHMC and RROC will provide the WILCO Jail clinic onsite Medical Specialized Nurse Practitioners a minimum of 25 hours per week.

vii. FHMC and RROC will provide the WILCO Jail clinic Medical and Behavioral health specialists by phone 24/7 seven days a week for advice and consult.

viii. Exhibit B of this contract outlines a sample clinic coverage schedule for clarity

EXHIBIT B
Sample Clinic Schedule

Example of Weekly Medical and Psychiatric coverage for Jail	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
This is the Onsite Coverage anticipated and used for calculating hourly rates for contract							
Medical Physician 10 hours per week onsite & on call via phone 24/7		10:00am-3:00pm			10:00am-3:00pm		
BH Nurse Practitioner 10 hours per week on site clinic			10:00am-3:00pm	10:00am-3:00pm			
Medical Nurse Practitioner 25 hours per week	10:00am-3:00pm		10:00am-3:00pm	10:00am-3:00pm		10:00am-3:00pm	10:00am-3:00pm
Psych MD 4 hours per week & on call 24/7, random Pre Court evaluations	Remote oversight of BH NP and psych emergencies	Remote oversight of BH NP and psych emergencies	Remote oversight of BH NP and psych emergencies	2:00pm-4:00pm **Forced Medication Zoom Court Hearings**	Remote oversight of BH NP and psych emergencies	Remote oversight of BH NP and psych emergencies	Remote oversight of BH NP and psych emergencies

EXHIBIT C
MEDICAL DIRECTOR SERVICES

(a) Overseeing design and implementation of patient care and other clinical policies, protocols and procedures;

(b) nurturing a team approach to the management and operation between all staff, Directors and management;

(c) exhaust every option to ensure that all patients receive the highest level of care and caring by staff members at the applicable facility;

(d) assistance with coordination of physician and ancillary professional recruitment and credentialing;

(e) assistance with coordination of physician service scheduling; exhausting all efforts to have the physician coverage schedule completed in advance;

(f) advising with respect to medical and related issues including the scope of health care services, medical equipment and professional and support services;

(g) function as Infection Control Director for the Jail;

(h) function as Lab Medical Director for the Jail;

(i) assisting in the establishment, implementation, and completion of quality assurance and compliance protocols;

(j) regularly attending required meetings;

(k) participation in physician and ancillary professional training programs, including their design;

(l) providing such other services as are customarily furnished by a medical director;

(m) Attend other meetings as required;

EXHIBIT D

ADDITIONAL REQUIREMENTS MAY BE APPLICABLE RELATED TO THE CORONAVIRUS AID, RELIEF AND ECONOMIC SECURITY ACT (CARES) AND THE AMERICAN RESCUE PLAN ACT (ARPA) (C.F.D.A. 21.027) WHERE FUNDING MANDATES LEGAL COMPLIANCE:

1. **Use of Funds.**
   a. FHMC/RROP understands and agrees that the funds disbursed under this agreement may only be used in compliance with section 603(c) of the Social Security Act (the Act), Treasury's regulations implementing that section, and guidance issued by Treasury regarding the foregoing.
   b. FHMC/RROP will determine prior to engaging in any project using this assistance that it has the institutional, managerial, and financial capability to ensure proper planning, management, and completion of such project.

2. **Intentionally Left Blank**

3. **Reporting.** FHMC/RROP agrees to comply with any reporting obligations established by Treasury as they relate to this award.

4. **Maintenance of and Access to Records**
   a. FHMC/RROP shall maintain records and financial documents sufficient to evidence compliance with section 603(c) of the Act, Treasury's regulations implementing that section, and guidance issued by Treasury regarding the foregoing.
   b. The Treasury Office of Inspector General and the Government Accountability Office, or their authorized representatives, shall have the right of access to records (electronic and otherwise) of FHMC/RROP in order to conduct audits or other investigations.
   c. Records shall be maintained by FHMC/RROP for a period of five (5) years after all funds have been expended or returned to the Treasury, whichever is later.

5. **Pre-award Costs.** Pre-award costs, as defined in 2 C.F.R. § 200.458, may not be paid with funding from this agreement.

6. **Administrative Costs.** FHMC/RROP may use funds provided under this award to cover both direct and indirect costs.

7. **Cost Sharing.** Cost sharing or matching funds are not required to be provided by the Recipient.

8. **Conflicts of Interest**. FHMC/RROP understands and agrees it must maintain a conflict of interest policy consistent with 2 C.F.R. § 200.318(c) and that such conflict of interest policy is applicable to each activity funded under this award. FHMC/RROP and subrecipients must disclose in writing to Treasury or the pass-through entity, as

appropriate, any potential conflict of interest affecting the awarded funds in accordance with 2 C.F.R. § 200.112.

9. **Compliance with Applicable Law and Regulations.**
   a. FHMC/RROP agrees to comply with the requirements of section 603 of the Act, regulations adopted by Treasury pursuant to section 603(f) of the Act, and guidance issued by Treasury regarding the foregoing. FHMC/RROP also agrees to comply with all other applicable federal statutes, regulations, and executive orders, and FHMC/RROP shall provide for such compliance by other parties in any agreements it enters into with other parties relating to this award.
   b. Federal regulations applicable to this award include, without limitation, the following:
      i. Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 2 C.F.R. Part 200, other than such provisions as Treasury may determine are inapplicable to this Award and subject to such exceptions as may be otherwise provided by Treasury. Subpart F – Audit Requirements of the Uniform Guidance, implementing the Single Audit Act, shall apply to this award.
      ii. Universal Identifier and System for Award Management (SAM), 2 C.F.R. Part 25, pursuant to which the award term set forth in Appendix A to 2 C.F.R. Part 25 is hereby incorporated by reference.
      iii. Reporting Subaward and Executive Compensation Information, 2 C.F.R. Part 170, pursuant to which the award term set forth in Appendix A to 2 C.F.R. Part 170 is hereby incorporated by reference.
      iv. OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement), 2 C.F.R. Part 180, including the requirement to include a term or condition in all lower tier covered transactions (contracts and subcontracts described in 2 C.F.R. Part 180, subpart B) that the award is subject to 2 C.F.R. Part 180 and Treasury's implementing regulation at 31 C.F.R. Part 19.
      v. FHMC/RROP Integrity and Performance Matters, pursuant to which the agreement term set forth in 2 C.F.R. Part 200, Appendix XII to Part 200 is hereby incorporated by reference.
      vi. Governmentwide Requirements for Drug-Free Workplace, 31 C.F.R. Part 20.
      vii. New Restrictions on Lobbying, 31 C.F.R. Part 21.
      viii. Uniform Relocation Assistance and Real Property Acquisitions Act of 1970 (42 U.S.C.§§ 4601-4655) and implementing regulations.
      ix. Generally applicable federal environmental laws and regulations.
   c. Statutes and regulations prohibiting discrimination applicable to this award include, without limitation, the following:
      i. Title VI of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d et seq.) and Treasury's implementing regulations at 31 C.F.R. Part 22, which prohibit discrimination on the basis of race, color, or national origin under programs or activities receiving federal financial assistance.
      ii. The Fair Housing Act, Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§ 3601 et seq.), which prohibits discrimination in housing on the basis of

race, color, religion, national origin, sex, familial status, or disability.

iii. Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of disability under any program or activity receiving federal financial assistance.

iv. The Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101 et seq.), and Treasury's implementing regulations at 31 C.F.R. Part 23, which prohibit discrimination on the basis of age in programs or activities receiving federal financial assistance; and

v. Title II of the Americans with Disabilities Act of 1990, as amended (42 U.S.C. §§ 12101 et seq.), which prohibits discrimination on the basis of disability under programs, activities, and services provided or made available by state and local governments or instrumentalities or agencies thereto.

10. **Remedial Actions.** In the event of FHMC/RROP's noncompliance with section 603 of the Act, other applicable laws, Treasury's implementing regulations, guidance, or any reporting or other program requirements, Treasury may impose additional conditions on the receipt of a subsequent tranche of future award funds, if any, or take other available remedies as set forth in 2 C.F.R. § 200.339. In the case of a violation of section 603(c) of the Act regarding the use of funds, previous payments shall be subject to recoupment as provided in section 603(e) of the Act.

11. **Hatch Act.** FHMC/RROP agrees to comply, as applicable, with requirements of the Hatch Act (5 U.S.C. §§ 1501-1508 and 7324-7328), which limit certain political activities of State or local government employees whose principal employment is in connection with an activity financed in whole or in part by this federal assistance.

12. **False Statements.** FHMC/RROP understands that making false statements or claims in connection with this award is a violation of federal law and may result in criminal, civil, or administrative sanctions, including fines, imprisonment, civil damages and penalties, debarment from participating in federal awards or contracts, and/or any other remedy available by law.

13. **Publications.** Any publications produced with funds from this agreement must display the following language: "This project [is being] [was] supported, in whole or in part, by federal award number [enter project FAIN] awarded to [name of Recipient] by the U.S. Department of the Treasury."

14. **Debts Owed the Federal Government.**
    a. Any funds paid to FHMC/RROP (1) in excess of the amount to which FHMC/RROP is finally determined to be authorized to retain under the terms of this award; (2) that are determined by the Treasury Office of Inspector General to have been misused; or (3) that are determined by Treasury to be subject to a repayment obligation pursuant to section 603(e) of the Act and have not been repaid by FHMC/RROP shall constitute a debt to the federal government.

b. Any debts determined to be owed the federal government must be paid promptly by Recipient. A debt is delinquent if it has not been paid by the date specified in Treasury's initial written demand for payment, unless other satisfactory arrangements have been made or if the FHMC/RROP knowingly or improperly retains funds that are a debt as defined in paragraph 14(a). Treasury will take any actions available to it to collect such a debt.

15. **Disclaimer.**
    a. The United States expressly disclaims any and all responsibility or liability to FHMC/RROP or third persons for the actions of FHMC/RROP or third persons resulting in death, bodily injury, property damages, or any other losses resulting in any way from the performance of this award or any other losses resulting in any way from the performance of this award or any contract, or subcontract under this award.
    b. The acceptance of this award by FHMC/RROP does not in any way establish an agency relationship between the United States and Recipient.

16. **Protections for Whistleblowers.**
    a. In accordance with 41 U.S.C. § 4712, FHMC/RROP may not discharge, demote, or otherwise discriminate against an employee in reprisal for disclosing to any of the list of persons or entities provided below, information that the employee reasonably believes is evidence of gross mismanagement of a federal contract or grant, a gross waste of federal funds, an abuse of authority relating to a federal contract or grant, a substantial and specific danger to public health or safety, or a violation of law, rule, or regulation related to a federal contract (including the competition for or negotiation of a contract) or grant.
    b. The list of persons and entities referenced in the paragraph above includes the following:
        i. A member of Congress or a representative of a committee of Congress.
        ii. An Inspector General.
        iii. The Government Accountability Office.
        iv. A Treasury employee responsible for contract or grant oversight or management.
        v. An authorized official of the Department of Justice or other law enforcement agency.
        vi. A court or grand jury; or
        vii. A management official or other employee of Recipient, contractor, or subcontractor who has the responsibility to investigate, discover, or address misconduct.
    c. FHMC/RROP shall inform its employees in writing of the rights and remedies provided under this section, in the predominant native language of the workforce.

17. **Increasing Seat Belt Use in the United States.** Pursuant to Executive Order 13043, 62 FR 19217 (Apr. 18, 1997), FHMC/RROP should encourage its contractors to adopt and enforce on-the- job seat belt policies and programs for their employees when operating company-owned, rented or personally owned vehicles.

18. **Reducing Text Messaging While Driving**. Pursuant to Executive Order 13513, 74 FR 51225 (Oct. 6, 2009), FHMC/RROP should encourage its employees, subrecipients, and contractors to adopt and enforce policies that ban text messaging while driving, and FHMC/RROP should establish workplace safety policies to decrease accidents caused by distracted drivers.

19. **Clean Air Act and The Federal Water Pollution Control Act Compliance.** FHMC/RROP agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. and the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. and FHMC/RROP agrees to report each violation to the Customer and understands and agrees that the Customer will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office. If applicable, FHMC/RROP agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

20. **Suspension and Debarment.** (1) This Agreement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the FHMC/RROP is required to verify that none of the Vendor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

    (2) The FHMC/RROP must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

    (3) This certification is a material representation of fact relied upon by Customer. If it is later determined that the FHMC/RROP did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to Customer, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

    (4) The FHMC/RROP, bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any agreement that may arise from this offer. The FHMC/RROP, bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

21. **Recovered Materials.** (1) In the performance of this Agreement, the FHMC/RROP shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired— (a) Competitively within a timeframe providing for compliance with the contract performance schedule; (b) Meeting contract performance requirements; or (c) At a reasonable price.

    (2) Information about this requirement, along with the list of EPA-designated items, is available at EPA's Comprehensive Procurement Guidelines web site:

https://www.epa.gov/smm/comprehensive- procurement-guideline-cpg-program.

(3) The Vendor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act."

22. **Access to Records**. The following access to records requirements applies to this Agreement:

(1) The FHMC/RROP agrees to provide Customer, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Vendor which are directly pertinent to this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) The FHMC/RROP agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) The FHMC/RROP agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

(4) In compliance with the Disaster Recovery Act of 2018, the Customer and the FHMC/RROP acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

23. **Use of DHS Seals and Related Items.** The FHMC/RROP shall not use Department of Homeland Security ("DHS") seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

24. **Compliance with Federal Law and FEMA Rules.** This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion of the agreement. The FHMC/RROP will comply with all applicable Federal law, regulations, executive orders, FEMA policies, procedures, and directives.

25. **Compliance with Byrd Anti-Lobbying Act, 31 U.S.C. § 1352 (as amended).** Vendors who apply or bid for an award of $100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the Recipient who in turn will

forward the certification(s) to the awarding agency.

26. **No Federal Government Obligations.** The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, FHMC/RROP, or any other party pertaining to any matter resulting from this Agreement.

27. **False Claims Act Compliance and Program Fraud Prevention.** The FHMC/RROP acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the FHMC/RROP's actions pertaining to this Agreement.

Agenda Item #37 CC 9.24.24 Approval of Contract for Jail Inmate Medical and Psychological Services with Family Hospital Mangement Company (Barbi)

Final Audit Report 2024-09-30

Created:	2024-09-26
By:	Cheryl Johnson (cheryl.johnson@wilco.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAmhld_HqM4jbdxOu4SWoyHgezdEOKTfL6

"Agenda Item #37 CC 9.24.24 Approval of Contract for Jail Inmate Medical and Psychological Services with Family Hospital Management Company (Barbi)" History

Document created by Cheryl Johnson (cheryl.johnson@wilco.org)
2024-09-26 - 2:11:04 PM GMT- IP address: 173.219.39.210

Document emailed to Rebecca Pruitt (becky.pruitt@wilco.org) for delegation
2024-09-26 - 2:13:02 PM GMT

Email viewed by Rebecca Pruitt (becky.pruitt@wilco.org)
2024-09-26 - 2:22:43 PM GMT- IP address: 66.76.4.65

Document signing delegated to Valerie Covey (vcovey@wilco.org) by Rebecca Pruitt (becky.pruitt@wilco.org)
2024-09-26 - 2:22:57 PM GMT- IP address: 66.76.4.65

Document emailed to Valerie Covey (vcovey@wilco.org) for signature
2024-09-26 - 2:22:58 PM GMT

Email viewed by Valerie Covey (vcovey@wilco.org)
2024-09-30 - 7:56:48 PM GMT- IP address: 172.56.40.54

Document e-signed by Valerie Covey (vcovey@wilco.org)
Signature Date: 2024-09-30 - 7:58:17 PM GMT - Time Source: server- IP address: 74.193.121.96

Agreement completed.
2024-09-30 - 7:58:17 PM GMT

Powered by Adobe Acrobat Sign

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1317525

Date Filed:
05/30/2025

Date Acknowledged:
05/30/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

FAMILY HOSPITAL MANAGEMENT COMPANY LLC
CEDAR PARK, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

WILLIAMSON COUNTY

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

24RFS161
JAIL INMATE MEDICAL AND PSYCHOLOGICAL SERVICES

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
FAMILY HOSPITAL MANAGEMENT COMPANY LLC	CEDAR PARK, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
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05/30/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
FAMILY HOSPITAL MANAGEMENT COMPANY LLC
CEDAR PARK, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
WILLIAMSON COUNTY

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
24RFS161
JAIL INMATE MEDICAL AND PSYCHOLOGICAL SERVICES

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
FAMILY HOSPITAL MANAGEMENT COMPANY LLC	CEDAR PARK, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name [redacted]

My addre

I declare

Executed

Henry Higgins (May 30, 2025 15:12 CDT)
Signature of authorized agent of contracting business entity
(Declarant)

FORM 1295 24RFSQ61-combined

Final Audit Report 2025-05-30

Created:	2025-05-30
By:	paula kahla (pkahla@fhsmc.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHDRfNVnrHP7M8T6Rwg1Tc0n5RZSiDJen

"FORM 1295 24RFSQ61-combined" History

Document created by paula kahla (pkahla@fhsmc.com)
2025-05-30 - 3:42:43 PM GMT

Document emailed to hhiggins.cpec@gmail.com for signature
2025-05-30 - 3:42:47 PM GMT

Email viewed by hhiggins.cpec@gmail.com
2025-05-30 - 8:12:08 PM GMT

Signer hhiggins.cpec@gmail.com entered name at signing as Henry Higgins
2025-05-30 - 8:12:29 PM GMT

Document e-signed by Henry Higgins (hhiggins.cpec@gmail.com)
Signature Date: 2025-05-30 - 8:12:31 PM GMT - Time Source: server

Agreement completed.
2025-05-30 - 8:12:31 PM GMT

Commissioners Court - Regular Session **39.**

Meeting Date: 06/10/2025

Approval of a Second Amendment to contract #T1289 with Texas Landscape & Irrigation Co. to include the new West Arena at Expo for the Parks Department

Submitted For: Joy Simonton **Submitted By:** Cheryl Johnson, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action to authorize an Amendment to Contract #T1289 with Heart of Texas Landscape & Irrigation Co., to include landscaping services for an additional $5,294 per year for the new West Arena at the Expo Center under the existing service agreement during renewal period #3 for the term of September 30, 2025, through September 30, 2026, and authorizing the renewal amendment.

Background

The Parks Department has confirmed that the vendor meets all County requirements and requests the Amendment to include the West Arena in the current service agreement. The current contract is set to automatically renew on September 30, 2025, and expire on September 30, 2026. The West Arena is scheduled for completion after October 1, 2025, and the amendment would take effect upon its completion. The additional service will add $5,294 per year for a revised contract total, including all previous amendments, of $251,952, which remains within the 25% allowable increase threshold. Funding source 01.0100.0510.003541. Department points of contact: Russell Fishbeck and Emsud Horozovic.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Second Amendment

Original Agreement

1295 document

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Joy Simonton	06/03/2025 02:42 PM
County Judge Exec Asst.	Delia Colon	06/03/2025 03:15 PM
Form Started By: Cheryl Johnson		Started On: 05/29/2025 01:45 PM
Final Approval Date: 06/03/2025		

SECOND AMENDMENT TO
WILLIAMSON COUNTY SERVICE AGREEMENT
Heart of Texas Landscape & Irrigation Co.

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to the Texas Constitution, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS SECOND AMENDMENT TO WILLIAMSON COUNTY SERVICE AGREEMENT ("Second Amendment") is entered into as of the last party's execution hereof, by and between Williamson County, Texas ("County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and Heart of Texas Landscape & Irrigation Co. ("Service Provider"), both of which are referred to herein as the parties.

WHEREAS, the County and Service Provider entered into a Service Agreement, **RFP T1289 Parks Landscaping,** dated effective October 1, 2020 (the "Agreement"), setting forth the terms and conditions pursuant to which Service Provider agreed to provide certain services;

WHEREAS, the Parties desires to amend the Agreement to include an additional location to the scope of service.

NOW THEREFORE, the Parties agree that the Agreement is amended as follows:

AMENDMENT

I. Section 1.6. Landscape Specifications of the Agreement shall be amended to include the West Arena at the Williamson County Expo Center as described in the attached Proposal being marked as Exhibit A.

II. The additional location for landscaping is deemed to be in the public's interest and incorporated into the Agreement as follows:

Landscape of the West Arena at the Williamson County Expo Center by Service Provider in the amount of $5,294.00, per fiscal year. For purposes of this Second Amendment, the County's fiscal year shall be October 1st to September 30th.

III. Each party represents and warrants that it has due power and lawful authority to execute and deliver this Second Amendment and to perform its obligations under the Agreement; and, furthermore, the Agreement and this Second Amendment are the valid, binding, and enforceable obligations of such party.

IV. All other terms of the Agreement which have not been specifically amended herein shall remain the same and shall continue in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Second Amendment to be signed by their duly authorized representatives on behalf of such party, to be effective as of the date of the last party's execution hereof.

WILLIAMSON COUNTY, TEXAS

By: _____

Printed Name: _____

Title: _____

Date: _____

HEART OF TEXAS LANDSCAPE & IRRIGATION CO.

By: _____

Printed Name: Dustin Finch

Title: Account Manager

Date: 6/2/25

Approved as to Legal Form
HAL HAWES
General Counsel, Commissioners Court
Date: Jun 03 2025 Time: 8:41 am

Reviewed by Contract Audit
SARA GREER, CGAP
Contract Auditor
Williamson County Auditor's Office
Date: Jun 03 2025 Time: 6:40 am

HEART of TEXAS LANDSCAPE & IRRIGATION

www.hotlandscape.com

Williamson County Expo
New Arena

PROPOSAL

This proposal is based on 30 trips per year on the following schedule:

January	1	May	4	September	2
February	2	June	4	October	2
March	4	July	2	November	2
April	4	August	2	December	1

Each trip will include these services in the primary areas as applicable to your property: (1) Pick up litter on areas to be mowed; (2) Mow primary lawn areas (3) Edge and weed eat all walks, curbs, and drives; may be chemically treated where not unsightly: and (4) blow or otherwise clean up debris caused by our work.

Periodic maintenance during the annual contract term will include the services and frequencies indicated:

[ ] Fertilize primary lawn area. Spring & Fall (2X) with materials formulated for best turf development

[x] Mow grass areas designated by client, 30 times.

[x] Shear shrubs and ground cover as needed.

[x] Weed and edge beds

[ ] Addendum Attachment "A" attached.

[ ] Irrigation Check - Quarterly

[ ] Winter Rye Grass

Budgetary Numbers Only

Annual Price: $5,294.00

Monthly Price: $441.17

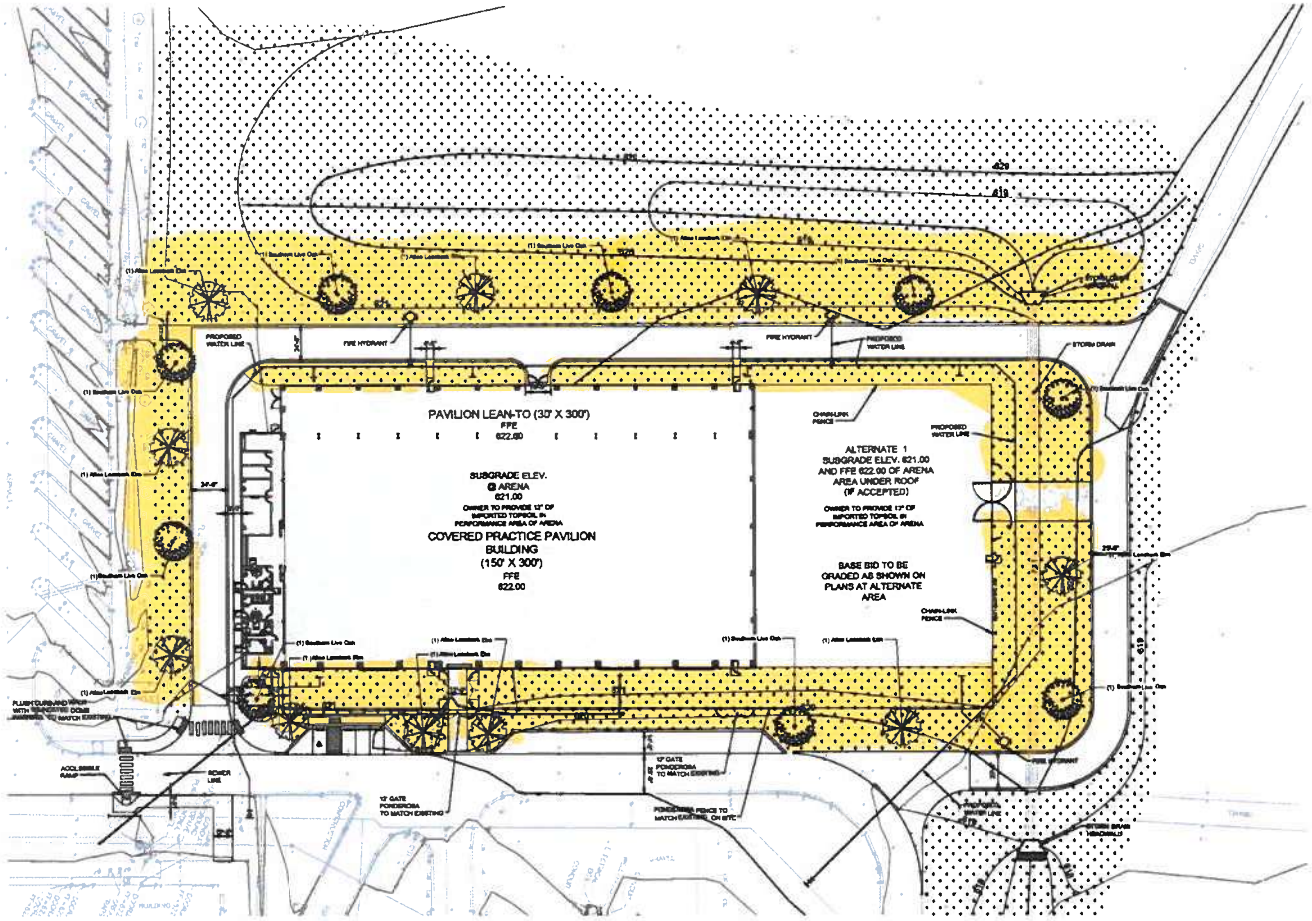
RV 3/4/19

PLANT SCHEDULE WEST ARENA

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	CALIPER
	QUE VIR	8	QUERCUS VIRGINIANA SOUTHERN LIVE OAK	65 GAL	13-14 FT	3"
	ULM ALL	16	ULMUS PARVIFOLIA 'ALLEE' TM ALLEE LACEBARK ELM	65 GAL	13-14 FT	3"

GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	CALIPER	SPACING
	CYN SAH	191,284 SF	CYNODON DACTYLON 'SAHARA' SAHARA BERMUDA GRASS	HYDROSEED			

EXISTING UTILITIES
CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.



A1 LANDSCAPE PLAN

Parkhill

THIS DOCUMENT IS RELEASED ON JULY 9, 2021 FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF J. BRANCH PRESSWAY, R.L.A., TEXAS LICENSE #2917. IT IS NOT TO BE USED FOR REGULATORY APPROVAL CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
PARKHILL, SMITH & COOPER, INC.

Parkhill.com

WILLIAMSON COUNTY EXPO CENTER
Williamson County

WILLIAMSON COUNTY
3350 Bill Pickett Trail
Taylor, Texas 76574

Landscape Plan West Arena

L-101

1. Proposal Package

23 (20 Mandatory Requirement) - 23/23

1.1. General Information

Group - 0 Questions - 0/0

GENERAL INFORMATION:

Williamson County is inviting interested parties to submit Proposals for Landscape Maintenance Services. All Proposals shall be submitted in accordance with this RFP. The RFP contains detailed and specific information regarding Williamson County's standards and expectations for Landscape Maintenance Services.

INITIAL CONTRACT TERM:

Two (2) Years

RENEWAL OPTIONS:

Four (4) - One (1) Year

1.2. Definitions

Group - 0 Questions - 0/0

Below are the definitions that will be used throughout the proposal.

Addendum/Addenda - means any written or graphic instruments issued by the County prior to the consideration of Proposals which modify or interpret the Proposal Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) - means the Successful Respondent may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the RFP and the Respondent's Proposal. Such Ensuing Agreement(s) shall contain the Proposal specifications, terms and conditions that are derived from the RFP.

Buyer - means the designated Williamson County Purchasing contact.

Contract - means this RFP and the Proposal of the Successful Respondent shall become a Contract between the Successful Respondent and the County once the Successful Respondent's Proposal is properly accepted by the Williamson County Commissioners Court (sometimes referred to herein as the Commissioner's Court").

Commissioner's Court - means the Williamson County Commissioners Court.

County - means Williamson County, a political subdivision of the State of Texas.

Executive Summary - means the document submitted by Respondent that represents a concise summary of the contents of the Proposal. It does not include any information concerning costs.

Proposal Documents - means the Legal Notice, RFP including attachments, and any Addenda issued by the County prior to the consideration of any Proposals.

Proposal - means the complete, properly signed document, and ALL required forms and documentation listed in the proposal package which have been submitted in accordance with this RFP package. A Proposal submitted in accordance with this RFP is irrevocable during the specified time period for evaluation and acceptance of Proposals, unless a waiver is obtained from the Williamson County Purchasing Agent.

Respondent - means a person or entity who submits a Proposal in response to this RFP.

Request for Proposals (RFP) - means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Respondent- means the responsible Respondent who, in the County's sole opinion, submits the Proposal which is in the best interest of the County, taking into account factors identified herein, and to whom the County intends to award the Contract.

1.3. Terms and Conditions

Group - 1 Questions - 1/1

VENUE AND GOVERNING LAW

The Respondent hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this RFP, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this RFP, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this RFP, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

INCORPORATION BY REFERENCE AND PRECEDENCE

The Contract shall be derived from the RFP and its Addenda (if applicable), and the Respondent's Proposal. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

-The RFP and its Addenda (if applicable); and
-The Respondent's Proposal

In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the RFP and its Addenda (if applicable), and the Respondent's Proposal, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

-The terms and conditions of the Ensuing Agreement;
-The RFP and its Addenda; and
-The Respondent's Proposal.

OWNERSHIP OF PROPOSAL

Each Proposal shall become the property of the County upon submittal and will not be returned to Respondents unless received after the submittal deadline.

DISQUALIFICATION OF RESPONDENT

Upon signing and submittal of the Proposal, a Respondent offering to sell supplies, materials, services, or equipment to the County, certifies that the Respondent has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Proposals may be rejected if the County believes that collusion exists among the Respondents.

FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Respondents understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Respondent may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Williamson County the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

IMPLIED REQUIREMENTS

Products or services not specifically described or required in the RFP, but are necessary to provide the functional capabilities described by the Respondent, shall be implied and deemed to be included in the Proposal.

TERMINATION

Termination for Cause: The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Respondent breaches any of the Proposal specifications, terms and conditions, including warranties of the Respondent, if any, or if the Successful Respondent becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise be provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

Termination for Convenience: The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Respondent. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without

cause, it is understood and agreed that only the amounts due to the Successful Respondent for goods, commodities and/or services provided, and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County's termination for convenience.

NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Respondent shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Respondent fails to meet pursuant to the requirements set out herein. In the event the Successful Respondent refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Respondent.

PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Respondent does not desire proprietary information in the Proposal to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Respondent, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Respondent.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this RFP or in the Respondent's Proposal is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

RIGHT TO AUDIT

The Successful Respondent agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Respondent, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Respondent agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Respondent reasonable advance notice of intended audits.

TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this RFP, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Respondent to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

PROPOSAL PREPARATION COSTS

The cost of developing Proposals is the sole responsibility of the Respondents and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Respondents for any expense incurred in preparing a Proposal in response to this RFP and the County will not reimburse the Respondents for such expenses.

INDEMNIFICATION

The Successful Respondent shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the

Respondent, its agents, servants or employees, performed hereunder that result from the negligent act, error, or omission of the Respondent or any of the Respondent's agents, servants or employees, as well as all claims of loss or damage to the Respondent's and the County's property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Respondent arising from any act of any third party, including, but not limited to, theft. The Successful Respondent further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Respondent's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Respondent shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15th) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Respondent in the defense of each matter. The Successful Respondent's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise. In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Respondent shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Respondent are not an issue in the matter.

The Successful Respondent's indemnification shall cover, and the Successful Respondent agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Respondent to perform the work described in this request. The provision by the Successful Respondent of insurance shall not limit the liability of the Successful Respondent under the Contract and/or any Ensuing Agreement(s).

WAIVER OF SUBROGATION

The Successful Respondent and the Successful Respondent's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Respondent's performance under this Contract and any Ensuing Agreement(s).

RELATIONSHIP OF THE PARTIES

The Successful Respondent shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Respondent as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Respondent shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Respondent's means, methods or details pertaining to the Successful Respondent's performance of the work. The County and the Successful Respondent hereby agree and declare that the Successful Respondent is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Respondent is not an employee of the County, and that the Successful Respondent and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

SOLE PROVIDER

The Successful Respondent agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

SEVERABILITY

If any provision of this RFP, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire RFP, Contract or any Ensuing Agreement(s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this RFP, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and

intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this RFP, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County:

Williamson County Purchasing Department
Attn: Purchasing Agent
100 Wilco Way, Suite P101 (**Suite number must be clearly marked**) Georgetown, Texas 78626

The Respondent:

Address set out in Respondent's Transmittal Letter

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

COMPLIANCE WITH LAWS

The County and the Successful Respondent shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Respondent shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified. INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this RFP, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Respondent at the end of its then-current fiscal year.

BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

ASSIGNMENT

The Successful Respondent's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

SAFETY

The Successful Respondent is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

GENERAL OBLIGATIONS AND RELIANCE

The Successful Respondent shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Respondent shall keep the County informed of the progress and quality of the services. The Successful Respondent agrees and acknowledges that the County is relying on the Successful Respondent's represented expertise and ability to provide the goods and/or services described herein. The Successful Respondent agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County in accordance with the County's requirements and procedures. Th e Successful Respondent's duties, as set forth herein, shall at no time be in any way diminished by reason of any approval by the County, nor shall the Successful Respondent be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Respondent's skill and knowledge in performing the services and providing any goods required hereunder.

CONTRACTUAL DEVELOPMENT

The Commissioners Court may award the Contract on the basis of the initial Proposals received, without any further or additional discussions. Therefore, each initial Proposal should contain the Respondent's best terms and offer. The contents of the RFP and the selected Proposal will become an integral part of the Contract, but may be modified, at Williamson County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Respondent must agree to inclusion in an Ensuing Agreement of the Proposal specifications, terms and conditions of this RFP. Williamson County may, at its discretion, opt to conduct further discussions with responsible offerors and request the highest ranked firm's Best and Final Offer (BAFO).

ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Respondent and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Respondent and the County.

SURVIVABILITY

All applicable agreements that were entered into between the Successful Respondent and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Respondent no later than ten (10) calendar days of the Contract expiration, this clause for emergency cases only.

PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

1. The date the County receives the goods under the Contract;
2. The date the performance of the service under the Contract is completed; or
3. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025.

More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Respondent, the County shall notify the Successful Respondent of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Respondent, the Successful Respondent shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Respondent beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Respondent shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

1. Name, address, and telephone number of the Successful Respondent and similar information in the event the payment is to be made to a different address.

1. The County Contract, Purchase Order.

1. Identification of items or service as outlined in the Contract.

1. Quantity or quantities, applicable unit prices, total prices and total amount.

1. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org Phone: 512-943-1500

CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The RFP and the Respondent's Proposal, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Respondent and the County. The Successful Respondent may be required by Williamson County to sign an additional agreement containing terms necessary to ensure compliance with the RFP and Respondent's proposal.

LEGAL LIABILITY INFORMATION

The Successful Respondent shall disclose all legal liability information by listing any pending litigation, civil or criminal, or anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. Furthermore the Respondent certifies to the best of its knowledge and belief that within the last five (5) years Respondent or Respondent Related Entities have not: a. been indicted or convicted of a crime involving moral turpitude or business honesty or integrity in any jurisdiction; b. been suspended, debarred or otherwise disqualified from entering into any contract with any governmental agency; c. had any business license or professional license suspended or revoked; d. had any sanction or finding of fact imposed as a result of a judicial or administrative proceeding related to fraud, extortion, bribery, bid rigging, embezzlement, misrepresentation or anti-trust; and e. been, and is not currently, the subject of a criminal investigation by any federal, state or local prosecuting or investigative agency and/or civil anti-trust investigation by any federal, state or local prosecuting or investigative agency. If Respondent cannot so certify to the above, then it must submit along with its proposal, proposal or contract a written explanation of why such certification cannot be made. The Commissioner's Court will determine whether a contract may be entered into with the Respondent. The Respondent's obligation pursuant to this certification is ongoing from and after the effective date of the contract through the termination date thereof. Accordingly, the Respondent shall have an obligation to immediately notify the Purchasing Department in writing if at any time during the term of the contract if becomes aware of any event which would cause the Respondent's certification or explanation to change. Respondent acknowledges that the Commissioner's Court may, in its sole discretion, terminate the contract for cause if it learns that any of the certifications made herein are currently false due to intervening factual circumstances or were false or should have been known to be false when entering into the contract. The County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Commissioners Court.

CONFIDENTIALITY

Respondent expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a

governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Proposal submission deadline, the Proposal closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Respondents interested in the project to extend the deadline. It will be the responsibility of the Respondent to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

AIR QUALITY

In determining the overall best Proposal, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Proposals and give preference to goods and/or services of a Respondent that demonstrates that the Respondent meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Proposal being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Respondent is encouraged to provide information in narrative indicating the anticipated air quality impact. All Respondents are expected to meet all mandated state and federal air quality standards.

COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this RFP, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this RFP is subject to a properly authorized Purchasing Cooperative Inter-local Agreement (ILA) with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

CONFIDENTIALITY

The Respondent expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

1.3.1. **ACKOWLEDGEMENT**
Vendor has read above, understands and agrees with these statements.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.4. Instructions and General Requirements

Group - 1 Questions - 1/1

AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS RFP

If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in this RFP, the Respondent shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Respondent fails to notify the County prior to the date and time fixed for submission of Proposals of an error or ambiguity in the RFP known to the Respondent, or an error or ambiguity that reasonably should have been known to the Respondent, then the Respondent shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the RFP, no later than forty-eight (48) hours prior to the date and time fixed for submission of Proposals, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

AUTHORIZATION OF RESPONDENT

Respondent shall be an individual who is authorized to bind the proposal contractually.

1. If the Respondent is a Corporation or Limited Liability Company, the legal name of the Corporation or Limited Liability Company shall be provided.
2. If the Respondent is a General Partnership, the true name of the firm shall be provided.
3. If the Respondent is a Limited Partnership, the name of the Limited Partner's General Partner shall be provided.
4. If the Respondent is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall be provided.
5. If response is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney or equivalent document must be submitted to the Williamson County Purchasing Department.

ASSUMED BUSINESS NAME

If the Respondent operates business under an Assumed Business Name, the Respondent must have on file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same prior to contract award.

ECONOMY OF PRESENTATION

Proposals should not contain promotional or display materials, except as they may directly answer in whole or in part questions contained in the RFP. Such exhibits shall be clearly marked with the applicable reference number of the question in the RFP. Proposals must address the technical requirements as specified in the RFP. All questions posed by the RFP must be answered concisely and clearly. Proposals that do not address each criterion may be, at the sole discretion of the County, rejected and not considered.

REJECTION OR ACCEPTANCE

It is understood that the Commissioners Court of Williamson county, Texas, reserves the right to accept or reject any and/or all proposals for any or all materials and/or services covered in the RFP, and to waive informalities or defects in the proposal or to accept such proposal it shall deem to be in the best interest of Williamson County.

Results may be obtained by viewing the Williamson County vendor portal at the following link:

www.wilco.org/departments/purchasing

PROPOSAL OBLIGATION

The contents of the RFP, Proposal, and any clarification thereof submitted by the Successful Respondent shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

COMPLIANCE WITH RFP SPECIFICATIONS

It is intended that this RFP describe the requirements and the Proposal format in sufficient detail to secure comparable Proposal. Failure to comply with all provisions of the RFP may, at the sole discretion of the County, result in disqualification.

EVALUATION

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the RFP process) that might affect the County's judgment as to the appropriateness of an award to the best evaluated Respondent. This information may be appended to the Proposal evaluation process results. Information on a Respondent from reliable sources, and not within the Respondent's Proposal, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source. The County reserves the right to conduct written and/or oral discussions/interviews after the Proposal opening. The purpose of such discussions/interviews is to provide clarification and/or additional information to make an award that is in the best interest of the County.

WITHDRAWAL OF PROPOSAL

The Respondent may withdraw its Proposal electronically. If submitted via hard-copy proposal may be withdrawn by submitting a written request with the company letterhead and the signature of an authorized individual to the Williamson County Purchasing Department any time prior to the submission deadline.

The Respondent may submit a new Proposal prior to the deadline. Alterations of the Proposal in any manner will not be considered if submitted after the deadline. Withdrawal of a Proposal after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

RESPONSIBILITY

It is expected that a Respondent will be able to affirmatively demonstrate responsibility. A prospective Respondent should be able to meet the following requirements:

1. Have adequate financial resources, or the ability to obtain such resources as required;
2. Be able to comply with the required or proposed delivery schedule;
3. Have a satisfactory record of performance that can be determined thru references provided; and
4. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Respondent's ability to meet these minimum standards listed above.

PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Respondent for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

SILENCE OF SPECIFICATIONS

The apparent silence of any RFP specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

SUBMITTAL DEADLINE

The Proposal is due no later than the submittal date and time set forth in this RFP. Contents of each Proposal shall be submitted in accordance with this RFP. Proposals submitted after the stated deadline will not be considered for award.

ETHICS

The Respondent shall not accept or offer gifts or anything of value, nor enter into any business arrangement with any employee, official or agent of the County.

PROPOSAL SUBMITTAL

It is preferred that Proposals be submitted electronically through Negometrix; however, Respondents may submit a hard-copy (if preferred). Please be aware that submitting proposals electronically is a convenience to the Respondent. **Williamson County takes no responsibility for any third-party system interruption potentially causing late delivery of Respondent's submittal.**

If mailed or delivered in person, Proposal and Proposal Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in this RFP, to:

Williamson County Purchasing Department
Attn: **Proposal Name and Number**
100 Wilco Way, Suite P101
Georgetown, Texas 78626

Suite Number must be clearly marked on the envelope to ensure delivery to the proper mailbox. Also, all Respondents should list their Name and Address, and the Date of the Proposal opening on the outside of the box or envelope and note "Sealed Proposal Enclosed." Williamson County will not accept any Proposals after the submittal deadline, and shall return such Proposals unopened to the Respondent. The County will not accept any responsibility for Proposals being delivered by third party carriers.

Proposals will be opened publicly in a manner to avoid public disclosure of contents. Only names of Respondents will be read aloud and no pricing will be announced at the opening.

EX PARTE COMMUNICATION

Please note that to ensure the proper and fair evaluation of a response to a solicitation, the County prohibits ex parte communication (e.g., unsolicited) initiated by the Respondent to any Elected Official/Department Head, County Employee or Committee Member evaluating or considering the responses prior to the time a formal decision has been made. Questions and other communication from vendors will be permissible by the means established in the solicitation until the day and time specified as the deadline for questions. Any communication between Respondent and the County after the deadline for questions will be initiated by the appropriate County Official or Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the response. Ex parte communication may be grounds for disqualifying the offending Respondent from consideration or award of the solicitation then

in evaluation. If a Respondent violates these provisions more than once in a three (3) year period, the Purchasing Officer may debar the Respondent from the sale of goods or services to the County for a period not to exceed three (3) years.

1.4.1. **ACKOWLEDGEMENT**
Vendor has read above, understands and agrees with these statements.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.5. Additional Stipulations

Group - 1 Questions - 1/1

Evaluation/Selection Criteria

All Proposals received by the designated date and time will be evaluated based on the Respondent's Proposal. Other information may be taken into consideration when that information potentially provides an additional benefit to the County, and further helps the County in receiving the services listed in the RFP.

Respondents' Proposals must meet all mandatory (minimum) requirements in order to be scored. Scoring may also be based on total information gathered by the County at its discretion, including but not limited to respondent's ability to perform "without delay or interference, character, responsibility, integrity, and experience or demonstrated capability; quality of prior work; compliance with laws; and noncompliance with requirements as to submission of relevant information."

Evaluation Committee and Selection Process

All Proposals will be evaluated by a County appointed Evaluation Committee. The Evaluation Committee may be composed of County Staff that may have expertise, knowledge or experience with the services and/or goods being procured hereunder. Those Respondents meeting all requirements and deemed most qualified may receive further evaluation via telephone or in-person interviews with members of the Evaluation Committee. The County will select a Respondent determined best and most responsible Respondent meeting minimum specifications and qualifications.

Respondents are advised that the Evaluation Committee, at its option, may recommend an award strictly on the basis of the initial RFP responses, or in addition, may have interviews with firms to determine its final recommendation. The Evaluation Committee will present its recommendation to the Williamson County Commissioners' Court for approval and award of contract.

Finalist shall be determined by the Respondent receiving the most points in relation to the following Evaluation Criteria. Additional scoring may be conducted based upon Respondent's presentation during the interview process and may or may not include previous scores from Respondent's Proposal.

Mandatory Criteria

Any criteria identified as Mandatory shall be required in order to be considered for scoring.

Graded Evaluation Factors

The Evaluation Criteria stated in this RFP will be used to determine how well a Respondent(s) meet(s) the desired performance.

Williamson County will conduct a comprehensive, fair and impartial of evaluation of all proposals received in response to this RFP. Each proposal will be analyzed to determine overall responsiveness and qualifications under the RFP. Williamson county may select some of the respondent proposals for finalist presentations. Criteria to be evaluated will include but are not limited to the items listed below:

Interviews

Interview scoring (if applicable) will be provided along with invitation to interview candidates. Best and Final Offer may be requested from any Respondents scheduled for interviews.

Additional Evaluation Information

It is the responsibility of the Respondent to provide sufficient information/data in a convincing manner to the County to assure all of the terms, conditions and expectations for satisfactory performance of the services requested herein will be met.

All contact during the evaluation phase shall be through the Williamson County Purchasing Department only. The Respondent shall neither contact nor lobby evaluators during the evaluation process. Attempts by the Respondent to contact and/or influence members of the Evaluation Committee may result in disqualification of Proposal.

Technical Contact

The person identified as Williamson County's Technical Contact will have designated responsibility to ensure compliance with the requirements of the Contract and any ensuing agreement, such as but not limited to, acceptance, inspection and delivery, together with the Purchasing Department. The Technical Contact, together with the Purchasing Department, will serve as liaison between Williamson County Commissioners Court and the Successful Respondent.

Initial Contract Term

The Successful Respondent shall provide the goods and/or services for the initial term as described in the RFP description.

Contract Extensions

At the end of the Initial Contract Term, the Commissioners Court reserves the right to extend the Initial Contract Term, by mutual agreement of both parties, as it deems to be in the best interest of the County. The extension may be negotiated if renewal indications are provided within the County's timeframe which reflect renewal terms for the forthcoming policy year that are deemed by the County to be competitive with current market conditions. However, the County may terminate the contract at any time if funds are restricted, withdrawn, not approved, or if service is unsatisfactory. Any extension will be as described in the RFP description. The extension of the contract is contingent on the appropriation of necessary funds by the Commissioners Court for the fiscal year in question. Upon the failure of the Commissioners Court to so appropriate in any year, the Respondent may elect to terminate the contract, with no additional liability to the County. The County and the Respondent agree that termination shall be the Respondent's sole remedy under this circumstance.

Insurance Requirements

By signing its Bid, the Respondent agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Respondent 's cost, insurance in accordance with this provision. Respondent will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following
Location and should include the RFP number and description:

Williamson County Purchasing Department
100 Wilco Way, Ste P101 **(Suite must be clearly marked)**
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Respondent and County.

Successful **Respondent must comply with the following insurance requirements at all times during this Contract:**

A. **Coverage Limits.** Except as specified otherwise in the Contract and any ensuing Agreement(s), Successful Respondent, at Successful Respondent's sole cost, shall purchase and maintain during the entire term while the Contract and any ensuing Agreement(s)is in effect the following insurance:

1. Worker's Compensation in accordance with statutory requirements.
2. Commercial General Liability Insurance with a combined minimum Bodily Injury and Property Damage limits of $1,000,000.00 per occurrence and $2,000,000.00 in the aggregate.
3. Automobile Liability Insurance for all owned, non-owned, and hired vehicles with combined minimum limits for Bodily Injury and Property Damage limits of $500,000.00 per occurrence and $1,000,000.00 in the aggregate.
4. Professional Liability Errors and Omissions Insurance in the amount of $2,000,000.00 per claim.

B. **Additional Insureds; Waiver of Subrogation.** County, its directors, officers and employees shall be added as additional insureds under policies listed under (2) and (3) above, and on those policies where County, its directors, officers and employees are additional insureds, such insurance shall be primary and any insurance maintained by County shall be excess and not contribute with it. Such policies shall also include waivers of subrogation in favor of County.

C. **Premiums and Deductible.** Successful Respondent shall be responsible for payment of premiums for all of the insurance

coverages required under this section. Successful Respondent further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Successful Respondent is responsible, Successful Respondent shall be solely responsible for all deductibles and self-insured retentions. Except as specified otherwise in the Contract and any ensuing Agreement(s), any deductibles or self-insured retentions **over $50,000** in the Successful Respondent's insurance must be declared and approved in writing by County in advance.

D. **Commencement of Work.** Successful Respondent shall not commence any field work under this Contract until he/she/it has obtained all required insurance and such insurance has been approved by County. As further set out below, Successful Respondent shall not allow any subcontractor/subconsultant(s) to commence work to be performed in connection with this Contract until all required insurance has been obtained and approved and such approval shall not be unreasonably withheld. Approval of the insurance by County shall not relieve or decrease the liability of Successful Respondent hereunder.

E. **Insurance Company Rating**. The required insurance must be written by a company approved to do business in the State or Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued.

F. **Certification of Coverage.** Successful Respondent shall furnish County with a certification of coverage issued by the insurer. Successful Respondent shall not cause any insurance to be canceled nor permit any insurance to lapse. **In addition to any other notification requires set forth hereunder, Successful Respondent shall also notify County, within twenty-four (24) hours of receipt, of any notices of expiration, cancellation, non-renewal, or material change in coverage it receives from its insurer.**

G. **No Arbitration**. It is the intention of the County and agreed to and hereby acknowledged by the Successful Respondent, that no provision of this Contract shall be construed to require the County to submit to mandatory arbitration in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder or as may be required by law or a court of law with jurisdiction over the provisions of this Contract.

H. **Subcontractor/Subconsultant's Insurance.** Without limiting any of the other obligations or liabilities of Successful Respondent, Successful Respondent shall require each subcontractor/subconsultant performing work under the Contractor and any ensuing Agreement(s) (to the extent a subcontractor/subconsultant is allowed by County) to maintain during the term of the Contract and any ensuing Agreement(s), at the subcontractor/subconsultant's own expense, the same stipulated minimum insurance required in this section above, including the required provisions and additional policy conditions as shown below in this section.
Successful Respondent shall obtain and monitor the certificates of insurance from each subcontractor/subconsultant in order to assure compliance with the insurance requirements. Successful Respondent must retain the certificates of insurance for the duration of the Contract and any ensuing Agreement(s) and shall have the responsibility of enforcing these insurance requirements among its subcontractor/subconsultants. County shall be entitled, upon request and without expense, to receive copies of these certificates of insurance.

I. **Insurance Policy Endorsements.** Each insurance policy shall include the following conditions by endorsement to the policy:

1. County shall be notified thirty (30) days prior to the expiration, cancellation, non-renewal or any material change in coverage, and such notice thereof shall be given to County by certified mail to:

Williamson County Purchasing Department
100 Wilco Way, Ste P101 **(Suite must be clearly marked)**
Georgetown, Texas 78626

2. The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by County, to any such future coverage, or to County's Self-Insured Retentions of whatever nature.

J. **Cost of Insurance.** The cost of all insurance required herein to be secured and maintained by Successful Respondent shall be borne solely by Successful Respondent, with certificates of insurance evidencing such minimum coverage in force to be filed with County.

1.5.1. **ACKOWLEDGEMENT**
Vendor has read above, understands and agrees with these statements.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.6. Landscape Specifications

Group - 1 Questions - 1/1

SCOPE OF WORK

The Landscape Maintenance Services shall be provided as deemed necessary to meet the requirements set out herein. The Successful Respondent shall provide Landscape Maintenance Services as described herein and shall provide all labor, material, and equipment. Successful Respondent's services shall provide clean, attractive, and safe areas for the locations described herein.

The schedule of work hours for accomplishment of the maintenance service shall not interfere with the normal work of County employees and be coordinated with Williamson County Parks and Recreation staff.

The Successful Respondent shall furnish and maintain all equipment necessary for the proper maintenance of each location. Successful Respondent shall provide an equipment inventory list to be submitted with the Proposal, identifying all equipment by age and condition to be used in the performance of the Contract. The County reserves the right to make inspection of equipment to be used in the performance of the Contract. Any equipment found to be in poor condition must be pulled from service and replaced at the Successful Respondent's expense.

Materials and supplies used by the Successful Respondent shall conform to the requirements listed herein. No material shall be used which will damage the turf, trees, shrubs, or fixtures. Where a specific product is specified there shall be no deviation without the express permission of the County, in which case samples of all materials proposed for use shall be submitted and approval thereof received before the material represented by the samples are used in the work to be performed. Upon request, the Successful Respondent shall submit a list of all materials to be used in providing the Landscape Maintenance Services. (The County may approve or disapprove any product prior to or during the term of the contract period.). All spent chemical and fertilizer containers shall be disposed of in an approved environmentally safe and acceptable manner.

The Successful Respondent shall comply with all county, state and federal regulations applicable to performing work within public thoroughfares and right-of-ways. The Successful Respondent shall be licensed to do business in the State of Texas and shall provide copy of License with Proposal.

DEFINITIONS

Inspector shall mean the County's Contract Administrator or his/her duly authorized representative who shall monitor the Successful Respondent's progress and work.

Trash and Litter shall mean any debris within the grounds such as paper, bottles, cans, limbs three (3) inches or smaller in diameter, rocks etc. which is not intended to be present as part of the landscape. Inclusive of the parks, medians and triangles, streets, sidewalks, curbs, hillsides, ditches, etc. Removal of debris will require sweeping of hard surface areas such as sidewalks and curbs.

Edging & Trimming shall refer to the proper cutting or removal, to include blowing, of all plant material immediately adjacent to or under park structures, trees, poles, tables, signs, fences, and shrub bed. Also includes removal of all plant material from expansion joints and any other cracks in curbs, sidewalks, driveways, and any other hard or concrete surface.

Shrub Beds shall mean any area purposefully planted in domestic or ornamental plant growth.

Foreign Growth shall include all weeds, thickets, and noxious plants.

FIELD AND PARK MAINTENANCE

Mowing and Trimming

- The Successful Respondent shall mow and trim all turf areas as indicated by work schedule, (**SEE SCHEDULE 1 – MOWING SCHEDULE FY 21 AND MOWING GRAPHIC**).
- The Successful Respondent shall remove all Trash and Litter from the entire area prior to initiating any mowing of the turf area.
- All game fields shall be mowed with a reel mower or an approved equal.
- All mowing equipment shall be equipped with sharp blades so as not to tear, but cleanly cut the blades of the grass.
- All grass on ball fields shall be cut at a height of one (1) inch.
- Grass in the general areas may be cut at a height of 2-3 inches.
- General turf areas shall be mowed once a week.
- All roadways, trails abutting general or native areas shall be mowed once a week with 48-60 inch width (Mower Path Width) adjacent to the roadway, parking area or trail.
- All park structures, trees, poles, tables, signs, fences, and Shrub Beds are to be trimmed. Special care should be given to trimming around small trees as not to inflict damage to the bark of the trees.
- All Trimming must be accomplished concurrently with mowing operations.
- Turf shall be cut in a professional manner varying mowing patterns.

- Any material discharged onto any paved surface such as streets, curb and gutters, parking lots, sidewalks, and/or onto adjacent properties shall be removed immediately prior to proceeding with mowing of other areas (all Trash and Litter removed shall be disposed of by the Successful Respondent to an off-site location).
- All plant growth in cracks, seams and joints of paved areas such as sidewalks curbs, medians, triangles, and driveways shall be cut down to the pavement surface during the completion of each mowing cycle. The use of herbicides to control such growth may be permitted, with prior written approval and in accordance with all federal, state and local regulations.

Shrub and Shrub Bed Maintenance

Successful Respondent will be responsible throughout the contract period to clean basins & berms, to manually remove all foreign growth from Shrub Beds, to fertilize shrubs & trees. Schedule 1 indicates all areas where services to be provided.

LOCATIONS

The attached park diagram indicates where work is to be performed (**SEE SCHEDULE 1)**. The Successful Respondent shall perform Landscape Maintenance Services to all areas depicted in
Schedule 1 in the frequency indicated in the **FY 21 Mowing/Service Frequencies by Location and Month Form** (**SEE SCHEDULE 1 - SEPARATE PDF –SCHEDULE FY 21 AND MOWING GRAPHIC**).

PERSONNEL

Successful Respondent's personnel shall carry identification at all times while on Williamson County property. Successful Respondent's personnel will show identification when asked by Williamson County employees or law enforcement officers.

The Successful Respondent must comply with all Immigration and Naturalization Laws as are currently in force on each potential employee. Employee or Subcontractors are to be registered with the United States Citizenship and Immigration Service. The Successful Respondent must provide a photocopy of the Alien Registration Card to Williamson County prior to any of its employees/subcontractors being permitted to work under this Contract on Williamson County property. The Successful Respondent must also inform Williamson County of all Immigration and Naturalization status changes and arrests of its employee/subcontractors working under this Contract on County property for the duration of the Contract. Employees and subcontractors are subject to background check at any time.

OMISSION

It is the intent of this specification to acquire complete Landscape Maintenance Services for the specified areas. Any services that have been omitted from this specification which are clearly necessary for complete Landscape Maintenance Services shall be considered a requirement, although not directly specified or called for in this specification.

CONTACT ON MOWING DAYS

The Successful Respondent must make contact with the assigned Inspector on the days that the Successful Respondent will be performing services under this Contract. Contact is for the purpose of discussing areas to be maintained, Successful Respondent's work schedule for the day, areas that need to be inspected for approval, possible rain postponements, and work orders that need to be signed. Failure to contact the assigned Inspector on a daily basis will constitute a breach of contract.

DAMAGE TO PROPERTY

Any property (trees, turf, irrigation heads, etc.) damaged by the Successful Respondent's actions shall be repaired, reimbursed, or subtracted from payment in an amount equal to the damage.

THE SUCCESSFUL RESPONDENT SHALL ACCEPT FULL RESPONSIBILITY FOR AND SHALL DEFEND, INDEMNIFY AND SAVE HARMLESS CLAIMS FOR ALL LOSS OR DAMAGE TO PROPERTY AND INJURY TO PERSONS RESULTING FROM THE NEGLIGENT EXECUTION OR PERFORMANCE OF THIS CONTRACT AS WELL AS FOR ANY CLAIMS MADE BY OR ON BEHALF OF SUCCESSFUL RESPONDENT'S AGENTS, SERVANTS, AND/OR EMPLOYEES ARISING OUT OF THEIR EMPLOYMENT OR WORK PERTAINING TO THE OPERATION.

Mowing Schedule

The attached spreadsheet indicates planned mowing schedules (See Schedule 1).

NOTE: The Contract Administrator or Inspector has the authority to cancel or alter the scheduled mowing cycle on a week-to-week basis. The cancellation will be based upon need, prevailing weather conditions, and available funding. **(SEE SCHEDULE 1 – MOWING SCHEDULE FY 21 AND MOWING GRAPHIC).**

ACCEPTABILITY OF WORK

The Inspector shall be the undisputed judge of the acceptability of all work performed. If conditions are not acceptable, the Successful Respondent will be requested to visit the facility and review and correct all problem areas immediately. Please note attached LANDSCAPING MAINTENANCE INSPECTION CHECK SHEET – Appendix C as an example of requirements.

SUCCESSFUL RESPONDENT'S REPRESENTATIVE

Successful Respondent shall designate and notify the Inspector of the name of its responsible representative or representatives who will be accessible during the Successful Respondent's opening hours.

Additional Contract Requirements

Safety. The safety of workers, passersby, and the public shall be paramount. Successful Respondent agrees to perform all work outlined in such a manner as to meet all accepted standards for safe practices during the maintenance operation and to safely maintain equipment, machines, and materials or other hazards consequential or related to the work; and agrees additionally to accept the sole responsibility for complying with all local, County, State, or other legal requirements including, but not limited to, full compliance with the terms of the applicable OSHA safety orders at all times so as to protect all persons, including Successful Respondent's employees, agents of the County, vendors, members or the public or others from foreseeable injury and/or damage to their property. Successful Respondent shall inspect all potential hazards with service area landscape and keep a log indicating date inspected and action taken. The County shall be notified immediately of any unsafe condition that requires major correction. Successful Respondent shall be responsible for making minor corrections including, but not limited to, filling holes in turf areas, using barricades or traffic cones to alert public of the existence of hazards, replacing valve box covers, and securing the area so as to protect members of the public or others from injury. All equipment will be properly maintained and kept in a safe operating condition.

Successful Respondent shall not interfere with the public use of the premises and shall conduct its operations as to offer the least possible obstruction and inconvenience to the public or disruption to the peace and quiet of the area within which services are performed.

Successful Respondent vehicles shall be properly marked on outside identifying the company logo, etc. any time a site visit is made.

THE SUCCESSFUL RESPONDENT SHALL ACCEPT FULL RESPONSIBILITY FOR AND SHALL DEFEND, INDEMNIFY AND SAVE HARMLESS CLAIMS FOR ALL LOSS OR DAMAGE TO PROPERTY AND INJURY TO PERSONS RESULTING FROM THE NEGLIGENT EXECUTION OR PERFORMANCE OF THIS CONTRACT AS WELL AS FOR ANY CLAIMS MADE BY OR ON BEHALF OF SUCCESSFUL RESPONDENT'S AGENTS, SERVANTS, AND/OR EMPLOYEES ARISING OUT OF THEIR EMPLOYMENT OR WORK PERTAINING TO THE OPERATION.

The Successful Respondent shall make minor repairs or replace any irrigation equipment damaged due to Successful Respondent negligence.
Successful Respondent shall replace at Successful Respondent's expense any plant material that dies due to damage by lawn maintenance, equipment of Successful Respondent's negligence. Replace any damaged plants due to Successful Respondent's negligence, with same type and size. Correct defective work or damages to any part of the grounds, when caused by the Successful Respondent's employees, equipment or supplies.

For auditing purposes, Successful Respondent may be asked to give break out of costs for a specific property or properties.

Smoking shall not be permitted in any Williamson County Facility or on Williamson County grounds as they are TOBACCO-FREE campuses.

The Successful Respondent may be issued necessary gate access key(s). In no case shall the Successful Respondent make duplicates of any Williamson County keys.

The Successful Respondent and his/her/its employees shall ensure that all gates giving access to Williamson County facilities are secured. Failure to properly secure Wilco facilities may result in a reduction of payment and/or collection of damages as specified in the Contract.

1.6.1. **ACKOWLEDGEMENT**
Vendor has read above, understands and agrees with these statements.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.7. Transmittal

Group - 9 Questions - 9/9

1.7.1. Information of individual or business entity submitting the Proposal

Group - 4 Questions - 4/4

1.7.1.1. Name of Individual or Business Entity
Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas Landscape and Irrigation CO

1.7.1.2. Address of Individual or Business Entity
Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

PO Box 1236 Belton Texas 76513

1.7.1.3. Type of Business Entity
i.e., Corporation, General Partnership, Limited Partnership, LLC, etc.
Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

INC

1.7.1.4. Place of incorporation or organization
Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Belton, Texas

1.7.2. Name and location of major offices and other facilities that relate to the Respondent's performance under the terms of this RFP.
Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas Landscape and Irrigation Co
6363 FM 439
Belton, Tx 76513

1.7.3. Information of the Respondent's principal contact person regarding all contractual matters relating to this RFP.

Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Dustin Finch
Account Manager
254-931-3520
dustin@hotlandscape.com

1.7.4. The Respondent commits to provide the services required by the County.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.7.5. The Respondent agrees that the Proposal is valid for the time specified in this RFP. Any Proposal containing a term of less than the required amount, may at the County's sole discretion, be rejected as non-responsive.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.7.6. If the Proposal being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Respondent is encouraged to provide information in narrative indicating the anticipated air quality impact.

Open text response

Heart of Texas Landscape and Irrigation Co.:

NA

1.8. Executive Summary

Group - 3 Questions - 3/3

1.8.1. Identify any goods and/or services that are provided beyond those specifically requested. If the Respondent is providing services and/or goods that do not meet the specific requirements of this RFP, but in the opinion of the Respondent are equivalent or superior to those specifically requested, any such differences should be noted in the Executive Summary. However, the Respondent must realize that failure to provide the goods and/or services specifically required, at the County's sole discretion, may result in disqualification of the Proposal.

Open text response

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas Landscape is capable of providing all services requested in this proposal. On top of those specified, we also offer full irrigation, tree trimming, aerification, fertilization, and pest control services.

1.8.2. Indicate why the Respondent believes that it is the most qualified Respondent to provide the services described in this RFP. The Successful Respondent must demonstrate extensive experience and understanding of the intent of this project. The Respondent should describe in detail the current and historical experience the Respondent and its subcontractors have that would be relevant to completing the project.

Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas has been maintaining the landscape for Williamson County parks for well over a decade. We understand, and are able to meet, the needs and expectations of the County. We know the schedule that needs to be followed to create as little interference with the County's operations, and the activities of park visitors as possible. We are already staffed and have all the necessary equipment needed to perform the task required to maintain the parks. In addtion to Williamson County, we also maintain the parks for several other clients in the area including the cities of Georgetown, Taylor, and Temple. Our crews are trained in the most efficient ways to maintain park landscapes to the highest standards.

1.8.3. Briefly state why the Respondent believes its proposed goods and/or services best meet the County's needs and RFP requirements, and the Respondent also should concisely describe any additional features, aspects, or advantages of its goods and/or services in any relevant area not covered elsewhere in its Proposal.

Open text response Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas is able to best meet the County's needs as we are already staffed and equipped to meet or exceed all requirements. We also have the ability to provide any and all landscape services that the County might require as it pertains to the parks landscaping.

1.9. Required Forms

Group - 7 Questions - 7/7

1.9.1. Conflict of Interest

Group - 1 Questions - 1/1

1.9.1.1. No public official shall have interest in a contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Respondents are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/Departments/Purchasing/Confli.....

Each Respondent must disclose any existing or potential conflict of interest relative to the performance of the requirements of this RFP. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Respondent, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this RFP.** Similarly, any personal or business relationship between the Respondent, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Proposal disqualification.

By submitting a Proposal in response to this RFP, all Respondents affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Please download the Conflict of Interest Statement, fill it out, and upload (if submitting in hard-copy format, this form must be included with your response).

Document upload Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

CIQ(45955).pdf

1.9.2. Proposal Affidavit

Group - 3 Questions - 3/3

1.9.2.1. **CERTIFICATION**

The undersigned certifies that the RFP and the Respondent's Proposal have been carefully reviewed and are submitted as correct and final. Respondent further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Proposal, and upon the conditions contained in the RFP.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.9.2.2. **NON-COLLUSION**

I hereby certify that the foregoing Proposal has not been prepared in collusion with any other Respondent or other person or persons engaged in the same line of business prior to the official opening of this Proposal. Further, I certify that the Respondent is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Proposal on, or to influence any person or persons to submit a Proposal or not to submit a Proposal thereon.

Yes/No response Mandatory Requirement

- **Yes**
- **No**
  MR missed

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.9.2.3. **COOPERATIVE PURCHASING PROGRAM**

Please select Yes or No. By selecting **Yes** the Respondent is agreeing to offer the quoted prices to all authorized entities during the term of the County's contract. By selecting **No** the Respondent is stating they will not offer the quoted prices to all authorized entities. A non-affirmative Proposal will in no way have a negative impact on the County's evaluation of the Proposal.

Yes/No response

- **Yes**
- **No**

Heart of Texas Landscape and Irrigation Co.:

- Yes

1.9.3. References

Group - 3 Questions - 3/3

1.9.3.1. Please submit a **MINIMUM** of 3 references.

Reference must include the following:

- Company Name
- Contact Person
- Phone Number
- Email Address
- Description of goods provided/services performed

Do not include Williamson County or any Williamson County employees as references.

Document upload Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Heart of Texas Landscape and Irrigat..(45956).docx

1.9.3.2. **SIMILAR CONTRACTS**

Respondents shall furnish a list of contracts where similar responsibilities and goods and/or services have been required and/or performed for the past five (5) years, to include names, titles, phone numbers and email addresses of reference contacts, contract numbers and dates of performance.

Document upload Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Similiar Contracts(45957).docx

1.9.3.3. **CANCELLED OR TERMINATED CONTRACTS**

Respondents shall include a list of any contracts that have been cancelled or terminated within the last five (5) years, along with an explanation of the cancellation and the names, email address and phone number of a reference person with that institution.

Document upload Mandatory Requirement

Heart of Texas Landscape and Irrigation Co.:

Canceled(45958).docx

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1318500

Date Filed:
06/02/2025

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Heart of Texas Landscape and Irrigation
Belton, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

NA
Parks Landscape Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

[redacted]

Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2025-1318500

Date Filed:
06/02/2025

Date Acknowledged:
06/03/2025

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Heart of Texas Landscape and Irrigation
Belton, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

NA
Parks Landscape Services

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party. [X]

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20_____.
(month) (year)

_____
Signature of authorized agent of contracting business entity
(Declarant)

Commissioners Court - Regular Session **40.**

Meeting Date: 06/10/2025

CJC North Roof Replacement - RYCARS_CO2

Submitted For: Dale Butler **Submitted By:** Christy Matoska, Facilities Managemen

Department: Facilities Management

Agenda Category: Regular Agenda Items

Information

Agenda Item

Receive and acknowledge approval of Change Order No.2 from RYCARS Construction LLC. For the Justice Center North Roof Replacement in the amount of $6,394.00, and to extend time for completion of the roof replacement, which was approved by Williamson County Project Manager, Thomas Crockett, pursuant to the Commissioners Court's prior delegation of change order approval authority pursuant to Loc. Gov't Code Sec. 262.031.

Background

The Change Order No. 2 is made to compensate the contractor, RYCARS Construction LLC, in the amount of $6,394.00 to install retrofits in place of existing overflows on Side A of the roof due to the primary and overflow being at the same height. This Change Order results in a net increase of $6,394. The original Contract amount was $650,715.00. As a result of this Change Order, the new contract sum is $671,465.00 and the new completion date is 7/2/25. Williamson County Facilities Project Manager, Thomas Crockett was delegated change order approval authority for this project on January 23, 2024, by the Commissioners Court pursuant to Loc. Gov't Code Sec. 262.031. This item is to acknowledge such approval and record same into the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

CJC North Roof Replacement-P615-CO2

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	06/03/2025 02:46 PM
County Judge Exec Asst.	Delia Colon	06/03/2025 03:36 PM
Form Started By: Christy Matoska		Started On: 06/02/2025 04:13 PM
Final Approval Date: 06/03/2025		

CHANGE ORDER
CJC North Roof Replacment

CHANGE ORDER NO: **02** Installment of Retrofits in place of Overflows on Side A NTP Date: 2/24/2025

DATE OF ISSUANCE: 3/18/2025

Contractor: RYCARS Construction LLC

Architect/ Engineer: Alex Davila/ Dominic Calabrese

EXPLANATION:

1. RYCARS Construction was informed by Owner to install retrofits in place of the existing overflows on Side A of the roof due to the primary and overflow being at the same height

CONTRACT CHANGE:

2. Credit is included in this Change Order for original scopped Overflow labor for Side A and B

Installment of Retrofits in place of exisiting Overflows on Side A

A.	Original Contract Amount	$ 650,715.00
B.	Adjusted Contract Sum by previous Change Orders	$ 665,071.00
C.	Contract Sum increased / (decreased) by this Change Order in the amount of	$ 6,394. 00
D.	New Contract Sum including this Change Order will be	$ 671,465.00

Percentage Increase of Total Change Orders over Original Contract Amount $\left(\frac{D-A}{A} * 100\right)$ 2.20 %

(Not to Exceed 25% per state law)

The Contract Time will be changed by 30 days

The date of Substantial Completion as of the date of this Change Order July 2, 2025

RECOMMENDED BY

RYCARS Construction LLC	Tarrell Youngblood	5/29/2025
Contractor	Signature	Date

REVIEWED BY:

Antonio Naylor		06/02/2025
Architect/ Engineer	Signature	Date

ACCEPTED BY:

	Thomas Crockett	06/03/2025
County's Representative	Signature	Date

SUBMITTAL REVIEW

- [x] - NO EXCEPTIONS TAKEN
- [ ] - EXCEPTIONS NOTED
- [ ] - MAKE CORRECTIONS NOTED
- [ ] - REVISE & RESUBMIT
- [ ] - INCOMPLETE SUBMITTAL
- [ ] - SUBMITTAL REJECTED

THIS SUBMITTAL HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH CONSTRUCTION DOCUMENTS ONLY. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT THE JOBSITE, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF THIER WORK WITH OTHER TRADES, SATISFACTORY PERFORMANCE OF THE WORK, AND FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS. APPROVAL OF ANY PART OF THIS SUBMITTAL DOES NOT CONSTITUTE AN APPROVAL OF ANY CHANGE INVOLVING ADDITIONAL COST TO THE OWNER ON THIS PROJECT.

By: _____ Date: 6/2/2025

WHITTEN
BUILDING ENVELOPE CONSULTANTS

514 E. Palm Valley Blvd., Ste-A
Round Rock, Texas 78664
www.JimWhitten.com

Change Order Breakdown:

1. Provide and Install Four New Retrofits drains at Existing Overflows drains on Area A	$7,653.00
2. (Credit) Not installing orignial scoped Roof Drains on Side A and B	- $1,259.00
	$6,394.00

Project No.: 2206.3 Date: 5/29/2025

Project Name: CJC North Roof Replacement

CHANGE ORDER SUMMARY: 1

*Labor credit for not installing existing roof drains on Roof Area(s) A & B.

Item	Description	Cost
1	Labor	$ (1,125.00)
2	Material	$ -
3	Equipment - Trucks, Fuel, Small tools	$ -
4	Subtotal	$ (1,125.00)
5	Overhead & Profit (10%)	$ (113.00)
6	Subtotal, Contractor	$ (1,238.00)
7	Subcontractor:	$ -
8	Sub Mark Up (5%)	$ -
9	Subtotal, Subcontractor	$ -
10	Subtotal Contractor & Subcontractor	$ (1,238.00)
11	Bonds & insurance (1.7%)	$ (21.00)
12	**TOTAL CHANGE ORDER REQUEST**	**$ (1,259.00)**
13	**Time Request, Add**	**0 Days**

Construction Contract Change Order

BREAKDOWN

Breakdown No. 1
Item No. 1
RFI No. (or COR, CPR, etc.) 1

Project No.: 2206.3
Date: 5/29/2025

Project Name: CJC North Roof Replacement

Contractor/Subcontractor Name: RYCARS Construction, LLC

Direct Cost of Work :

A. Labor

Check here if explained on the Comment Sheet ☐

			Hourly Wage Rate	Hours	Total Cost
1					
2	Roofer - Install Retrofits	☐	50.00	(18)	-$900.00
3		☐			
4		☐			
5		☐			
6		☐			
7		☐			
8		☐			
9		☐			
			Add Labor Burden @	25 %	-$225.00
			LABOR TOTAL		-$1,125.00

B. Material

			Unit Price	Unit	Units	Total Cost
1						
2						
3						
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				
11		☐				
12		☐				
	(Copies of invoices may be required.)		Add Tax @		%	
			MATERIAL TOTAL			

C. Equipment

			Unit Rate	Unit	Units	Total Cost
1						
2						
3						
4						
5		☐				
6		☐				
7		☐				
	(Copies of invoices may be required.)		Add Tax @		8.25 %	
			EQUIPMENT TOTAL			

TOTAL DIRECT COST FOR THIS BREAKDOWN: 1 -$1,125.00
(Sum A, B & C)

Change Order Breakdown

Project No.: 2206.3 Date: 5/22/2025

Project Name: CJC North Roof Replacement

CHANGE ORDER SUMMARY: 1

* Provide and install four new retrofit drains at existing overflow drains on Area A.

Item	Description	Cost
1	Labor	$ 4,000.00
2	Material	$ 2,029.00
3	Equipment - Trucks, Fuel, Small tools	$ 812.00
4	Subtotal	$ 6,841.00
5	Overhead & Profit (10%)	$ 684.00
6	Subtotal, Contractor	$ 7,525.00
7	Subcontractor:	$ -
8	Sub Mark Up (5%)	$ -
9	Subtotal, Subcontractor	$ -
10	Subtotal Contractor & Subcontractor	$ 7,525.00
11	Bonds & insurance (1.7%)	$ 128.00
12	**TOTAL CHANGE ORDER REQUEST**	**$ 7,653.00**
13	**Time Request, Add**	**30 Days**

Construction Contract Change Order

BREAKDOWN

Change Order Breakdown

1. f
:

Breakdown No. 1
Item No. 1
RFI No. (or COR, CPR, etc.) 1

Project No.: 2206.3
Date: 6/2/2025

Project Name: CJC North Roof Replacement

Contractor/Subcontractor Name: RYCARS Construction, LLC

Direct Cost of Work :

A. Labor

Check here if explained on the Comment Sheet

		↓	Hourly Wage Rate	Hours	Total Cost
1	Foreman	☐	60.00	20	$1,200.00
2	Roofer - Install Retrofits	☐	50.00	40	$2,000.00
3		☐			
4		☐			
5		☐			
6		☐			
7		☐			
8		☐			
9		☐			
	Add Labor Burden @			25 %	$800.00
	LABOR TOTAL				$4,000.00

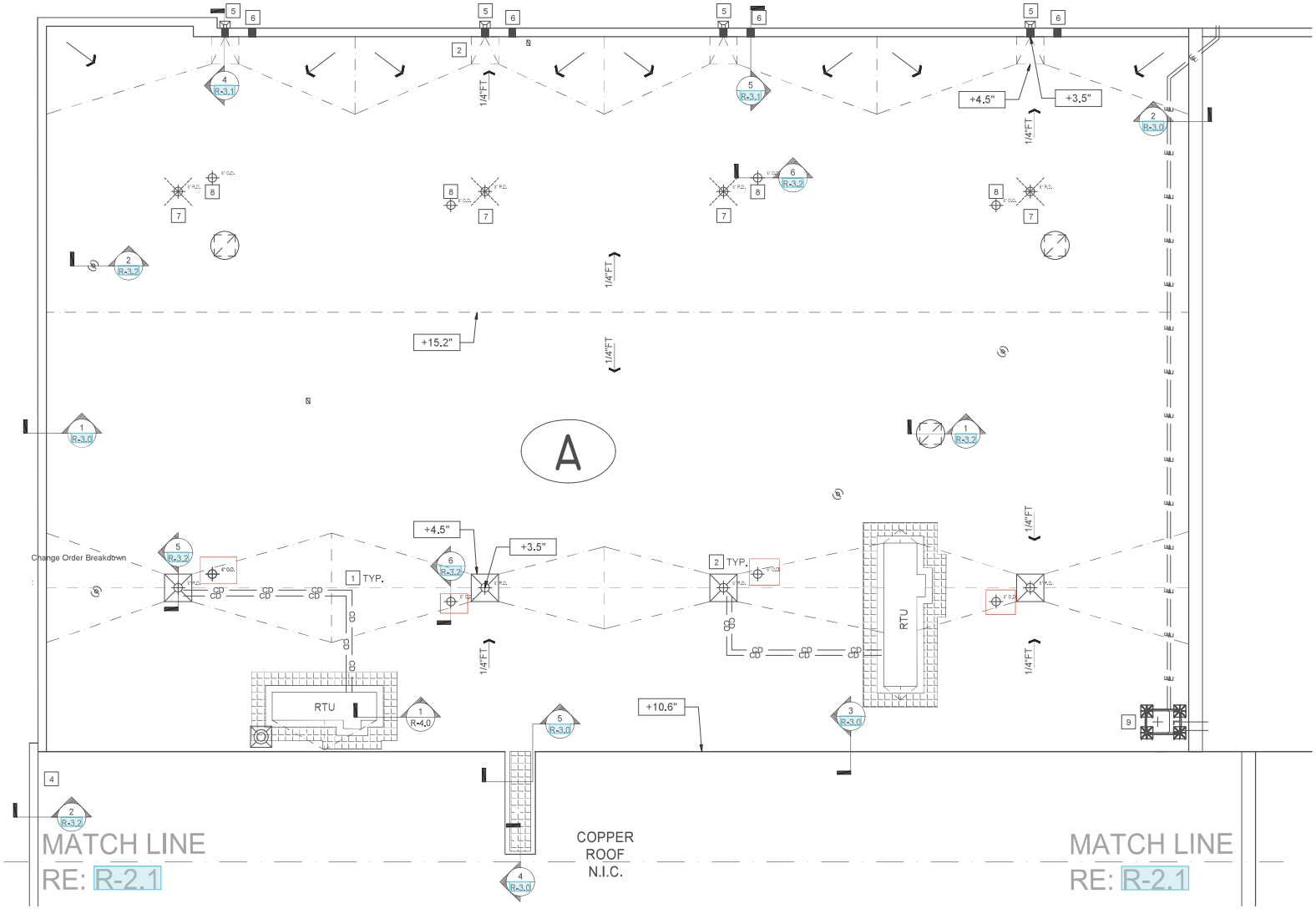
B. Material

			Unit Price	Unit	Units	Total Cost
1	8" Retrofit Drains	☐	476.00	Ea	4	$1,904.00
2	Delivery	☐	125.00	Ea	1	$125.00
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				
11		☐				
12		☐				
	(Copies of invoices may be required.)		Add Tax @		%	
	MATERIAL TOTAL					$2,029.00

C. Equipment

			Unit Rate	Unit	Units	Total Cost
1	Fuel	☐	150.00	Day	2	$300.00
2	Trucks	☐	100.00	Day	2	$200.00
3	Small Tools	☐	250.00	Ea	1	$250.00
4		☐				
5		☐				
6		☐				
7		☐				
	(Copies of invoices may be required.)		Add Tax @		8.25 %	$62.00
	EQUIPMENT TOTAL					$812.00

TOTAL DIRECT COST FOR THIS BREAKDOWN: 1 $6,841.00
(Sum A, B & C)



1 SECTION A- EAST ROOF PLAN
SCALE: 1/8"=1'-0"

JIM WHITTEN ROOF CONSULTANTS, LLC
CONSULTANTS IN ROOFING AND WATERPROOFING
WWW.JIMWHITTEN.COM
P. O. BOX 200925 AUSTIN, TEXAS 78720
PHONE: (512) 250-0999 FAX: (512) 250-9711

RB ARCHITECT, PLLC
• ARCHITECTURE
• RESIDENTIAL
• COMMERCIAL
• BUILDING PERMITS
11502 Knipp Cove
Austin, Texas 78739
(512)791-2988
roelbaxter48@gmail.com

Reliance Architecture, LLC
1306 Barrington Dr.
Austin, Texas 78753
Ph (512) 758-7660
WWW.RELIANCEARCHITECTURE.COM

ROOF PLAN LEGEND

- A — ROOF SECTION IDENTIFICATION
- SLOPE — DIRECTION OF SLOPE
- EXHAUST FAN ON CURB
- CO — CONDENSATE DRAIN LINE
- GAS — GAS LINE
- E — CONDUIT LINE
- TAPER RIDGE, HIP, VALLEY
- RTU — ROOFTOP UNIT ON CURB
- PLUMBING VENT
- OVERFLOW DRAIN
- +X.XX" — INSULATION PLUS COVERBOARD THICKNESS FROM DECK
- PRIMARY ROOF DRAIN WITH 4'X4'X¼" PER FOOT TAPERED SUMP
- MFR WALK TREAD MATERIAL
- ELECTRICAL EQUIPMENT SUPPORT
- EXISTING COPPER ROOF HATCH (N.I.C.)
- CONDUCTOR HEAD AND DOWNSPOUT

REGISTERED ARCHITECT ROEL BAXTER 14289 STATE OF TEXAS
09-26-2022

RESPONSIBLE A/E NAME
DATE ISSUED
100 % DELIVERABLE
NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

KEYED NOTE :

1. 1/2"/FT TAPERED ISO CRICKET
2. 1/2"/FT TAPERED ISO SUMP, MIN. 2' EACH DIRECTION.
3. PORTABLE PIPE HANGER STAIR, PLATFORM, AND HANDRAILS.
4. INSTALL NEW PRE-FINISHED 24 GA. GALV. STEEL COPING OVER EXISTING STONE CAP PER DETAILS.
5. NEW 12"L X 6"H PRIMARY THRU-WALL SCUPPER, 18" W CONDUCTOR HEAD AND 6" DOWNSPOUT.
6. NEW 18"L X 6"H OVERFLOW THRU-WALL SCUPPER.
7. REMOVE AND DISPOSE EXISTING PRIMARY ROOF DRAIN, PERMANENTLY CAP ROOF DRAIN PIPING.
8. EXISTING SECONDARY EMERGENCY OVERFLOW ROOF DRAIN TO REMAIN.
9. PORTABLE PIPE HANGER PLATFORM

PLAN NOTE 1

TYPICAL ROOF PENETRATIONS ARE SHOWN AS REFERENCED IN THE DRAWINGS BY SECTION CUTS. IT IS INTENDED THAT CONDITIONS SIMILAR TO THOSE SHOWN IN DETAIL ARE TO BE TREATED IN A SIMILAR MANNER.

PLAN NOTE 2

LOCATION AND QUANTITY OF ROOF OBJECTS, PENETRATIONS AND EQUIPMENT ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING QUANTITIES & LOCATIONS PRIOR TO BIDDING.

WILLIAMSON COUNTY
CJC NORTH RE-ROOF
GEORGETOWN, Texas

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Revision:

Project Number
2206.3

Date:
9/27/2022

Sheet Number
R-2.0

SECTION A - EAST ROOF PLAN

BID PROPOSAL
8" O-RING DRAINS

BID NUMBER	91913

Valid Until
June 21 , 2025

PREPARED FOR	496552

RYCARS CONSTRUCTION LLC (831)
503 COLEMAN PL
KENNER, LA 70062

Telephone: 504-305-5309

BRANCH NUMBER	0831

NEW ORLEANS BRANCH
QXO
800 EDWARDS AVENUE
NEW ORLEANS, LA 70123-3123

Telephone: 504-455-6161
Sls id: G2Z Ent Ini: CHD

LINE	QUANTITY	DESCRIPTION	UNIT PRICE	DISCOUNT	NET UNIT PRICE	EXTENDED PRICE
10	4 EA	OLY UFLOW RETRO DRAIN 8" ALDCR8A O-RING RETRO DRAIN ALUMINUM BODY AND STAINER	EA		476.0000	1,904.00
				Freight Charge		33.38
				Other Charges Total		33.38

BE ADVISED THAT PENDING TARIFFS COULD INORDINATELY INCREASE DOMESTIC COSTS ON IMPORTED PRODUCTS AND QXO CAN ONLY HONOR A MANUFACTURER QUOTE TO THE SAME EXTENT THAT THE MANUFACTURER HONORS ITS QUOTE TO QXO.
WHERE PROJECT PRICING IS BASED ON FULL TRUCKLOAD QUANTITIES; WAREHOUSE ORDERS CANNOT BE SOLD AT THE FULL TRUCK PRICE.
ALL QUOTES ARE SUBJECT TO FREIGHT, MATERIAL/FUEL SURCHARGES, HAZMAT FEES, AND DEFICIT FREIGHT FEES FOR PARTIAL TRUCKS SHIPMENTS.
QUANTITIES AND MATERIAL LISTED ARE BASED ON OUR INTERPRETATION OF THE PROJECT. IT IS THE CUSTOMER'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECS FOR ACCURACY.
LISTED QUANTITIES ARE ESTIMATES ONLY. QXO WILL NOT BE RESPONSIBLE FOR OVERAGES OR SHORTAGES ON THE QUANTITIES PROVIDED.
NON-STOCK AND SPECIAL ORDER MATERIAL CANNOT BE RETURNED TO A QXO FACILITY.
PLEASE REFERENCE THE PROJECT QUOTE # WHEN PLACING AN ORDER FOR THIS PROJECT.

SUB TOTAL	1,937.38
TAX	159.83
BID TOTAL	2,097.21

Commissioners Court - Regular Session **41.**

Meeting Date: 06/10/2025

Berry Springs Park Improvements (P559) - CMAR Change Order #6

Submitted For: Dale Butler **Submitted By:** Christy Matoska, Facilities Managemen

Department: Facilities Management

Agenda Category: Regular Agenda Items

Information

Agenda Item

Receive and acknowledge approval of Change Order No.6 from Chasco Constructors, Ltd. LLP. for the Berry Springs Park Improvements project to extend time only due to the lead-time delays regarding PEC, the electrical provider, which was approved by Williamson County Senior Project Manager, Angel Gomez, pursuant to the Commissioners Court's prior delegation of change order approval authority pursuant to Loc. Gov't Code Sec. 262.031.

Background

The Change Order No. 6 is made to extend time only as a result of delays relating to PEC, the electrical provider. The new completion date is 7/1/25. Williamson County Facilities Senior Project Manager, Angel Gomez, was delegated change order approval authority for this project on March 21st, 2023, by the Commissioners Court pursuant to Loc. Gov't Code Sec. 262.031. This item is to acknowledge such approval and record same into the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Berry Springs Park P559 - Chasco_CO6

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	06/04/2025 07:50 AM
County Judge Exec Asst.	Delia Colon	06/04/2025 08:30 AM
Form Started By: Christy Matoska		Started On: 06/04/2025 07:02 AM
Final Approval Date: 06/04/2025		

CHANGE ORDER
Berry Springs Park Improvements

CHANGE ORDER NO: **#06** NTP Date: 02/23/2024
DATE OF ISSUANCE: 06/03/2025
Contractor: Chasco Constructors, Ltd. LLP
Architect/ Engineer: Halff Associates, Inc.

EXPLANATION:

1. Time extension only. There will be no additional administrative costs incurred by this Change Order.

CONTRACT CHANGE:

1. Additional days attributed to lead-time delays regarding PEC, the electrical provider.

A. Original Contract Amount	$ 5,950,619.20
B. Adjusted Contract Sum by previous Change Orders	$ 5,950,619.20
C. Contract Sum increased / (decreased) by this Change Order in the amount of	$ 0.00
D. New Contract Sum including this Change Order will be	$ 5,950,619.20

Percentage Increase of Total Change Orders over Original Contract Amount $\left(\frac{D-A}{A} * 100\right)$
(Not to Exceed 25% per state law) 0 %

The Contract Time will be changed by 31 days
The date of Substantial Completion as of the date of this Change Order 07/01/2025

RECOMMENDED BY:

Cullen Tuggle	Cullen Tuggle (Jun 3, 2025 15:00 CDT)	06/03/2025
Contractor	Signature	Date

REVIEWED BY:

James Hemenes		06/03/2025
Architect/ Engineer	Signature	Date

ACCEPTED BY:

Jesus Angel Gomez Hise		06/03/2025
County's Representative	Signature	Date

Commissioners Court - Regular Session **42.**

Meeting Date: 06/10/2025

LTP Transfer

Submitted By: Karen Knightstep, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the following two LTP transfers: Move $170,000 from P457 (LTP ROW) to P600 (Chandler Corridor Segment 2). Move $75,000 from P457 (LTP ROW) to P628 (Corridor A2 Schematic).

Background

This request is to cover additional expenses for P600 (Chandler Corridor Segment 2) and P628 (Corridor A2 Schematic). HNTB's budget adjustment memo is attached.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

LTP Transfer Memo

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/04/2025 04:48 PM
Form Started By: Karen Knightstep		Started On: 06/04/2025 09:35 AM
Final Approval Date: 06/04/2025		

HNTB Corporation
Engineers Architects Planners

101 E Old Settlers Blvd
Suite 225
Round Rock, TX 78664

Telephone (512) 744-9082
www.hntb.com

Ms. Karen Knightstep
Williamson County Auditor's Office
Historic County Courthouse
710 Main Street, Ste. 301
Georgetown, TX 78626

June 3, 2025

Re: FY 2025 Transportation Corridor Budget Adjustment

Dear Ms. Knightstep,

Please make the following budget adjustments for the Long-Range Transportation Plan (LRTP) Corridor Program projects:

- Move $75,000.00 from P457 LTP ROW to P628 Corridor A2 Schematic
- Move $170,000.00 from P457 LTP ROW to P600 Chandler Corridor Segment 2

If you have any questions, please let me know.

Thank you.

Christen Eschberger

Christen Eschberger, P.E.

Cc: Pam Navarrette, Williamson County Auditor's Office
Julie Kiley, Williamson County Auditor's Office
Robert B. Daigh, P.E., Williamson County Senior Director of Infrastructure
Kate Wilder, P.E., HNTB
Marie Walters, HNTB

Commissioners Court - Regular Session **43.**

Meeting Date: 06/10/2025

23IFB8 Corridor H - Sam Bass Road Change Order #9 (Misc Items)

Submitted By: Julissa Vasquez, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action regarding Change Order No. 9 in the amount of $26,604.48 for Project 23IFB8 Corridor H - Sam Bass Road (Cash Construction) P: 462 Funding Source: 2019 Road Bond in Commissioner Precinct 3.

Background

This Change Order adds an item to locate a Brushy Creek Municipal Utility District (BCMUD) waterline tee that was not identified in the plans. This Change Order also adds an item for additional sidewalk width to align the bridge curb and gutter with the roadway curb and gutter. This Change Order removes the 6-foot privacy fence item and replaces it with a new 8-foot privacy fence item that matches the existing fence. This Change Order adds an item to lower existing water vault lids to match the proposed Share Used Path (SUP) elevation. Lastly, this Change Order adds an additional Gate Valve item, time and materials to locate the existing Gate Valve. The City of Round Rock will reimburse the County $10,375.57 for the additional gate valve and 8-foot privacy fence. Please see the attached Change Order for additional information. This Change Order results in a net increase of $26,604.48 to the Contract amount, for an adjusted Contract total of $34,486,388.44. The original Contract amount was $36,145,959.00. As a result of this and all Change Orders to-date, $1,659,570.56 has been deducted from the Contract, resulting in a 4.59% net decrease in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

23IFB8 CorridorH/SamBassRd-CO#9

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 10:12 AM
Form Started By: Julissa Vasquez		Started On: 06/04/2025 09:24 AM
Final Approval Date: 06/05/2025		

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 9

Contract Award Date:	1/10/2023
Project Number:	23IFB8
Funding Source:	P462
Roadway:	Sam Bass Road
CSJ Number:	N/A

Contractor: **Cash Construction** NTP Required: ☑ Yes ☐ No

Project Name: **Corridor H - Sam Bass Road**

Change Order Work Limits: Sta. **255+21.02** to Sta. **391+30.84**

Type of Change(on federal-aid non-exempt projects): **Minor** (Major/Minor)

Reasons: **1A, 4B** (3 Max. - In order of importance - Primary first)

Describe the work being revised:

1A. Design Error or Omission. Incorrect PS&E. This Change Order adds an item to locate a BCMUD water line tee that was not clearly identified in the plans. This Change Order also adds an item for additional sidewalk width to align bridge curb and gutter with roadway curb and gutter. This Change Order removes the 6ft privacy fence item and replaces it with an item for an 8ft privacy fence. Lastly, this Change Order adds an item to lower existing water vault lids to match the proposed SUP elevation. **4B. Third Party Accommodation. Third party requested work.** This Change Order adds an additional Gate Valve and time and materials to locate an existing Gate Valve. The City of Round Rock will reimburse the County $10,375.57 for the additional gate valve and privacy 8ft privacy fence.

Work to be performed in accordance with Items: **See Attached.**

New or revised plan sheet(s) are attached and numbered: **N/A**

New Special Provisions/Specifications to the contract are attached: ☐ Yes ☑ No

New Special Provisions to Item N/A No. N/A. Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.

THE CONTRACTOR Date 4/30/2025

By Hunter Driskell Digitally signed by Hunter Driskell DN: E=Hunter.Driskell@cashconstruction.com, CN=Hunter Driskell, OU=Users, OU=Cash Construction, OU=Service Lines, DC=mastec, DC=local Date: 2025.04.30 08:32:15-05'00'

Typed/Printed Name Hunter Driskell

Typed/Printed Title Project Manager

The following information must be provided

Time Ext. #: **N/A** Days added on this CO: **0**

Amount added by this change order: **$26,604.48**

Original Contract Amount:	**$36,145,959.00**
Total Change Orders To-Date:	**-$1,659,570.56**
Percent Change in Original Contract:	**-4.59%**

RECOMMENDED FOR EXECUTION:

Senior Construction Engineer — 4/30/2025 Date

Program Manager — 6/3/2025 Date

City of Round Rock — 5-27-25 Date

RECOMMENDED FOR EXECUTION:

Department of Infrastructure, Williamson County — 6/3/2025 Date

APPROVED:

Presiding Officer of the Williamson County Commissioners Court — Date

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: *9* ***Project #*** *23IFB8*

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
BC-999-005	BCMUD WL TEE LOCATING	LS	$1,492.59	0.00	$0.00	1.00	1.00	$1,492.59	$1,492.59
999 WC13	BRIDGE SIDEWALK WIDENING	LS	$3,960.60	0.00	$0.00	1.00	1.00	$3,960.60	$3,960.60
702	REMOVE AND REPLACE EXISTING 6 FT HORIZONTAL PRIVACY FENCE	LF	$80.00	185.00	$14,800.00	(185.00)	0.00	$0.00	($14,800.00)
RR-702-01	REMOVE AND REPLACE EXISTING 8 FT HORIZONTAL PRIVACY FENCE	LF	$143.08	0.00	$0.00	105.00	105.00	$15,023.40	$15,023.40
999 WC14	LOWER VAULT LIDS ALONG SUP	LS	$10,775.72	0.00	$0.00	1.00	1.00	$10,775.72	$10,775.72
RR-511-04	CORR WL GATE VALVE DOWNTIME	LS	$10,152.17	0.00	$0.00	1.00	1.00	$10,152.17	$10,152.17
TOTALS					$14,800.00			$41,404.48	$26,604.48

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

Corridor H – Sam Bass Road
Williamson County Project No. 23IFB8

Change Order No.9

Reason for Change

This Change Order adds an item to locate a Brushy Creek Municipal Utility District (BCMUD) water line tee that was not identified in the plans. This Change Order adds an item for additional sidewalk width to align the bridge curb and gutter with the roadway curb and gutter. This Change Order removes the 6-foot privacy fence item and replaces it with a new 8-foot privacy fence item that matches the existing fence. This Change Order adds an item to lower existing water vault lids to match the proposed Share Used Path (SUP) elevation. Lastly, this Change Order adds an additional Gate Valve item and time and materials to locate the existing Gate Valve. The City of Round Rock will reimburse the County $10,375.57 for the additional gate valve and privacy 8-foot privacy fence.

Following is a summary of the new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
BC-999-005	BCMUD WL TEE LOCATING	1	LS
999 WC13	BRIDGE SIDEWALK WIDENING	1	LS
RR-702-01	REMOVE AND REPLACE EXISTING 8 FT HORIZONTAL PRIVACY FENCE	105	LF
999 WC14	LOWER VAULT LIDS ALONG SUP	1	LS
RR-511-04	CORR WL GATE VALVE DOWNTIME	1	LS

This Change Order results in a net increase of $26,604.48 to the Contract amount, for an adjusted Contract total of $34,486,388.44. The original Contract amount was $36,145,959.00. As a result of this and all Change Orders to-date, $1,659,570.56 has been deducted from the Contract, resulting in a 4.59% net decrease in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

HNTB Corporation

Oscar Salazar-Bueno, P.E.

Change Order Worksheet

Contract Name	Corridor H - Sam Bass Rd		Solicitation #:	23IFB8
Date awarded	1/13/2023			
Awarded Contract Amount		$36,145,959.00		
			Percentage Change	
	Change order #1	-$2,394,078.12	-6.62%	
	Change order #2	$5,250.00	0.01%	
	Change order #3	$56,523.26	0.16%	
	Change order #4	$70,739.02	0.20%	
	Change order #5	$68,580.18	0.19%	
	Change order #6	$182,734.17	0.51%	
	Change order #7	$288,195.31	0.80%	
	Change order #8	$35,881.14	0.10%	
	Change order #9	$26,604.48	0.07%	
	Total changes to date	($1,659,570.56)	-4.59%	(Running totals here)
	Adjusted contract amount	$34,486,388.44		

Item: BC-999-005

CONTRACTOR: CASH CONSTRUCTION COMPANY, LTD.						
PROJECT:	1009 - Sam Bass Road					
ITEM:	CPR#48 - Exploration for BCMUD to Find their Tee					
DATE:	2/19/2025					
				Additional	Unit	Bid
Item #	Description	Qty.	Unit	Days	Bid	Amount
1	Exploration for BCMUD to Find their Tee	1.00	LS		$1,492.59	$1,492.59
	GRAND TOTAL					**$1,492.59**
Notes:						
PRICES EXCLUDE: BONDS, IMPORTING TOPSOIL, STREET LIGHTS, ENGINEERING, REVEG, HAZARDOUS MATERIALS HANDLING, SLOPE RETENTION, ROCK BERMS, SOD, MAKE UP WELL AND ASSEMBLY, FOUNTAINS, AND ALL EROSION CONTROLS NOT LISTED.						

Item: BC-999-005

BREAKDOWN WORKSHEET

Item: CPR#48 - Exploration for BCMUD to Find their Tee

Date: 2/25/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent 1	1	HR	$63.94	$63.94			
Foreman (1)	5	HR	$60.00	$300.00			
Laborer (1)	5	HR	$21.00	$105.00			
Excavator Operator	5	HR	$28.00	$140.00			
Subtotal				$608.94			
MATERIAL							
					$0.00		
Subtotal					$0.00		
EQUIPMENT							
Cat 416 F	5	HR	$68.24			$341.20	
						$0.00	
Subtotal						$341.20	
SUB							
							$0.00
Subtotal							$0.00
Subtotals				$608.94	$0.00	$341.20	$0.00
Burden on Direct Labor - 55%				$334.92			
Direct Labor - 15%				$141.58			
Material -15%					$0.00		
Equipment - 15%						$51.18	
Subcontracts -5%							$0.00
Subtotals				$1,085.44	$0.00	$392.38	$0.00

Change Proposal Subtotal	$1,477.82
Bond (1%)	$14.78
Total Change Proposal	$1,492.59

Item: 999-WC13

CONTRACTOR: CASH CONSTRUCTION COMPANY, LTD.						
PROJECT:	1009 - Sam Bass Road					
ITEM:	CPR #44 - Extra Work for Extending Sidewalk at the Bridge					
DATE:	1/21/2025					
				Additional	Unit	Bid
Item #	Description	Qty.	Unit	Days	Bid	Amount
1	Extra Work for Extending Sidewalk at the Bridge	1.00	LS		$3,960.60	$3,960.60
	GRAND TOTAL					**$3,960.60**
Notes:						

PRICES EXCLUDE: BONDS, IMPORTING TOPSOIL, STREET LIGHTS, ENGINEERING, REVEG, HAZARDOUS MATERIALS HANDLING, SLOPE RETENTION, ROCK BERMS, SOD, MAKE UP WELL AND ASSEMBLY, FOUNTAINS, AND ALL EROSION CONTROLS NOT LISTED.

Item: 999-WC13

BREAKDOWN WORKSHEET

Item: Extra Work at Bridge

Date: 1/21/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
				$0.00			
				$0.00			
				$0.00			
				$0.00			
				$0.00			
				$0.00			
Subtotal				$0.00			
MATERIAL							
					$0.00		
					$0.00		
Subtotal					$0.00		
EQUIPMENT							
						$0.00	
						$0.00	
Subtotal						$0.00	
SUB							
GADCO	1	LS	$3,734.65				$3,734.65
Subtotal							$3,734.65
Subtotals				$0.00	$0.00	$0.00	$3,734.65
Burden on Direct Labor - 55%				$0.00			
Direct Labor - 15%				$0.00			
Material -15%					$0.00		
Equipment - 15%						$0.00	
Subcontracts -5%							$186.73
Subtotals				$0.00	$0.00	$0.00	$3,921.38

Change Proposal Subtotal	$3,921.38
Bond (1%)	$39.21
Total Change Proposal	$3,960.60

Item: 999-WC14

CONTRACTOR: CASH CONSTRUCTION COMPANY, LTD.						
PROJECT:	1009 - Sam Bass Road					
ITEM:	CPR #42 - Lower Water Vault Lids					
DATE:	3/26/2025					
				Additional	Unit	Bid
Item #	Description	Qty.	Unit	Days	Bid	Amount
1	Lower Water Vault Lids (Core & Saw)	1.00	LS		$10,775.72	$10,775.72
	GRAND TOTAL					**$10,775.72**
Notes:						
PRICES EXCLUDE: BONDS, IMPORTING TOPSOIL, STREET LIGHTS, ENGINEERING, REVEG, HAZARDOUS MATERIALS HANDLING, SLOPE RETENTION, ROCK BERMS, SOD, MAKE UP WELL AND ASSEMBLY, FOUNTAINS, AND ALL EROSION CONTROLS NOT LISTED.						

Item: 999-WC14

BREAKDOWN WORKSHEET

Item: Cut Down Vaults Near Tonkawa

Date: 3/26/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent 1	1	HR	$63.94	$63.94			
Foreman (1)	0	HR	$60.00	$0.00			
Laborer (1)	5	HR	$21.00	$105.00			
Laborer (2)	5	HR	$19.75	$98.75			
Pipelayer (1)	0	HR	$24.00	$0.00			
Pipelayer (2)	0	HR	$22.50	$0.00			
Pipelayer (3)	0	HR	$24.50	$0.00			
Backhoe Operator	4	HR	$28.00	$112.00			
Loader Operator	3	HR	$25.00	$75.00			
Excavator Operator	0	HR	$27.00	$0.00			
Subtotal				$454.69			
MATERIAL							
Flowable Fill	8	CY	$138.00		$1,104.00		
Subtotal					$1,104.00		
EQUIPMENT							
Cat 416 (Backhoe)	4	HR	$68.24			$272.96	
Deere 350	3	HR	$122.04			$366.12	
Subtotal						$639.08	
SUB							
Core and Saw	1	LS	$7,480.00				$7,480.00
Subtotal							$7,480.00
Subtotals				$454.69	$1,104.00	$639.08	$7,480.00
Burden on Direct Labor - 55%				$250.08			
Direct Labor - 15%				$105.72			
Material -15%					$165.60		
Equipment - 15%						$95.86	
Subcontracts -5%							$374.00
Subtotals				$810.48	$1,269.60	$734.94	$7,854.00

Change Proposal Subtotal	$10,669.03
Bond (1%)	$106.69
Total Change Proposal	$10,775.72

Item: RR-511-04

CONTRACTOR: CASH CONSTRUCTION COMPANY, LTD.						
PROJECT:	1009 - Sam Bass Road					
ITEM:	CPR#49 - CORR Downtime and Adds					
DATE:	3/17/2025					
				Additional	Unit	Bid
Item #	Description	Qty.	Unit	Days	Bid	Amount
1	Downtime - Monday 2.10.2025	1.00	LS	1.00	$5,626.70	$5,626.70
2	6" x 4" Tee	1.00	LS	0.50	$2,350.97	$2,350.97
3	4" Gate Valve	1.00	LS	0.50	$2,174.49	$2,174.49
	GRAND TOTAL					**$10,152.17**
Notes:						
PRICES EXCLUDE: BONDS, IMPORTING TOPSOIL, STREET LIGHTS, ENGINEERING, REVEG, HAZARDOUS MATERIALS HANDLING, SLOPE RETENTION, ROCK BERMS, SOD, MAKE UP WELL AND ASSEMBLY, FOUNTAINS, AND ALL EROSION CONTROLS NOT LISTED.						

Item: RR-511-04

BREAKDOWN WORKSHEET

Item: Downtime

Date: 3/17/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent 1	2	HR	$63.94	$127.88			
Foreman (1)	10	HR	$60.00	$600.00			
Pipelayer	10	HR	$24.00	$240.00			
Laborer (1)	10	HR	$21.00	$210.00			
Laborer(2)	10	HR	$19.75	$197.50			
Excavator Operator	10	HR	$28.00	$280.00			
Loader Operator	10	HR	$25.00	$250.00			
Subtotal				$1,905.38			
MATERIAL							
					$0.00		
Subtotal					$0.00		
EQUIPMENT							
Deere 624K	10	HR	$67.08			$670.80	
Deere 350	10	HR	$122.02			$1,220.20	
Subtotal						$1,891.00	
SUB							
							$0.00
Subtotal							$0.00
Subtotals				$1,905.38	$0.00	$1,891.00	$0.00
Burden on Direct Labor - 55%				$1,047.96			
Direct Labor - 15%				$443.00			
Material -15%					$0.00		
Equipment - 15%						$283.65	
Subcontracts -5%							$0.00
Subtotals				$3,396.34	$0.00	$2,174.65	$0.00

Change Proposal Subtotal	$5,570.99
Bond (1%)	$55.71
Total Change Proposal	$5,626.70

Item: RR-511-04

BREAKDOWN WORKSHEET

Item: 6x4 Tee

Date: 3/17/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent 1	0	HR	$63.94	$0.00			
Foreman (1)	0	HR	$60.00	$0.00			
Excavator Operator	0	HR	$28.00	$0.00			
Subtotal				$0.00			
MATERIAL							
Deduct Material	-1		$1,856.35		-$1,856.35		
Subtotal					-$1,856.35		
EQUIPMENT							
Cat 416 F	0	HR	$68.24			$0.00	
						$0.00	
Subtotal						$0.00	
SUB							
Tapping Sub	1	EA	$4,250.00				$4,250.00
Subtotal							$4,250.00
Subtotals				$0.00	-$1,856.35	$0.00	$4,250.00
Burden on Direct Labor - 55%				$0.00			
Direct Labor - 15%				$0.00			
Material -15%					-$278.45		
Equipment - 15%						$0.00	
Subcontracts -5%							$212.50
Subtotals				$0.00	-$2,134.80	$0.00	$4,462.50

Change Proposal Subtotal	$2,327.70
Bond (1%)	$23.28
Total Change Proposal	$2,350.97

Item: RR-511-04

BREAKDOWN WORKSHEET

Item: 4" Gate Valve

Date: 3/17/2025

DESCRIPTION	QUAN	UNIT	UNIT PRICE	LABOR	MATERIAL	EQUIP	SUB
LABOR							
Superintendent 1	1	HR	$63.94	$63.94			
Foreman (1)	2	HR	$60.00	$120.00			
Pipelayer	2	HR	$24.00	$48.00			
Laborer (1)	2	HR	$21.00	$42.00			
Laborer (2)	2	HR	$19.75	$39.50			
Excavator Operator	2	HR	$28.00	$56.00			
Loader Operator	2	HR	$25.00	$50.00			
Subtotal				$419.44			
MATERIAL							
Ferguson	1	LS	$843.81		$843.81		
Subtotal					$843.81		
EQUIPMENT							
Deere 624K	2	HR	$67.08			$134.16	
Deere 350	2	HR	$122.02			$244.04	
Subtotal						$378.20	
SUB							
							$0.00
Subtotal							$0.00
Subtotals				$419.44	$843.81	$378.20	$0.00
Burden on Direct Labor - 55%				$230.69			
Direct Labor - 15%				$97.52			
Material -15%					$126.57		
Equipment - 15%						$56.73	
Subcontracts -5%							$0.00
Subtotals				$747.65	$970.38	$434.93	$0.00

Change Proposal Subtotal	$2,152.96
Bond (1%)	$21.53
Total Change Proposal	$2,174.49

Item RR-702-01

CONTRACTOR:	CASH CONSTRUCTION COMPANY, INC.						
PROJECT:	1009 - Corridor H - Sam Bass Road						
ITEM:	1009 - CPR#14 - 7.5' Fence						
DATE:	4/19/2024						
				Prod. /	Additional	Unit	Bid
Item #	Description	Qty.	Unit	Day	Days	Bid	Amount
1	Deduct "Remove & Replace Existing 6 FT Horizontal Privacy Fence"	-185.00	LF			$80.00	-$14,800.00
2	Add "Remove & Replace Existing 8 FT Hoziontal Privacy Fence" 105.00	~~185.00~~	LF			$143.08	$15,023.40 ~~$26,469.80~~
	GRAND TOTAL						$223.40 ~~**$11,669.80**~~
Notes:							
PRICES EXCLUDE: BONDS, IMPORTING TOPSOIL, STREET LIGHTS, ENGINEERING, REVEG, HAZARDOUS MATERIALS HANDLING, SLOPE RETENTION, ROCK BERMS, SOD, MAKE UP WELL AND ASSEMBLY, FOUNTAINS, AND ALL EROSION CONTROLS NOT LISTED.							

Commissioners Court - Regular Session **44.**

Meeting Date: 06/10/2025

Corridor A2, Segment 1 - LJA - PSA Amendment #1 and SWA#1 to WA#1

Submitted By: Marie Walters, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on Contract Amendment No. 1 and Supplemental No. 1 to Work Authorization No. 1 to the Corridor A2 Segment 1 contract executed March 19, 2024, between Williamson County and LJA Engineering relating to the 2023 Road Bond Program. Project: P680 Fund Source: Road Bonds

Background

This Contract Amendment No. 1 amends the Exhibit D - Rate Schedule in the Master Contract to allow for the addition of LJA surveying services and the execution of Supplemental No. 1 to Work Authorization No. 1, which is increased by $109,220.07 from $1,512,930.36 to $1,622,150.43 and extends the termination date to 10/31/2026.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Corridor A2, Segment 1 - LJA - PSA Amendment #1

Corridor A2, Segment 1 - LJA - SWA#1 to WA#1

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 10:16 AM
Form Started By: Marie Walters		Started On: 06/04/2025 02:47 PM
Final Approval Date: 06/05/2025		

CONTRACT AMENDMENT NO. 1
TO
WILLIAMSON COUNTY CONTRACT FOR ENGINEERING SERVICES

WILLIAMSON COUNTY ROAD BOND PROJECT: Corridor A2 Segment 1 ("Project")

THIS CONTRACT AMENDMENT NO. 1 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and LJA Engineering (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective March 19, 2024 (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

I. The hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D (must be attached).

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: Kenneth G Schrock Signature	By: _____ Signature
Kenneth G. Schrock, PE Printed Name	_____ Printed Name
Senior Vice President Title	_____ Title
3/20/2025 Date	_____ Date

APPROVED
By Christen Eschberger at 2:40 pm, Jun 04, 2025

No change to PSA rates

EXHIBIT D - RATE SCHEDULE

LJA ENGINEERING CORRIDOR A2 - SEGMENT 1	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Project Principal	$325.00
Senior Project Manager	$290.00
Project Manager	$260.00
Quality Manager	$260.00
Senior Engineer (15+ yrs)	$240.00
Project Engineer (10-15 yrs)	$210.00
Design Engineer (5-10 yrs)	$180.00
Senior Designer	$175.00
Designer	$125.00
Engineer-in-Training	$150.00
Senior Structural Engineer	$260.00
Structural Engineer	$220.00
Senior Engineering Technician	$160.00
Senior CADD Operator	$145.00
CADD Technician	$120.00
Project Representative	$130.00
Utility Coordinator	$140.00
Senior Utility Coordinator	$175.00
GIS Analyst/Cartography	$145.00
GIS Technician	$130.00
Admin	$90.00

No change to PSA rates

SWCA Environmental Consultants CORRIDOR A2 - SEGMENT 1	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Subject Matter Expert IV	$293.00
Subject Matter Expert III	$268.00
Subject Matter Expert II	$242.00
Subject Matter Expert I	$230.00
Specialist XII	$226.00
Specialist XI	$207.00
Specialist X	$189.00
Specialist IX	$169.00
Specialist VIII	$158.00
Specialist VII	$147.00
Specialist VI	$137.00
Specialist V	$123.00
Specialist IV	$114.00
Specialist III	$104.00
Specialist II	$91.00
Specialist I	$77.00

New rates - replacing Survwest - rates are comparable

LJA Survey CORRIDOR A2 - SEGMENT 1	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Principal RPLS	$240.00
Sr. Project Manager/RPLS	$220.00
Project Manager/RPLS	$185.00
Sr. Project Surveyor	$160.00
Project Surveyor	$139.00
Survey Technician	$115.00
Survey Draftsman	$95.00
One-Man Survey Crew	$137.00
Two-Man Survey Crew	$175.00
Three-Man Survey Crew	$209.00
Abstractor	$78.00
Clerical	$75.00

No change to PSA rates

RABA KISTNER CORRIDOR A2 - SEGMENT 1	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Project Manager	$204.10
Sr. QC Reviewer	$255.00
Senior Project Engineer	$233.58
Project Engineer	$159.12
Design Engineer	$182.03
EIT	$146.07
Geotechnical Logger	$119.02
Senior Geotech Technician	$91.80
Geotech Technician	$77.22
Geotech Laboratory Technician	$82.74
Geologist	$154.02
Senior GIS Technician	$110.16
CADD Technician	$104.81
Administrative Coordinator	$71.40

Added Texas Triaxial Compression expense

RABA KISTNER CORRIDOR A2 - SEGMENT 1	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
FIELD OPERATIONS	
Mobilization of drill rig	$ 600.00 each
Logger Truck	$ 68.01 per day
3 in. Thin wall Shelby Tube sampling	$ 24.40 per ft
Hollow Stem Drilling	$ 30.89 per ft
NX Rock Coring (shale)	$ 40.31 per ft
NX Rock Coring (limestone)	$ 53.04 per ft
Standard Penetration Testing (SPT)	$ 29.92 per test
TCP with intermittent sampling	$ 32.88 per test
Bentonite Backfill	$ 7.00 per ft
Standard Pavement Coring	$ 93.05 each
Concrete/AC patch	$ 79.38 each
Standby (setup time and cleanup)	$ 284.29 per hr
LABORATORY TESTING	
Atterberg Limits	$ 125.84 each
Moisture Content	$ 16.65 each
Sieve Analysis (passing No. 200)	$ 70.75 each
Sieve Analysis (passing No. 4, 40, 200)	$ 120.04 each
Sulfate Testing	$ 125.12 each
Unconfined Compression (Soil)	$ 60.06 each
Unconfined Compression (Rock)	$ 75.46 each
Direct Shear	$ 650.18 each
Consolidated Undrained (CU) Triaxial Comp Test	$ 1,925 each
Lime Series (Tex-121-E Part III)	$ 452.33 each
Moisture Denisty Relationship (TEX-114-E)	$ 350.45 each
Texas Triaxial Compression (TEX-117-E)	$ 2,200 each
California Bearing Ratio (ASTM D 1833) includes moisture-density relationship test and 3 test specimens	$ 1,011.05 each
Each additional specimen	$ 220.20 each

Reviewed by KEW on 6/2/25

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:
Corridor A2 Segment 1

This Supplemental Work Authorization No. _1_ to Work Authorization No. _1_ is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated __March__ _19th_, 20_24_ ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and ____LJA Engineering (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. _1_ dated effective __March__ _22nd_, 20_24_ (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on __October__ _31st_, 20_26_. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased by $_109,220.07_ from $_1,512,930.36_ to $_1,622,150.43_. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: _____ Signature	By: _____ Signature
Derek Bohls, PE Printed Name	_____ Printed Name
Vice President Title	_____ Title
5/16/2025 Date	_____ Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

APPROVED
By Christen Eschberger at 2:20 pm, Jun 03, 2025

ATTACHMENT B
ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER FOR CORRIDOR A2 SEGMENT 1 (FM 973 to CR 406)

PROJECT DESCRIPTION

Project Limits

The proposed limits are FM 973 to CR 406 on the east end, a distance of approximately 2 miles.

Existing Facility

This new alignment road will tie into the existing FM 973 road at west end and CR 406 road at the east end. The is no existing ROW for this new location road.

Proposed Facility

The proposed facility is a new 2-lane road with 2-12' lanes and 10' shoulders that will serve as the future frontage road of Corridor A2. The proposed ROW is generally 350'. The project includes two bridges at pond / stream crossings and a modified traffic signal at FM 973.

Design Criteria

The project will be designed in accordance with the Williamson County, City of Taylor, and TxDOT design criteria. TxDOT design criteria will only apply to portions of the project within TxDOT ROW at the intersection with FM 973.

1. PROJECT MANAGEMENT

   a. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS (additional **10** months assumed):

      - Submit monthly progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      - Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. ADDITIONAL PROJECT COORDINATION & ADMINISTRATION:

      - Prepare and maintain routine project record keeping including records of meetings and minutes.
      - Correspondence and coordination will be handled through & with the concurrence of the GEC.

- Manage Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review sub-consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.

c. PROGRESS/COORDINATION MEETINGS (additional **20** external meetings assumed):

- Attend coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- Conduct internal coordination meetings as required to advance the development of the project.

2. SURVEYING

a. ROW ACQUISITION FIELD NOTES

- Review and revise right-of-way acquisition documents. Evaluate the field data, perform boundary analysis and prepare a set of field notes with sketch to accompany.

b. FIELD SURVEYING:

- Finalize survey of the corridor area at approximately 50 foot intervals and to include 100 feet on either side of the proposed roadway centerline as necessary to produce one-foot interval contours. Information collected will typically include as follows: visible improvements and visible utilities including driveways, water wells, storage tanks, drainage structures (size, material, flowline elevations), edge of pavement/shoulder, physical centerline, roadway striping, guardrail, fences, signs, mailboxes, top and bottom of drainage ditches, sidewalk, and trees 8" inch diameter and greater.

c. DELIVERABLES:

- Mapping in 2-D and 3-D MicroStation Files
- DTM of Proposed Corridor
- PDF and CADD file of Field Notes

3. GEOTECHNICAL SERVICES

a. BORINGS:

- Additional bridge borings and geotechnical analysis due to new 2024 Geotechnical TxDOT requirements.

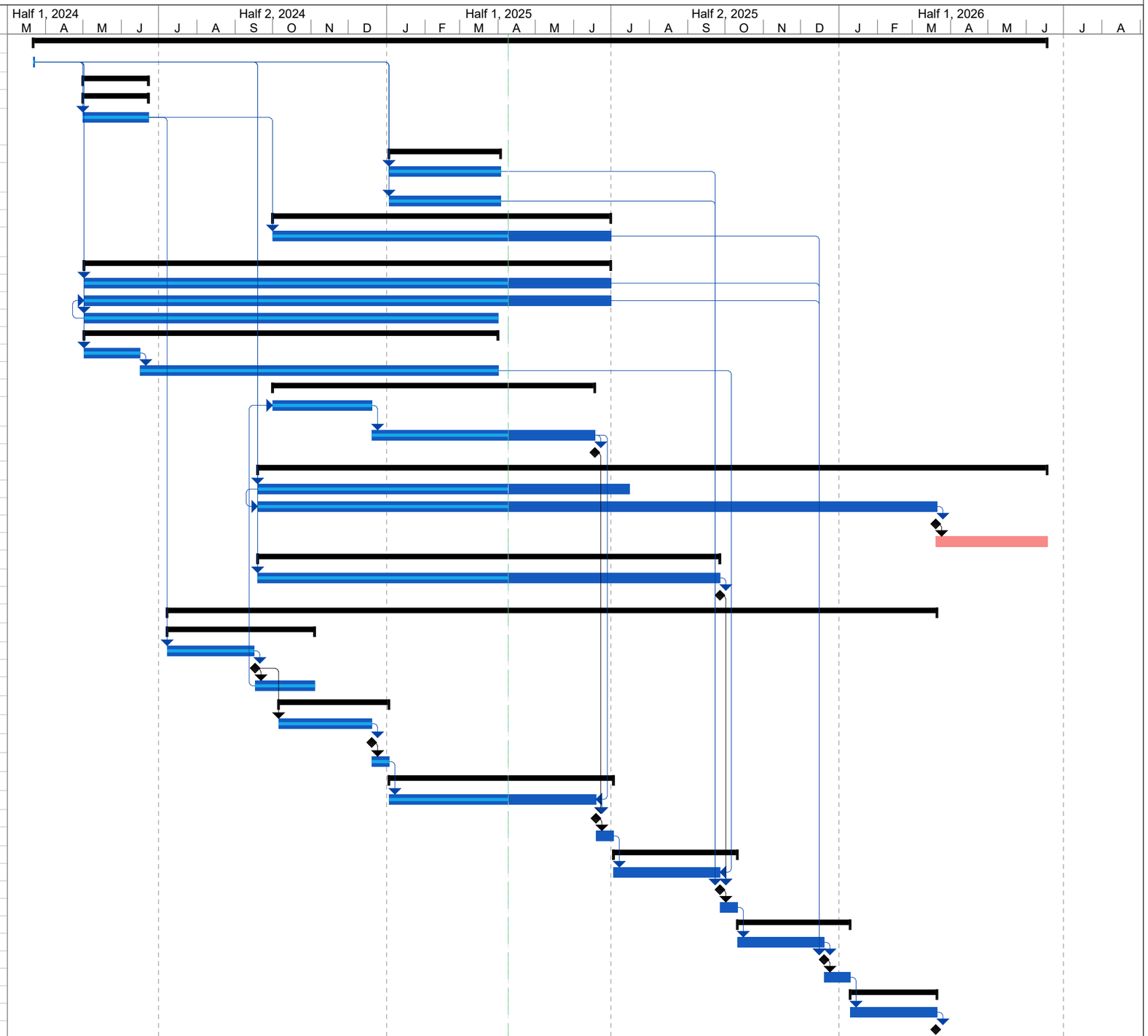
b. DELIVERABLES:

- Draft & Final Pavement Design Report
- Draft & Final Bridge Design Report
- Draft & Final Retaining Wall Report
- Draft & Final Scour Analysis

ATTACHMENT C

Corridor A2 Segment 1 Project Schedule

ID	Task Name	Duration	Start	Finish
1	**Corridor A2 Segment 1**	**818 days**	**3/22/24**	**6/17/26**
2	CC Approval / NTP	1 day	3/22/24	3/22/24
3	**Route and Design Studies**	**53 days**	**5/1/24**	**6/22/24**
4	**Data Collection**	**53 days**	**5/1/24**	**6/22/24**
5	Collect Data, Design Criteria, Constraints Map, and Utility Location	53 days	5/1/24	6/22/24
6	**Public Involvement**	**90 days**	**1/3/25**	**4/2/25**
7	Public Involvement Support, Property Owner & Stakeholder Meetings	90 days	1/3/25	4/2/25
8	Support Property Owner Meetings	90 days	1/3/25	4/2/25
9	**Utility Coordination Support**	**273 days**	**10/1/24**	**6/30/25**
10	Receive Util Info, Incorporate into Eng Drawings, & Conduct Util Meetings	273 days	10/1/24	6/30/25
11	**Condemnation Support**	**425 days**	**5/2/24**	**6/30/25**
12	Condemnation Hearing Exhibit Support	425 days	5/2/24	6/30/25
13	Parcel Acquisition Documentation	425 days	5/2/24	6/30/25
14	Field Notes	334 days	5/2/24	3/31/25
15	**Surveying**	**334 days**	**5/2/24**	**3/31/25**
16	Right of Entry (ROE)	45 days	5/2/24	6/15/24
17	Field Survey	289 days	6/16/24	3/31/25
18	**Drainage Study**	**260 days**	**10/1/24**	**6/17/25**
19	Hydrologic/Hydraulic Modeling, Impact & Mitigation Analysis	80 days	10/1/24	12/19/24
20	Crossing Design/Scour Analysis	180 days	12/20/24	6/17/25
21	Final Drainage Report Submittal	0 days	6/17/25	6/17/25
22	**Environmental Compliance**	**637 days**	**9/19/24**	**6/17/26**
23	Env Field Work	300 days	9/19/24	7/15/25
24	Env Compliance Studies	548 days	9/19/24	3/20/26
25	Env Studies Submittal	0 days	3/20/26	3/20/26
26	TxDOT Review	90 days	3/20/26	6/17/26
27	**Geotechnical Services**	**373 days**	**9/19/24**	**9/26/25**
28	Geotech Field Work & Report	373 days	9/19/24	9/26/25
29	Geotech Report Submittal	0 days	9/26/25	9/26/25
30	**PS&E**	**621 days**	**7/8/24**	**3/20/26**
31	**Conceptual Layout/Pre-30% PS&E**	**119 days**	**7/8/24**	**11/3/24**
32	Conceptual Layout Design	70 days	7/8/24	9/15/24
33	Conceptual Layout Submittal	0 days	9/16/24	9/16/24
34	Review and Coordination with TxDOT	48 days	9/17/24	11/3/24
35	**30% PS&E**	**89 days**	**10/6/24**	**1/2/25**
36	30% Design	75 days	10/6/24	12/19/24
37	30% Submittal	0 days	12/19/24	12/19/24
38	30% Review	14 days	12/20/24	1/2/25
39	**60% PS&E**	**181 days**	**1/3/25**	**7/2/25**
40	60% Design	167 days	1/3/25	6/18/25
41	60% Submittal	0 days	6/18/25	6/18/25
42	60% Review	14 days	6/19/25	7/2/25
43	**90% PS&E**	**100 days**	**7/3/25**	**10/10/25**
44	90% Design	86 days	7/3/25	9/26/25
45	90% Submittal	0 days	9/26/25	9/26/25
46	90% Review	14 days	9/27/25	10/10/25
47	**100% PS&E**	**91 days**	**10/11/25**	**1/9/26**
48	100% Design	70 days	10/11/25	12/19/25
49	100% Submittal	0 days	12/19/25	12/19/25
50	100% Review	21 days	12/20/25	1/9/26
51	**100% Final PS&E**	**70 days**	**1/10/26**	**3/20/26**
52	100% Final Design	70 days	1/10/26	3/20/26
53	100% Final Submittal	0 days	3/20/26	3/20/26



ATTACHMENT D - FEE SCHEDULE	
ADDITIONAL SERVICES FOR CORRIDOR A2 SEGMENT 1:	
LABOR	
LJA Engineering (Prime)	$ 27,700.00
LJA Survey (Survey)	$ 19,964.00
Raba Kistner (Geotech)	$ 15,215.01
DIRECT COSTS	
Raba Kistner (Geotech)	$ 46,341.06
TOTAL	**$ 109,220.07**

Corridor A2 Segment 1																	
	TASK DESCRIPTION	Project Principal 325.00 HOURS	Senior Project Manager 290.00 HOURS	Project Manager 260.00 HOURS	Quality Manager 260.00 HOURS	Senior Engineer 240.00 HOURS	Project Engineer 210.00 HOURS	Design Engineer 180.00 HOURS	Senior Designer 175.00 HOURS	Designer 125.00 HOURS	E.I.T. 150.00 HOURS	Senior Structural Engineer 260.00 HOURS	Structural Engineer 220.00 HOURS	Senior Engineering Technician 160.00 HOURS	Senior CADD Operator 145.00 HOURS	CADD Technician 120.00 HOURS	Admin 90.00 HOURS	Total HOURS
1.a	**Monthly Progress Report, Invoices, & Billings (10 months assumed)**																	
	Monthly Progress Reports			5													5	10
	Monthly Invoices			5													5	10
1.b	**Project Coordination & Administration**																	
	Prepare Project Records & Meeting Minutes			2							8						8	18
	Coordination with the GEC		4	2		4												10
	Manage Project Activities (emails, calls, meetings, manage/review subs, coordination)		8	8		8											8	32
1.c	**Progress/Coordination Meetings (20 external meetings assumed)**																	
	Kickoff and Progress Meetings with County and Representatives (30 Meetings)		2	8														10
	Prepare Agenda and Sign-in Sheets			4													4	8
	Prepare Meeting Minutes			4													8	12
	Internal Coordination Meetings		2	8		8	8											26
	TASK 1 TOTAL HOURS	0.0	16.0	46.0	0.0	20.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	38.0	136.0
	TASK 1 TOTAL FEE	$0	$4,640	$11,960	$0	$4,800	$1,680	$0	$0	$0	$1,200	$0	$0	$0	$0	$0	$3,420	$27,700
TASK 2 – SURVEYING																		
	(See LJA Survey Fee)																	
TASK 3 – GEOTECHNICAL SERVICES																		
	(See Raba Kistner Fee)																	
TASK 4 – ENVIRONMENTAL SERVICES																		
	(See SWCA Fee)																	
	TOTAL Corridor A2 Segment 1 Tasks																	
	TOTAL HOURS (LJA)	0.0	16.0	46.0	0.0	20.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	38.0	136.0
	TOTAL LABOR FEE (LJA)	$0	$4,640	$11,960	$0	$4,800	$1,680	$0	$0	$0	$1,200	$0	$0	$0	$0	$0	$3,420	$27,700

FM 971 LJA SURVEY									
TASK DESCRIPTION	Sr. Project Manager RPLS 220.00 HOURS	Project Manager RPLS 185.00 HOURS	Sr. Project Surveyor 160.00 HOURS	Project Surveyor 139.00 HOURS	Survey Technician 115.00 HOURS	Survey Draftsman 95.00 HOURS	Two Man Survey Crew 175.00 HOURS	Clerical 75.00 HOURS	Hours Total HOURS
TASK 2 – SURVEY									
ROW Acquisition Field Notes - Revise & Finalize	4	6	6	12	12	16	18	4	78
Field Surveying	2	8	4	4	8	8	24		58
TASK 2 TOTAL HOURS	6.0	14.0	10.0	16.0	20.0	24.0	42.0	4.0	136.0
TASK 2 TOTAL FEE	$1,320	$2,590	$1,600	$2,224	$2,300	$2,280	$7,350	$300	**$19,964**

CORRIDOR A2 SEG 1 (From FM 973 to CR 406) WILLIAMSON COUNTY Hourly Rate:	UNITS	SENIOR PROJECT ENGINEER $233.58	PROJECT MANAGER $204.10	DESIGN ENGINEER $182.03	PROJECT ENGINEER $159.12	EIT $146.07	Field Coordinator /Logger $119.02	Senior Geotech Technician $91.80	Senior GIS/CADD Tech $110.16	ADMIN $71.40	Sub Total	Hr/Unit	RKCI Labor
TASK		Hours									Hours		Cost
GEOTECHNICAL ENGINEERING SERVICES- LABOR													
											0		$ -
FIELD COORDINATION (STAKE BORINGS AND UTILITY LOCATE)							10	6			16		$ 1,741.00
FIELD EXPLORATION (INCLUDING DYNAMIC ONE PENETROMETER)								76			76		$ 6,976.80
PVR ANALYSES					2	4					6		$ 902.52
DRILLED SHAFT CAPACITIES (WINCORE capacity charts and Lpile parameters)			2		5	10					17		$ 2,664.50
FLEXIBLE PAVEMENT DESIGN ANALYSES			1								1		$ 204.10
DRAFT GEOTECHNICAL REPORT PREPARATION					4	6				3	13		$ 1,727.10
GEOTECHNICAL REPORT REVIEW & FINALIZATION			2		1	1				4	8		$ 998.99
													$ -
													$ -
TOTALS HOURS:	0	0	5	0	12	21	10	82	0	7	Row Total = 137 Column Total = 137		
LABOR COST:		$ -	$ 1,021	$ -	$ 1,909	$ 3,067	$ 1,190	$ 7,528	$ -	$ 500			$ 15,215.01
		0.0%	3.6%	0.0%	8.8%	15.3%	7.3%	59.9%	0.0%	5.1%			$ 15,215.01

UNIT EXPENSES:					
BASE SCOPE BRIDGE AND PAVEMENT BORINGS	**FIELD OPERATIONS**				
2.0 mile (approx. 10,600 lf)	Mobilization of Drill Rig	13	units	$600.00 each	$7,800.00
13 Pavement Borings to 15 ft (approx. 800 ft apart)	Logger truck	4	units	$68.01 day	$272.04
with DCP Testing	3" Thin-Wall Continuous Sampling	160	ft	$24.40 ft	$3,904.00
	NX Rock Coring (Shale)	260	ft	$40.31 ft	$10,480.60
1 Signal Boring to 40 ft	NX Rock Coring (Limestone)	0	ft	$53.04 ft	$0.00
TWO BRIDGE STRUCTURES	TCP with Intermittent Sampling	80	ft	$32.88 each	$2,630.40
1 Signal Boring to 40 ft	Standard Penetration Test (SPT)	0	ft	$29.92 each	$0.00
4 Bridge Borings to 70 ft (FM 973 to CR 406)	Bentonite Backfill	420	ft	$7.00 ft	$2,940.00
1 Signal Boring to 40 ft at CR 973	Concrete/AC Patch	0	units	$79.38 each	$0.00
	Standby (setup, cleanup, travel btw borings)	4	hrs	$284.29 hr	$1,137.16
	LABORATORY TESTING				
	Atterberg Limits	26	units	$125.84 each	$3,271.84
	Moisture Content	60	units	$16.65 each	$999.00
	Sieve Analysis (passing No. 4, 40, 200)	26	units	$120.04 each	$3,121.04
	Unconfined Compression (Rock)	70	units	$75.46 each	$5,282.20
	Lime Series (Tex-121-E Part III)	1	units	$452.33 each	$452.33
	Moisture Denisty Relationship (TEX-114-E)	1	units	$350.45 each	$350.45
	Texas Triaxial Compression (TEX-117-E)	1	units	$2,200.00 each	$2,200.00
TOTAL UNIT EXPENSES:					**$44,841.06**
OTHER DIRECT EXPENSES:					
	Utility Locates	1	days	$1,500.00 day	$1,500.00
TOTAL OTHER DIRECT EXPENSES:					**$1,500.00**
TOTAL PROJECT COST:					**$61,556.07**

Commissioners Court - Regular Session **45.**

Meeting Date: 06/10/2025

Corridor A2, Segment 2 - LJA - PSA Amendment #1 and SWA#1 to WA#1

Submitted By: Marie Walters, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on Contract Amendment No. 1 and Supplemental No. 1 to Work Authorization No. 1 to the Corridor A2 Segment 2 contract executed March 19, 2024, between Williamson County and LJA Engineering relating to the 2023 Road Bond Program. Project: P681 Fund Source: Road Bonds.

Background

This Contract Amendment No. 1 amends the Exhibit D - Rate Schedule in the Master Contract to allow for the addition of LJA surveying services and the execution of Supplemental No. 1 to Work Authorization No. 1, which is increased by $47,664.00 from $1,363,359.78 to $1,411,023.78 and extends the termination date to 10/31/2026.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Corridor A2, Segment 2 - LJA - PSA Amendment #1

Corridor A2, Segment 2 - LJA - SWA#1 to WA#1

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 10:17 AM
Form Started By: Marie Walters		Started On: 06/04/2025 02:50 PM
Final Approval Date: 06/05/2025		

CONTRACT AMENDMENT NO. 1
TO
WILLIAMSON COUNTY CONTRACT FOR ENGINEERING SERVICES

WILLIAMSON COUNTY ROAD BOND PROJECT: Corridor A2 Segment 2 ("Project")

THIS CONTRACT AMENDMENT NO. 1 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and LJA Engineering (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective March 19, 2024 (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

I. The hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D (must be attached).

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: Kenneth G Schrock Signature	By: _____ Signature
Kenneth G. Schrock, P E Printed Name	_____ Printed Name
Senior Vice President Title	_____ Title
3/21/2025 Date	_____ Date

APPROVED
By Christen Eschberger at 2:41 pm, Jun 04, 2025

EXHIBIT D - RATE SCHEDULE

No change to PSA rates

LJA ENGINEERING CORRIDOR A2 - SEGMENT 2	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Project Principal	$325.00
Senior Project Manager	$290.00
Project Manager	$260.00
Quality Manager	$260.00
Senior Engineer (15+ yrs)	$240.00
Project Engineer (10-15 yrs)	$210.00
Design Engineer (5-10 yrs)	$180.00
Senior Designer	$175.00
Designer	$125.00
Engineer-in-Training	$150.00
Senior Structural Engineer	$260.00
Structural Engineer	$220.00
Senior Engineering Technician	$160.00
Senior CADD Operator	$145.00
CADD Technician	$120.00
Project Representative	$130.00
Utility Coordinator	$140.00
Senior Utility Coordinator	$175.00
GIS Analyst/Cartography	$145.00
GIS Technician	$130.00
Admin	$90.00

No change to PSA rates

SWCA Environmental Consultants CORRIDOR A2 - SEGMENT 2	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Subject Matter Expert IV	$293.00
Subject Matter Expert III	$268.00
Subject Matter Expert II	$242.00
Subject Matter Expert I	$230.00
Specialist XII	$226.00
Specialist XI	$207.00
Specialist X	$189.00
Specialist IX	$169.00
Specialist VIII	$158.00
Specialist VII	$147.00
Specialist VI	$137.00
Specialist V	$123.00
Specialist IV	$114.00
Specialist III	$104.00
Specialist II	$91.00
Specialist I	$77.00

New rates - replacing Survwest - rates are comparable

LJA Survey CORRIDOR A2 - SEGMENT 2	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Principal RPLS	$240.00
Sr. Project Manager/RPLS	$220.00
Project Manager/RPLS	$185.00
Sr. Project Surveyor	$160.00
Project Surveyor	$139.00
Survey Technician	$115.00
Survey Draftsman	$95.00
One-Man Survey Crew	$137.00
Two-Man Survey Crew	$175.00
Three-Man Survey Crew	$209.00
Abstractor	$78.00
Clerical	$75.00

No change to PSA rates

RABA KISTNER CORRIDOR A2 - SEGMENT 2	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
Project Manager	$204.10
Sr. QC Reviewer	$255.00
Senior Project Engineer	$233.58
Project Engineer	$159.12
Design Engineer	$182.03
EIT	$146.07
Geotechnical Logger	$119.02
Senior Geotech Technician	$91.80
Geotech Technician	$77.22
Geotech Laboratory Technician	$82.74
Geologist	$154.02
Senior GIS Technician	$110.16
CADD Technician	$104.81
Administrative Coordinator	$71.40

Added Texas Triaxial Compression expense

RABA KISTNER CORRIDOR A2 - SEGMENT 2	
	RATE SCHEDULE IN PSA EXHIBIT D (per hour)
FIELD OPERATIONS	
Mobilization of drill rig	$ 600.00 each
Logger Truck	$ 68.01 per day
3 in. Thin wall Shelby Tube sampling	$ 24.40 per ft
Hollow Stem Drilling	$ 30.89 per ft
NX Rock Coring (shale)	$ 40.31 per ft
NX Rock Coring (limestone)	$ 53.04 per ft
Standard Penetration Testing (SPT)	$ 29.92 per test
TCP with intermittent sampling	$ 32.88 per test
Bentonite Backfill	$ 7.00 per ft
Standard Pavement Coring	$ 93.05 each
Concrete/AC patch	$ 79.38 each
Standby (setup time and cleanup)	$ 284.29 per hr
LABORATORY TESTING	
Atterberg Limits	$ 125.84 each
Moisture Content	$ 16.65 each
Sieve Analysis (passing No. 200)	$ 70.75 each
Sieve Analysis (passing No. 4, 40, 200)	$ 120.04 each
Sulfate Testing	$ 125.12 each
Unconfined Compression (Soil)	$ 60.06 each
Unconfined Compression (Rock)	$ 75.46 each
Direct Shear	$ 650.18 each
Consolidated Undrained (CU) Triaxial Comp Test	$ 1,925 each
Lime Series (Tex-121-E Part III)	$ 452.33 each
Moisture Denisty Relationship (TEX-114-E)	$ 350.45 each
Texas Triaxial Compression (TEX-117-E)	$ 2,200 each
California Bearing Ratio (ASTM D 1833) includes moisture-density relationship test and 3 test specimens	$ 1,011.05 each
Each additional specimen	$ 220.20 each

Reviewed by KEW on 6/2/25

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:
Corridor A2 Segment 2

This Supplemental Work Authorization No. _1_ to Work Authorization No. _1_ is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated __March__ _19th_, 20_24_ ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and ____LJA Engineering (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. _1_ dated effective __March__ _22nd_, 20_24_ (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on __October__ _31st_, 20_26 . The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased by $_ $47,664.00 __ from $_1,363,359.78_ to $_1,411,023.78_. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: _____ Signature	By: _____ Signature
Derek Bohls, PE Printed Name	_____ Printed Name
Vice President Title	_____ Title
5/16/2025 Date	_____ Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

APPROVED
By Christen Eschberger at 2:22 pm, Jun 03, 2025

ATTACHMENT B
ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER FOR CORRIDOR A2 SEGMENT 2 (CR 406 to SH 95)

PROJECT DESCRIPTION

Project Limits

The proposed limits are from CR 406 on the west end to SH 95 for a distance of approximately 1 miles.

Existing Facility

This new alignment road will tie into the existing CR 406 at the west end and SH 95 at the east end. Existing CR 406 is an 18' wide asphalt road with no pavement marking. SH 95 is a 46' wide three lane road (one southbound lane and two northbound lanes) with shoulders.

Proposed Facility

The proposed facility is a new 2-lane road with 2-12' lanes and 10' shoulders that will serve as the future frontage road of Corridor A2. The proposed ROW is generally 350'. The project includes two bridges at pond / stream crossings and a new traffic signal at SH 95.

Design Criteria

The project will be designed in accordance with the Williamson County and TxDOT design criteria. TxDOT design criteria will only apply to portions of the project within TxDOT ROW at the SH 95 intersection.

1. PROJECT MANAGEMENT

   a. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS (additional **10** months assumed):

      - Submit monthly progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

      - Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

   b. ADDITIONAL PROJECT COORDINATION & ADMINISTRATION:

      - Prepare and maintain routine project record keeping including records of meetings and minutes.

      - Correspondence and coordination will be handled through & with the concurrence of the GEC.

- Manage Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review sub-consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.

c. PROGRESS/COORDINATION MEETINGS (additional **20** external meetings assumed):

- Attend coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- Conduct internal coordination meetings as required to advance the development of the project.

2. SURVEYING

a. ROW ACQUISITION FIELD NOTES

- Review and revise right-of-way acquisition documents. Evaluate the field data, perform boundary analysis and prepare a set of field notes with sketch to accompany.

b. FIELD SURVEYING:

- Finalize survey of the corridor area at approximately 50 foot intervals and to include 100 feet on either side of the proposed roadway centerline as necessary to produce one-foot interval contours. Information collected will typically include as follows: visible improvements and visible utilities including driveways, water wells, storage tanks, drainage structures (size, material, flowline elevations), edge of pavement/shoulder, physical centerline, roadway striping, guardrail, fences, signs, mailboxes, top and bottom of drainage ditches, sidewalk, and trees 8" inch diameter and greater.

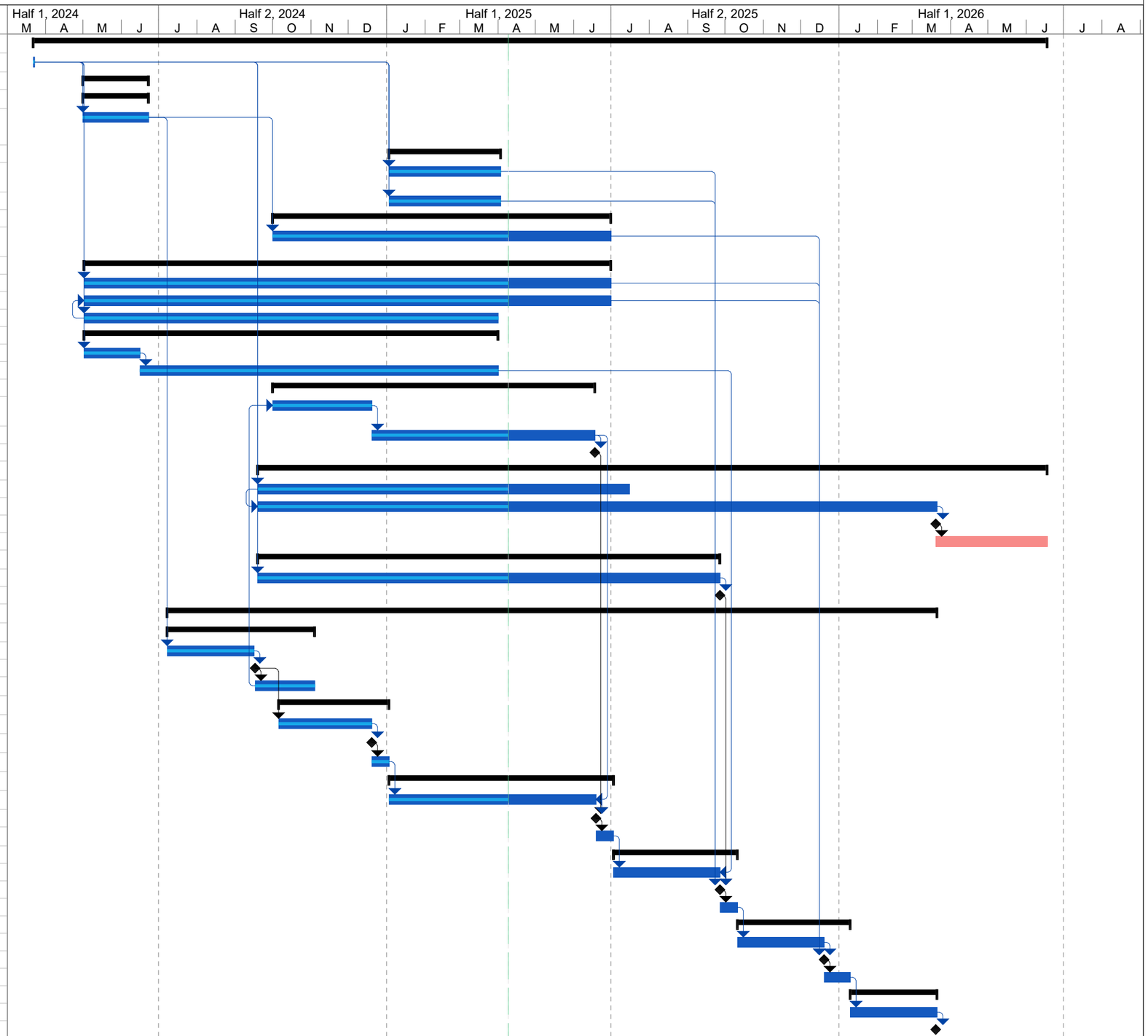
c. DELIVERABLES:

- Mapping in 2-D and 3-D MicroStation Files
- DTM of Proposed Corridor
- PDF and CADD file of Field Notes

ATTACHMENT C

Corridor A2 Segment 2 Project Schedule

ID	Task Name	Duration	Start	Finish
1	**Corridor A2 Segment 2**	**818 days**	**3/22/24**	**6/17/26**
2	CC Approval / NTP	1 day	3/22/24	3/22/24
3	**Route and Design Studies**	**53 days**	**5/1/24**	**6/22/24**
4	**Data Collection**	**53 days**	**5/1/24**	**6/22/24**
5	Collect Data, Design Criteria, Constraints Map, and Utility Location	53 days	5/1/24	6/22/24
6	**Public Involvement**	**90 days**	**1/3/25**	**4/2/25**
7	Public Involvement Support, Property Owner & Stakeholder Meetings	90 days	1/3/25	4/2/25
8	Support Property Owner Meetings	90 days	1/3/25	4/2/25
9	**Utility Coordination Support**	**273 days**	**10/1/24**	**6/30/25**
10	Receive Util Info, Incorporate into Eng Drawings, & Conduct Util Meetings	273 days	10/1/24	6/30/25
11	**Condemnation Support**	**425 days**	**5/2/24**	**6/30/25**
12	Condemnation Hearing Exhibit Support	425 days	5/2/24	6/30/25
13	Parcel Acquisition Documentation	425 days	5/2/24	6/30/25
14	Field Notes	334 days	5/2/24	3/31/25
15	**Surveying**	**334 days**	**5/2/24**	**3/31/25**
16	Right of Entry (ROE)	45 days	5/2/24	6/15/24
17	Field Survey	289 days	6/16/24	3/31/25
18	**Drainage Study**	**260 days**	**10/1/24**	**6/17/25**
19	Hydrologic/Hydraulic Modeling, Impact & Mitigation Analysis	80 days	10/1/24	12/19/24
20	Crossing Design/Scour Analysis	180 days	12/20/24	6/17/25
21	Final Drainage Report Submittal	0 days	6/17/25	6/17/25
22	**Environmental Compliance**	**637 days**	**9/19/24**	**6/17/26**
23	Env Field Work	300 days	9/19/24	7/15/25
24	Env Compliance Studies	548 days	9/19/24	3/20/26
25	Env Studies Submittal	0 days	3/20/26	3/20/26
26	TxDOT Review	90 days	3/20/26	6/17/26
27	**Geotechnical Services**	**373 days**	**9/19/24**	**9/26/25**
28	Geotech Field Work & Report	373 days	9/19/24	9/26/25
29	Geotech Report Submittal	0 days	9/26/25	9/26/25
30	**PS&E**	**621 days**	**7/8/24**	**3/20/26**
31	**Conceptual Layout/Pre-30% PS&E**	**119 days**	**7/8/24**	**11/3/24**
32	Conceptual Layout Design	70 days	7/8/24	9/15/24
33	Conceptual Layout Submittal	0 days	9/16/24	9/16/24
34	Review and Coordination with TxDOT	48 days	9/17/24	11/3/24
35	**30% PS&E**	**89 days**	**10/6/24**	**1/2/25**
36	30% Design	75 days	10/6/24	12/19/24
37	30% Submittal	0 days	12/19/24	12/19/24
38	30% Review	14 days	12/20/24	1/2/25
39	**60% PS&E**	**181 days**	**1/3/25**	**7/2/25**
40	60% Design	167 days	1/3/25	6/18/25
41	60% Submittal	0 days	6/18/25	6/18/25
42	60% Review	14 days	6/19/25	7/2/25
43	**90% PS&E**	**100 days**	**7/3/25**	**10/10/25**
44	90% Design	86 days	7/3/25	9/26/25
45	90% Submittal	0 days	9/26/25	9/26/25
46	90% Review	14 days	9/27/25	10/10/25
47	**100% PS&E**	**91 days**	**10/11/25**	**1/9/26**
48	100% Design	70 days	10/11/25	12/19/25
49	100% Submittal	0 days	12/19/25	12/19/25
50	100% Review	21 days	12/20/25	1/9/26
51	**100% Final PS&E**	**70 days**	**1/10/26**	**3/20/26**
52	100% Final Design	70 days	1/10/26	3/20/26
53	100% Final Submittal	0 days	3/20/26	3/20/26



ATTACHMENT D - FEE SCHEDULE	
ADDITIONAL SERVICES FOR CORRIDOR A2 SEGMENT 2:	
LABOR	
LJA Engineering (Prime)	$ 27,700.00
LJA Survey (Survey)	$ 19,964.00
TOTAL	**$ 47,664.00**

Corridor A2 Segment 2																	
TASK DESCRIPTION	Project Principal	Senior Project Manager	Project Manager	Quality Manager	Senior Engineer	Project Engineer	Design Engineer	Senior Designer	Designer	E.I.T.	Senior Structural Engineer	Structural Engineer	Senior Engineering Technician	Senior CADD Operator	CADD Technician	Admin	Total
	325.00	290.00	260.00	260.00	240.00	210.00	180.00	175.00	125.00	150.00	260.00	220.00	160.00	145.00	120.00	90.00	
	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
TASK 1 – PROJECT MANAGEMENT																	
1.a Monthly Progress Report, Invoices, & Billings (10 months assumed)																	
Monthly Progress Reports			5													5	10
Monthly Invoices			5													5	10
1.b Project Coordination & Administration																	
Prepare Project Records & Meeting Minutes			2							8						8	18
Coordination with the GEC		4	2		4												10
Manage Project Activities (emails, calls, meetings, manage/review subs, coordination)		8	8		8											8	32
1.c Progress/Coordination Meetings (20 external meetings assumed)																	
Kickoff and Progress Meetings with County and Representatives (30 Meetings)		2	8														10
Prepare Agenda and Sign-in Sheets			4													4	8
Prepare Meeting Minutes			4													8	12
Internal Coordination Meetings		2	8		8	8											26
TASK 1 TOTAL HOURS	0.0	16.0	46.0	0.0	20.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	38.0	136.0
TASK 1 TOTAL FEE	$0	$4,640	$11,960	$0	$4,800	$1,680	$0	$0	$0	$1,200	$0	$0	$0	$0	$0	$3,420	$27,700
TASK 2 – SURVEYING																	
(See LJA Survey Fee)																	
TASK 3 – ENVIRONMENTAL SERVICES																	
(See SWCA Fee)																	
TOTAL Corridor A2 Segment 2 Tasks																	
TOTAL HOURS (LJA)	0.0	16.0	46.0	0.0	20.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	38.0	136.0
TOTAL LABOR FEE (LJA)	$0	$4,640	$11,960	$0	$4,800	$1,680	$0	$0	$0	$1,200	$0	$0	$0	$0	$0	$3,420	$27,700

FM 971 LJA SURVEY									
TASK DESCRIPTION	Sr. Project Manager RPLS 220.00 HOURS	Project Manager RPLS 185.00 HOURS	Sr. Project Surveyor 160.00 HOURS	Project Surveyor 139.00 HOURS	Survey Technician 115.00 HOURS	Survey Draftsman 95.00 HOURS	Two Man Survey Crew 175.00 HOURS	Clerical 75.00 HOURS	Hours Total HOURS
TASK 2 – SURVEY									
ROW Acquisition Field Notes - Revise & Finalize	4	6	6	12	12	16	18	4	78
Field Surveying	2	8	4	4	8	8	24		58
TASK 2 TOTAL HOURS	6.0	14.0	10.0	16.0	20.0	24.0	42.0	4.0	136.0
TASK 2 TOTAL FEE	$1,320	$2,590	$1,600	$2,224	$2,300	$2,280	$7,350	$300	**$19,964**

Commissioners Court - Regular Session **46.**

Meeting Date: 06/10/2025

Interlocal Agreement with City of Georgetown for FM 971

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an Interlocal Agreement with the City of Georgetown regarding the participation in the design and construction costs related to the FM 971 project. Funding Source: 2019 Bond P688.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

ILA

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 12:48 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 04:47 PM
Final Approval Date: 06/05/2025		

INTERLOCAL AGREEMENT
REGARDING THE PARTICIPATION OF THE CITY OF GEORGETOWN, TEXAS, AND WILLIAMSON COUNTY, TEXAS, IN THE DESIGN AND CONSTRUCTION COSTS RELATED TO THE FM 971 PROJECT

THE STATE OF TEXAS §
§ KNOW ALL BY THESE PRESENTS:
COUNTY OF WILLIAMSON §

THIS INTERLOCAL AGREEMENT ("**Agreement**") is entered into between the City of Georgetown, Texas ("**City**"), a Texas home-rule municipality, and Williamson County, a political subdivision of the State of Texas ("**County**"). In this Agreement, City and the County are sometimes individually referred to as a "**Party**" and collectively referred to as the "**Parties**."

WHEREAS, V.T.C.A., Government Code, Chapter 791, the Texas Interlocal Cooperation Act, provides that any one or more public agencies may contract with each other for the performance of governmental functions or services for the promotion and protection of the health and welfare of the inhabitants of this State and the mutual benefit of the parties;

WHEREAS, the City is and has been in the process of designing and constructing improvements to FM 971 from Gann Street to State Highway 130, as shown in Exhibit "A" attached hereto ("City Project");

WHEREAS, the County desires to cooperate with the City to facilitate the construction of the City Project; and

NOW, THEREFORE, in consideration of the foregoing premises, and for other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the County and City agree as follows:

PURPOSE

1.01 General. The purpose of this Agreement is to provide for the County's participation in the design, right-of-way acquisition, utility relocation, and construction of the City Project.

II.
DESIGN AND CONSTRUCTION OF CITY PROJECT

2.01 Design of City Project. The City shall be responsible for contracting with a firm ("Design Firm") regarding the engineering and design for the City Project. The County has reviewed the 30% design schematic for the City Project and will be provided a copy of the Task Order with the Design Firm for the 100% design and construction oversight. The City shall ensure that the design includes the following:

Reconstruction of existing FM 971 as a four-lane road between Gann Street and SH 130.

2.02 Design and Construction Costs. The City shall be responsible for all costs associated with the preliminary and final design, right-of-way acquisition, utility relocation, construction bidding, project management, and all other costs related to the City Project ("Project Cost"). The estimated Project Cost is $28,478,410.

2.03 Construction Plans. The City shall schedule periodic progress meetings with the County of not less than one per month, unless otherwise agreed by both Parties, and the County shall have the right to review and approve all construction documents prior to finalization by the engineer.

2.04 Permits. The City shall be responsible for obtaining permits, if any, required for the construction of the City Project.

2.05 Operation and Maintenance After Acceptance. The Texas Department of Transportation shall be responsible for the operation and maintenance of the roadway. Notwithstanding the foregoing, the parties acknowledge and agree that the County will not be responsible for the operation and maintenance of the City Project improvements.

III.
COUNTY OBLIGATIONS

3.01 County Payment. The County shall reimburse the City for the City Project in an amount not to exceed FOUR MILLION AND NO/100 DOLLARS ($4,000,000.00) for the design, right-of-way acquisition, and construction, including utility relocation costs (together "County Participation Amount"). The City will submit reimbursement requests up to the County Participation Amount using the following payment schedule: 25% upon full execution of the Agreement between the City and the County, 25% upon awarding the contract for design, 25% when design is complete, and 25% upon bid award of any phase of construction. The payment schedule is anticipated to follow the milestones identified in the anticipated project schedule shown in Exhibit "B" attached hereto.

Each reimbursement request will be submitted in a timely manner with proper documentation to support the expenditures. The County shall make a good faith effort to remit payment to the City, up to the total County Participation Amount, within thirty (30) days after receipt date of reimbursement request from the City.

3.02 County's Right to Audit. City agrees that County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of City which are directly pertinent to the services to be performed and amounts expended under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. City agrees that County shall have access during normal working hours to all necessary City facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. County shall give City reasonable advance notice of intended audits.

IV.
DISPUTES

4.01 Material Breach; Notice and Opportunity to Cure.

(a) In the event that one Party believes that another Party has materially breached one of the provisions of this Agreement, the non-defaulting Party will make written demand to cure and give the defaulting Party up to 30 days to cure such material breach or, if the curative action cannot reasonably be completed within 30 days, the defaulting Party will commence the curative action within 30 days and thereafter diligently pursue the curative action to completion. Notwithstanding the foregoing, any matters specified in the default notice which may be cured solely by the payment of money must be cured within 10 days after receipt of the notice. This applicable time period must pass before the non-defaulting Party may initiate any remedies available to the non-defaulting party due to such breach.

(b) Any non-defaulting Party will mitigate direct or consequential damages arising from any breach or default to the extent reasonably possible under the circumstances.

(c) The Parties agree that they will negotiate in good faith to resolve any disputes and may engage in non-binding mediation, arbitration, or other alternative dispute resolution methods as recommended by the laws of the State of Texas.

4.02 Equitable Relief. In recognition that failure in the performance of the Parties' respective obligations could not be adequately compensated in monetary damages alone, the Parties agree that after providing notice and an opportunity to cure in accordance with Section 4.01 above, the Parties shall have the right to request any court, agency or other governmental authority of appropriate jurisdiction to grant any and all remedies which are appropriate to assure conformance to the provisions of this Agreement. The defaulting Party shall be liable to the other for all costs actually incurred in pursuing such remedies, including reasonable attorney's fees, and for any penalties or fines as a result of the failure to comply with the terms including, without limitation, the right to obtain a writ of mandamus or an injunction requiring the governing body of the defaulting party to levy and collect rates and charges or other revenues sufficient to pay the amounts owed under this Agreement.

4.03 Agreement's Remedies Not Exclusive. The provisions of this Agreement providing remedies in the event of a Party's breach are not intended to be exclusive remedies. The Parties retain, except to the extent released or waived by the express terms of this Agreement, all rights at law and in equity to enforce the terms of this Agreement.

V.
GENERAL PROVISIONS

5.01 Authority. This Agreement is made in part under the authority conferred in Chapter 791, *Texas Government Code.*

5.02 Term. This Agreement shall commence upon execution of this Agreement and shall end upon the completion of the City Project and completion of all County Obligations.

5.03 Severability. The provisions of this Agreement are severable and, if any provision of this Agreement is held to be invalid for any reason by a court or agency of competent jurisdiction, the remainder of this Agreement will not be affected and this Agreement will be construed as if the invalid portion had never been contained herein.

5.04 Payment from Current Revenues. Any payments required to be made by a Party under this Agreement will be paid from current revenues or other funds lawfully available to the Party for such purpose.

5.05 Cooperation. The Parties agree to cooperate at all times in good faith to effectuate the purposes and intent of this Agreement.

5.06 Entire Agreement. This Agreement contains the entire agreement of the Parties regarding the subject matter hereof and supersedes all prior or contemporaneous understandings or representations, whether oral or written, regarding the subject matter and only relates to those portions of the City Project shown in Exhibit A.

5.07 Amendments. Any amendment of this Agreement must be in writing and will be effective if signed by the authorized representatives of the Parties.

5.08 Applicable Law; Venue. This Agreement will be construed in accordance with Texas law. The venue for any action arising hereunder will be in Williamson County, Texas.

5.09 Notices. Any notices given under this Agreement will be effective if (i) forwarded to a Party by hand-delivery; (ii) transmitted to a Party by confirmed telecopy; or (iii) deposited with the U.S. Postal Service, postage prepaid, certified, to the address of the Party indicated below:

GEORGETOWN: _____
_____
_____
_____

COUNTY: 710 S. Main Street
Georgetown, Texas 78626
Attn: County Judge
Telephone: (512) 943-1550
Facsimile: (512) 943-1662

5.10 Counterparts; Effect of Partial Execution. This Agreement may be executed simultaneously in multiple counterparts, each of which will be deemed an original, but all of which will constitute the same instrument.

5.11 Authority. Each Party represents and warrants that it has the full right, power, and authority to execute this Agreement.

5.12 Effective Date. This Agreement is executed to be effective on the date the last Party signs this Agreement. If the Project has not been completed within five (5) years after the Effective Date, the County reserves the right to terminate this agreement.

5.13 No Joint Venture. The City Project is a sole project of the City and is not a joint venture or other partnership with the County.

(SIGNATURES ON FOLLOWING PAGE)

THE CITY OF GEORGETOWN, TEXAS

By: _____

Name: Josh Schroeder

Its: May 13, 2025

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

THIS INSTRUMENT was acknowledged before me on this 13th day of May, 2025, by Josh Schroeder as Mayor of the City of Georgetown, Texas, on behalf of said City.

Robyn Densmore
Notary Public, State of Texas

ROBYN LOUISE DENSMORE
Notary ID #125657056
My Commission Expires
April 15, 2026

WILLIAMSON COUNTY, TEXAS

By:_____
Steven Snell, County Judge

ATTEST:

By: _____
Nancy Rister, County Clerk

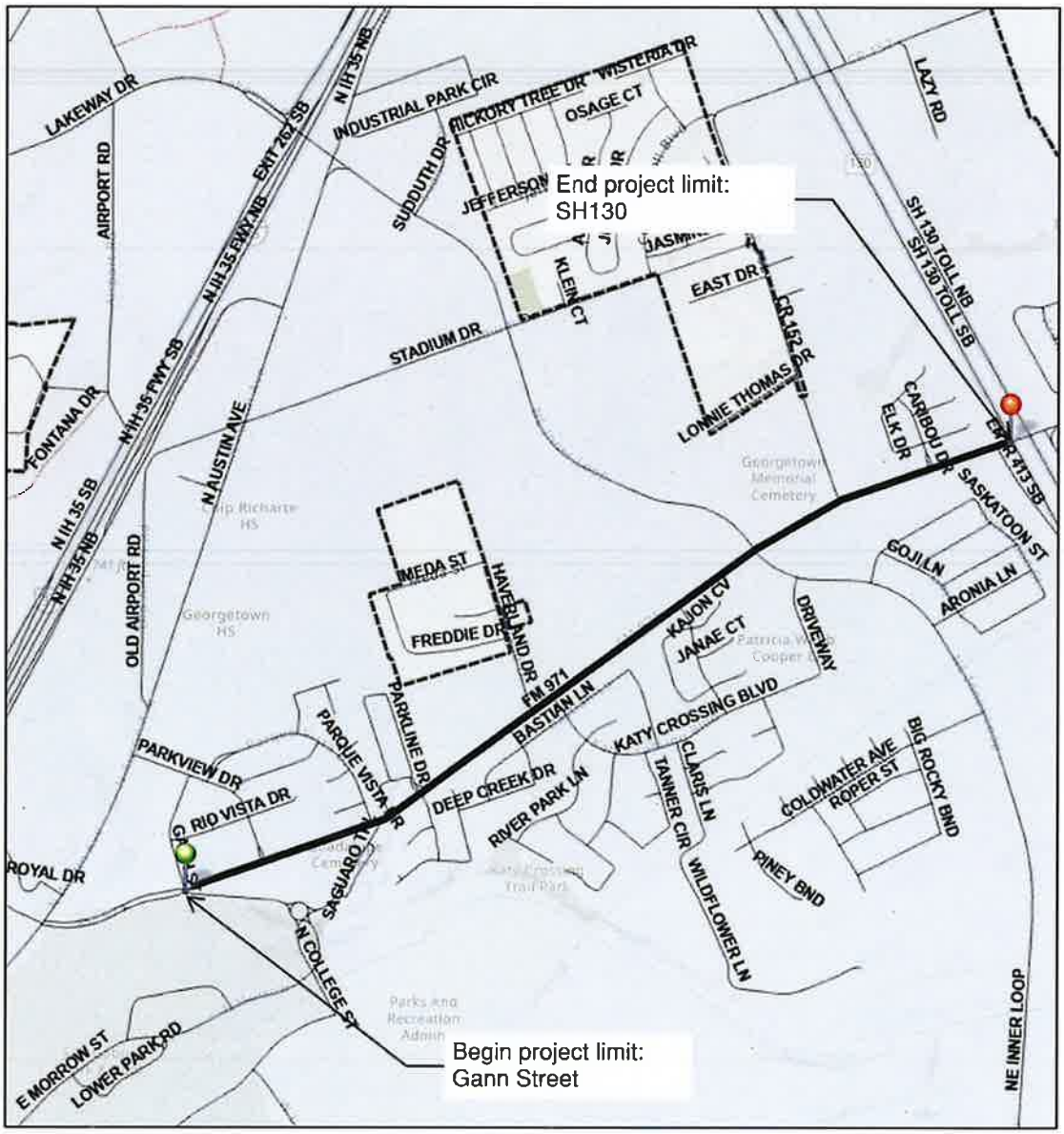
THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

THIS INSTRUMENT was acknowledged before me on this _____, by _____, County Judge of Williamson County, Texas, on behalf of said County.

_____
Notary Public, State of Texas

Exhibit "A"

FM971 (Gann St - SH130)



3/6/2023, 2:13:19 PM

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Georgetown ETJ

Georgetown City Limits-Zoomed Out

Streets

OPEN

Not Active

Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Baylor University, County of Williamson, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

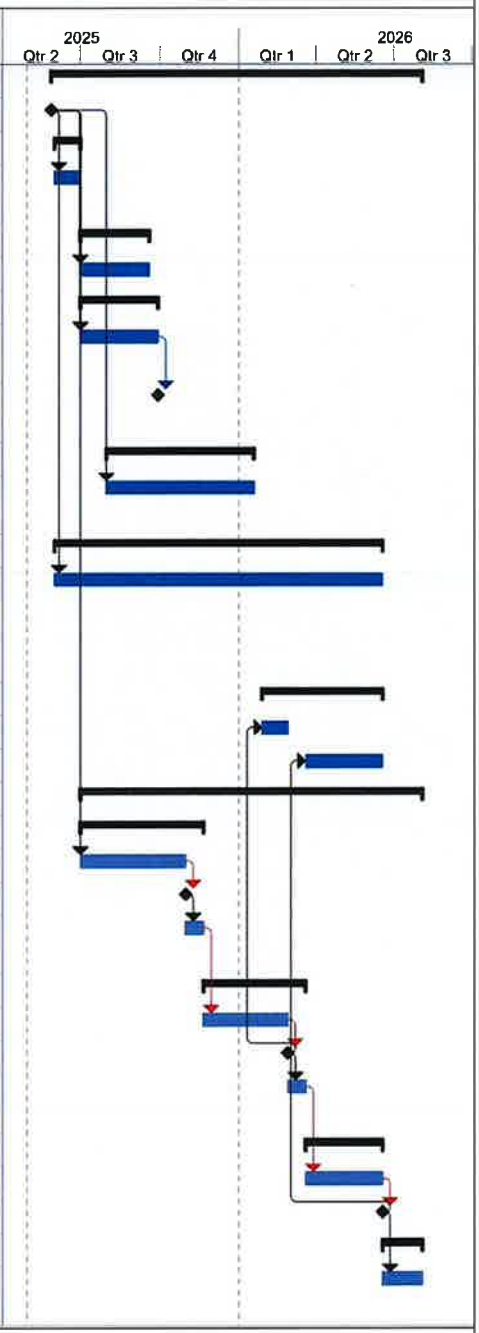
Georgetown Systems Engineering

Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, Baylor University, County of Williamson, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin,

Exhibit "B"

FM 971 Project Design Schedule

ID	Task Name	Duration	Start	Finish
1	FM 971 - PS&E	433 days	5/28/25	8/3/26
2	NTP	0 days	5/28/25	5/28/25
3	Data Collection	30 days	6/1/25	6/30/25
4	Collect Data, Review Design Criteria, Files	30 days	6/1/25	6/30/25
5	Surveying	80 days	7/1/25	9/18/25
6	Field Survey	80 days	7/1/25	9/18/25
7	Geotech Services	90 days	7/1/25	9/28/25
8	Geotech Field Work & Report	90 days	7/1/25	9/28/25
9	Geotech Report Submittal	0 days	9/28/25	9/28/25
10	Environmental	172 days	7/31/25	1/18/26
11	Geologic Assessment	172 days	7/31/25	1/18/26
12	Utility Coordination	382 days	6/1/25	6/17/26
13	Coordinate with Utility Owners, Conflict Matrix, Permits, Agreements	382 days	6/1/25	6/17/26
14	Water Quality	141 days	1/28/26	6/17/26
15	Draft WPAP	30 days	1/28/26	2/26/26
16	Final WPAP	90 days	3/20/26	6/17/26
17	PS&E	399 days	7/1/25	8/3/26
18	60% PS&E	143 days	7/1/25	11/20/25
19	60% Design	122 days	7/1/25	10/30/25
20	60% Submittal	0 days	10/30/25	10/30/25
21	60% City & TxDOT Review	21 days	10/31/25	11/20/25
22	90% PS&E	119 days	11/21/25	3/19/26
23	90% Design	98 days	11/21/25	2/26/26
24	90% Submittal	0 days	2/26/26	2/26/26
25	90% City & TxDOT Review	21 days	2/27/26	3/19/26
26	100% PS&E	90 days	3/20/26	6/17/26
27	100% Design	90 days	3/20/26	6/17/26
28	100% Submittal	0 days	6/17/26	6/17/26
29	Bid Phase Services	47 days	6/18/26	8/3/26
30	Bid Phase Services	47 days	6/18/26	8/3/26



FM 971 - PS&E Schedule

Commissioners Court - Regular Session **47.**

Meeting Date: 06/10/2025

Interlocal Agreement with the City of Georgetown for CR 255

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an Interlocal Agreement with the City of Georgetown regarding the relocation of water system improvements on CR 255. Funding Source: TANS P588

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

ILA

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:02 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 04:54 PM
Final Approval Date: 06/05/2025		

INTERLOCAL AGREEMENT REGARDING
RELOCATION OF WATER SYSTEM IMPROVEMENTS
COUNTY ROAD 255

THE STATE OF TEXAS §
§ KNOW ALL BY THESE PRESENTS:
COUNTY OF WILLIAMSON §

THIS INTERLOCAL AGREEMENT REGARDING RELOCATION OF WATER SYSTEM IMPROVEMENTS ("**Agreement"**) is entered into between the City of Georgetown, Texas (the "**City**"), a Texas home-rule municipality, and Williamson County, Texas, a political subdivision of the State of Texas (the "**County**"). In this Agreement, the City and the County are sometimes individually referred to as "**a Party**" and collectively referred to as "**the Parties.**"

WHEREAS, the County is and has been in the process of designing and acquiring property for the proposed construction of improvements to County Road 255, the location of which is shown on Exhibit "A", attached hereto (the "County Project"); and

WHEREAS, some of the proposed County Project includes the widening of the right-of-way into easements in which the City's water system improvements are or will be located; and

WHEREAS, the Parties have determined that, because of the County Project, the relocation of City water lines is necessary (the "Relocation Project"); and

WHEREAS, plans and specifications for the relocation of the City water lines affected by the County Project are attached hereto as Exhibit "B" (the "Plans"); and

WHEREAS, this Agreement sets forth the terms and conditions pursuant to which the County shall relocate the City's water system improvements in certain segments of the County Project.

NOW, THEREFORE, in consideration of the foregoing premises and the mutual promises and agreements of the Parties contained in this Agreement, the Parties agree as follows:

I.
GENERAL STATEMENT

1.01 General. The purpose of this Agreement is to provide for the County's relocation and construction of City waterline improvements caused by the County's construction of the County Project.

1.02 Prior Rights for Future Relocations. Should the County or its successors require the relocation of the City water system improvements relocated by this Agreement of the type and within the limits identified in Exhibit "C" attached hereto, the County shall, at its own expense, be responsible for all costs associated with said relocation, including the acquisition of new easements, if necessary. The obligations of this section survive any termination of this Agreement.

1.03 Continuation of Service. The County agrees that the County Project shall be undertaken so as to minimize any disruption of water service to existing customers of the City and will not result in the permanent loss of water service to any such customers.

II.
DESIGN AND CONSTRUCTION OF THE RELOCAITON PROJECT

2.01 Design of the Relocation Project. The Plans for the Relocation Project have been reviewed and approved by the City. The County shall provide the City with final as-builts at the completion of the construction of the Relocation Project.

2.02 Apportionment of Cost. The Parties mutually acknowledge and agree that the County shall, at its own expense, construct all physical improvements that constitute the Relocation Project. The total estimated cost for design and construction for the Relocation Project is SIX MILLION ONE HUNDRED SIXTEEN THOUSAND NINE HUNDRED FIFTY-THREE AND 05/100 DOLLARS ($6,116,953.05) ("Construction Costs"). The City's estimated share of the Construction Costs is 24.41% and the County's estimated share is 75.59%.

2.03 Payment and Maintenance. Pursuant to Section 2.02, the City shall reimburse the County for the County Project in an amount not to exceed ONE MILLION FOUR HUNDRED NINETY-THREE THOUSAND ONE HUNDRED FORTY-EIGHT and 24/100 Dollars ($1,493,148.24) for the design, right-of-way acquisition, and construction (together "City Participation Amount"). The County will submit reimbursement requests up to the City Participation Amount using the following payment schedule: 25% upon full execution of the Agreement between the City and the County, 25% upon awarding bid, 25% when construction is 50% complete, as determined by the value of the work completed to date against the contract amount, and 25% upon substantial completion. The payment schedule is anticipated to follow the milestones identified in the anticipated project schedule shown in Exhibit "D" attached hereto. Each reimbursement request will be submitted in a timely manner with proper documentation to support the expenditures. The City shall make a good faith effort to remit payment to the County, up to the total City Participation Amount, within thirty (30) days after receipt of the reimbursement request from the County. After acceptance, the City shall own and maintain the facilities included within the Relocation Project.

2.04 Construction Plans. The Relocation Project will be jointly bid and constructed with the County Project in accordance with the Plans.

2.05 Inspection. The City may inspect the relocation of the waterlines during construction. If the City's inspectors determine that the construction by the County is not in accordance with the approved Plans and upon receipt of such notification from the City, the County shall cease construction until the deficiency can be identified and a corrective plan of construction implemented with the agreement of the City.

2.06 Insurance, Bonds, Warranties, and Construction Permits. The County shall require the contractor for the County Project to name the City as an additional insured on any policies related to the County Project. The County shall require the contractor to provide performance bonds, payment bonds, and maintenance bonds in favor of the City for the Relocation

Project in amounts satisfactory to the City. The County shall transfer any warranties for the Relocation Project to the City upon final completion and acceptance of the project. The County and/or its contractor or agents shall be solely responsible for obtaining all regulatory permits or other approvals that are required to carry out construction of the Relocation Project in accordance with the Plans, however, the City shall promptly provide any reasonable assistance or information, at no cost to City, requested to assist with any permit submission process.

2.07 City's Right to Audit. County agrees that the City or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of the County which are directly pertinent to the services to be performed and amounts expended under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. County agrees that City shall have access during normal working hours to all necessary County facilities and shall be provided adequate and appropriate workspace in order to conduct audits in compliance with the provisions of this section. City shall give County reasonable advance notice of intended audits.

III.
DISPUTES

3.01 Material Breach; Notice and Opportunity to Cure.

(a) In the event that one Party believes that another Party has materially breached one of the provisions of this Agreement, the non-defaulting Party will make written demand to cure and give the defaulting Party up to 30 days to cure such material breach or, if the curative action cannot reasonably be completed within 30 days, the defaulting Party will commence the curative action within 30 days and thereafter diligently pursue the curative action to completion. Notwithstanding the foregoing, any matters specified in the default notice which may be cured solely by the payment of money must be cured within 10 days after receipt of the notice. This applicable time period must pass before the non-defaulting Party may initiate any remedies available to the non-defaulting party due to such breach.

(b) Any non-defaulting Party will mitigate direct or consequential damage arising from any breach or default to the extent reasonably possible under the circumstances.

(c) The Parties agree that they will negotiate in good faith to resolve any disputes and may engage in non-binding mediation, arbitration or other alternative dispute resolution methods as recommended by the laws of the State of Texas.

3.02 Equitable Relief. In recognition that failure in the performance of the Parties' respective obligations could not be adequately compensated in money damages alone, the Parties agrees that after providing notice and an opportunity to cure in accordance with Section 3.01 above, the Parties shall have the right to request any court, agency or other governmental authority of appropriate jurisdiction to grant any and all remedies which are appropriate to assure conformance to the provisions of this Agreement. The defaulting Party shall be liable to the other for all costs actually incurred in pursuing such remedies and for any penalties or fines as a result of the failure to comply with the terms including, without limitation, the right to obtain a writ of

mandamus or an injunction requiring the governing body of the defaulting party to levy and collect rates and charges or other revenues sufficient to pay the amounts owed under this Agreement.

3.03 Agreement's Remedies Not Exclusive. The provisions of this Agreement providing remedies in the event of a Party's breach are not intended to be exclusive remedies. The Parties retain, except to the extent released or waived by the express terms of this Agreement, all rights at law and in equity to enforce the terms of this Agreement.

IV.
GENERAL PROVISIONS

4.01 Authority. This Agreement is made in part under the authority conferred in Chapter 791, *Texas Government Code*.

4.02 Term. This Agreement shall commence upon execution of this Agreement and shall end upon the completion of the Relocation Project and the City's acceptance of the water system improvements.

4.03 Severability. The provisions of this Agreement are severable and, if any provision of this Agreement is held to be invalid for any reason by a court or agency of competent jurisdiction, the remainder of this Agreement will not be affected, and this Agreement will be construed as if the invalid portion had never been contained herein.

4.04 Payments from Current Revenues. Any payments required to be made by a Party under this Agreement will be paid from current revenues available to the Party for such purpose.

4.05 Cooperation. The Parties agree to cooperate at all times in good faith to effectuate the purposes and intent of this Agreement.

4.06 Entire Agreement. This Agreement contains the entire agreement of the Parties regarding the subject matter hereof and supersedes all prior or contemporaneous understandings or representations, whether oral or written, regarding the subject matter and only relates to those portions of the County Project shown in the Project Plans.

4.07 Amendments. Any amendment of this Agreement must be in writing and will be effective if signed by the authorized representatives of the Parties.

4.08 Applicable Law; Venue. This Agreement will be construed in accordance with Texas law. Venue for any action arising hereunder will be in Williamson County, Texas.

4.09 Notices. Any notices given under this Agreement will be effective if (i) forwarded to a Party by hand-delivery; (ii) transmitted to a Party by confirmed fax machine; or (iii) deposited with the U.S. Postal Service, postage prepaid, certified, to the address of the Party indicated below:

CITY:
City of Georgetown
808 Martin Luther King Jr St.
Georgetown, Texas 78626
Attn: City Manager

Telephone: (512) 930-3652
Facsimile: (512) 930-3559
Email: david.morgan@georgetown.org

COUNTY: Williamson County
710 Main Street, Suite 101
Georgetown, Texas 78626
Attn: County Judge
Telephone: (512) 943-1577

4.10 Counterparts; Effect of Partial Execution. This Agreement may be executed simultaneously in multiple counterparts, each of which will be deemed an original, but all of which will constitute the same instrument.

4.11 Authority. Each Party represents and warrants that it has the full right, power and authority to execute this Agreement.

Exhibit A: Project Location
Exhibit B: Plans
Exhibit C: Prior Rights Location
Exhibit D: Payment Schedule

(SIGNATURES ON THE FOLLOWING PAGE)

CITY OF GEORGETOWN, TEXAS

By:_____
Josh Schroeder, Mayor

ATTEST:

By:_____
Robyn Densmore, City Secretary

APPROVED AS TO FORM:

By:_____
Skye Masson, City Attorney

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

THIS INSTRUMENT was acknowledged before me on this 27 day of May, 2025, by Josh Schroeder as Mayor of the City of Georgetown, a Texas home-rule city, on behalf of said city.

KAREN FROST
Notary Public, State of Texas
Comm. Expires 05-24-2028
Notary ID 10536084

_____
Notary Public, State of Texas

WILLIAMSON COUNTY, TEXAS

By:_____
Steven Snell, County Judge

ATTEST:

By: _____
Nancy Rister, County Clerk

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

THIS INSTRUMENT was acknowledged before me on this ____ day of _____, 2025, by _____, County Judge of Williamson County, Texas, on behalf of said County.

_____
Notary Public, State of Texas

Exhibit A: Project Location

100% SUBMITTAL

WILLIAMSON COUNTY

CR 255
PRECINCT NUMBER 3

WILLIAMSON COUNTY PROJECT NO. 25IFB9

NET LENGTH OF ROADWAY = 15,254.49 FT (2.88 MILES)
NET LENGTH OF BRIDGES = 0.00 FT (0.000 MILES)
NET LENGTH OF PROJECT = 15,254.49 FT (2.88 MILES)

LIMITS: FROM CR 254 TO RONALD REAGAN BOULEVARD IN WILLIAMSON COUNTY.

FOR THE CONSTRUCTION OF A TWO LANE ROADWAY, INCLUDING EARTHWORK, GRADING, DRAINAGE & STRUCTURES, BASE COURSE, ASPHALTIC CONCRETE PAVEMENT AND PAVEMENT MARKINGS.

FUNCTIONAL CLASSIFICATION	= MINOR COLLECTOR
DESIGN SPEED	= 45 MPH
ADT (2015)	= 1800
DHV (2015)	= 180
ADT (2035)	= 3600
DHV (2035)	= 360

255 DESIGN SPEED = 30 MPH
CR 289 & BIG VALLEY SPUR DESIGN SPEED = 30 MPH
POWDER HORN DESIGN SPEED = 25 MPH
RONALD REAGAN BLVD DESIGN SPEED = 60 MPH

INDEX OF SHEETS

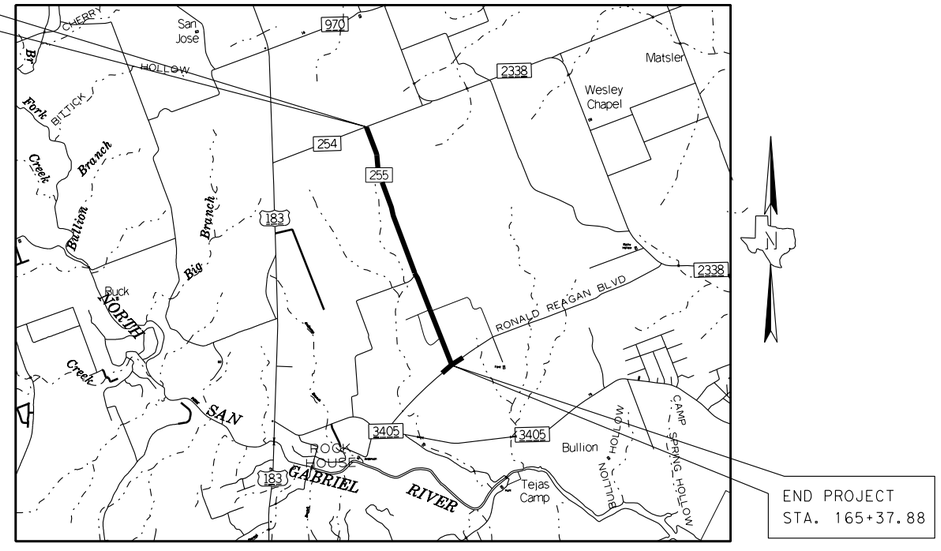
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE
WATERSHED: NORTH FORK OF SAN GABRIEL RIVER
AREA OF DISTURBANCE: 57.1 ACRES

PREPARED BY:
SEILER LANKES GROUP (DESIGN CONSULTANT)

GERALD LANKES, PE — DATE
PROJECT MANAGER

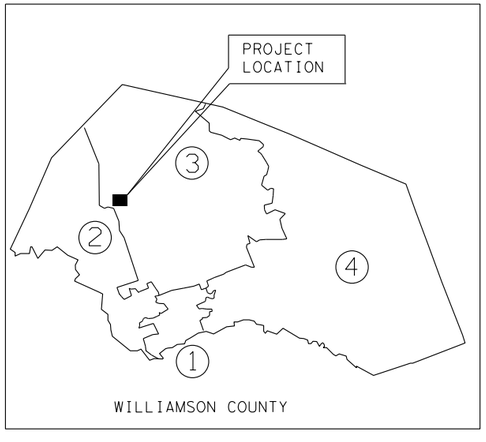
BEGIN PROJECT
STA. 12+83.29



END PROJECT
STA. 165+37.88

VICINITY MAP
N.T.S.

REQUIRED SIGNS SHALL BE PLACED IN ACCORDANCE WITH STANDARD SHEETS BC(1)-21 THRU BC(12)-21 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.:



WILLIAMSON COUNTY

TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES ADOPTED ON NOVEMBER 1, 2014 AND ALL APPLICABLE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS AS INDICATED IN THE BID DOCUMENTS SHALL GOVERN ON THIS PROJECT.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

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APPROVED AND RECOMMENDED FOR CONSTRUCTION:

MATT WILLIAMSON, P.E. — DATE
DIRECTOR OF ROAD AND BRIDGE DIVISION
WILLIAMSON COUNTY

VALERIE COVEY — DATE
PRECINCT 3 COMMISSIONER

APPROVED BY:
HNTB CORPORATION

CHRISTEN ESCHBERGER, PE — DATE
ROAD BOND MANAGEMENT TEAM

BILL GRAVELL JR. — DATE
WILLIAMSON COUNTY JUDGE

USER: korahoske
DATE: 11/6/2024 2:04
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Exhibit B: Plans

100% SUBMITTAL

WILLIAMSON COUNTY

CR 255
PRECINCT NUMBER 3

WILLIAMSON COUNTY PROJECT NO. 251FB9

NET LENGTH OF ROADWAY = 15,254.49 FT (2.88 MILES)
NET LENGTH OF BRIDGES = 0.00 FT (0.000 MILES)
NET LENGTH OF PROJECT = 15,254.49 FT (2.88 MILES)

LIMITS: FROM CR 254 TO RONALD REAGAN BOULEVARD
IN WILLIAMSON COUNTY.

FOR THE CONSTRUCTION OF A TWO LANE ROADWAY,
INCLUDING EARTHWORK, GRADING, DRAINAGE & STRUCTURES,
BASE COURSE, ASPHALTIC CONCRETE PAVEMENT AND PAVEMENT MARKINGS.

FUNCTIONAL CLASSIFICATION	= MINOR COLLECTOR
DESIGN SPEED	= 45 MPH
ADT (2015)	= 1800
DHV (2015)	= 180
ADT (2035)	= 3600
DHV (2035)	= 360

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CR 289 & BIG VALLEY SPUR DESIGN SPEED = 30 MPH
POWDER HORN DESIGN SPEED = 25 MPH
RONALD REAGAN BLVD DESIGN SPEED = 60 MPH

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS

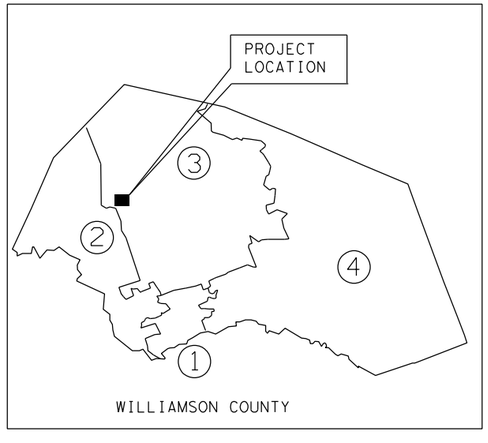
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE
WATERSHED: NORTH FORK OF SAN GABRIEL RIVER
AREA OF DISTURBANCE: 57.1 ACRES

PREPARED BY:
SEILER LANKES GROUP (DESIGN CONSULTANT)

GERALD LANKES, PE
PROJECT MANAGER

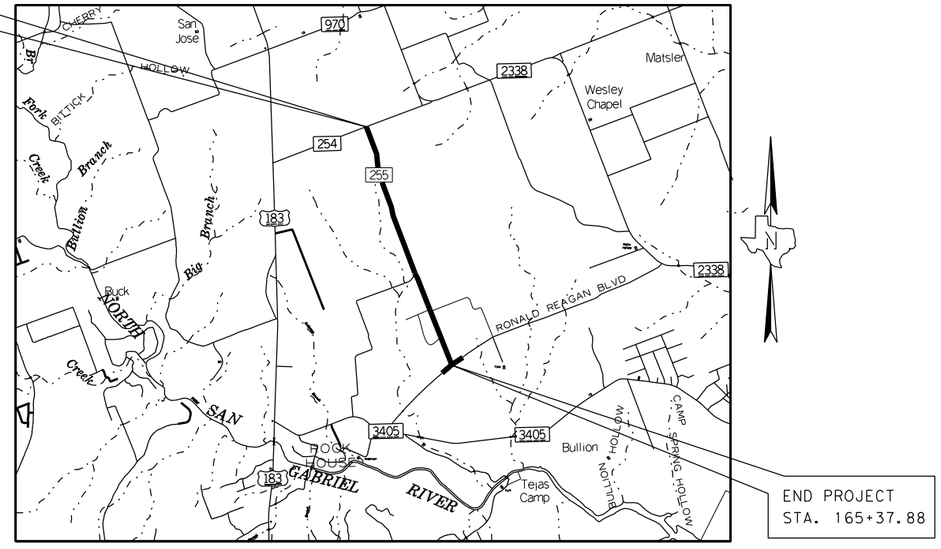
DATE

REQUIRED SIGNS SHALL BE PLACED IN ACCORDANCE WITH STANDARD SHEETS BC(1)-21 THRU BC(12)-21 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.:



TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES ADOPTED ON NOVEMBER 1, 2014 AND ALL APPLICABLE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS AS INDICATED IN THE BID DOCUMENTS SHALL GOVERN ON THIS PROJECT.

BEGIN PROJECT
STA. 12+83.29



END PROJECT
STA. 165+37.88

VICINITY MAP
N. T. S.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

APPROVED AND RECOMMENDED FOR CONSTRUCTION:

Matt Williamson — Dec 5, 2024
DATE
MATT WILLIAMSON, P.E.
DIRECTOR OF ROAD AND BRIDGE DIVISION
WILLIAMSON COUNTY

Valerie Covey — Dec 6, 2024
Valerie Covey (Dec 6, 2024 11:01 CST)
DATE
VALERIE COVEY
PRECINCT 3 COMMISSIONER

APPROVED BY:
HNTB CORPORATION

Christen Eschberger — Dec 4, 2024
DATE
CHRISTEN ESCHBERGER, PE
ROAD BOND MANAGEMENT TEAM

Bill Gravell Jr. — Dec 10, 2024
Bill Gravell (Dec 10, 2024 13:45 CST)
DATE
BILL GRAVELL JR.
WILLIAMSON COUNTY JUDGE

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

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117	PLAN AND PROFILE DANIELS MOUNTAIN RD
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ADDENDUM #2

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED BY * HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AS BEING APPLICABLE TO THIS PROJECT

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

12/12/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

INDEX OF SHEETS

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			2

USER: egallerez
DATE: 12/12/2024 3:36
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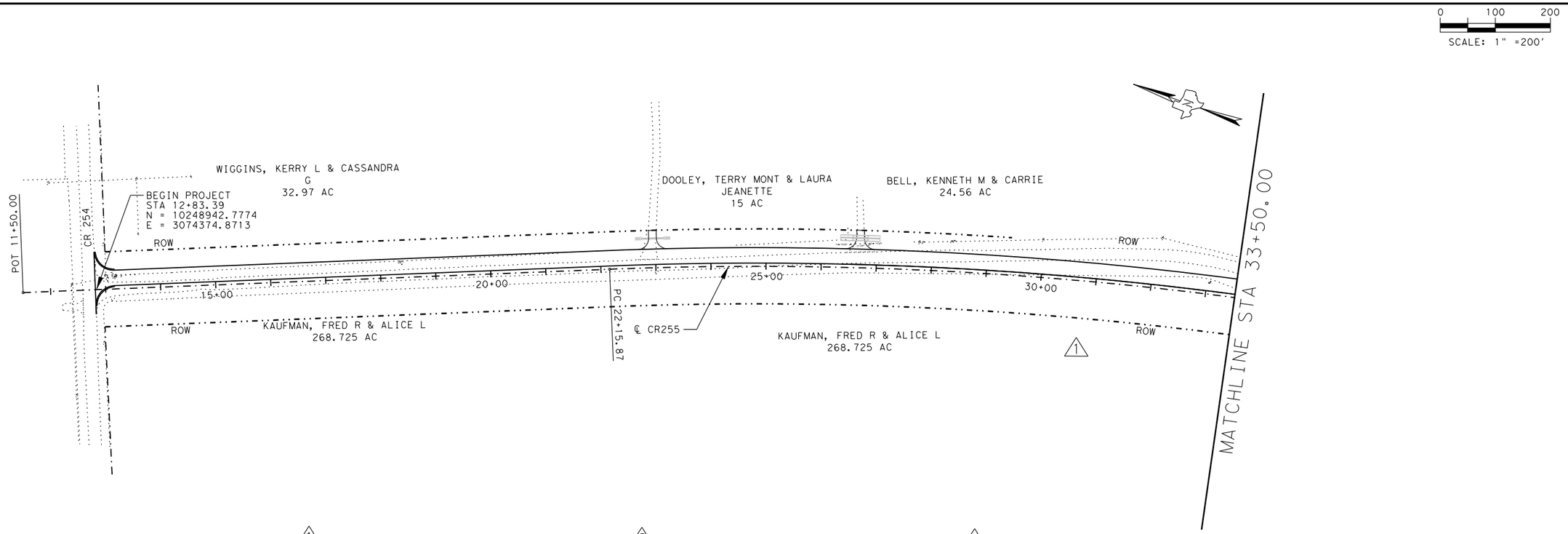


CURVE DATA 1

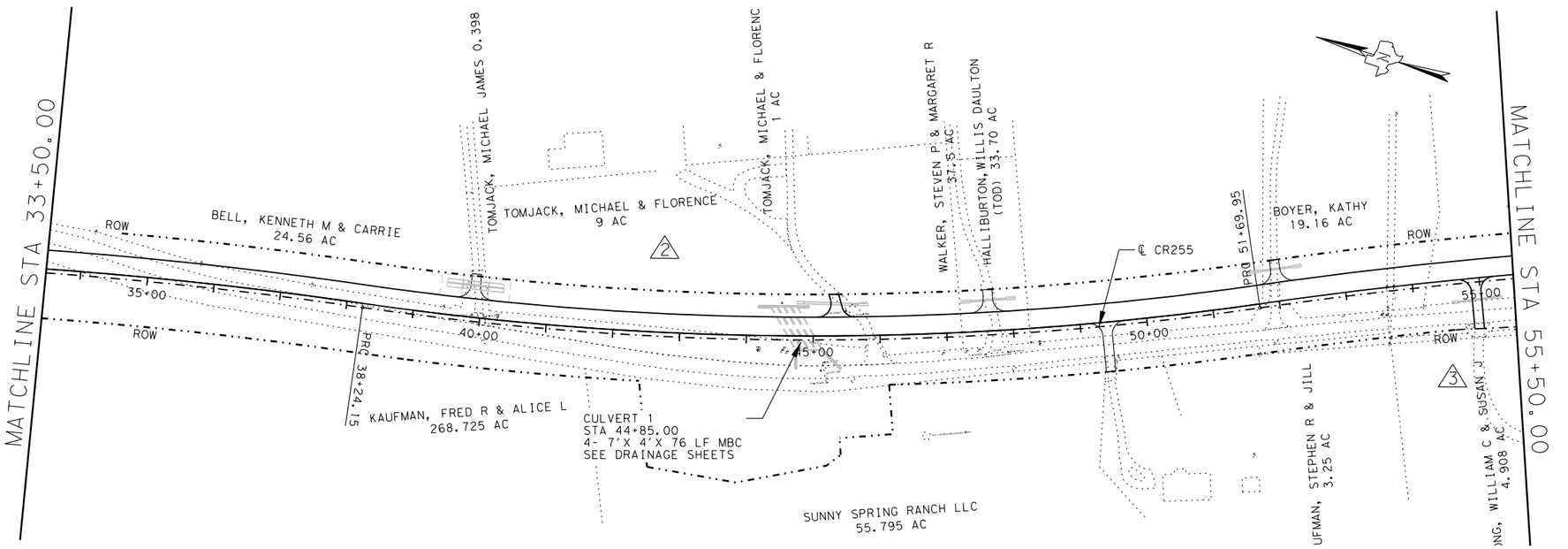
PI STATION	= 30+23.90
DELTA	= 13° 45' 12.17" (RT)
DEGREE OF CURVE	= 0° 51' 18.58"
TANGENT	= 808.02
LENGTH	= 1,608.28
RADIUS	= 6,700.00
PC STATION	= 22+15.87
PRC STATION	= 38+24.15

CURVE DATA 2

PI STATION	= 45+01.73
DELTA	= 16° 28' 34.05" (LT)
DEGREE OF CURVE	= 1° 13' 27.37"
TANGENT	= 677.57
LENGTH	= 1,345.79
RADIUS	= 4,680.00
PRC STATION	= 38+24.15
PRC STATION	= 51+69.95

CURVE DATA 3

PI STATION	= 54+33.32
DELTA	= 4° 30' 07.93" (RT)
DEGREE OF CURVE	= 0° 51' 18.58"
TANGENT	= 263.37
LENGTH	= 526.47
RADIUS	= 6,700.00
PRC STATION	= 51+69.95
PT STATION	= 56+96.42



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

PROJECT LAYOUT SHEETS

BEGINNING TO STA 55+50.00

SHEET 1 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			3

USER: korahoske
DATE: 11/6/2024 2:04
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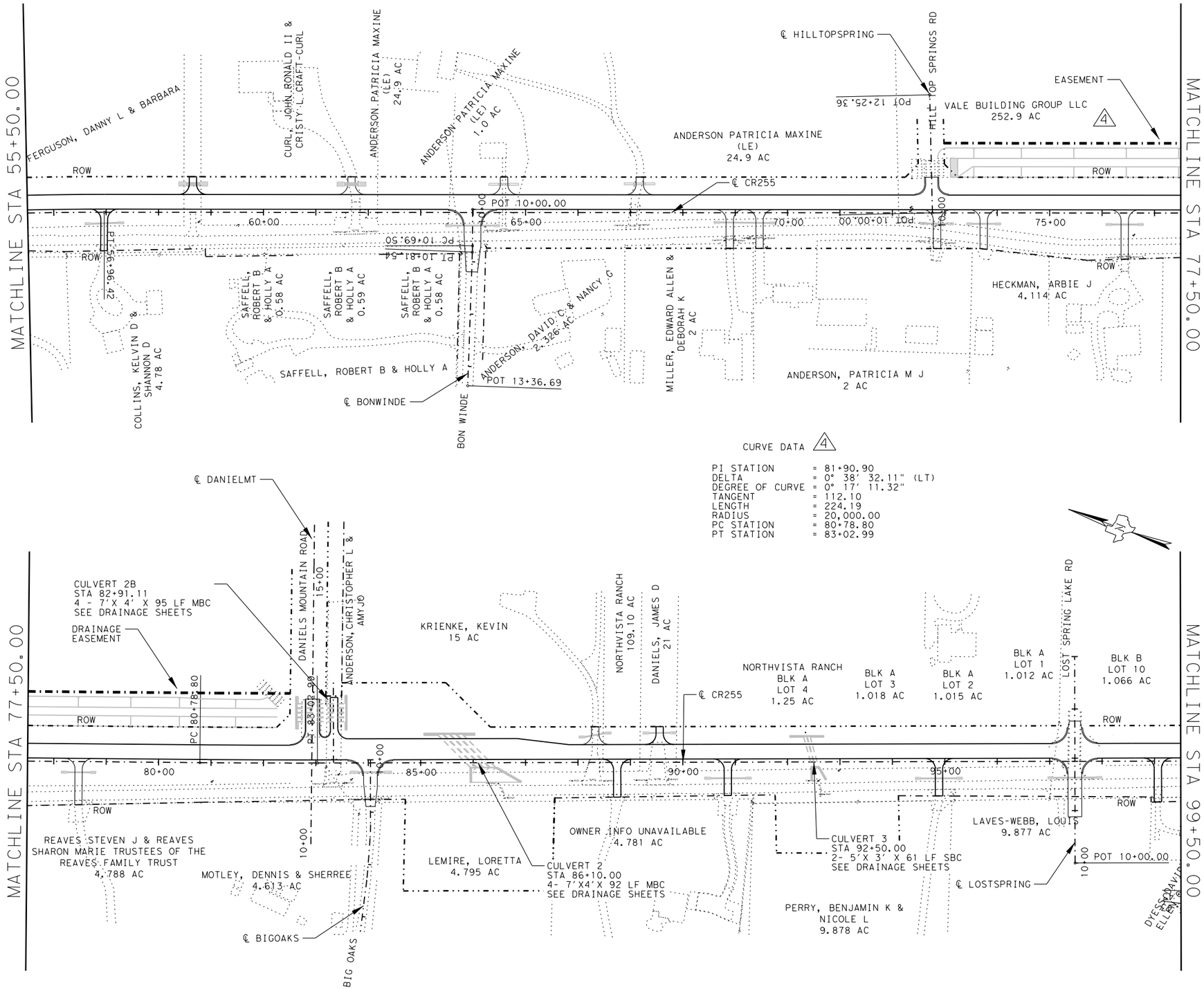

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TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

PROJECT LAYOUT SHEETS

STA 55+50.00 TO STA 99+50.00

SHEET 2 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			4

USER: korahoske
DATE: 11/6/2024
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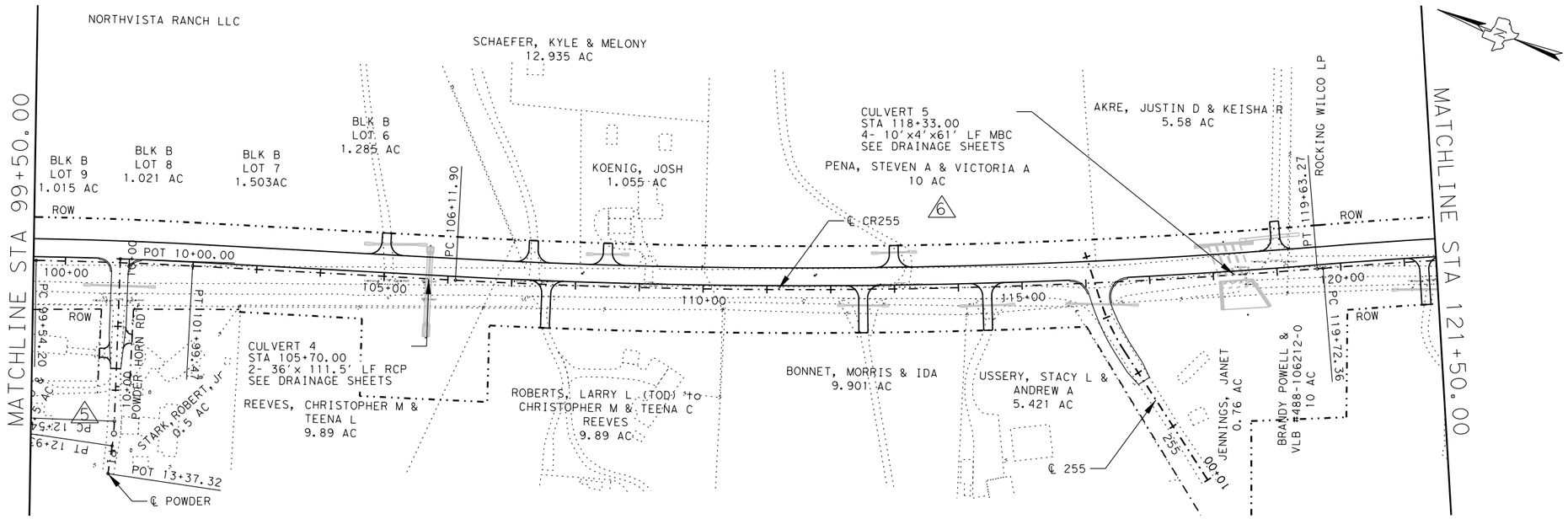

CURVE DATA 5

PI STATION	= 100+76.85
DELTA	= 2° 09′ 43.09" (RT)
DEGREE OF CURVE	= 0° 52′ 53.30"
TANGENT	= 122.65
LENGTH	= 245.27
RADIUS	= 6,500.00
PC STATION	= 99+54.20
PT STATION	= 101+99.47

CURVE DATA 6

PI STATION	= 112+88.62
DELTA	= 7° 44′ 33.89" (LT)
DEGREE OF CURVE	= 0° 34′ 22.65"
TANGENT	= 676.71
LENGTH	= 1,351.36
RADIUS	= 10,000.00
PC STATION	= 106+11.90
PT STATION	= 119+63.27

CURVE DATA 7

PI STATION	= 122+70.90
DELTA	= 4° 16′ 27.84" (RT)
DEGREE OF CURVE	= 0° 42′ 58.31"
TANGENT	= 298.55
LENGTH	= 596.82
RADIUS	= 8,000.00
PC STATION	= 119+72.36
PT STATION	= 125+69.18

CURVE DATA 8

PI STATION	= 137+51.70
DELTA	= 3° 55′ 45.03" (RT)
DEGREE OF CURVE	= 0° 52′ 53.30"
TANGENT	= 222.96
LENGTH	= 445.75
RADIUS	= 6,500.00
PC STATION	= 135+28.74
PCC STATION	= 139+74.49

CURVE DATA 9

PI STATION	= 140+09.20
DELTA	= 0° 36′ 42.89" (RT)
DEGREE OF CURVE	= 0° 52′ 53.30"
TANGENT	= 34.71
LENGTH	= 69.42
RADIUS	= 6,500.00
PCC STATION	= 139+74.49
PRC STATION	= 140+43.91

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PLANNING • ENGINEERING • CONSTRUCTION

CR 255

PROJECT LAYOUT SHEETS

STA 99+50.00 TO STA 143+50.00

SHEET 3 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			5

USER: korahoske
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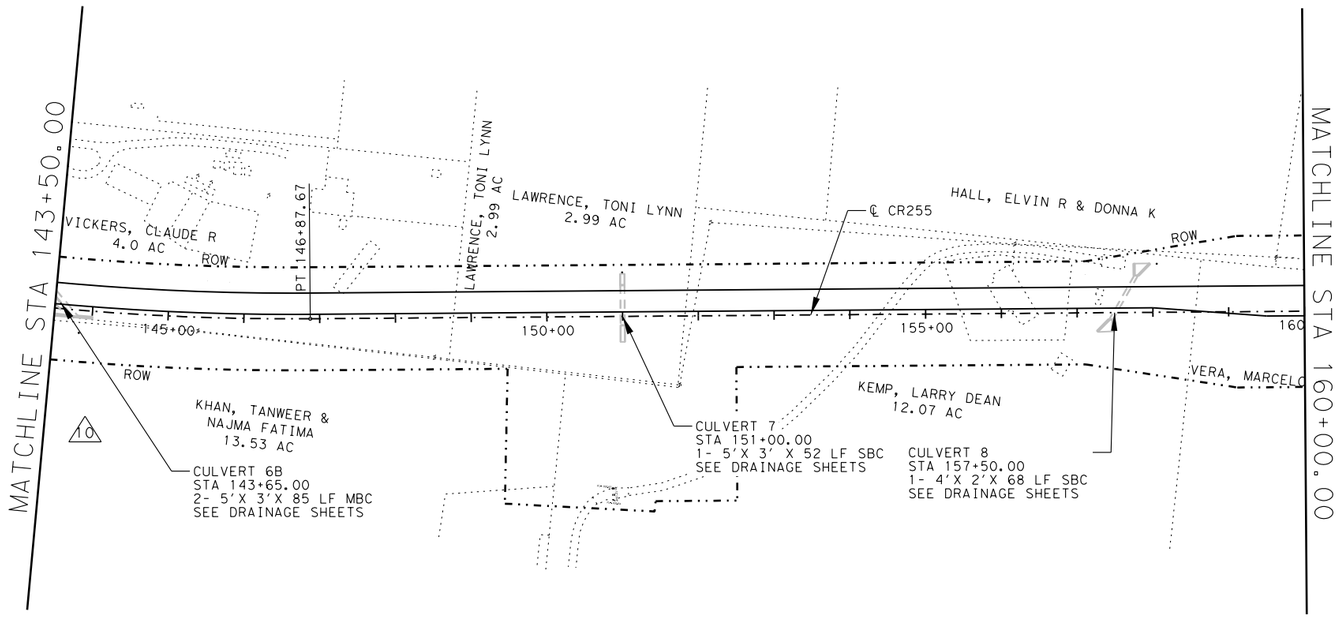
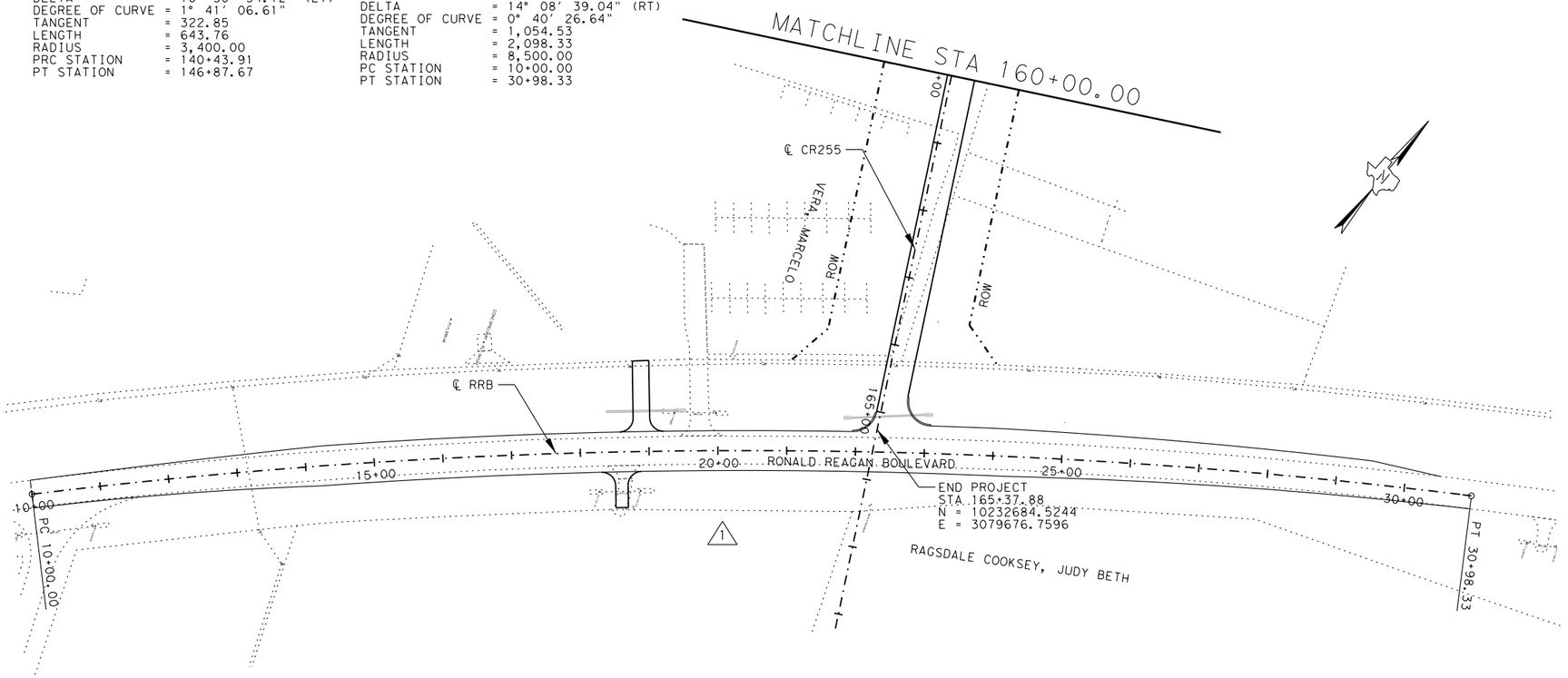


CURVE DATA 10

PI STATION	= 143+66.75
DELTA	= 10° 50' 54.72" (LT)
DEGREE OF CURVE	= 1° 41' 06.61"
TANGENT	= 322.85
LENGTH	= 643.76
RADIUS	= 3,400.00
PRC STATION	= 140+43.91
PT STATION	= 146+87.67

RONALD REAGAN CURVE DATA 1

PI STATION	= 20+54.53
DELTA	= 14° 08' 39.04" (RT)
DEGREE OF CURVE	= 0° 40' 26.64"
TANGENT	= 1,054.53
LENGTH	= 2,098.33
RADIUS	= 8,500.00
PC STATION	= 10+00.00
PT STATION	= 30+98.33



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CR 255
PROJECT LAYOUT SHEETS
STA 143+50.00 TO END

SHEET 4 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			6

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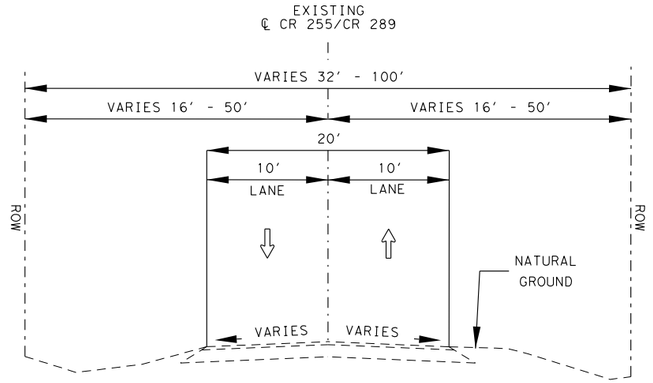
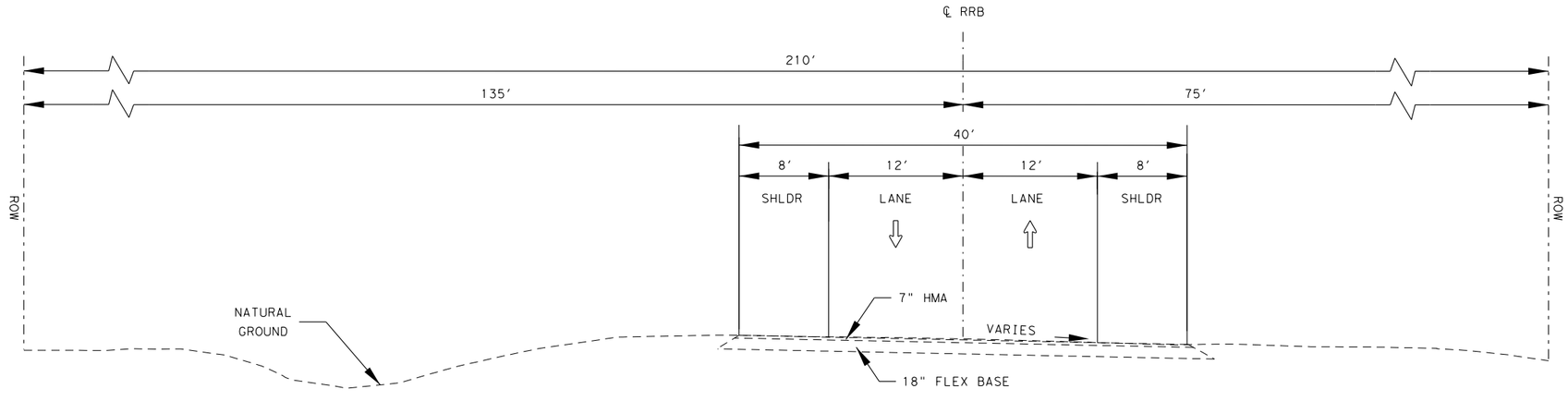


EXISTING TYPICAL SECTION FOR CR 255 STA. 12+83.39 TO STA. 116+00.00
CR 289 STA. 116+00.00 TO STA. 141+00.00
BON WINDE STA. 10+60.73 TO 11+19.17
HILL TOP SPRINGS STA. 9+69.74 TO 10+67.98
DANIELS MOUNTAIN STA. 11+08.34 TO 12+76.85
BIG OAKS STA. 10+69.90 TO 10+89.12
LOST SPRING LAKE STA. 11+59.30 TO 12+70.81
POWDER HORN STA. 10+54.36 TO 11+72.00
CR 255 STA. 11+84.25 (255) TO STA. 13+32.59 (255)
BIG VALLEY SPUR / CR 289 STA. 11+02.58 TO STA. 13+39.25 AND STA. 13+39.25 TO STA 16+28.00



EXISTING TYPICAL SECTION FOR RONALD REAGAN BLVD
STA. 10+00.00 TO STA. 30+98.33

STATE OF TEXAS
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CR 255
EXISTING
TYPICAL SECTIONS

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			7

USER: korahoske
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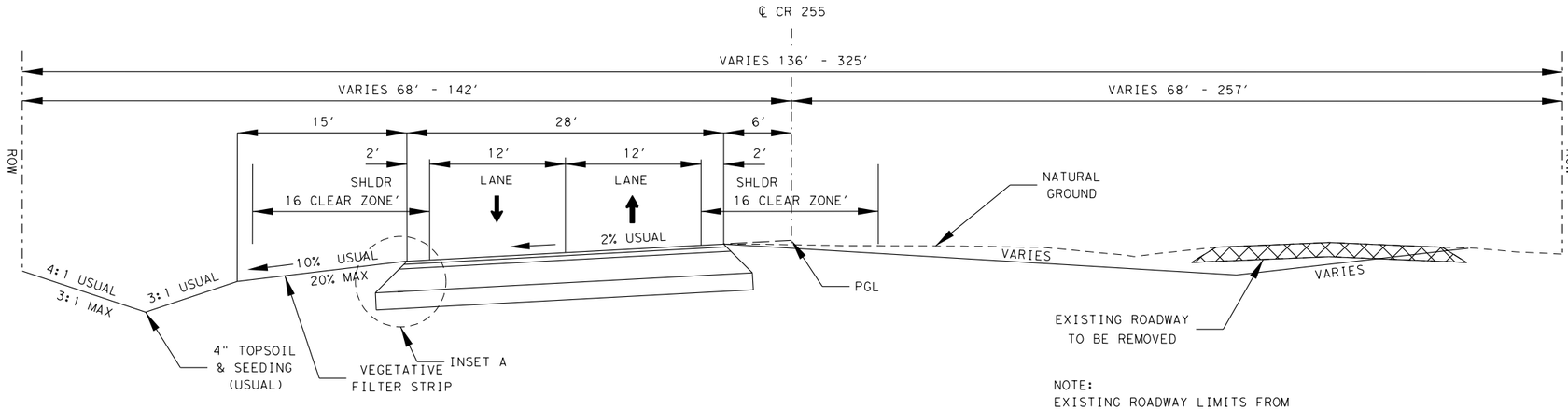
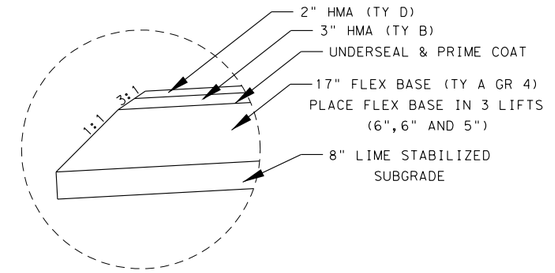
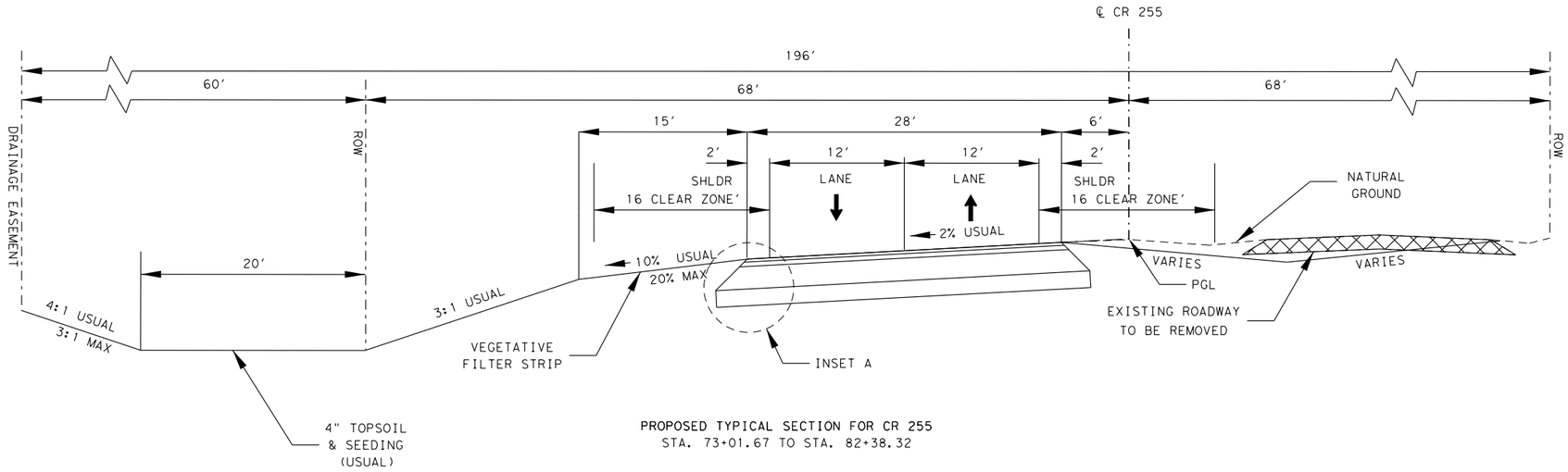


PROPOSED TYPICAL SECTION FOR CR 255
STA. 12+83.39 TO STA. 73+01.67
STA. 82+38.32 TO STA. 158+00.00

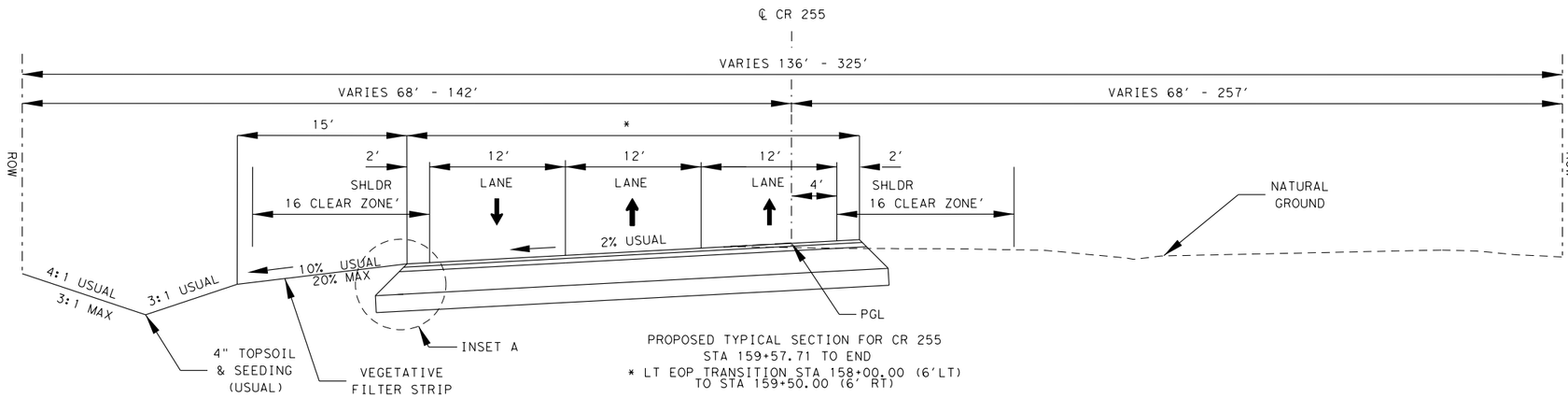
NOTE:
EXISTING ROADWAY LIMITS FROM
STA. 12+83.39 TO STA. 141+00



INSET A



PROPOSED TYPICAL SECTION FOR CR 255
STA. 73+01.67 TO STA. 82+38.32



PROPOSED TYPICAL SECTION FOR CR 255
STA 159+57.71 TO END
* LT EOP TRANSITION STA 158+00.00 (6'LT)
TO STA 159+50.00 (6' RT)

STATE OF TEXAS
GERALD A. LANKES
107484
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CR 255
PROPOSED
TYPICAL SECTIONS

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			8

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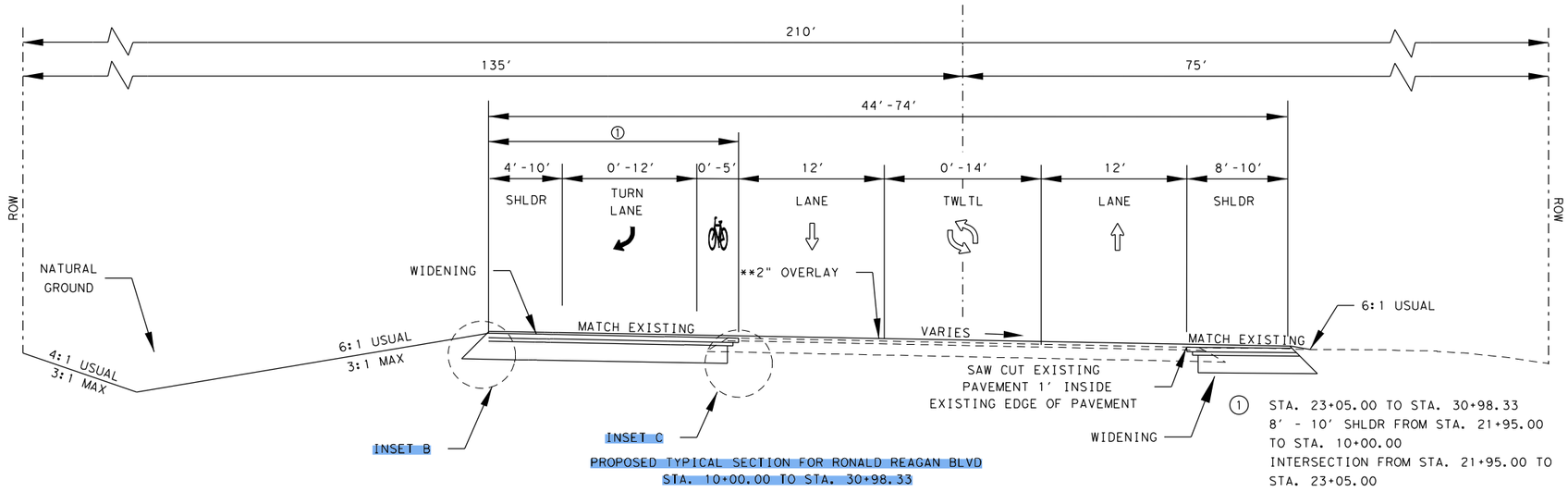
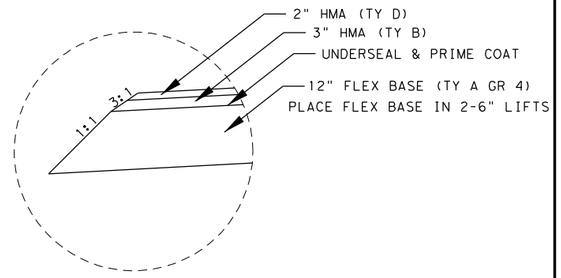
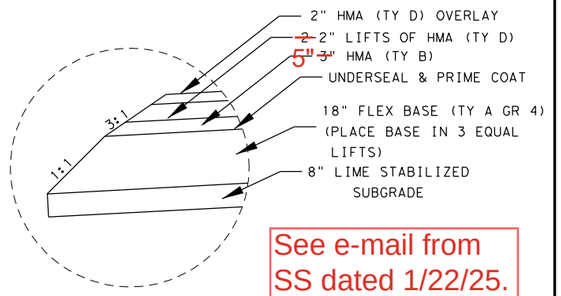


PROPOSED TYPICAL SECTION FOR RONALD REAGAN BLVD
STA. 10+00.00 TO STA. 30+98.33

① STA. 23+05.00 TO STA. 30+98.33
8' - 10' SHLDR FROM STA. 21+95.00 TO STA. 10+00.00
INTERSECTION FROM STA. 21+95.00 TO STA. 23+05.00

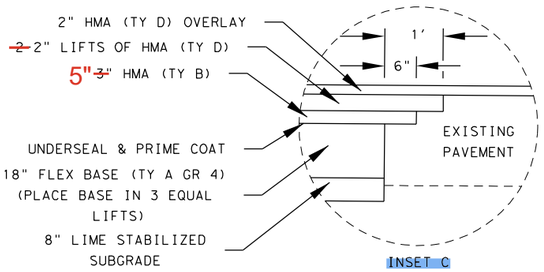


INSET A

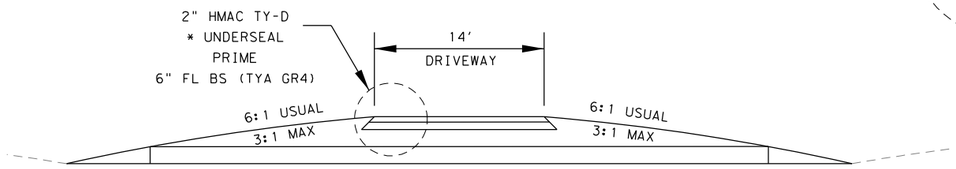


INSET B

See e-mail from SS dated 1/22/25.

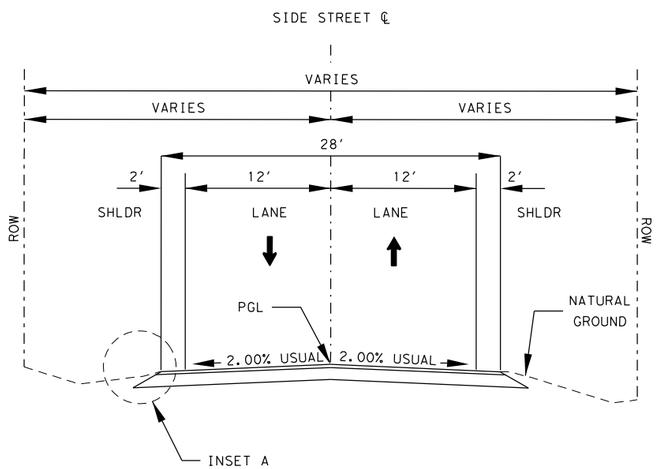


INSET C

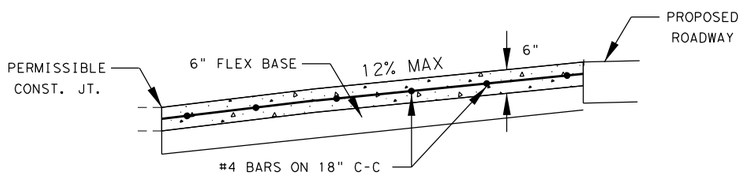


PROPOSED DRIVEWAY TYPICAL SECTION
* ASPHALT, AGGREGATE (TY D, GR 5)

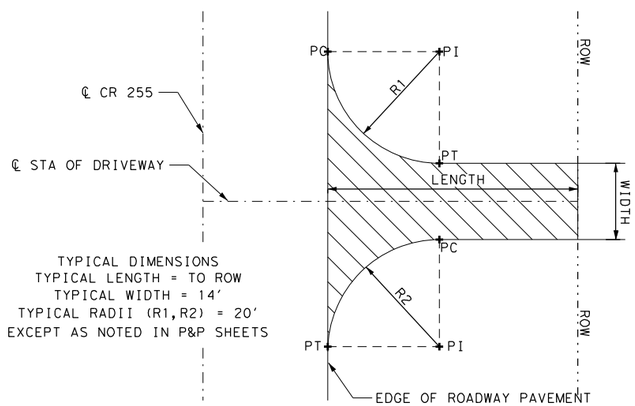
** PLACE TACK COAT ON EXISING RONALD REAGAN PRIOR TO PLACING OVERLAY. TACK COAT IS CONSIDERED SUBSIDIARY TO VARIOUS BID ITEMS.



BON WINDE STA. 10+00.00 TO 11+12.61
HILL TOP SPRINGS STA. 10+40.00 TO 11+41.73
DANIELS MOUNTAIN STA. 10+34.00 TO 11+28.90
BIG OAKS STA. 10+00.00 TO 10+84.77
TIMBER RANCH/LOST SPRING LAKE STA. 11+26.00 TO 12+00.00 AND STA. 12+28.00 TO 12+70.81
POWDER HORN STA. 10+00.00 TO 12+40.00
255 STA. 11+84.25 TO STA. 13+63.56
BIG VALLEY SPUR / CR 289 STA. 11+02.58 TO STA. 13+24.76 AND STA. 13+43.89 TO STA 16+28.00



PROPOSED CONCRETE DRIVEWAY DETAIL



TYPICAL DIMENSIONS
TYPICAL LENGTH = TO ROW
TYPICAL WIDTH = 14'
TYPICAL RADII (R1,R2) = 20'
EXCEPT AS NOTED IN P&P SHEETS

PROPOSED TYPICAL DRIVEWAY DETAIL

STATE OF TEXAS
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11/6/2024

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CR 255 PROPOSED TYPICAL SECTIONS

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			9

USER: korahoske
DATE: 11/6/2024 2:05
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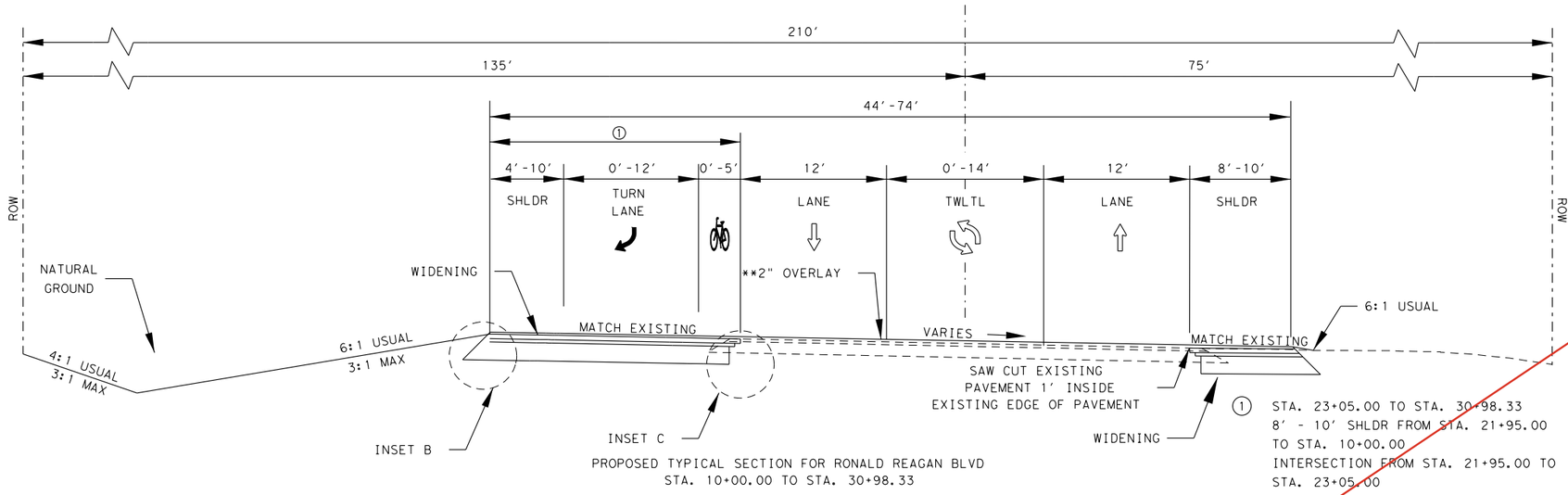
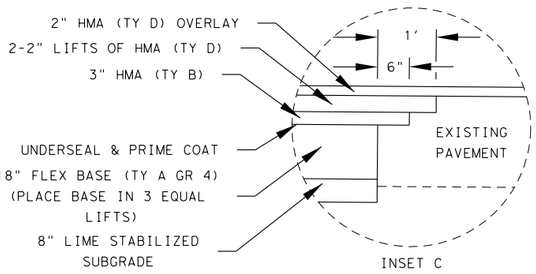
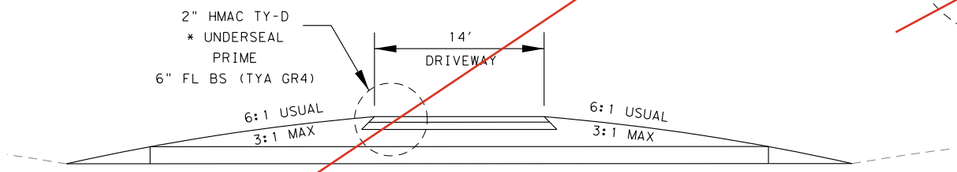


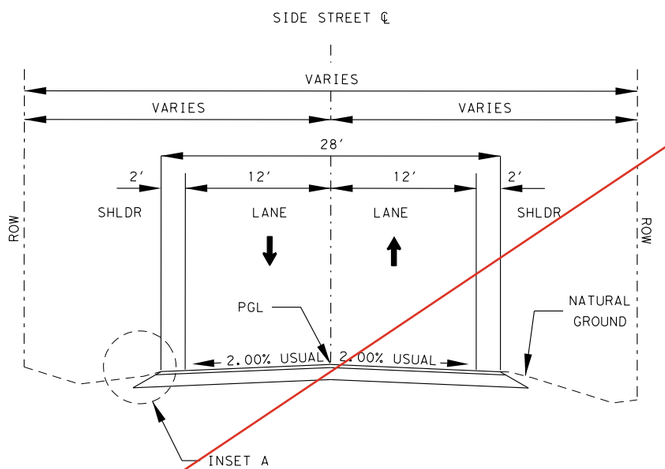
PROPOSED TYPICAL SECTION FOR RONALD REAGAN BLVD
STA. 10+00.00 TO STA. 30+98.33

① STA. 23+05.00 TO STA. 30+98.33
8' - 10' SHLDR FROM STA. 21+95.00 TO STA. 10+00.00
INTERSECTION FROM STA. 21+95.00 TO STA. 23+05.00

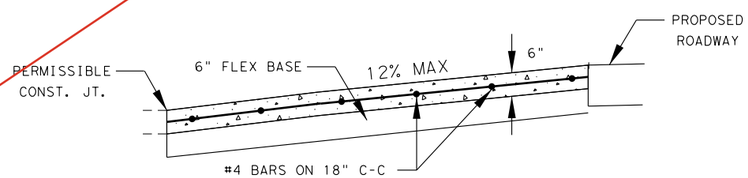




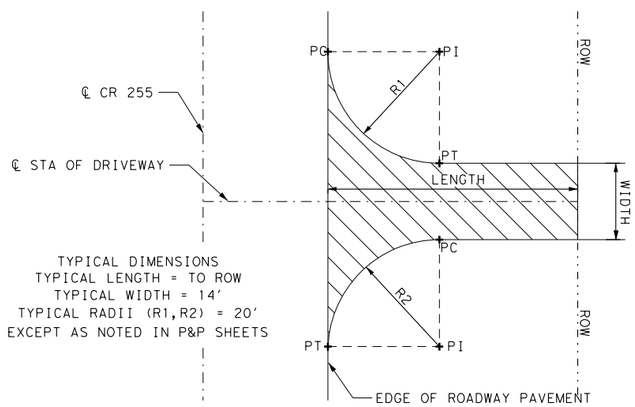
PROPOSED DRIVEWAY TYPICAL SECTION
* ASPHALT, AGGREGATE (TY D, GR 5)



BON WINDE STA. 10+00.00 TO 11+12.61
HILL TOP SPRINGS STA. 10+40.00 TO 11+41.73
DANIELS MOUNTAIN STA. 10+34.00 TO 11+28.90
BIG OAKS STA. 10+00.00 TO 10+84.77
TIMBER RANCH/LOST SPRING LAKE STA. 11+26.00 TO 12+00.00 AND STA. 12+28.00 TO 12+70.81
POWDER HORN STA. 10+00.00 TO 12+40.00
255 STA. 11+84.25 TO STA. 13+63.56
BIG VALLEY SPUR / CR 289 STA. 11+02.58 TO STA. 13+24.76 AND STA. 13+43.89 TO STA 16+28.00

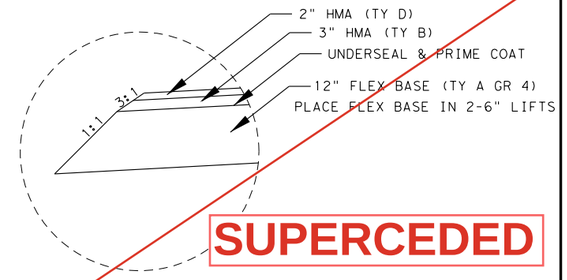


PROPOSED CONCRETE DRIVEWAY DETAIL



TYPICAL DIMENSIONS
TYPICAL LENGTH = TO ROW
TYPICAL WIDTH = 14'
TYPICAL RADII (R1,R2) = 20'
EXCEPT AS NOTED IN P&P SHEETS

PROPOSED TYPICAL DRIVEWAY DETAIL



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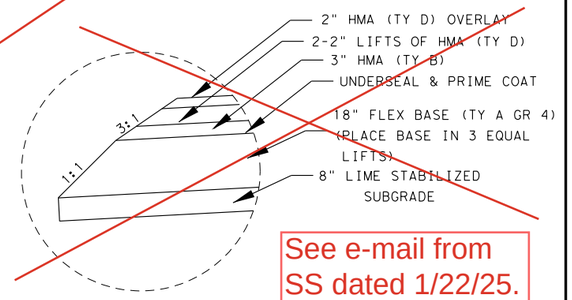

See e-mail from SS dated 1/22/25.

** PLACE TACK COAT ON EXISING RONALD REAGAN PRIOR TO PLACING OVERLAY. TACK COAT IS CONSIDERED SUBSIDIARY TO VARIOUS BID ITEMS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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WILLIAMSON COUNTY
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CR 255
PROPOSED
TYPICAL SECTIONS

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			9

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DATE: 11/6/2024 2:05
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Williamson County
Project: CR 255

GENERAL NOTES: May 19, 2023 Version

Basis of Estimate

Item	Description	**Rate	Basis	Quantity
160	**Furnishing and Placing Topsoil (4")**	1 CY/9 SY	203,672 SY	203,672 SY
164	**Seed for Erosion Control**			
	(Item 164) (Temp) (Cool) (TY 4)	4840 SY/AC	101,836 SY	101,836 SY
	(Item 164) (Perm) (Warm) (TY 5)	4840 SY/AC	203,672 SY	203,672 SY
	(Item 164)(Temp & Perm)(TY 7)	4840 SY/AC	0 SY	0 SY
	(Item 164) (Temp) (Warm) (TY 10)	4840 SY/AC	101,836 SY	101,836 SY
	(Item 164)(Temp & Perm)(TY 11)	4840 SY/AC	0 SY	0 SY
166	**Fertilizer (13-13-13)**	1/8 LB/SY	203,672 SY	12.73 TON
168	**Vegetative Watering**			
	(Item 164) (Temp)	10 GAL/SY	203,672 SY	2,036 MG
	(Item 164) (Perm)	20 GAL/SY	203,672 SY	4,074 MG
**204	**Sprinkling**			
	(Dust)	30 GAL/CY	34,670 CY	1041 MG
	(Item 132)	30 GAL/CY	34,670 CY	1041 MG
	(Item 247)	30 GAL/CY	31,466 CY	944 MG
**210	**Roll (Tamping)**			
	(Item 132)	1 HR/200 CY	34,670 CY	174 HR
**210	**Roll (Heavy Tamp)**			
	(Item 132)	1 HR/200 CY	34,670 CY	174 HR
**210	**Roll (Lt Pneumatic Tire)**			
	(Item 132)	1 HR/500 CY	34,670 CY	70 HR
	(Item 247)	1 HR/200 TON	55,165 TON	276 HR
	(Item 316) (One Course)	1 HR/6000 SY	66,141 SY	11 HR
247	**FL BS (CMP IN PLC)**			
	(TY A GR 4)	3564 LB/CY	31,466 CY	31,466 CY
260	**Lime**			
	(Hydrated Lime (Slurry))	36 LB/SY @ 8"	65,691 SY	1,183 TON
310	**Prime Coat (Multi Option)**	0.20 GAL/SY	66,141 SY	13,228 GAL
316	**Surface Treatments**			
	Seal Coat (for Item 508):	Total		
	1st Course	0.32 GAL/SY	11,285 SY	3,611 GAL
	Asphalt	1 CY/150 SY	11,285 SY	76 CY
	Aggregate (Ty D,GR 5)			
	2nd Course	0.38 GAL/SY	11,285 SY	4,289 GAL
	Asphalt	1 CY/120 SY	11,285 SY	94 CY
	Aggregate (Ty PD,GR 5)			
	Underseal:	Total		
	Asphalt	0.32 GAL/SY	66,141 SY	21,165 GAL
	Aggregate (Ty D, GR 5)	1 CY/150 SY	66,141 SY	441 CY

Williamson County
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Item	Description	**Rate	Basis	Quantity
3076	**Dense-Graded Hot-Mix Asphalt**			
	TY B PG 64-22 (3 IN)	115 LB/SY/IN	62,121 SY	10,716 TON
	TY D PG 70-22 (2 IN)	115 LB/SY/IN	78,626 SY	9,042 TON
**3076/ 3096	**Tack Coat**	0.08 GAL/SY	70,618 SY	5,649 GAL

** For Informational Purposes Only

MODIFIED STANDARDS

The following standard detail sheet or sheets have been modified:

Concrete Curb and Concrete Curb and Gutter CCCG-22 (MOD)

GENERAL

References to manufacturer's trade name or catalog numbers are for the purpose of identification only. Similar materials from other manufacturers are permitted if they are of equal quality, comply with the specifications for this project, and are approved.

If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

The roadbed shall be free of organic material prior to placing any section of the pavement structure.

Equip all construction equipment used in roadway work with highly visible omnidirectional flashing warning lights.

Provide a smooth, clean saw-cut along the existing asphalt ***(or concrete)*** pavement structure, as directed. Consider subsidiary to the pertinent Items.

Supply litter barrels in enough numbers at locations as directed to control litter within the project. Consider subsidiary to pertinent Items.

Use a self-contained vacuum broom to sweep the roadway and keep it free of sediment as directed. The contractor will be responsible for any sweeping beyond the normal maintenance required to keep fugitive sediment off the roadway as directed by the Construction Observer. This work is subsidiary.

Protect all areas of the right of way, which are not included in the actual limits of the proposed construction areas, from disturbance. Restore any area disturbed because of the Contractor's operations to a condition as good as, or better than, before the beginning of work at no cost to the County.

ADDENDUM #2

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CR 255

GENERAL NOTES

SHEET 1 OF 11

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			10

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Damage to existing pipes and SETs due to Contractor operations shall be repaired at Contractor's expense.

All locations used for storing construction equipment, materials, and stockpiles of any type, within the right of way, will be as directed. Use of right of way for these purposes will be restricted to those locations where driver sight distance to businesses and side street intersections is not obstructed and at other locations where an unsightly appearance will not exist. The Contractor will not have exclusive use of right of way but will cooperate in the use of the right of way with the city/county and various public utility companies as required.

The Project Superintendent will be capable of speaking English and will be available (to contact) at all times when work is being performed, including subcontractor work. The Superintendent will be available and on-call 24 hours a day.

Coordinate and obtain approval from the Construction Observer for all bridgework over existing roadways.

Measure all minimum vertical clearances for all structures (including, but not limited to, signal mast arms, span wires, and overhead sign bridge structures) within the limits of the project for all roadway alignments in all directions of travel. Coordinate with the Construction Observer to take these measurements and obtain prior to opening roadways to traffic unless otherwise approved. The Construction Observer will report all minimum vertical clearance information on State maintained roadways to the local bridge engineer at AUS_BRG_notify@txdot.gov.

Use materials from prequalified material producers list as shown on the Texas Department of Transportation (TxDOT) – Construction Division's (CST) materials producers list. Refer to TxDOT's website for list of pre-qualified manufacturers. No substitutions will be allowed for materials found on the list. Submit list of approved suppliers/materials from TxDOT website to show items are TxDOT approved. Submit this list with request for material approval.

When any abandoned well is encountered, cease construction operations in this area and notify the Construction Observer who will coordinate the proper plugging procedures. A water well driller licensed in the State of Texas must be used to plug a well.

Erosion control and stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily ceased and will not resume for a period exceeding 14 calendar days. Track all exposed soil, stockpiles, and slopes. Tracking consists of operating a tracked vehicle or equipment up and down the slope, leaving track marks perpendicular to the direction of the slope. Re-track slopes and stockpiles after each rain event or every 14 days, whichever occurs first. This work is subsidiary.

Perform maintenance of vehicles or equipment at designated maintenance sites. Keep a spill kit on-site during fueling and maintenance. This work is subsidiary.

Maintain positive drainage for permanent and temporary work for the duration of the project. Be responsible for any items associated with the temporary or interim drainage and all related maintenance. This work is subsidiary.

Suspend all activities near any significant recharge features, such as sinkholes, caves, or any other subterranean openings that are discovered during construction or core sampling. Do not proceed until the designated Geologist or TCEQ representative is present to evaluate and approve remedial action.

No above ground storage tanks will be allowed.
Project Specific Location (PSL) in Edwards Aquifer Recharge and Contributing Zone.
Obtain written approval from the Construction Observer for all on or off right of way PSLs not specifically addressed in the plans. Provide a signed sketch of the location 30 business days prior to use of the PSL. Include a list of materials, equipment and portable facilities that will be stored at the PSL. County will coordinate with the necessary agencies. Approval of the PSL is not guaranteed. Unapproved PSL is not a compensable impact.

Project Specific Location (PSL) in USACE Jurisdictional Area.
Do not initiate activities in a PSL associated with a U.S. Army Corps of Engineers (USACE) jurisdictional area that have not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The jurisdictional area includes all waters of the U.S. including wetlands or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. Consult with the USACE regarding activities, including PSLs that have not been previously evaluated by the USACE. Provide the Construction Observer with a copy of all USACE coordination and approvals before initiating activities.

Proceed with activities in PSLs that do not affect a USACE jurisdictional area if self-determination has been made that the PSL is non-jurisdictional or proper clearances have been obtained in USACE jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. Document any determinations that PSL activities do not affect a USACE jurisdictional area. Maintain copies of PSL determinations for review by the County or any regulatory agency. The Contractor must document and coordinate with the USACE, if required, before any excavation material hauled from or embankment material hauled into a USACE jurisdictional area by either (1) or (2) below.

1. Restricted Use of Materials for the Previously Evaluated Permit Areas. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:
    a. suitable excavation of required material in the areas shown on the plans and cross sections as specified in Standard Specification Item 110, Excavation is used for permanent or temporary fill within a USACE jurisdictional area;
    b. suitable embankment from within the USACE jurisdictional area is used as fill within a USACE evaluated area;
    c. Unsuitable excavation or excess excavation that is disposed of at an approved location within a USACE evaluated area.
2. Contractor Materials from Areas Other than Previously Evaluated Areas. Provide the Construction Observer with a copy of all USACE coordination and approvals before initiating any activities in a jurisdictional area within the project limits that has not been

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CR 255

GENERAL NOTES

SHEET 2 OF 11

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY		JOB No.	SHEET No.
CHECKED:	WILLIAMSON			10A

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DATE: 10/23/2024 8:59
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evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:

a. Standard Specification Item 132, Embankment is used for temporary or permanent fill within a USACE jurisdictional area;
b. Unsuitable excavation or excess excavation that is disposed of outside a USACE evaluated area.

Work over or near Bodies of Water (Lakes, Rivers, Ponds, Creeks, Dry Waterways, etc.).
Keep on site a universal spill kit adequate for the body of water and the work being performed. Debris is not allowed to fall into the ordinary high-water level (OHWL). Debris that falls into the OHWL must be removed at the end of each work day. Debris that falls into the floodway must be removed at the end of each work week or prior to a rain event. Install and maintain traffic control devices to maintain a navigable corridor for water traffic, except during bridge demo and beam placement. This work is subsidiary.

Obtain written approval from the Construction Observer for temporary fill or crossings not specifically addressed in the plans. Provide a signed sketch of the location 60 business days prior to begin work at the location. Approval of the work is not guaranteed. Unapproved work is not a compensable impact.

DSHS Asbestos and Demolition Notification.
Complete and provide the Texas Department of State Health Services (DSHS) notification form to the Construction Observer at least 30 calendar days prior to bridge or bridge class culvert removal or renovation. Notify the Construction Observer via email of any changes to the work start date.

Migratory Birds and Bats.
Migratory birds may be nesting within the project limits and concentrated on roadway structures such as bridges and culverts. Remove all old and unoccupied migratory bird nests from any structures, trees, etc. between September 16th and February 28th. Prevent migratory birds from re-nesting between March 1st and September 15th.

All methods used for the removal of unoccupied bird nests and the prevention of re-nesting must be submitted to the Construction Observer for approval thirty days prior to begin work.

In the event that any active nests are encountered on-site during construction, all construction activity within 50 feet radius of the nest must cease immediately. Contact the Construction Observer to determine how to proceed.

Bats may roost within the project limits under bridges, in culverts, in large hollow trees, in dead standing trees, and in trees with shaggy bark. Maternity colonies may occur from April 1st through August 31st. If bats are present, ensure bats are not harmed. Exclusion protocols for known colonies should be followed well in advance of commencement of construction activities. Exclusion measures by qualified individuals are used to relocate existing colonies, except from April 1st through August 31st when such measures may separate mothers and pups. Exclusion

measures are also the means of preventing establishment of new colonies and re-establishment of relocated colonies.

No extension of time or compensation payment will be granted for a delay or suspension of work caused by migratory birds or bats. This work is subsidiary.

Law Enforcement Personnel. If a law enforcement officer is required, patrol vehicles must be clearly marked to correspond with the officer's agency and equipped with appropriate lights to identify them as law enforcement. Preference will be given to Williamson County officers or officers in local jurisdiction. No payment will be made for law enforcement used for moving contractor equipment.

The sequence of work shown on the plans demonstrates a volume of work available in each phase of construction that will ensure the Contractor is not impacted by the unapproved environmental permits, outstanding inter-agency agreements, right-of-way (ROW), railroad permits and utility conflicts. Contractor is to work on simultaneous phases or deviate from the sequence of work shown on the plans, as directed by the Construction Observer to keep progressing the work and minimize impacts to the project schedule.

ITEM 100 – PREPARING RIGHT OF WAY
Do not burn brush, unless otherwise approved.

Trim vegetation around signs and other obstructions. Consider subsidiary to pertinent Items.

Use hand methods or other means to remove objectionable material and obstructions, if doing work by mechanical methods is impractical. Consider subsidiary to the pertinent Items.

Tree removal is subsidiary to this item. The size and quantity of trees shown are approximate and are provided for information only, if provided in project plan set.

Prep ROW limits include the entire limits of construction from ROW line to ROW line and includes all easements for construction and drainage, unless otherwise noted on the plans. No additional payment will be made for clearing other areas necessary to complete the Work.

ITEM 110 & 132 – EXCAVATION & EMBANKMENT
At no time will the retaining wall backfill material exceed the adjacent embankment operation by more than one embankment lift. At no time will the embankment adjacent to the retaining wall backfill exceed the wall backfill by any elevation.

Unsuitable material encountered in a cut or fill section will be considered waste. Replacement of unsuitable material will be paid for using excavation and embankment bid items. The Construction Observer will define unsuitable material. Material, which the Contractor might deem to be unsatisfactory or unsuitable, due to moisture content, will not be considered unsuitable material, unless otherwise approved.

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CR 255

GENERAL NOTES

SHEET 3 OF 11

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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Obtain approval of all compaction equipment prior to all backfilling and embankment operations.

ITEM 132 – EMBANKMENT
The underlying layer or existing subgrade must be prepared and inspected prior to placement of the embankment. Proof roll the pavement area according to Item 216 prior to placement of embankment or subsequent layers. Payment for proof rolling will be subsidiary to the various bid Items of the contract.

Correct unstable material (e.g., dry, wet, loose, etc.) to a depth of six (6) inches below existing grade. This work will be considered subsidiary to pertinent bid Items. Drying required deeper than six (6) inches below existing grade will be paid for in accordance with General Condition 6.03, "Extra Work." However, there will be no payment to correct failures in the subgrade areas that were constructed under this Contract.

ITEM 132 – EMBANKMENT TY B
Embankment shall be ordinary compaction Type B.

The Construction Observer must approve the embankment material before use on the project.

Furnish embankment material from off-site sources with a maximum PI of 25 that does not contain sulfate contents higher than 3000 ppm. Material provided shall contain rocks less than 8 inches in nominal dimension.

Embankment material with a PI higher than 25 shall not be used within 75 feet of abutments, for culvert backfill, or for backfill behind retaining walls. On-site material with a maximum PI of 35 may be used for embankment but must be placed at least 7 feet below finished grade. Do not use embankment with a PI greater than 35 unless approved by the Construction Observer.

Track ALL embankment slopes left idle for more than 14 days, within or at the end of the 14-day idle period, to prevent erosion. Tracking consists of operating a tracked vehicle or equipment up and down the slope, leaving track marks perpendicular to the direction of the slope. Re-track slopes after rain events, as directed. Consider tracking of slopes to prevent erosion as subsidiary to the pertinent Items.

Correct subgrade (e.g., unstable areas, soft spots, etc.) prior to dumping of Flex Base or HMACP. Consider subsidiary to the pertinent Items.

Scarify and re-compact existing asphaltic/base sections, which are not called out to be removed in fill sections, where bottom of the proposed pavement structure is higher than and over the top of the existing asphalt surface, in order to reduce the possibility of a slip plane.

When subgrade materials contain sulfates, as determined by Tex-145-E, use the following table for treatment of material placed under the pavement structure.

Williamson County
Project: CR 255

Sulfate Content (SC, ppm)	Action
SC < 3000 ppm	Apply calcium-based additive as specified by the pertinent item.
3000 ppm ≤ SC < 7000 ppm	Perform a minimum of 7 days of mellowing and continuous water curing, in accordance with TxDOT guidelines for soil treatment of sulfate-laden soils.
SC ≥ 7000 ppm	Do not treat with calcium-based additives. Undercut to the specified depth and fill with select material or implement fly ash treatment as specified in the general notes for Item 265.

ITEM 160 – TOPSOIL
No sandy loam allowed. Obtain approval of the actual depth of the topsoil sources for both on-site and off-site sources.

ITEM 169 – SOIL RETENTION BLANKETS
Type A blankets containing straw fibers are not allowed. Type B and D blankets shall be a spray type blanket.

ITEM 204 – SPRINKLING
Apply water for dust control as directed. When dust control is not being maintained, cease operations until dust control is maintained. Consider subsidiary to the pertinent Items.

ITEM 216 – PROOF ROLLING
Correct and perform "Proof Rolling" retest at the Contractor's expense, to the satisfaction of the Construction Observer, when initial "Proof Rolling" yields a failing result. All Proof Rolling is subsidiary to pertinent items.

ITEM 247 – FLEXIBLE BASE
Furnish Type _A__ material.

Furnish flexible base meeting Grade _4__ requirements.

The layer thickness will be 4 in. to 6 in. unless shown on the plans. Placing in a single layer is allowed when total thickness of base is less than 8 in. When placed in multiple layers, compact the bottom and middle layers to at least 95% and 98% of the maximum dry density, respectively. When placed in a single layer or the final layer, compact to at least 100%. Maximum density shall not exceed 105%. Any density test result exceeding 105% requires additional sample testing and proctor.

Referee testing will be performed by a mutually agreed third party laboratory.

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GENERAL NOTES

SHEET 4 OF 11

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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CHECKED:	WILLIAMSON			10C

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Table 1
Flexible Base Material Requirements

Property	Test Method	Grade 4
Master gradation sieve size	Tex-110-E	**% Retained**
2½ in.		0
1¾ in.		0
7/8 in.		10-35
3/8 in.		30-65
No. 4		45-75
No. 40		70-90
No. 200		87-95
Liquid Limit, % Max.[1]	Tex-104-E	35
Plasticity Index, Max.[1]	Tex-106-E	10
Wet ball mill, % Max.	Tex-116-E	40
Wet ball mill, % Max. increase passing the No. 40 sieve		20
Min. compressive strength, psi	Tex-117-E	
Lateral pressure 0 psi		–
Lateral pressure 3 psi		90
Lateral pressure 15 psi		175

1. Determine plastic index in accordance with Tex-107-E (linear shrinkage) when liquid limit is unattainable as defined in Tex-104-E.

Correct subgrade (e.g., unstable areas, soft spots, etc.) prior to placing Flex Base. Consider subsidiary to the pertinent Items.

Complete all subgrade, ditches, slopes, and place all drainage structures to conform to required lines, grades, and cross-sections, as shown and directed, prior to the placement of Flex Base.

For Flex Base placed over the box culverts, do not use a Vibratory Roller to compact the material.

ITEM 260 – LIME TREATMENT (ROAD-MIXED)
Apply Commercial Lime Slurry as directed or as indicated in the plans and specifications. For embankment sections, the existing material shall be lime treated prior to placing any embankment material. The compaction method shall be Density Control.

The Contractor is responsible for testing of materials encountered at subgrade to determine the target lime content and optimum moisture content in accordance with Tex-121-E. The test results shall be submitted to the Construction Observer for concurrence 10 days prior to application and processing of the lime into the subgrade. The Contractor may propose a mix design developed in accordance with Tex-121-E. The Engineer will use Tex-121-E to verify the Contractor's proposed mix design before acceptance. The Construction Observer will provide written confirmation of

lime content prior to application. All testing should be performed according to the Guide Schedule for Sampling and Testing included in the Project Construction Manual. All testing should be performed according to the Guide Schedule for Sampling and Testing included in the Project Construction Manual. Additionally, field samples shall be tested in accordance with Tex-121-E Parts II and III and have a minimum pH of 12.4.

Measure the sulfate content, in accordance with Tex-145-E, for subgrade soil to be treated. Perform one test per 500 ft. measured along roadway centerline.

If the sulfate content is less than or equal to 3000 ppm, apply, mix, and mellow the subgrade soil with lime slurry in accordance with the standard specification. Hydrated lime or lime slurry can be used when the sulfate content is below 3000 ppm.

If the sulfate content is greater than 3000 ppm, but less than or equal to 7000 ppm, perform the following after applying and mixing lime slurry into the subgrade:

- Apply an additional 4 percentage points of moisture above optimum moisture
- Mix in the additional moisture
- Allow the mixture to mellow at least 7 days

Use lime slurry when sulfate content is greater than 3000 ppm, but less than or equal to 7000 ppm.

If the sulfate content is greater than 7000 ppm, do not apply lime slurry. Undercut to the same depth schedule for lime treatment and replace with select material, in accordance with the plan notes for Item 110 and 132.

The Contractor is responsible for determining the roadway density and moisture content of completed sections in accordance with Tex-115-E. Compact the lime treated subgrade to at least 95% of the maximum density determine in accordance with Tex-121-E.

Before final acceptance, the Contractor shall perform tests to measure the treated depth of the lime treated material in accordance with Tex-140-E at the locations determined by the Engineer.
The Contractor must correct areas deficient by more than ½ in. in thickness or more than ½% in target lime content by adding lime as required, reshaping, recompacting, and refinishing at the Contractor's expense.

ITEM 3096 – ASPHALTS, OILS, AND EMULSIONS
Asphalt season starts May 1st and ends September 15th. Emulsified Asphalt season is April 1 through October 15.

PPA and REOBs are not allowed.

Furnish a tack coat as directed by the Construction Observer. Apply tack coat at 0.08 GAL/SY (residual). Tack coat to be considered subsidiary to HMAC items.

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ITEM 3096 – ASPHALTS, OILS, AND EMULSIONS (NON-TRACKING TACK COAT)
Apply non-tracking tack coat at 0.08 GAL/SY (residual) or as directed by the Construction Observer.

ITEM 310 – PRIME COAT
Apply blotter material to all driveways and intersections.

Use bituminous material of the type Multi Option.

Provide Construction Observer with current Distributor Certification confirming calibration of asphalt measurement equipment.

Distribute prime coat smoothly and evenly at the rate of 0.20 gallons per square yard.

Apply Prime to finished flex base surface at the rate shown in the plans. Hot mix can be applied to the primed surface of flex base after the prime has penetrated and cured for a minimum of 36 hours depending on weather conditions or as approved by the Construction Observer. Provide the Construction Observer with a copy of the asphalt deliver ticket prior to application.

Apply blotter material to all driveways and intersections. This work is subsidiary. When Multi Option is allowed, provide MC 30, EC 30 or AE-P.

Perform work during good weather, unless otherwise directed. If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

ITEM 316 – SEAL COAT
Perform work during good weather, unless otherwise directed. If work is performed at Contractor's option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

Use ionically compatible asphalt to precoated aggregate, which is compatible with the asphalt specified for each specific Surface Treatment.

Do not apply asphalt within 1½ hours of sunset, or later, unless otherwise directed.

Grade 4 and 5 Type D or Type E is allowed as AGGR (MULTI OPTION) for an underseal.

Ensure that all underseal surface treatment operations are covered by HMACP before exposing to traffic, including construction traffic.

Apply both the first and second course of the two-course surface treatment on the same day.

Use paper or other approved material at the beginning and end of each shot so that the transverse joint is straight and prevents overlap of asphalt shots.

Any areas with excessive asphalt or aggregate will be removed.

The Contractor is required to provide recommendations to the Construction Observer on adjusting aggregate and asphalt rates, when the road conditions, material properties or construction methods change.

Furnish medium pneumatic-tire rollers in accordance with Item 210, "Rolling." Roll before opening to traffic.

Surface all transitions, tapers, climbing lanes and intersections to the limits as directed.

Keep all traffic, including construction traffic, off freshly placed surface treatment, as directed.

Provide Construction Observer with current Distributer Certification confirming calibration of asphalt measurement equipment.

Provide Construction Observer with a copy of the shipping ticket for the asphalt prior to application. Contractor must sample asphalt, in accordance with the applicable item. Label the sample can with date and project numbers. Samples must be stored where they are readily available to the County representative at the plant. The Contractor will be responsible for supplying storage for all samples until the project achieves substantial completion or otherwise directed.

Removal and proper disposal off the ROW of audible/profile markings, reflectorized markings, and raised markers is subsidiary.

ITEM 320 – EQUIPMENT FOR ASPHALT CONCRETE PAVEMENT
Use of motor grader is allowed for placement of mixtures greater than 10 inches from the riding surface, when hot mix asphalt is used in lieu of flexible base, or as allowed by the Construction Observer.

ITEMS 3076 – DENSE-GRADED HOT-MIX ASPHALT
(HMACP Testing)[Hot Mix Asphaltic Concrete (HMAC) Core Holes]
Refill and compact all HMAC core holes to the same elevation as the adjacent roadway. Use hot mix of the type being used in the project to fill core holes. As an alternative a high-performance cold patching mix such as Rapid Cure Patching Mix meeting the requirements of DMS-9203 or Medium Cure Patching mix made with SCM meeting requirements of DMS-9202. Consider this work subsidiary to the pertinent Items.

Mill a transverse butt joint to transition from the new ACP to the existing surface tie-in. Make the transition a minimum of 50 feet H: 1-inch V slope ratio of newly placed ACP. Make the temporary

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joint, at the tie-in, a minimum of 10 feet longitudinally and covering the entire width. Saw-cut existing pavement as directed. Prior to milling, core the existing pavement to determine its thickness. Do not proceed with milling until directed. Consider this work subsidiary to the pertinent Items.

ITEMS 3076 – DENSE-GRADED HOT-MIX ASPHALT
Contractor to submit for approval a current mix design (less than 6 months old) to the Construction Observer that meets the following requirements prior to use on the project.

PPA and REOBS are not allowed.

Lime or an approved anti-stripping agent must be used when crushed gravel is utilized to meet a SAC "A" requirement.

Aggregates used on shoulders and ramps are required to meet SAC requirements.

Target laboratory molded density is 97% for all mixtures for Texas Gyratory Compactor (TGC) mixture designs.

When using Superpave Gyratory Compactor (SGC) to design mixtures, submit the SGC mix design to the Construction Observer for approval.

When using substitute binders, mold specimens for mix design and production at the temperature required for the substitute binder used to produce the HMA.

All mixtures must meet the Hamburg requirement as stated in the table below.

High-Temperature Binder Grade	**Test Method**	**Hamburg Wheel Test Requirements [1]**		
		Minimum # of Passes	**Maximum Rut Depth (mm)[2]**	**Minimum Rut Depth (mm)[2,3]**
PG 64 or lower	Tex-242-F	7,000	12.5	3
PG 70	Tex-242-F	15,000	12.5	3
PG 76 or higher	Tex-242-F	20,000	12.5	3

1. The Construction Observer may accept Hamburg Wheel test results for production and placement if no more than 1 of the 5 most recent tests is below the specified number of passes and the failing test is no more than 2,000 passes below the specified number of passes.
2. Rut depth tested @ 122°F
3. Unless approved otherwise.

Use of RAS is not allowed.

RAP is not allowed for any surface mix applications.

ITEM 354 – PLANING AND TEXTURING PAVEMENT
Milling machines must be able to meet the longitudinal grade and cross slope required.

Remove the loose material from the roadway before opening to traffic.

Plane a full lane width before opening to traffic at the end of a work period. Complete seal coat or overlay of planed surface within 24 hours of planing operation.

A single cut will be permitted if at most a 1¼-inch vertical offset is created against adjacent lanes when opened to traffic at the end of a work period.

Accomplish the 2-inch Planed Butt Joint only when there is at least 4 inches of existing thickness of ACP. Consider the determination of existing thickness of ACP as subsidiary to the various Items.

Taper planing at bridge ends as directed. Plane taper surfaces before placing HMACP to allow a minimum of 1-inch surface course to abut the bridge ends.

Make Transverse Tapers on each end of each pass using a minimum slope rate of 50 feet H to 1-inch V.

Retain ownership of planed materials.

Plane the designated areas and depths specified in the plans, including bridge decks, shoulders, and ramps, as required. Mill the pavement producing a final pavement surface with transverse pattern of 0.2 inches center to center of each strike area with difference no greater than 1/16 inch between the ridge and valley (RVD) measurement of the final milled surface. Construct a uniform finish free from gouges and ridges that does not vary more than 1/8 inch in width of the cut.

Use planning machine that is power-driven, self-propelled micro-milling equipment possessing the size and shape to allow traffic safe passage through areas adjacent to the work.

Also, ensure the micro milling equipment will be:
- Equipped with a cutting mandrel with carbide or equivalent tipped cutting teeth designed for micro-milling bituminous pavement full lane width to close tolerances
- Capable of removing pavement to an accuracy of 1/16 inch (1.6 mm) with a maximum tool spacing of 5/8 inches
- Equipped with grade and slope controls operating from a string line or ski and based on mechanical or sonic operation
- Furnished with a lighting system for night work, as necessary
- Provided with conveyors capable of side, rear, or front loading to transfer the milled material from the roadway to a truck

Prior to commencement of the work, construct a test section that is 1000 ft. in length with a uniformly textured surface and cross section as approved by the Construction Observer to

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demonstrate compliance with the transverse pattern, cross slope, and RVD measurement requirements. Stop milling operation and submit a written plan of action detailing proposed steps to improve operations if any of these requirements are exceeded in the test section. If approved by the Construction Observer, construct another 1000 ft. test section in a different area than the initial section using the approved corrective action. The second test section is subject to the same requirements as those required in the initial test section. Continual micro-milling is prohibited until an acceptable test section is obtained.

Ensure micro-milling methods produce a uniform finished surface and maintain a constant cross slope between pavement edges in each lane. Provide positive drainage to prevent water accumulation on the micro-milled pavement, as shown on the Plans or directed by the Construction Observer. The cross slope must be uniform with no depressions or slope misalignments greater than ¼ per 12 ft. exit when the slope is tested with a straightedge placed perpendicular to the center line.

Bevel back the longitudinal vertical edges greater than two (2) inches (50 mm) produced by the removal process and left exposed to traffic. Bevel the vertical edges back at least three (3) inches for each two (2) inches (75 mm for each 50 mm) of material removed. Use an attached mold board or other approved method.

Taper the transverse edges 10 ft. (3 m) to avoid creating a traffic hazard and to produce a smooth surface when removing material at ramp areas and ends of milled sections.

Protect with a temporary asphaltic concrete tie-in (paper joint) vertical edges at other areas such as bridge approach slabs, drainage structures, and utility appurtenances greater than ½ in areas left open to transversing vehicles. Place the temporary tie-in at taper rate of at least 6 to 1 horizontal to vertical distance. Do not micro-mill bridge joints. Damage due to micro-milling will be repaired at the Contractor's expense and to the satisfaction of the Construction Observer.

Remove dust, residue, and loose milled material from the micro-milled surface. Do not allow traffic on the milled surface and do not place asphaltic concrete on the milled surface until removal is complete.

Measure the milled surface with a 10-foot straightedge at locations determined by the Construction Observer for quality acceptance and acceptance of test section of milling operation. Remove and replace any areas exceeding 1/8-inch RVD, as directed by the Construction Observer at no cost to the County.

ITEM 432 – RIPRAP
Fibers for Concrete as defined in DMS-4550 will not be allowed.

Make five (5) inches thick unless otherwise noted or directed.

Make all mow strip riprap four (4) inches, unless otherwise directed.

Saw-cut existing riprap then epoxy 12 in. long No. 3 or No. 4 bars 6 in. deep at a maximum spacing of 18 in. in each direction to tie new riprap to existing riprap. This work is subsidiary.
Provide Type A Grade 3, 4 or 5 flexible base for cement stabilized riprap. Compressive strengths for flexible base are waived.

Additional riprap may be required, as determined by the Construction Observer, near the end of project completion, due to unanticipated erosion locations. Any additional, approved riprap will be paid under this Item.

Consider saw cutting of riprap as subsidiary.

Provide Class B_ Concrete for riprap.

Provide Class II_ Concrete for pneumatically placed concrete.

Remove all loose Formwork and other Materials from the Floodplain or drainage areas, daily, which could float off in a Storm Water Event, as directed.

ITEMS 462, 467
Place FLOWABLE FILL in areas, underneath the Roadway, where there will be less than three (3) feet of depth from top of pipe or structure to the subgrade elevation. Payment made under Item 401.

ITEM 462 – CONCRETE BOX CULVERTS AND DRAINS
Provide Shop Drawings, signed and sealed by a Licensed Professional Engineer, for all precast box culverts that are not manufactured by suppliers on TxDOT's approved MPL. Indicate the appropriate design load as shown on the plans LRFD and the maximum design depth of fill.

Use cohesionless backfill material of aggregate size range of ⅜-inch to 1½-inch, for bedding material.

Remove all loose Formwork and other Materials from the Floodplain or drainage areas, daily, which could float off in a Storm Water Event, as directed.

ITEM 466 – HEADWALLS AND WINGWALLS
Use Class **C** concrete for headwalls or wingwalls.

Remove all loose Formwork and other Materials from the Floodplain or drainage areas, daily, which could float off in a Storm Water Event, as directed.

Prior to the completion of work, stencil the National Bridge Inventory (NBI) number (structure number) on each structure built/shown on this project, as directed. Verify with the Construction Observer that the NBI number (structure number), which is shown on each Bridge Layout, is the

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number to use. Stencil the NBI number (structure number), using black paint and 4 in. tall numbers, in an approved location on each bridge. Consider subsidiary to the pertinent Items.

ITEM 467 – SAFETY END TREATMENT
Cut pipe ends, in the field, to match roadway side slopes, or as directed. Apply asphalt base aluminum paint to the cut ends.

All Type II SETs shall have mitered pipe ends and cast-in-place riprap aprons.

Use Class **C** concrete.

Remove all loose Formwork and other Materials from the Floodplain or drainage areas, daily, which could float off in a Storm Water Event, as directed.

ITEM 496 – REMOVING STRUCTURES
include a Traffic Control Plan (TCP) for any Structure(s) Removal, as directed.

The structure or structures to be removed may have surface coatings, which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and Regulations as well as those set by Texas Department of State Health Services (DSHS).

The structural steel to be removed may contain lead paint. Submit a proposed demolition plan for approval by the Construction Observer at least 60 days prior to the desired demolition date. Demolition plan should limit disturbing where lead paint is located when possible. If flame cutting methods will be used and lead paint cannot be avoided, the County will arrange to have the paint removed at the indicated flame-cutting locations. The paint will be removed by a separate contractor for a width of four (4) inches. No paint removal will be required if other demolition methods are employed.

Store the following Items to be salvaged at an approved location(s):

ITEM 502 – BARRICADES, SIGNS, AND TRAFFIC HANDLING
Unless otherwise approved, one (1) lane in each direction shall remain open at all times.

No work will be allowed between 8:00 PM to 5:00 AM without approval from Construction Observer. Nighttime lane closures will only be allowed with approval from Construction Observer and only from 8:00 PM to 5:00 AM, unless otherwise shown on the plans.

No Daytime Lane Closures will be allowed, unless otherwise shown on the plans or as directed by the GEC.

The GEC is the authority to approve additional lane closures, prior to any work.

Maintain a written record of documentation of "The Additional Approved Lane Closures."

Submit and secure concurrence, prior to the publication of any notices or placement of any traffic control devices for implementation of the traffic control plan, hereinafter called a Lane Closure Notice (LCN).

Present to GEC, an LCN for traffic control, which is proposed for implementation, a minimum of four (4) full working days preceding any proposed implementation date. Indicate the estimated date, time, duration, and location for the proposed work. As a part of the LCN submit a written description of the lane closure(s) depicting the proposed traffic control devices used, based on the appropriate plan sheet, TxDOT or Texas Manual on Uniform Traffic Control Devices (TMUTCD) standards, and an operational description of the work to be performed.

Present to GEC, LCN's proposed to detour traffic, a minimum of ***seven (7)*** full calendar days preceding any proposed implementation date.

Present to GEC, LCN's proposed for night work, a minimum of ***seven (7)*** full calendar days preceding any proposed implementation date.

Receive concurrence prior to LCN implementation.

Meet with the Construction Observer prior to roadway and lane closures to ensure that sufficient equipment, materials, devices, and workers will be used. Discuss contingency plans at that time. Consider inclement weather prior to implementing the lane closures.

Submit a cancellation of any lane closures, no later than noon on the day preceding the proposed work.

Coordinate lane closures with adjacent projects.

Obtain prior approval for any Lane Closures, which occur during peak hours. Maintain a minimum of **1** lane(s) open, in each direction, at all times, unless otherwise directed. This includes 'full' closures of the Roadway, unless otherwise directed.

Take immediate action to modify Closures / Traffic Control, if at any time backup (roadway queuing) becomes unreasonable (greater than 20 minutes). Have in place, a contingency plan of how this will occur.

Utilize Shadow Vehicle with Truck Mounted Attenuator for setup and removal of each lane closure.

Do not set up any Lane Closure / TCP when the pavement is wet prior to the "setup," unless otherwise directed. Revise Traffic Control, when inclement weather is imminent, as directed.

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Incorporate and maintain a 3H: 1V safety wedge into the proposed construction for any roadway edge of 2 inches or greater adjacent to a roadway under traffic.

Within the limits of the project, provide standard barricades, warning signs, delineators, lights, 28-inch cones, and flaggers in enough numbers and combinations, as directed.

For lanes use night-work and same-night remove-and-replace operations.

Temporarily relocate mailbox assemblies as shown on the plans or as directed. Maintain access to all mailboxes throughout the duration of the project. Maintenance of existing mailboxes is subsidiary to Item 502.

No closures will be allowed on the weekends, which include the following holidays: January 1st, the last Monday in May, July 4th, the first Monday in September, the fourth Thursday in November, December 25th, Easter weekend, and the working day prior to or immediately after any of the aforementioned holidays. Unless otherwise approved, no closures will be allowed on the weekends of special events that could be impacted by the construction. Ensure all equipment, vehicles, workers, etc., associated with these closures are off the roadways and all lanes re-opened, at least, by noon of the Friday before these holidays and special events.

Maintain a minimum of 1 through lane(s) in each direction, during the daylight hours, unless otherwise directed.

Provide uniformed law enforcement personnel with officially marked patrol vehicles as directed.

ITEM 506 – TEMPORARY EROSION, SEDIMENTATION AND ENVIRONMENTAL CONTROLS
Construction Exits (TY 1) and (Ty 2) to be placed to coincide with construction operations in the field and as approved by the Construction Observer.

ITEM 529 – CONCRETE CURB, GUTTER AND COMBINED CURB AND GUTTER
Fibers for concrete as defined in DMS-4550 will not be allowed.

Concrete Curb & Gutter (C&G) and combined C&G shall be constructed to match geometry and grades shown in the plans. C&G shall be constructed to a tolerance within a 1/4" per 10 feet, using a straight edge. C&G not within tolerance parameters is subject to removal or as directed by the Construction Observer. Rework is at the Contractor's expense.

ITEM 530 – INTERSECTIONS, DRIVEWAYS, AND TURNOUTS
Notify property owners a minimum of 48 hours in advance of beginning work on their driveways. Provide, to GEC, a list of each notification and contact prior to each closure.

Provide access, at all times, to adjacent property. Construct driveways one-half sections, to allow access.
Do not completely close driveways for reconstruction purposes, unless a reasonable alternate access exists to the property, as approved.

Place the Flex Base for the Driveways using Ordinary Compaction.

ITEM 540 – METAL BEAM GUARD FENCE (MBGF)
Before beginning the installation of the proposed Metal Beam Guard Fence (MBGF), stake the locations for approval. Adjust the limits of the MBGF to meet field conditions, as directed, before erection.

Furnish round timber posts for guard fence. Steel posts for low fill culvert applications are subsidiary including use of low fill culvert application due to other concrete structures such as inlets. Long span application at inlets may be used as an alternate to low fill culvert. Unless otherwise specified on the plans, use of low fill culvert or long span at inlets will be subsidiary to pertinent items. Install delineators before opening the road to traffic.

Adjust existing rail as per plans and in accordance with the latest TxDOT standard. Removal, replacement, or installation of mow strip block out material will be subsidiary. Constructing new or backfilling**, using class B concrete,** unused mow strip block outs will be subsidiary.

Provide Rail Elements that meet AASHTO M 180 TY I Galvanization (1.80 oz. per SY).

Rail and rail elements that are in compliance with current standards and are undamaged should stockpiled at a location, approved by the Construction Observer, within the project limits for pick up by the County.

ITEM 560 – MAILBOX ASSEMBLIES
Supplement each new mailbox installation with Type 2 object marker placed on the mailbox support in a vertical position six (6) inches below the bottom of the mailbox.

Reflective tape may be used to simulate a Type 2 marker placed on tubular supports. Use tape that meets DMS-8600. The simulated marker will consist of three (3) – 2¾-inch x 2¾-inch pieces of yellow high intensity tape spaced one (1) inch apart.

The Type 2 marker will consist of OM-2SR or OM-2VP object markers if delineator post supports are used. Bi-directional brackets may be required on Size 2 mailbox installations. Consider subsidiary to the pertinent Items.

ITEM 585 - RIDE QUALITY FOR PAVEMENT SURFACES
Use Surface Test Type B Pay Schedule 2 to evaluate ride quality of travel lanes, including service roads.

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ITEM 644 – SMALL ROADSIDE SIGN ASSEMBLIES
Fabricate all small signs not detailed on the plans in conformance with the latest edition of the "Standard Highway Sign Designs for Texas," refer to TxDOT's website.

Triangular slip base must be the clamp style to secure the post to the slip base. Set screw style slip base will not be allowed.

ITEM 658 – DELINEATOR AND OBJECT MARKER ASSEMBLIES
All delineator post and supports, excluding metal components, must be manufactured in the same color that matches the color of the reflector. Field painting is not allowed.

Flexible posts YFLX and WFLX must be tubular in shape. The "flat" flexible posts are not allowed.
CTB delineators must be placed on top of the CTB.

Installation and maintenance of portable CTB reflectors will be subsidiary to the barrier.

CTB delineators must be placed on top of the CTB.

ITEM 662 – WORK ZONE PAVEMENT MARKINGS
Notify the Construction Observer at least 24 hours in advance of removing existing striping and placing pavement markings & markers.

Apply markings during good weather unless otherwise directed. If markings are placed at Contractor's option, when inclement weather is impending, and the markings are damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the markings if required.

Remove work zone pavement markings within 48 hours after permanent striping has been completed.

Foil backed pavement markings will not be allowed.

ITEM 666 – RETRO-REFLECTORIZED PAVEMENT MARKINGS
Reference existing channel islands, gores, and lane striping before commencing work. Provide referencing that will include a sketch of the layout to the Construction Observer. Obtain approval for placement of guidemarks from the Construction Observer before installing any permanent pavement markings. Consider subsidiary to the pertinent Items.

TY II markings must cure 48 hours, prior to placing TY I markings.

ITEM 672 – RAISED PAVEMENT MARKERS
Place the bituminous adhesive at a temperature range of 380°F to 390°F. Place the pavement marker on the bituminous adhesive within approximately 20 seconds after the adhesive is placed on the pavement. Ensure the pavement marker rests solely on the adhesive and not the pavement surface. Ensure that a minimum of ⅛ inch layer of bituminous adhesive remains between the pavement marker and the pavement surface.

ITEM 6001 – PORTABLE CHANGEABLE MESSAGE SIGN
Provide 2 "Electronic" Portable Changeable Message Sign(s) (EPCMS) as part of the traffic control operations and provide another one that is available to utilize when a backup is needed. Consider the one designated for backup as subsidiary to the various Items of the project. Placement location and message as directed.

Place appropriate number of "Electronic" Portable Changeable Message Signs (EPCMS) at locations requiring lane closures for one (1) week prior to the closures, or as directed. Obtain approval for the actual message that will appear on the boards. If more than two phases of a message are required per board, provide additional EPCMS's to meet the two-phases-per-board requirement.

ITEM 6185 – TRUCK MOUNTED ATTENUATOR AND TRAILER ATTENUATOR
The TMA/TA used for installation/removal of traffic control for a work area will be subsidiary to the TMA/TA used to perform the work.

The contractor will be responsible for determining if one or more operations will be ongoing at the same time to determine the total number of TMA/TA required for the work. TMA/TAs paid by the day is full compensation for all worksite locations during an entire day.
TMA/TAs used to protect damaged attenuators will be paid by the day using the force account item for the repair.

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

GENERAL NOTES

SHEET 11 OF 11

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			10J

USER: eguti
DATE: 10/23/2024 8:59
SCRIPT: pw://server.slg-eng.com:Slgeds\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Miscellaneous\CR255_plot.pen
FILE: pw://server.slg-eng.com:Slgeds\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Plan_Set\01. General\CR255_General Notes_01.dgn

Object coordinates are Texas State Plane Coordinate System GRID Central Zone NAD83 (2011) with a combined scale factor of 0.999880014

Vertical datum was derived from NAVD88 and Geoid 2018.

Site Control

PointNo.	Northing(Y)	Easting(X)	Elev(Z)	Description
1	10236590.0397	3077949.1889	951.2714	TPS-5/8IRS
2	10236855.3399	3076780.1320	947.8689	TPS-5/8IRS
3	10237704.7464	3078220.8324	966.5453	TPS-5/8IRS
4	10248903.1545	3074302.6698	1054.7941	TPS-5/8IRS
5	10249145.5171	3074819.7688	1048.5901	TPS-5/8IRS
6	10241024.3911	3077388.4229	975.0328	TPS-CGSS

UAV Mission Detail

Date Flown - 10/12/2022
Aircraft - Autel Evo II Pro RTK
Camera - Autel Robotics XT705 20MP
Altitude - 230ft AGL
GSD - 0.6in/pxl
Overlaps - 75% Front / 65% Side
Structure from Motion Accuracy - 0.13ft

0 200 400 600



Surveyor Certification:

I, Charles G. Walker, do hereby certify that this Survey substantially complies with the current Texas Society of Professional Surveyors Manual of Practice requirements for a Category 6, Condition II, Topographic Survey.

The topographic survey was performed substantially following the Standards set out in ASPRS,2014, ASPRS Positional Accuracy Standards for Digital Geospatial Data.

No research was performed by Walker Texas Surveyors, Inc.

All underground utilities have not been located by this surveyor. The hereon signed Registered Professional Land Surveyor makes no warranty as to the existence or location of any such utility, whether serving the subject tract or for the purpose of servicing other properties.

Subsurface and environmental conditions were not examined or considered as a part of this survey.

The word "certify" or "certification" as shown and used hereon means an expression of professional opinion regarding the facts of the survey and does not constitute a Warranty or guarantee, expressed or implied.

10-12-22

Charles G. Walker, RPLS #5283

STATE OF TEXAS REGISTERED CHARLES G. WALKER 5283 PROFESSIONAL LAND SURVEYOR

CR255 CONTROL AND 1FT TOPO
RONALD REAGAN BLVD TO CR254
WILLIAMSON COUNTY, TEXAS

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm #10103800

Job #

Object coordinates are Texas State Plane Coordinate System GRID Central Zone NAD83 (2011) with a combined scale factor of 0.999880014

Vertical datum was derived from NAVD88 and Geoid 2018.

Site Control

PointNo.	Northing(Y)	Easting(X)	Elev(Z)	Description
1	10236590.0397	3077949.1889	951.2714	TPS-5/8IRS
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UAV Mission Detail

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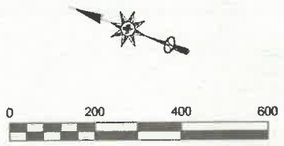



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10-12-22

Charles G. Walker, RPLS #5283

STATE OF TEXAS REGISTERED CHARLES G. WALKER 5283 PROFESSIONAL LAND SURVEYOR

CR255 CONTROL AND 1FT TOPO
RONALD REAGAN BLVD TO CR254
WILLIAMSON COUNTY, TEXAS

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm #10103800

Job #----

PLT: C:\USERS\MICHAEL\DOWNLOADS\DROPBOX\072854 CR 255 20220722 PHASE1\0-DRONE\02-CHASCO\DELIVERABLES R255_DTM_TOPO_101222.DWG

Object coordinates are Texas State Plane Coordinate System GRID Central Zone NAD83 (2011) with a combined scale factor of 0.999880014

Vertical datum was derived from NAVD88 and Geoid 2018.

Site Control

PointNo.	Northing(Y)	Easting(X)	Elev(Z)	Description
1	10238590.0397	3077949.1889	951.2714	TPS-5/8IRS
2	10236855.3399	3078780.1320	947.8689	TPS-5/8IRS
3	10237704.7464	3078220.8324	966.5453	TPS-5/8IRS
4	10248903.1545	3074302.6698	1054.7941	TPS-5/8IRS
5	10249145.5171	3074819.7688	1048.5901	TPS-5/8IRS
6	10241024.3911	3077388.4229	975.0328	TPS-CGSS

UAV Mission Detail

Date Flown - 10/12/2022
Aircraft - Autel Evo II Pro RTK
Camera - Autel Robotics XT705 20MP
Altitude - 230ft AGL
GSD - 0.6in/pxl
Overlaps - 75% Front / 65% Side
Structure from Motion Accuracy - 0.13ft

0 200 400 600



Surveyor Certification:

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10-12-22

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STATE OF TEXAS REGISTERED CHARLES G. WALKER 5283 PROFESSIONAL LAND SURVEYOR

CR255 CONTROL AND 1FT TOPO
RONALD REAGAN BLVD TO CR254
WILLIAMSON COUNTY, TEXAS

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm # 10103800

Job #-----

Plot: C:\USERS\MICHAEL\DOWNLOADS\DROPBOX\070054 CR 255 20220722 PARCELS\0-DRONE\02-CHASCO\DELIVERABLES R255_DTM_TOPO_101222.DWG

Object coordinates are Texas State Plane Coordinate System GRID Central Zone NAD83 (2011) with a combined scale factor of 0.999880014

Vertical datum was derived from NAVD88 and Geoid 2018.

Site Control

PointNo.	Northing(Y)	Easting(X)	Elev(Z)	Description
1	10236590.0397	3077949.1889	951.2714	TPS-5/8IRS
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6	10241024.3911	3077388.4229	975.0328	TPS-CGSS

UAV Mission Detail

Date Flown - 10/12/2022
Aircraft - Autel Evo II Pro RTK
Camera - Autel Robotics XT705 20MP
Altitude - 230ft AGL
GSD - 0.6in/pxl
Overlaps - 75% Front / 65% Side
Structure from Motion Accuracy - 0.13ft

0 200 400 600



Surveyor Certification:

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No research was performed by Walker Texas Surveyors, Inc.

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10-12-22

Charles G. Walker, RPLS #5283

STATE OF TEXAS REGISTERED CHARLES G. WALKER 5283 LICENSED LAND SURVEYOR

CR255 CONTROL AND 1FT TOPO
RONALD REAGAN BLVD TO CR254
WILLIAMSON COUNTY, TEXAS

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm #10103800

Job #-----

Plot: C:\USERS\MICHAEL\DOWNLOADS\DROPBOX\0750054 CR 255 20230722 PARCELS\0-DRONE\02-CHASCO\DELIVERABLES 9253_DTM_TOPO_101222.DWG

SUMMARY OF TCP QUANTITIES

	0400-6012	0460-6005	0502-6001	0506-6020	0506-6021	0506-6024	0508-6001	0512-6009	0512-6010	0512-6057	0512-6058	0552-6002	0552-6006	0662-6004
SHEET OF SHEET	CUT AND RESTORE PAV (FLEX BASE)	CMP (GAL STL 36 IN)	BARRICADES, SIGNS AND TRAFFIC HANDLING	CONSTRUCTION EXITS (INSTALL)(TY 1)	CONSTRUCTION EXITS (INSTALL)(TY 2)	CONSTRUCTION EXITS (REMOVE)	CONSTRUCTING DETOURS	PORT CTB (FUR&INST) (LOW PROF) (TY 1)	PORT CTB (FUR&INST) (LOW PROF) (TY 2)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	WIRE FENCE (TY B)	GATE (TY 2)	WK ZN PAV MRK NON-REMOV (W)4"(SLD)
	SY	LF	MO	SY	SY	SY	SY	LF	LF	LF	LF	LF	EA	LF
TCP PHASE 1	40	162					8456					50	1	
TCP PHASE 2A							2829							8077
TCP PHASE 2B								400	120					7518
TCP PHASE 2C														330
TCP PHASE 3								120	40					22708
TCP PHASE 4										520	160			
TOTAL	40	162	21	666	605	1271	11285	520	160	520	160	50	1	38633

NOTE:

BID ITEM 6001-6001 ACCOUNTS FOR TWO PCMS UNITS AT 150 DAYS EACH

SUMMARY OF TCP QUANTITIES CONT.

	0662-6012	0662-6016	0662-6017	0662-6029	662-6034	0662-6063	0662-6075	0662-6095	0662-6109	0662-6111	6001-6001	6185-6002	6185-6003
SHEET OF SHEETS	WK ZN PAV MRK NON-REMOV (W)8"(SLD)	WK ZN PAV MRK NON-REMOV (W)24"(SLD)	WK ZN PAV MRK NON-REMOV (W)(ARROW)	WK ZN PAV MRK NON-REMOV(W)(WORD)	WK ZN PAV MRK NON-REMOV (Y)4"(SLD)	WK ZN PAV MRK REMOV (W)4"(SLD)	WK ZN PAV MRK REMOV (W)24"(SLD)	WK ZN PAV MRK REMOV (Y)4"(SLD)	WK ZN PAV MRK SHT TERM (TAB)TY W	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	PORTABLE CHANGEABLE MESSAGE SIGN	TMA (STATIONARY)	TMA (MOBILE OPERATION)
	LF	LF	EA	EA	LF	LF	LF	LF	EA	EA	DAY	DAY	HR
TCP PHASE 1									66	332		21	20
TCP PHASE 2A		48			8022	475	12	756				21	
TCP PHASE 2B		12			7518	3471		3511				45	
TCP PHASE 2C					737								
TCP PHASE 3	928	135			22654							88	
TCP PHASE 4			4	4					94	1134		28	164
TOTAL	928	195	4	4	38931	3946	12	4267	160	1466	300	203	184

ADDENDUM #2

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

QUANTITY SUMMARIES

SHEET 1 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			15

USER: eguillamez
DATE: 12/12/2024 3:38
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FILE: pw://server.slg-eng.com:Slg-ds\Documents\WILCO302-CR255_CR286\Design_Data\4 - Design\Plan_Set\01. General\CR255_QTY_SUM_01

SUMMARY OF ROADWAY QUANTITIES

SHEET OF SHEET	0100-6002 PREPARING ROW	0105-6035 REMOVING STAB BASE & ASPH PAV (0-2")	0110-6001 EXCAVATION (ROADWAY)	0132-6003 EMBANKMENT (FINAL)(ORD COMP)(TY B)	0247-6044 FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	0260-6002 LIME (HYDRATED LIME (SLURRY))	0260-6027 LIME TRT (EXST MATL)(8")	0310-6001 PRIME COAT (MULTI OPTION)	0316-6193 AGGR(TY-D GR-5 SAC-B)	0316-6413 ASPH(AC-15P, HFRS-2P OR CRS-2P)	0354-6017 PLAN & TEXT CONC PAV(0" TO 2")	0401-6001 FLOWABLE BACKFILL	0432-6046 RIPRAP (MOW STRIP)(5 IN)	0529-6038 CONC CURB (RIBBON)	0530-6004 DRIVEWAYS (CONC)	0530-6005 DRIVEWAYS (ACP)	0540-6002 MTL W-BEAM GD FEN (STEEL POST)	0540-6020 MTL W - BEAM GD FEN (LOW FILL CULVERT)	0544-6001 GUARDRAIL END TREATMENT (INSTALL)	3076-6001 D-GR HMA TY-B PG64-22	3076-6040 D-GR HMA TY-D PG70-22	3076-6066* TACK COAT
	STA	SY	CY	CY	CY	TON	SY	GAL	CY	GAL	SY	CY	CY	LF	SY	SY	LF	LF	EA	TON	TON	GAL
1 OF 16	7.2	1645	1630	265	1250	49	2727	522	17	835				109						420	268	195
2 OF 16	10.00	2240	7274	35	1677	67	3711	710	24	1137						144				571	365	265
3 OF 16	10.00	2266	5450	327	1676	67	3709	710	24	1136						77				571	365	265
4 OF 16	10.00	2117	5984	1726	1829	74	4092	706	23	1128		135	57			283	219	56	4	568	363	263
5 OF 16	10.00	1919	3617	1927	1675	67	3705	710	24	1135					72	344				570	365	265
6 OF 16	10.00	2156	5998	436	1688	67	3702	709	24	1134				96	206	278				570	364	264
7 OF 16	10.00	2254	8445	6052	1996	79	4384	839	28	1343				96	136	456				675	431	313
8 OF 16	10.00	2551	5324	3078	2431	95	5296	949	32	1518		435	48	175		417	69	56	4	763	488	354
9 OF 16	10.00	2111	4878	1371	1703	67	3703	709	24	1134		51		192		408				570	364	264
10 OF 16	10.00	2098	6360	470	1688	67	3702	709	24	1134		31		95		350				570	364	264
11 OF 16	10.00	2417	1876	3765	1863	72	4034	708	24	1132		183	48	189		412	20	80	4	569	363	264
12 OF 16	10.00	1894	2853	3698	1676	67	3708	710	24	1136						269				571	365	265
13 OF 16	10.00	1808	5147	1184	1676	67	3708	710	24	1136						680				571	365	265
14 OF 16	10.00	1548	2103	1848	1667	66	3689	706	23	1130		148								568	363	263
15 OF 16	10.00		1186	2653	1757	70	3888	744	25	1191		30								599	382	277
16 OF 16	5.4		616	1065	1303	50	2844	544	17	871				110						438	280	203
BON WINDE		413	158	113	72			94	3	151										76	48	35
HILL TOP SPRINGS		106	33	2	42			24	1	39										19	12	9
DANIELS MOUNTAIN		257	89	374	102			58	2	93										47	30	22
BIG OAKS		273	2	197	109			62	2	100										50	32	23
LOSTSPRINGS/TIMBER			91	102	167			95	3	152										77	49	36
POWDER HORN		418	84	209	181			103	3	165						40				83	53	39
255		328	422		239			136	5	218										110	70	51
BIG VALLEY/CR 289	3.50	1160	1324	328	608			347	11	555			25			139	225		2	279	178	129
RONALD REAGAN BLVD			4378	3445	2370	92	5089	914	30	1462	934					123				811	2715	1056
TOTAL	156	31979	75322	34670	31446	1183	65691	13228	441	21165	934	1013	178	1062	414	4420	533	192	14	10716	9042	5649

* - FOR CONTRACTOR'S INFORMATION ONLY

SUMMARY OF MAILBOXES

NUMBER	STATION	LT/RT	0560-6001 MAILBOX INSTALL-S (TWG-POST) TY 1
			EA
1	23+01.50	RT	1
2	40+10.00	RT	1
3	46+05.00	RT	1
4	46+05.00	RT	1
5	48+00.00	RT	1
6	49+05.00	RT	1
7	51+90.00	RT	1
8	57+15.00	RT	1
9	58+60.00	RT	1
10	61+55.00	RT	1
11	69+20.00	RT	1
12	69+20.00	RT	1
13	69+20.00	RT	1
14	76+80.00	RT	1
15	78+70.00	RT	1
16	83+30.00	LT	1
17	84+25.00	RT	1
18	84+40.00	RT	1
SUB TOTAL			18

SUMMARY OF MAILBOXES CONTINUED

NUMBER	STATION	LT/RT	0560-6001 MAILBOX INSTALL-S (TWG-POST) TY 1
			EA
19	88+50.00	RT	1
20	89+40.00	RT	1
21	90+63.00	RT	1
22	95+20.00	RT	1
23	105+10.00	RT	1
24	107+20.00	RT	1
25	107+20.00	RT	1
26	112+15.00	RT	1
27	114+25.00	RT	1
28	116+70.00	RT	1
29	119+15.00	RT	1
30	127+30.00	RT	1
31	129+70.00	RT	1
32	132+60.00	RT	1
33	133+60.00	RT	1
34	133+30.00	RT	1
35	135+00.00	RT	1
36	141+60.00	RT	1
TOTAL			36

ADDENDUM #2

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group TBPE License No. 12670

PLANNING • ENGINEERING • CONSTRUCTION

CR 255

QUANTITY SUMMARIES

SHEET 2 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			16

USER: eguillerrez
DATE: 12/12/2024 3:38
SCRIPT: pw:\\server.slg-eng.com:Slg-ias\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Miscellaneous\CR255_jobLayer.pen
FILE: pw:\\server.slg-eng.com:Slg-ias\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Plan_Set\01. General\CR255_QTY_SUM_02.dgn

SUMMARY OF TRAFFIC QUANTITIES

SHEET OF SHEET	0644-6002	0644-6004	0644-6028	0644-6030	0644-6036	0644-6060	0658-6047	0666-6035	0666-6047	0666-6053	0666-6077	0666-6110	0666-6116	0666-6174
	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	IN SM RD SN SUP&AM TYS80(1)SA(P-BM)	IN SM RD SN SUP&AM TYS80(1)SA(T)	IN SM RD SN SUP&AM TYS80(1)SA(U-BM)	IN SM RD SN SUP&AM TYTWT(1)WS(P)	INSTL OM ASSM (OM-2Y)(WC)GND	REFL PAV MRK TY I (W)8"(SLD)(090MIL)	REFL PAV MRK TY I (W)24"(SLD)(090MIL)	REFL PAV MRK TY I (W)(ARROW)(090MIL)	REFL PAV MRK TY I (W)(WORD)(090MIL)	REFL PAV MRK TY I(W)(BIKE SYML)(090MIL)	REFL PAV MRK TY I (W)(BIKE DOT)(090MIL)	REFL PAV MRK TY II (W) 6" (SLD)
	EA	EA	EA	EA	EA	EA	EA	LF	LF	EA	EA	EA	EA	LF
1 OF 8			1	1		4			16					3466
2 OF 8							4							3995
3 OF 8	1			1					17					4107
4 OF 8	3			2		1	6	340	34	2	2			4171
5 OF 8	3	1		1			8		48					4523
6 OF 8		1					4							3909
7 OF 8						1	4							3825
8 OF 8			1	1	1	3	8	562	22	2	2			3099
255 AND CR 289			3	3		3	4							1602
RONALD REAGAN BLVD						7		1410		6	4	2	47	
TOTAL	7	2	5	9	1	19	38	2312	137	10	8	2	47	32697

SUMMARY OF TRAFFIC QUANTITIES (CONT)

SHEET OF SHEET	0666-6178	0666-6182	0666-6184	0666-6192	0666-6202	0666-6204	0666-6210	0666-6285	0666-6289	0666-6305	0666-6324	0666-6325	0672-6007	0672-6009
	REFL PAV MRK TY II (W) 8" (SLD)	REFL PAV MRK TY II (W) 24" (SLD)	REFL PAV MRK TY II (W) (ARROW)	REFL PAV MRK TY II (W) (WORD)	REFL PAV MRK TY II (W) (BIKE SYMBOL)	REFL PAV MRK TY II (W) (BIKE DOT)	REFL PAV MRK TY II (Y) 6" (SLD)	REF PROF PAV MRK TY I(W)6"(SLD)(090MIL)	REF PROF PAV MRK TY I(Y)6"(SLD)(090MIL)	RE PM W/RET REQ TY I (W)6"(BRK)(090MIL)	RE PM W/RET REQ TY II (W) 6" (BRK)	RE PM W/RET REQ TY II (W) 6" (SLD)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A
	LF	LF	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA
1 OF 8		16					3418	3466	3418					43
2 OF 8							3995	3995	3995					50
3 OF 8		17					4015	4107	4015					51
4 OF 8		34	2	2			4104	4171	4104				17	74
5 OF 8		48					4377	4523	4377					55
6 OF 8							3818	3909	3818					48
7 OF 8							3825	3825	3825					48
8 OF 8	562	22	2	2			3034	3099	3034				29	80
255 AND CR 289		48					1607	1602	1607					20
RONALD REAGAN BLVD	141		6	4	2	47	6608	6608	4579	117	117	4579	25	68
TOTAL	703	185	10	8	2	47	38801	39305	36772	117	117	4579	71	537

SUMMARY OF EROSION CONTROL QUANTITIES

SHEET OF SHEET	0160-WC01	0161-WC01	0162-WC103	0164-WC04	0164-WC05	0164-WC10	0166-6002	0168-WC01	0169-6001	0169-6008	506-6002	506-6003	506-6011	506-6038	506-6039
	FURNISHING AND PLACING TOPSOIL (4")	EROSION CONTROL COMPOST (3")	MULCH TOPDRESSING (5")	SEEDING FOR EROSION CONTROL (TEMP)(COOL)(TY 4)	SEEDING FOR EROSION CONTROL (PERM)(WARM)(TY 5)	SEEDING FOR EROSION CONTROL (TEMP)(WARM)(TY 10)	FERTILIZER	VEGETATIVE WATERING	SOIL RETENTION BLANKETS (CL 1) (TY A)	SOIL RETENTION BLANKETS (CL 2) (TY H)	ROCK FILTER DAMS (INSTALL) (TY 2)	ROCK FILTER DAMS (INSTALL) (TY 3)	ROCK FILTER DAMS (REMOVE)	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)
	SY	SY	SY	SY	SY	SY	TON	MG	SY	SY	LF	LF	LF	LF	LF
1 OF 8	20107	5027	5027	10054	20107	10054	1.26	603		1513	100		100	2666	2666
2 OF 8	22603	5651	5651	11302	22603	11302	1.41	678	5948	381	140	60	200	1096	1096
3 OF 8	23799	5950	5950	11900	23799	11900	1.49	714	502	106	80		80	2003	2003
4 OF 8	31460	7865	7865	15730	31460	15730	1.97	944	492	7958	60	200	260	1126	1126
5 OF 8	22631	5658	5658	11316	22631	11316	1.41	679	64		220	70	290	1761	1761
6 OF 8	22278	5570	5570	11139	22278	11139	1.39	668	2295	1069	180	60	240	1795	1795
7 OF 8	23873	5968	5968	11937	23873	11937	1.49	716			100	130	230	2624	2624
8 OF 8	20872	5218	5218	10436	20872	10436	1.30	626			140	60	200	1237	1237
255/CR 289	2653	663	663	1327	2653	1327	0.17	80						1193	1193
RONALD REAGAN BLVD	13396	3349	3349	6698	13396	6698	0.84	402			20		20	3807	3807
TOTAL	203672	50918	50918	101836	203672	101836	12.73	6110	9301	11027	1040	580	1620	19308	19308

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
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CR 255

QUANTITY SUMMARIES

SHEET 3 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			17

USER: kcrahoske
DATE: 11/6/2024 2:05
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CULVERT SUMMARY

CULVERT ID	110-6002 EXCAVATION CHANNEL (CY)	402-6001 TRENCH EXCAVATION PROTECTION (LF)	432-6002 RIPRAP (CONC) (5IN) (CY)	432-6031 RIPRAP (STONE PROTECTION) (12 IN) (CY)	432-6035 RIPRAP (STONE PROTECTION) (24 IN) (CY)	459-6005 GABION MATTRESSES (GALV) (6 IN) (SY)	462-6003 CONC BOX CULV (4 FT X 2 FT) (LF)	462-6006 CONC BOX CULV (5 FT X 2 FT) (LF)	462-6007 CONC BOX CULV (5 FT X 3 FT) (LF)	462-6015 CONC BOX CULV (7 FT X 4 FT) (LF)	462-6101 CONC BOX CULV (10 FT X 4 FT) (LF)	464-6008 RC PIPE (CL III) (36 IN) (LF)	466-6164 WINGWALL (FW-S) (HW=3 FT) (EA)	466-6166 WINGWALL (FW-S) (HW=5 FT) (EA)	466-6169 WINGWALL (FW-S) (HW=8 FT) (EA)	466-6179 WINGWALL (PW-1) (HW=4 FT) (EA)	466-6180 WINGWALL (PW-1) (HW=5 FT) (EA)	466-6181 WINGWALL (PW-1) (HW=6 FT) (EA)
CR 255																		
CULVERT 1 STA 44+85	430	35	42		272					304				1				1
CULVERT 2 STA 86+10	650	40	33		403					368				1				1
CULVERT 2B DANIELS MOUNTAIN RD	140	93	39	98						380								1
CULVERT 3 STA 92+50			27		74				122					1			1	
CULVERT 4 STA 105+70	45	98	14	14								223						
CULVERT 5 STA 118+33	208		70		555						244				1			
CULVERT 6A CR289 STA 14+75	240		13			448		118								2		
CULVERT 6B STA 143+65	50			118					170							2		
CULVERT 7 STA 151+00			17		39				52									
CULVERT 8 STA 157+50			25	26			68						2					
TOTALS	1763	266	280	256	1343	448	68	118	344	1052	244	223	2	3	1	4	1	3

CULVERT SUMMARY

CULVERT ID	466-6182 WINGWALL (PW-1) (HW=7 FT) (EA)	467-6177 SET (TY I) (S=5 FT) (HW=4 FT) (4:1) (C) (EA)	467-6179 SET (TY I) (S=5 FT) (HW=4 FT) (6:1) (C) (EA)	467-6448 SET (TY II) (36 IN) (RCP) (3:1) (C) (EA)	467-6453 SET (TY II) (36 IN) (RCP) (6:1) (C) (EA)
CR 255					
CULVERT 1 STA 44+85					
CULVERT 2 STA 86+10					
CULVERT 2B DANIELS MOUNTAIN RD	1				
CULVERT 3 STA 92+50					
CULVERT 4 STA 105+70				2	2
CULVERT 5 STA 118+33	1				
CULVERT 6A CR289 STA 14+75					
CULVERT 6B STA 143+65					
CULVERT 7 STA 151+00		1	1		
CULVERT 8 STA 157+50					
TOTALS	2	1	1	2	2

MISC DRAINAGE SUMMARY

PLAN SHEEETS STA TO STA	402-6001 TRENCH EXCAVATION PROTECTION (LF)	432-6002 RIPRAP (CONC) (5IN) (CY)
CR 255		
BEGIN TO STA 20+00		
STA 20+00 TO STA 31+00		31
STA 31+00 TO STA 42+00		30
STA 42+00 TO STA 53+00	80	27
STA 53+00 TO STA 64+00		
STA 64+00 TO STA 75+00		26
STA 75+00 TO STA 86+00		
STA 86+00 TO STA 97+00		
STA 97+00 TO STA 108+00		
STA 108+00 TO STA 119+00	67	
STA 119+00 TO STA 130+00		
STA 130+00 TO STA 141+00		
STA 141+00 TO STA 152+00		
STA 152+00 TO STA 163+00		
STA 163+00 TO END		
RONALD REAGAN		
BEGIN TO STA 20+00		
STA 20+00 TO END		
TOTALS	147	114

NO.	REVISION	BY	DATE

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE SUMMARY

SHEET 1 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	18

USER: ClayGann
DATE: 10/25/2024 8:34:46 AM
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FILE: c:\dgn\claygann\ms81662\CR255_DRAINAGE_SUMMARY_1.dgn

SUMMARY OF DRAINAGE STRUCTURES

INLET TYPE	INLET I.D.	RDWY CHAIN	STATION	OFFSET	ITEM 465 DESC 6126 INLET (COMPL) (PSL) (FG) (3FTX3FT-3FTX3FT) EA	ITEM 467 DESC 6137 SET (TY I) (S= 4 FT) (HW= 3 FT) (3:1) (C) EA	ITEM 467 DESC 6142 SET (TY I) (S= 4 FT) (HW= 3 FT) (6:1) (P) EA	ITEM 467 DESC 6105 SET (TY I) (S= 3 FT) (HW= 3 FT) (3:1) (C) EA	ITEM 467 DESC 6110 SET (TY I) (S= 3 FT) (HW= 3 FT) (6:1) (P) EA	ITEM 467 DESC 6147 SET (TY I) (S= 4 FT) (HW= 4 FT) (6:1) (P) EA	ITEM 467 DESC 6180 SET (TY I) (S= 5 FT) (HW= 4 FT) (6:1) (P) EA	ITEM 467 DESC 6363 SET (TY II) (18 IN) (6:1) (P) EA	ITEM 467 DESC 6395 SET (TY II) (24 IN) (6:1) (P) EA
Junction	1A1	CR255	22+75.00	-53.50								1	
Junction	1A2	CR255	23+16.00	-53.30								1	
Junction	1A3	CR255	26+57.00	-54.00						2			
Junction	1A4	CR255	26+83.00	-54.00						2			
Junction	1A5	CR255	39+69.00	-54.00							2		
Junction	1A6	CR255	40+09.00	-54.00							2		
Junction	1B1	CR255	47+92.00	-52.80									1
Junction	1B2	CR255	47+37.00	-51.70									1
Junction	1B3	CR255	45+65.00	-52.50					1				
Junction	1B4	CR255	44+85.00	-56.00				1					
Junction	2A1	CR255	51+75.00	-54.50									1
Junction	2A2	CR255	52+26.00	-54.00									1
Junction	2A3	CR255	58+52.00	-54.00									2
Junction	2A4	CR255	58+80.00	-54.00									2
Junction	2A5	CR255	61+54.00	-54.00									2
Junction	2A6	CR255	61+82.00	-54.00									2
Junction	2A7	CR255	64+48.00	-54.00					1				
Junction	2A8	CR255	64+69.00	-54.00					1				
Junction	2A9	CR255	67+06.00	-55.00					1				
Grate	2B0	DANIELMT	12+79.86	25.00	1								
Junction	2C1	CR255	56+70.00	22.00								1	
Junction	2C2	CR255	57+23.00	20.00								1	
Junction	2C3	CR255	63+58.00	25.00								1	
Junction	2C4	CR255	64+40.00	25.00								1	
Junction	2C5	CR255	68+70.00	18.50								1	
Junction	2C8	CR255	69+66.00	19.50								1	
Junction	2C9	CR255	72+64.00	20.30								1	
Junction	3A1	CR255	88+13.00	-48.50								1	
Junction	3A2	CR255	88+53.00	-56.00								1	
Junction	3A3	CR255	89+35.00	-55.80								1	
Junction	3A4	CR255	89+77.00	-56.20								1	
Junction	3C3	CR255	90+52.00	30.60								1	
Junction	3C4	CR255	91+20.00	30.70								1	
Junction	3D0	CR255	97+89.00	31.00								1	
Junction	3D1	CR255	97+07.00	31.30								1	
Junction	3D2	CR255	95+23.00	31.80								1	
Junction	3D3	CR255	94+54.00	32.00								1	
Junction	4A1	CR255	104+80.00	-49.60									1
Junction	4A2	CR255	105+50.97	-52.66									1
Junction	4C1	CR255	100+40.00	36.40								1	
Junction	4C2	CR255	101+32.00	36.00								1	
Junction	5A1	CR255	108+26.00	-50.00								1	
Junction	5A2	CR255	108+72.00	-51.20								1	
Junction	5A3	CR255	112+84.00	-56.60								1	
Junction	5A4	CR255	113+29.00	-57.50								1	
Junction	5B1	CR255	130+58.00	-52.80								1	
Junction	5B2	CR255	129+93.00	-55.20								1	
Junction	5B3	CR255	119+21.00	-56.00			1						
Junction	5B4	CR255	118+54.00	-53.61		1							
Junction	5C1	CR255	112+21.00	24.50								1	
Junction	5C2	CR255	112+80.00	26.00								1	
Junction	5C3	CR255	114+13.00	29.00								1	
Junction	5C4	CR255	114+77.00	29.00								1	
Junction	5C5	CR255	115+77.47	31.00								1	
Junction	5C6	CR255	116+70.00	37.20								1	
Junction	5D1	CR255	127+93.00	37.50								1	
Junction	5D2	CR255	126+98.00	49.00								1	
Junction	5D3	CR255	121+86.00	47.00								1	
Junction	5D4	CR255	120+88.00	42.00								1	
Junction	6C1	CR255	134+80.00	34.20								1	
Junction	6C2	CR255	135+56.00	37.00								1	
Junction	6C3	CR255	136+14.00	37.00								1	
Junction	6C4	CR255	136+93.00	36.20								1	
Junction	6C5	CR255	141+15.00	37.00								1	
Junction	6C6	CR255	142+00.00	33.80								1	
Junction	6D1	CR289	15+54.00	22.00								1	
Junction	6D2	CR289	15+30.00	24.40								1	
Junction	9A1	RRB	23+00.00	-56.00								1	
Junction	9A2	RRB	21+93.00	-49.00								1	
Junction	9A3	RRB	19+39.96	-59.00									1
Junction	2A10	CR255	67+29.00	-55.00					1				
Junction	2C10	CR255	73+06.00	21.00								1	
Junction	2C11	CR255	73+52.00	21.00								1	
Junction	2C12	CR255	73+96.00	21.00								1	
Junction	2C13	CR255	76+18.00	22.00								1	
Junction	2C14	CR255	76+68.00	22.00								1	
Junction	2C15	CR255	78+25.00	20.50								1	
Junction	2C16	CR255	78+70.00	20.50								1	
Junction	2C17	CR255	83+79.00	17.70									1
Junction	2C18	CR255	84+31.00	18.00									1
Junction	2C20	CR255	54+67.00	27.00								1	
Junction	2C21	CR255	55+21.00	25.00								1	
Outlet	9A OUT	RRB	18+38.66	-59.00									1
TOTAL CR 255					1	1	1	1	5	4	4	56	18

NO.	REVISION	BY	DATE

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CLG CIVIL ENGINEERING

CR 255

DRAINAGE SUMMARY

SHEET 2 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	19

USER: ClayGann
DATE: 10/25/2024 8:34:47 AM
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CR 255 DRIVEWAY PIPES

STORM SEWER I.D.	U.S. NODE I.D.	D.S. NODE I.D.	ITEM 432 DESC 6031 RIPRAP (STONE PROTECTION) (12 IN) CY	ITEM 432 DESC 6035 RIPRAP (STONE PROTECTION) (24 IN) CY	ITEM 462 DESC 6001 CONC BOX CULV (3 FT X 2 FT) LF	ITEM 462 DESC 6004 CONC BOX CULV (4 FT X 3 FT) LF	ITEM 462 DESC 6007 CONC BOX CULV (5 FT X 3 FT) LF	ITEM 462 DESC 6003 CONC BOX CULV (4 FT X 2 FT) LF	ITEM 464 DESC 6003 RC PIPE (CL III) (18 IN) LF	ITEM 464 DESC 6005 RC PIPE (CL III) (24 IN) LF
LINE 1A1	1A1	1A2	4						41	
LINE 1A3	1A3	1A4	29			52				
LINE 1A5	1A5	1A6	44				79			
LINE 1B1	1B1	1B2								54
LINE 1B3	1B3	1B4			54					
LINE 2A1	2A1	2A2	8							51
LINE 2A3	2A3	2A4	10							56
LINE 2A5	2A5	2A6	13							56
LINE 2A7	2A7	2A8		31	21					
LINE 2A9	2A9	2A10		32	23					
LINE 2B0	2B0	2B OUT							11	
LINE 2C1	2C1	2C2	2						53	
LINE 2C3	2C3	2C4	3						82	
LINE 2C5	2C5	2C8	3						96	
LINE 2C9	2C9	2C10	4						42	
LINE 3A1	3A1	3A2	4						41	
LINE 3A3	3A3	3A4	5						42	
LINE 3C3	3C3	3C4							68	
LINE 3D0	3D0	3D1							82	
LINE 3D2	3D2	3D3							69	
LINE 4A1	4A1	4A2								71
LINE 4C1	4C1	4C2	1						91	
LINE 5A1	5A1	5A2							46	
LINE 5A3	5A3	5A4	4						50	
LINE 5B1	5B1	5B2	8						65	
LINE 5B3	5B3	5B4						67		
LINE 5C1	5C1	5C2	2						59	
LINE 5C3	5C3	5C4	2						64	
LINE 5C5	5C5	5C6	3						93	
LINE 5D1	5D1	5D2	2						96	
LINE 5D3	5D3	5D4							98	
LINE 6C1	6C1	6C2	1						76	
LINE 6C3	6C3	6C4	1						79	
LINE 6C5	6C5	6C6	2						86	
LINE 6D1	6D1	6D2							25	
LINE 9A1	9A1	9A2	2						108	
LINE 9A3	9A3	9A OUT	2							102
LINE 2C11	2C11	2C12	4						44	
LINE 2C13	2C13	2C14	4						50	
LINE 2C15	2C15	2C16	5						45	
LINE 2C17	2C17	2C18	9							52
LINE 2C20	2C20	2C21	2						54	
TOTALS			183	63	98	52	79	67	1,856	442

ADDENDUM #2

NO.	REVISION	BY	DATE

DEPARTMENT OF INFRASTRUCTURE

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE SUMMARY

SHEET 3 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	20

USER: ClayGann
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FILE: c:\dgn\clay.gann\tmp31662\CR255_DRAINAGE_SUMMARY_3.dgn

SUMMARY OF REMOVALS

SHEET OF SHEET	0104-6017	0104-6021	0496-6007	0496-6008	0496-6043	0496-6050
	REMOVING CONC (DRIVEWAYS)	REMOVING CONC (CURB)	REMOV STR (PIPE)	REMOV STR (BOX CULVERT)	REMOV STR (SMALL FENCE)	REMOV STR (DRIVEWAY CULVERT)
	SY	LF	LF	LF	LF	EA
1 OF 3			60			5
2 OF 3	342	874	60	407	50	12
3 OF 3			60			8
RONALD REAGAN BLVD						2
TOTAL	342	874	180	407	50	27

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255

QUANTITY SUMMARIES

SHEET 7 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			21

USER: korahoske
DATE: 11/6/2024 2:05
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ESTIMATE SUMMARY

BID ITEM NUMBER	CR 255 DESCRIPTION	UNIT	TOTAL EST.	TOTAL FINAL
0100-6002	PREPARING ROW	STA	156	
0104-6017	REMOVING CONC (DRIVEWAYS)	SY	342	
0104-6021	REMOVING CONC (CURB)	LF	874	
0105-6035	REMOVING STAB BASE & ASPH PAV (0-2")	SY	31979	
0110-6001	EXCAVATION (ROADWAY)	CY	75322	
0110-6002	EXCAVATION (CHANNEL)	CY	1763	
0132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	34670	
0160-WC01	FURNISHING AND PLACING TOPSOIL (4")	SY	203672	
0161-WC01	EROSION CONTROL COMPOST (3")	SY	50918	
0162-WC103	MULCH TOPDRESSING (5")	SY	50918	
0164-WC04	SEEDING FOR EROSION CONTROL (TEMP)(COOL)(TY 4)	SY	101836	
0164-WC05	SEEDING FOR EROSION CONTROL (PERM)(WARM)(TY 5)	SY	203672	
0164-WC10	SEEDING FOR EROSION CONTROL (TEMP)(WARM)(TY 10)	SY	101836	
0166-6002	FERTILIZER	TON	13	
0168-WC01	VEGETATIVE WATERING	MG	6110	
0169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	SY	9301	
0169-6008	SOIL RETENTION BLANKETS (CL 2) (TY H)	SY	11027	
0247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	CY	31446	
0260-6002	LIME (HYDRATED LIME (SLURRY))	TON	1183	
0260-6027	LIME TRT (EXST MATL)(8")	SY	65691	
0310-6001	PRIME COAT (MULTI OPTION)	GAL	13228	
0316-6193	AGGR(TY-D GR-5 SAC-B)	CY	441	
0316-6413	ASPH(AC-15P, HFRS-2P OR CRS-2P)	GAL	21165	
0354-6017	PLAN & TEXT CONC PAV(0" TO 2")	SY	934	
0400-6012	CUT AND RESTORE PAV (FLEX BASE)	SY	40	
0401-6001	FLOWABLE BACKFILL	CY	1013	
0402-6001	TRENCH EXCAVATION PROTECTION	LF	413	
0432-6002	RIPRAP (CONC)(5 IN)	CY	394	
0432-6031	RIPRAP (STONE PROTECTION)(12 IN)	CY	439	
0432-6035	RIPRAP (STONE PROTECTION)(24 IN)	CY	1406	
0432-6046	RIPRAP (MOW STRIP)(5 IN)	CY	178	
0459-6005	GABION MATTRESSES (GALV)(6 IN)	SY	448	
0460-6005	CMP (GAL STL 36 IN)	LF	162	
0462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	98	
0462-6003	CONC BOX CULV (4 FT X 2 FT)	LF	135	
0462-6004	CONC BOX CULV (4 FT X 3 FT)	LF	52	
0462-6006	CONC BOX CULV (5 FT X 2 FT)	LF	118	
0462-6007	CONC BOX CULV (5 FT X 3 FT)	LF	423	
0462-6015	CONC BOX CULV (7 FT X 4 FT)	LF	1052	
0462-6101	CONC BOX CULV (10 FT X 4 FT)	LF	244	
0464-6003	RC PIPE (CL III)(18 IN)	LF	1856	
0464-6005	RC PIPE (CL III)(24 IN)	LF	442	
0464-6008	RC PIPE (CL III)(36 IN)	LF	223	
0465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	EA	1	
0466-6164	WINGWALL (FW - S) (HW=3 FT)	EA	2	
0466-6166	WINGWALL (FW - S) (HW=5 FT)	EA	3	
0466-6169	WINGWALL (FW - S) (HW=8 FT)	EA	1	
0466-6179	WINGWALL (PW - 1) (HW=4 FT)	EA	4	
0466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA	1	
0466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA	3	
0466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA	2	
0467-6105	SET (TY I)(S=3 FT)(HW=3FT)(3:1)(C)	EA	1	
0467-6110	SET (TY I)(S=3 FT)(HW= 3 FT)(6:1)(P)	EA	5	
0467-6137	SET (TY I)(S= 4 FT)(HW= 3 FT)(3:1) (C)	EA	1	
0467-6142	SET (TY I)(S= 4 FT)(HW= 3 FT)(6:1) (P)	EA	1	
0467-6147	SET (TY I)(S= 4 FT)(HW= 4 FT)(6:1) (P)	EA	4	
0467-6177	SET (TY I)(S= 5 FT)(HW= 4 FT)(4:1) (C)	EA	1	
0467-6179	SET (TY I)(S= 5 FT)(HW= 4 FT)(6:1) (C)	EA	1	
0467-6180	SET (TY I)(S= 5 FT)(HW= 4 FT)(6:1) (P)	EA	4	
0467-6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	56	
0467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	18	
0467-6448	SET (TY II) (36 IN) (RCP) (3: 1) (C)	EA	2	
0467-6453	SET (TY II) (36 IN) (RCP) (6: 1) (C)	EA	2	
0496-6007	REMOV STR (PIPE)	LF	180	
0496-6008	REMOV STR (BOX CULVERT)	LF	407	
0496-6043	REMOV STR (SMALL FENCE)	LF	50	
0496-6050	REMOV STR (DRIVEWAY CULVERT)	EA	27	
0500-6001	MOBILIZATION	LS	1	
0502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	21	
0506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	1040	
0506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	LF	580	
0506-6011	ROCK FILTER DAMS (REMOVE)	LF	1620	
0506-6020	CONSTRUCTION EXITS (INSTALL)(TY 1)	SY	666	
0506-6021	CONSTRUCTION EXITS (INSTALL)(TY 2)	SY	605	
0506-6024	CONSTRUCTION EXITS (REMOVE)	SY	1271	
0506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	19308	
0506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	19308	
0508-6001	CONSTRUCTING DETOURS	SY	11285	
0512-6009	PORT CTB (FUR&INST) (LOW PROF) (TY 1)	LF	520	
0512-6010	PORT CTB (FUR&INST) (LOW PROF) (TY 2)	LF	160	
0512-6057	PORT CTB (REMOVE) (LOW PROF) (TY 1)	LF	520	
0512-6058	PORT CTB (REMOVE) (LOW PROF) (TY 2)	LF	160	
0529-6038	CONC CURB (RIBBON)	LF	1062	
0530-6004	DRIVEWAYS (CONC)	SY	414	
0530-6005	DRIVEWAYS (ACP)	SY	4420	
0540-6002	MTL W-BEAM GD FEN (STEEL POST)	LF	533	
0540-6020	MTL W - BEAM GD FEN (LOW FILL CULVERT)	LF	192	
0544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	14	
0552-6002	WIRE FENCE (TY B)	LF	50	
0552-6006	GATE (TY 2)	EA	1	
0560-6001	MAILBOX INSTALL-S (TWG-POST) TY 1	EA	36	
0644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	EA	7	
0644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	2	
0644-6028	IN SM RD SN SUP&AM TYS80(1)SA(P-BM)	EA	5	
0644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	9	
0644-6036	IN SM RD SN SUP&AM TYS80(1)SA(U-BM)	EA	1	
0644-6060	IN SM RD SN SUP&AM TYTWT(1)WS(P)	EA	19	
0662-6004	WK ZN PAV MRK NON-REMOV (W)4"(SLD)	LF	38633	
0662-6012	WK ZN PAV MRK NON-REMOV (W)8"(SLD)	LF	928	
0662-6016	WK ZN PAV MRK NON-REMOV (W)24"(SLD)	LF	195	
0662-6017	WK ZN PAV MRK NON-REMOV (W)(ARROW)	EA	4	
0662-6029	WK ZN PAV MRK NON-REMOV(W)(WORD)	EA	4	
0662-6034	WK ZN PAV MRK NON-REMOV (Y)4"(SLD)	LF	38931	
0662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	3946	
0662-6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	12	
0662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	4267	
0662-6109	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	160	
0662-6111	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	1466	
0658-6047	INSTL OM ASSM (OM-2Y)(WC)GND	EA	38	
0666-6035	REFL PAV MRK TY I (W)8"(SLD)(090MIL)	LF	2312	
0666-6047	REFL PAV MRK TY I (W)24"(SLD)(090MIL)	LF	137	
0666-6053	REFL PAV MRK TY I (W)(ARROW)(090MIL)	EA	10	
0666-6077	REFL PAV MRK TY I (W)(WORD)(090MIL)	EA	8	
0666-6110	REFL PAV MRK TY I(W)(BIKE SYML)(090MIL)	EA	2	
0666-6116	REFL PAV MRK TY I (W)(BIKE DOT)(090MIL)	EA	47	
0666-6174	REFL PAV MRK TY II (W) 6" (SLD)	LF	32697	
0666-6178	REFL PAV MRK TY II (W) 8" (SLD)	LF	703	
0666-6182	REFL PAV MRK TY II (W) 24" (SLD)	LF	185	
0666-6184	REFL PAV MRK TY II (W) (ARROW)	EA	10	
0666-6192	REFL PAV MRK TY II (W) (WORD)	EA	8	
0666-6202	REFL PAV MRK TY II (W) (BIKE SYMBOL)	EA	2	
0666-6204	REFL PAV MRK TY II (W) (BIKE DOT)	EA	47	
0666-6210	REFL PAV MRK TY II (Y) 6" (SLD)	LF	38801	
0666-6285	REF PROF PAV MRK TY I(W)6"(SLD)(090MIL)	LF	39305	
0666-6289	REF PROF PAV MRK TY I(Y)6"(SLD)(090MIL)	LF	36772	
0666-6305	RE PM W/RET REQ TY I (W)6"(BRK)(090MIL)	LF	117	
0666-6324	RE PM W/RET REQ TY II (W) 6" (BRK)	LF	117	
0666-6325	RE PM W/RET REQ TY II (W) 6" (SLD)	LF	4579	
0672-6007	REFL PAV MRKR TY I-C	EA	71	
0672-6009	REFL PAV MRKR TY II-A-A	EA	537	
0544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	14	
3076-6001	D-GR HMA TY-B PG64-22	TON	10716	
6001-6001	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	300	
6185-6002	TMA (STATIONARY)	DAY	203	
6185-6003	TMA (MOBILE OPERATION)	HR	184	

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WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

ADDENDUM #2

CR 255

ESTIMATE AND QUANTITIES

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			22

USER: equillarrez
DATE: 12/12/2024 4:10
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jobt.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/01. General/CR 255 E&Q.dgn

WATERLINE SEQUENCE OF CONSTRUCTION

PHASE 1

1. CONSTRUCT WATERLINES A, A2, B AND C ACROSS AND ALONG CR 255. THESE WATERLINES MUST BE CONSTRUCTED AND OPERATIONAL PRIOR TO BEGINNING PHASE 1 ROADWAY CONSTRUCTION NORTH OF STA. 142+25.00.

PHASE 2

1. CONSTRUCT WATERLINES D THRU L ALONG CR 255. CONTRACTOR WILL COORDINATE WATERLINE CONSTRUCTION WITH ROADWAY CONSTRUCTION. WATERLINE CONSTRUCTION ACTIVITIES AND RELATED TRAFFIC CONTROL TO BE APPROVED BY THE CONSTRUCTION OBSERVER.

TCP GENERAL NOTES

1. FURNISH AND INSTALL ALL TRAFFIC CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO BARRICADES, SIGNS, AND WORK ZONE MARKINGS, IN COMPLIANCE WITH THE LATEST VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TXMUTCD), THE STATE STANDARD TRAFFIC CONTROL PLANS (TCP), AND THE BARRICADES AND CONSTRUCTION (BC) SHEETS.

2. NOTICE TO CONTRACTOR: THERE ARE EXISTING OVERHEAD AND UNDERGROUND UTILITIES ALONG THE PROJECT CORRIDOR. CONTRACTOR WILL EXERCISE CAUTION WHEN WORKING NEAR UTILITIES AND COORDINATE WORK WITH UTILITY RELOCATION EFFORTS BY OTHERS.

3. CROSS-STREETS SHALL BE CONSTRUCTED SO THAT ACCESS IS MAINTAINED THROUGHOUT CONSTRUCTION PHASES, EXCEPT AS NOTED IN THE SEQUENCE OF CONSTRUCTION, AS SHOWN ON THE TCP. ALL DESIGN CHANGES TO MAINTAIN ACCESS AT INTERSECTIONS SHALL BE AS APPROVED BY THE OBSERVER.

4. THE CONTRACTOR SHALL PROVIDE QUALIFIED FLAGGERS EQUIPPED WITH TWO-WAY COMMUNICATION TO HANDLE TRAFFIC THROUGH THE WORK AREAS.

5. PRIOR TO THE END OF EACH DAY'S WORK, CR 255 MUST BE REOPENED TO TWO-WAY, TWO-LANE TRAFFIC WITHIN THE ENTIRE PROJECT LIMITS, EXCEPT AS ALLOWED IN THE SEQUENCE OF CONSTRUCTION. UNDER NO OTHER CIRCUMSTANCES SHALL ANY SECTION OF THE ROADWAY BE RESTRICTED TO ONE LANE WITHOUT QUALIFIED FLAGGERS PRESENT AT BOTH ENDS OF THE LANE CLOSURE, EQUIPPED WITH TWO-WAY COMMUNICATION DEVICES TO PROVIDE SAFE TRAFFIC CONTROL.

6. VERIFY THE LOCATION AND SPACING OF ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES PRIOR TO THEIR PLACEMENT ALONG VERTICAL CURVES, HORIZONTAL CURVES, AND OTHER GEOMETRIC CONSTRAINTS TO ENSURE VISIBILITY TO ALL MOTORISTS.

7. PLACE THE TRAFFIC CONTROL DEVICES ONLY WHILE WORK IS ACTUALLY IN PROGRESS OR A DEFINITE NEED EXISTS. REPLACE ANY DAMAGED BARRICADES, CHANNELIZING DEVICES OR SIGNS.

8. MAINTAIN THE ROADWAY SURFACE AND WORK ZONE PAVEMENT MARKING WITHIN THE PROJECT WHILE TRAFFIC CONTROL PLAN IS IN EFFECT. PLACE AND BE RESPONSIBLE FOR ALL WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH STANDARD SHEETS WZ(STPM)-13, BC(11), BC(12) AND THE TXMUTCD.

9. CONTRACTOR TO PROVIDE ACCESS TO ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION UNLESS ARRANGEMENTS WITH THE PROPERTY HAVE BEEN MADE IN WRITING.

10. PLACE ALL STOCKPILED MATERIAL, WASTE MATERIAL, SIGNS, BARRICADES, CHANNELIZING DEVICES AND WORK VEHICLES NOT IN USE, AT A MINIMUM OF 16 FEET FROM THE OUTER EDGE OF THE NEAREST TRAVEL LANE.

TCP GENERAL NOTES:

11. MAINTAIN ALL EXISTING DRAINAGE CONDITIONS DURING ALL CONSTRUCTION PHASES UNTIL THE PERMANENT DRAINAGE FACILITES ARE CONSTRUCTED AND READY TO USE. HANDLEEXCAVATED AND STOCKPILED MATERIAL IN A MANNER THAT WILL NOT BLOCK DRAINAGE. PIPES UNDER TEMPORARY PAVEMENT ARE SUBSIDIARY TO ITEM 508. DRAINAGE PIPES SHOWN IN THE TCP SHEETS UNDER EXISTING PAVEMENT SHALL BE PAID FOR UNDER THE APLICABLE BID ITEM. REMOVAL SHALL BE SUBSIDIARY TO THE SAME ITEM. ANY ADDITIONAL WORK OR MATERIALS TO MAINTAIN DRAINAGE WILL BE SUBSIDIARY TO ITEM 502.

12. ALL PAVEMENT EDGE DROP-OFFS USED BY THE TRAVELING PUBLIC SHALL BE BACK FILLED WITH A SUITABLE MATERIAL TO FORM A STABLE 3:1 SLOPE AT THE END OF EACH WORK DAY PER WZ(UL)-13.

13. REMOVE FROM THE WORK AREA ALL LOOSE MATERIALS AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS AT THE END OF EACH WORK DAY.

14. ADDITIONAL SIGNS, BARRICADES AND CHANNELIZING DEVICES MAY BE REQUIRED TO MAINTAIN TRAFFIC DURING CONSTRUCTION, AS SHOWN ON TCP STANDARDS. ADDITIONAL SIGNS, BARRICADES, ETC. (IF ANY), WILL BE SUBSIDIARY TO ITEM 502 "BARRICADES, SIGNS AND TRAFFIC HANDLING".

15. IMPLEMENT ALL REQUIRED EROSION CONTROL MEASURES AS SHOWN IN THE PLANS DURING THE VARIOUS STAGES OF CONSTRUCTION.

16. CONTRACTOR SHALL TEMPORARILY RELOCATE MAILBOXES AS NEEDED OR AS DIRECTED BY THE ENGINEER. TEMPORARY RELOCATION WILL BE SUBSIDIARY TO ITEM 502. PERMANENT LOCATION WILL BE PAID FOR UNDER ITEM 560. CONTRACTOR SHALL COORDINATE RELOCATION WITH THE POSTMASTER.

17. MAINTAIN OVERALL DRAINAGE DURING CONSTRUCTION.

18. ALL STATION AND OFFSET REFERENCES IN TCP ARE TO ℄ CR 255 EXCEPT AS NOTED IN THE PLANS.

ROADWAY SEQUENCE OF CONSTRUCTION

IT IS THE INTENT OF THE PROJECT'S SEQUENCE OF CONSTRUCTION TO PHASE THE WORK IN A MANNER THAT MINIMIZES THE RISK OF CONCENTRATED DRAINAGE FLOWS OVER ROADWAY SEGMENTS OPEN TO TRAFFIC. AS SUCH, CONSTRUCTION OF SPECIFIC CULVERTS, ROADWAY SEGMENTS AND DETOUR TRANSITIONS ARE ISOLATED ONTO SPECIFIC PHASES OR STEPS SO CONSTRUCTION EFFORTS CAN BE FOCUSED ON THE SPECIFIC TASK AND COMPLETED IN THE SHORTEST TIME POSSIBLE. REQUESTS, TO THE OBSERVER, TO AMEND THE SEQUENCE OF CONSTRUCTION BY THE CONTRACTOR WILL BE EVALUATED ON THIS BASIS.

PHASE 1

CONSTRUCTION NORTH OF CR 289

1. CONSTRUCT TEMPORARY PAVEMENT
   a. ALONG SOUTHBOUND SIDE OF EXISTING CR 255 FROM STA. 12+81.44 TO STA. 39+81.00, FROM STA. 105+23.55 TO STA. 116.23.89, FROM 116+44.57 TO STA. 122+13.20, AND FROM STA. 137+97.26 TO STA. 12+34.16 (CR 289).
   b. ALONG NORTHBOUND SIDE OF EXISTING CR 255 STA. 115+70.81 TO STA. 116+66.61.
   c. ALONG EASTBOUND SIDE OF BIG VALLEY SPUR FROM STA. 11+90.04 (CR 289) TO STA. 13+93.63 (CR 289).

   PLACE TEMPORARY DRAINAGE PIPES UNDER TEMPORARY PAVEMENT AT LOCATIONS SHOWN ON THE PHASE 1 LAYOUT SHEETS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/14/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

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CR 255
SEQUENCE OF CONSTRUCTION

SHEET 1 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			23

USER: eguillermez
DATE: 11/14/2024 3:13
SCRIPT: pw://server.slg-eng.com:Slg-ds5/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.slg-eng.com:Slg-ds5/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255 SOC01.dgn

PHASE 1 (CON'T)

2. CONSTRUCT TEMPORARY DRAINAGE PIPES UNDER EXISTING CR 255 FROM STA. 118+12.00 TO 118+40.00. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY TCP OPERATIONS. OPEN TRENCHES WILL BE PLATED AT THE END OF EACH WORKDAY AS NEEDED AND ROADWAY OPEN TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

3. CONSTRUCT CULVERT #1 TO THE LIMITS SHOWN ON THE PHASE 1 LAYOUT AND NORTHBOUND SIDE END TREATMENT. MAINTAIN TRAFFIC ON EXISTING CR 255 DURING CONSTRUCTION.

4. FOR WORK LISTED ON ITEMS 1 THRU 3, MAINTAIN TRAFFIC ON EXISTING CR 255 PAVEMENT. PROVIDE TYPE 3 BARRICADES AND CHANNELIZING DEVICES AT DRIVEWAYS AND CROSS-STREETS, ALONG PERMANENT PAVEMENT CONSTRUCTION AND ALONG TEMPORARY PAVEMENT CONSTRUCTION AS SHOWN ON TCP PHASE 1 LAYOUT SHEETS. AT LOCATIONS ALONG CR 255 WHERE WORK CONSTRAINS REMAINING EXISTING PAVEMENT, IMPLEMENT A DAILY ONE-LANE, TWO-WAY OPERATION AS SHOWN ON TCP STANDARD TCP(2-2)-18 AND OTHER APPLICABLE TCP STANDARDS.

UPON COMPLETION OF TEMPORARY PAVEMENT, PLACE WORK ZONE PAVEMENT MARKINGS AS SHOWN ON TCP PHASE 2A LAYOUTS. REFER TO TCP ALIGNMENT DATA SHEETS AND TCP TYPICAL SECTIONS FOR ADDITIONAL GUIDANCE. SHIFT TRAFFIC AS SHOWN ON TCP PHASE 2A LAYOUTS.

CONSTRUCTION SOUTH OF CR 289

1. CONSTRUCT CR 255 PERMANENT PAVEMENT FROM STA. 142+25.00 TO STA. 165+37.88. CONSTRUCT THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS, INTERSECTIONS AND CORRESPONDINGPARALLEL DRAINAGE CULVERTS AS SHOWN ON PLAN DETAILS. PROVIDE TEMPORARY DRIVEWAY TIES TO EXISTING PAVEMENT AS REQUIRED.

2. CONSTRUCT CULVERTS AND SETS FOR CULVERTS #6B, #7 AND #8.

3. GRADE SIDESLOPES TO THE GRADES AND LINES SHOWN ON THE ROADWAY CROSS-SECTIONS.

4. FOR WORK LISTED ON ITEMS 1 THRU 3, PLACE ROAD CLOSED SIGNS AND TYPE 3 BARRICADES AT CONSTRUCTION LIMITS. REFER TO TCP PHASE 1 LAYOUT SHEETS AND AS SHOWN ON APPLICABLE TCP STANDARDS.

5. CONSTRUCT ROADWAY WIDENING WORK ALONG RONALD REAGAN BLVD. FROM STA. 10+00.00 TO STA. 30+00.00 AS SHOWN ON RONALD REAGAN BLVD. PHASE 1 LAYOUT. CONSTRUCT THE FULL PAVEMENT WIDENING INCLUDING THE FINAL SURFACE COURSE OVER EXISTING RONALD REAGAN BLVD. CONSTRUCT DRIVEWAYS AND DRIVEWAY CULVERTS AS SHOWN ON PLANS. GRADE SIDESLOPES TO THE LINES AND GRADES SHOWN ON PROJECT CROSS-SECTIONS. MAINTAIN TRAFFIC ON EXISTING RONALD REAGAN BLVD. USING EXISTING PAVEMENT MARKINGS. CLOSE SHOULDERS AND PROVIDE CHANNELIZATION DEVICES ALONG THE EXISTING SHOULDER EDGE LINE LINE AS SHOWN ON TCP PHASE 1 LAYOUT FOR RONALD REAGAN BLVD., TCP TYPICAL SECTIONS AND ON TCP(2-1)-18.

   PLACE PERMANENT PAVEMENT MARKINGS ON FINAL SURFACE. PLACE DRUMS TO CLOSE NEW LEFT AND RIGHT TURN LANES AS SHOWN ON TCP PHASE 2B LAYOUT.

PHASE 2A

1. CONTINUE PHASE 1 CONSTRUCTION OF CR 255 SOUTH OF STA. 142+00.00 AND ON RONALD REAGAN BLVD.

BEGIN CONSTRUCTION OF CR 255, NORTH OF CR 289. COMPLETE AS DESCRIBED IN THE STEPS BELOW.

PHASE 2A, STEP 1 (CR 255 SEGMENTS 1 AND 2)

1. COMPLETE PHASE 1 CONSTRUCTION OF CULVERT #1. BEGIN CONSTRUCTION OF CULVERTS #2 AND #3 TO THE LIMITS SHOWN ON THE PHASE 2A LAYOUTS AND NORTHBOUND SIDE END TREATMENTS.

2. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT SEGMENT 1 (FROM STA. 12+83.89 TO STA. 40+20.00). CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS, INTERSECTIONS AND CORRESPONDING PARALLEL DRIVEWAY CULVERTS AS SHOWN ON PLAN DETAILS. PROVIDE TEMPORARY DRIVEWAY TIES TO EXISTING PAVEMENT AS REQUIRED.

3. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT SEGMENT 2 (FROM STA. 40+20.00 TO STA. 48+00.00) AS SHOWN ON TCP "PLAN & PROFILE PHASE 2A-SEG 2" SHEETS. CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS, INTERSECTIONS AND CORRESPONDING PARALLEL DRIVEWAY

4. CONSTRUCT TEMPORARY TRANSITION "A" NEAR STA. 47+00.00 AS SHOWN ON TCP "PLAN & PROFILE PHASE 2A-SEG 2 SHEET".

5. UPON COMPLETION OF CR 255 SEGMENTS 1 & 2 AND SEGMENT 2, TRANSTION "A", PLACE WORK ZONE MARKINGS ON NEWLY CONSTRUCTED PAVEMENT AND SHIFT TRAFFIC AS SHOWN ON TCP PHASE 2B LAYOUTS FROM BEGINNING OF PROJECT THRU TRANSITION "A".

STEP 2 (CR 255 SEGMENT 3)

1. COMPLETE PHASE 2A STEP 1 CONSTRUCTION OF CULVERTS #2 AND #3.

2. CONSTRUCT TEMPORARY PAVEMENT DRIVEWAY, GATE AND FENCE MODIFICATIONS AS SHOWN ON TCP "PHASE 2A-CULV 2B DETAILS" SHEET. CLOSE DANIELS MOUNTAIN RD. AND DRIVEWAY #19 AND IMPLEMENT DETOUR AS SHOWN ON TCP "PROJECT DETOUR PLANS" SHEET. CONSTRUCT CULVERT #2B UNDER DANIEL MOUNTAIN RD. AND DRIVEWAY #19.

3. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT SEGMENT 3 (FROM STA. 82+00.00 TO STA. 96+00.00) AS SHOWN ON TCP "PLAN & PROFILE PHASE 2A-SEG 3" SHEET. CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS, INTERSECTIONS AND CORRESPONDING DRIVEWAY CULVERTS AS SHOWN ON PLAN DETAILS. PROVIDE TEMPORARY DRIVEWAY TIES TO EXISTING PAVEMENT AS REQUIRED.

4. CONSTRUCT EASTBOUND SEGMENT OF DANIELS MOUNTAIN RD. FROM STA. 11+88.89 (DANIELMT) TO STA. 12+76.85 (DANIELMT). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

5. CONSTRUCT TEMPORARY TRANSITIONS "B1" NEAR STA. 83+00.00 AND "B2" NEAR STA. 95+00.00 AS SHOWN ON TCP "PLAN & PROFILE PHASE 2A-SEG 3" SHEETS.

6. UPON COMPLETION OF CR 255 SEGMENT 3, DANIELS MOUNTAIN RD. AND TRANSTIONS "B1" AND "B2", PLACE WORK ZONE MARKINGS ON NEWLY CONSTRUCTED PAVEMENT AND SHIFT TRAFFIC AS SHOWN ON TCP PHASE 2B LAYOUTS FROM THE BEGINNING OF SEGMENT 3 TRANSITION "B1" TO THE END OF TRANSITION 'B2".

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255 SEQUENCE OF CONSTRUCTION

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			24

USER: korahoske
DATE: 11/6/2024 2:05
SCRIPT: pw://server.slg-eng.com:Slg-ea/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Miscellaneous\CR255_jskt.pen
FILE: pw://server.slg-eng.com:Slg-ea/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Plan_Set\02. TCP-CR255 SOC02.dgn

STEP 3

1. UPON COMPLETION OF CULVERTS #2 AND #3, CONSTRUCT CULVERTS #4 AND #5 TO THE LIMITS SHOWN ON THE PHASE 2A LAYOUTSAND NORTHBOUND SIDE END TREATMENT. MAINTAIN TRAFFIC ON EXISTING CR 255 AND TEMPORARY PAVEMENT DURING CONSTRUCTION.

PHASE 2B

1. COMPLETE CULVERTS #4 AND CONSTRUCTION FROM PHASE 2A, STEP 3.

2. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT FROM STA. 48+00.00 TO STA. 83+00.00 AS SHOWN ON PHASE 2B LAYOUT SHEETS. CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS, INTERSECTIONS AND CORRESPONDING PARALLEL DRIVEWAY CULVERTS AS SHOWN ON PLAN DETAILS. PROVIDE TEMPORARY DRIVEWAY TIES TO EXISTING PAVEMENT AS REQUIRED. MAINTAIN TRAFFIC ON EXISTING CR 255 DURING CONSTRUCTION.

3. CONSTRUCT EASTBOUND SEGMENT OF HILL TOP SPRINGS RD. FROM STA. 10+34.00 (HILLTOPSPRING) TO STA. 10+67.98 (HILLTOPSPRINGS). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

4. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT FROM STA. 96+00.00 TO STA. 140+00.00 AS SHOWN ON PHASE 2B LAYOUT SHEETS. CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. CONSTRUCT DRIVEWAYS,INTERSECTIONS AND CORRESPONDING PARALLEL DRIVEWAY CULVERTS AS SHOWN ON PLAN DETAILS. PROVIDE TEMPORARY DRIVEWAY TIES TO EXISTING PAVEMENT AS REQUIRED. MAINTAIN TRAFFIC ON EXISTING CR 255 DURING CONSTRUCTION.

5. CONSTRUCT EASTBOUND SEGMENT OF LOST SPRINGS LAKE RD. FROM STA. 10+88.18 (LOSTSPRING) TO STA. 12+00.00 (LOSTSPRING). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

PHASE 2C

SCHEDULE PHASE 2C NEAR THE END OF PHASE 2B SO THAT BOTH PHASES 2B AND 2C ARE COMPLETED SIMULTANEOUSLY.

1. CLOSE CR 289 AT BIG VALLEY SPUR INTERSECTION AND CR 289 NEAR STA. 141+61.47. PLACE WORK ZONE PAVEMENT MARKINGS FROM STA. 138+00.00 TO STA. 12+36.44 (CR 289) AS SHOWN ON TCP PHASE 2C LAYOUT SHEET. REMOVE CONFLICTING PAVEMENT MARKINGS FROM THE PREVIOUS PHASES. REFER TO TCP ALIGNMENT DATA SHEETS FOR GUIDANCE. IMPLEMENT CR 255/ BIG VALLEY SPUR AND CR 289 DETOURS AS SHOWN ON PHASE 2C DETOUR LAYOUT ON TCP "PROJECT DETOUR PLANS" SHEET.

2. CONSTRUCT FULL WIDTH PERMANENT PAVEMENT FROM STA. 140+00.00 TO STA. 142+25.00, INCLUDING CR 289 AND BIG VALLEY SPUR TO THE LIMITS SHOWN ON THE PHASE 2C LAYOUT SHEET. CONSTRUCT ROADWAY SECTION THRU THE TYPE B ACP COURSE. PROVIDE A TRAVERSABLE SURFACE TO ACCESS BIG VALLEY SPUR UPON COMPLETION OF THIS WORK.

3. BEGIN CONSTRUCTION OF CULVERT AND END TREATMENTS FOR CULVERT #6A.

4. UPON COMPLETION OF ITEMS 1 AND 2, PLACE PHASE 3 WORK ZONE PAVEMENT MARKINGS AND SHIFT TRAFFIC ALONG CR 255 TO NEW PAVEMENT, INCLUDING NEW SECTION SOUTH TO RONALD REAGAN BLVD., AS SHOWN ON PHASE 3 LAYOUTS. MAINTAIN THE CR 289 DETOURS FOR PHASE 3 WORK.

PHASE 3

1. COMPLETE TRAFFIC SHIFT AS SHOWN ON PHASE 3 LAYOUTS.

PHASE 3

2. COMPLETE CULVERT #6A CONSTRUCTION.

3. COMPLETE CONSTRUCTION OF CULVERTS #1, #2B, #3, #4 AND #5 TO THE LIMITS SHOWN ON THE PHASE 3 LAYOUT SHEETS.

4. OBLITERATE EXISTING CR 255 PAVEMENT FROM STA. 12+83.39 TO STA. 141+61.47. REMOVE TEMPORARY DETOUR PAVEMENT PLACED IN PHASE 1.

5. GRADE THE SOUTHBOUND SIDE SIDESLOPES TO THE GRADES AND LINES SHOWN ON THE ROADWAY CROSS-SECTIONS.

COMPLETE CONSTRUCTION OF CR 255. COMPLETE AS DESCRIBED IN THE STEPS BELOW.

STEP 1

1. CONSTRUCT WESTBOUND SEGMENT OF CR 255 FROM STA. 11+84.25 (255) TO STA. 13+63.51 (255). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. CLOSE CR 255 TO PERFORM THIS WORK. IMPLEMENT CR 255 DETOURS AS SHOWN ON CR 255 PHASE 3 DETOUR LAYOUT ON TCP "PROJECT DETOUR PLANS" SHEET. REFER TO TCP STANDARD TCP (2-1)-18 AND WZ(RCD)-13 FOR ADDITIONAL DETAILS.

STEP 2

UPON COMPLETION OF CULVERT #6A

1. COMPLETE RECONSTRUCTION OF CR 289 INTERSECTION APPROACH TO THE LIMITS SHOWN ON THE PLANS. MAINTAIN THE CR 289 DETOURS FROM PHASE 2C.

   a. BETWEEN STA. 13+85.00 (CR289) AND STA. 15+10.00 (CR289). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. RECONSTRUCT ROADWAY AND GRADE ROADSIDE TO THE GRADES AND LINES SHOWN ON THE CROSS-SECTIONS.

   b. BETWEEN STA. 15+10.00 (CR289) AND STA. 16+27.00 (CR289), RECONSTRUCT CR 289 IN HALF-SECTIONS. CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS. CONSTRUCT DRIVEWAYS AND CORRESPONDING ROADSIDE GRADING. MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES.

2. CONSTRUCT BIG VALLEY SPUR WEST OF CR 255 FROM STA. 11+02.72 (CR289) TO STA. 12+80.00 (CR289). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

STEP 3

1. CONSTRUCT POWDER HORN ROAD WEST OF CR 255 ℄ FROM STA. 10+27.00 (POWDER) TO STA. 11+60.00 (POWDER). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

2. CONSTRUCT TIMBER RANCH DRVWY WEST OF CR 255 ℄ FROM STA. 11+26.82 (LOSTSPRING) TO STA. 11+66.64 (LOSTSPRING). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

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CR 255 SEQUENCE OF CONSTRUCTION

SHEET 3 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			25

USER: korahoske
DATE: 11/6/2024 2:05
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Misc Items/CR255.jpkt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255 SOC03.dgn

PHASE 3, STEP 3 (CON'T)

3. CONSTRUCT BIG OAKS DR. WEST OF CR 255 ℄ FROM STA. 10+00.00 (BIGOAKS) TO STA. 10+84.77 (BIGOAKS). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

4. CONSTRUCT BON WINDE RD. WEST OF CR 255 ℄ FROM STA. 10+39.86 (BONWINDE) TO STA. 11+12.61 (BONWINDE). CONSTRUCT ROADWAY SECTION TO THE TYPE B ACP COURSE. WORK TO BE PERFORMED USING DAILY ONE-LANE, TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

5. COMPLETE CONSTRUCTION OF ALL REMAINING SIDESTREETS, DRIVEWAYS THRU THE TYPE B ACP COURSE AND PARALLEL DRAINAGE STRUCTURES WHILE MAINTAINING ACCESS AT ALL TIMES. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL TRAFFIC CONTROL DETAILS.

6. CONSTRUCT LOST SPRINGS LAKE RD. WEST OF CR 255 ℄ FROM STA 10+88.18 (LOST SRPINGS) TO 12+00.00 (LOST SPRINGS). CONSTRUCT ROADWAY SECTION TO TWO-WAY OPERATION. OPEN ROADWAY TO TRAFFIC AT NIGHT. REFER TO TCP STANDARD TCP (2-2)-18 FOR ADDITIONAL DETAILS.

PHASE 4

1. CONSTRUCT FINAL TYPE D ACP COURSE ON CR 255, RONALD REAGAN BLVD., INTERSECTIONS AND SIDESTREETS. REFER TO TCP STANDARD, TCP(7-1)-13, FOR TRAFFIC CONTROL DETAILS FOR SURFACING OPERATIONS.

2. PLACE FINAL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING LAYOUT SHEETS. REFER TO TCP STANDARDS, TCP(3-1)-13 AND TCP(3-3)-13 FOR TRAFFIC CONTROL REQUIREMENTS.

3. COMPLETE FINAL GRADING OPERATIONS.

4. PLACE FINAL ROADSIDE SIGNING AND DELINEATION.

5. REMOVE SWP3 DEVICES AND PLACE PERMANENT SOIL STABILIZATION IN ALL REMAINING AREAS AND PERFORM PROJECT SITE CLEAN-UP.

6. REMOVE PROJECT BARRICADES UPON COMPLETION OF ALL WORK.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER



11/6/2024

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CR 255
SEQUENCE OF
CONSTRUCTION

SHEET 4 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.	
CHECKED:		TEXAS		CR 255	
DRAWN:	COUNTY			JOB No.	SHEET No.
CHECKED:	WILLIAMSON				26

USER: korahoske
DATE: 11/6/2024 2:05
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jplot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255 SOC04.dgn

Chain DETOURA contains:
 CUR DETOURA1 CUR DETOURA2 CUR DETOURA3 CUR DETOURA4 CUR DETOURA5

Beginning chain DETOURA description
==========

Curve Data

Curve DETOURA1
P.I. Station 9+28.36 N 10,245,829.5829 E 3,075,274.6983
Delta = 0° 41′ 50.77" (LT)
Degree = 1° 13′ 46.28"
Tangent = 28.3624
Length = 56.7240
Radius = 4,659.9999
External = 0.0863
Long Chord = 56.7237
Mid. Ord. = 0.0863
P.C. Station 9+00.00 N 10,245,856.8701 E 3,075,266.9631
P.T. Station 9+56.72 N 10,245,802.3919 E 3,075,282.7651
C.C. N 10,247,127.7861 E 3,079,750.3068
Back = S 15° 49′ 36.15" E
Ahead = S 16° 31′ 26.92" E
Chord Bear = S 16° 10′ 31.54" E

Curve Data

Curve DETOURA2
P.I. Station 9+78.42 N 10,245,781.5956 E 3,075,288.9348
Delta = 9° 55′ 05.20" (RT)
Degree = 22° 55′ 05.92"
Tangent = 21.6922
Length = 43.2759
Radius = 250.0000
External = 0.9393
Long Chord = 43.2219
Mid. Ord. = 0.9358
P.C. Station 9+56.72 N 10,245,802.3919 E 3,075,282.7651
P.T. Station 10+00.00 N 10,245,760.0475 E 3,075,291.4303
C.C. N 10,245,731.2870 E 3,075,043.0901
Back = S 16° 31′ 26.92" E
Ahead = S 6° 36′ 21.72" E
Chord Bear = S 11° 33′ 54.32" E

Course from PT DETOURA2 to PC DETOURA3 S 6° 36′ 21.72" E Dist 123.0209

Curve Data

Curve DETOURA3
P.I. Station 11+46.74 N 10,245,614.2797 E 3,075,308.3117
Delta = 10° 50′ 25.77" (LT)
Degree = 22° 55′ 05.92"
Tangent = 23.7211
Length = 47.3006
Radius = 250.0000
External = 1.1229
Long Chord = 47.2300
Mid. Ord. = 1.1178
P.C. Station 11+23.02 N 10,245,637.8433 E 3,075,305.5828
P.T. Station 11+70.32 N 10,245,591.6499 E 3,075,315.4237
C.C. N 10,245,666.6037 E 3,075,553.9230
Back = S 6° 36′ 21.72" E
Ahead = S 17° 26′ 47.49" E
Chord Bear = S 12° 01′ 34.60" E

Course from PT DETOURA3 to PC DETOURA4 S 19° 17′ 34.07" E Dist 167.6244

Curve Data

Curve DETOURA4
P.I. Station 13+67.36 N 10,245,405.6787 E 3,075,380.5236
Delta = 13° 25′ 10.91" (RT)
Degree = 22° 55′ 05.92"
Tangent = 29.4118
Length = 58.5545
Radius = 250.0000
External = 1.7242
Long Chord = 58.4207
Mid. Ord. = 1.7124
P.C. Station 13+37.95 N 10,245,433.4388 E 3,075,370.8061
P.T. Station 13+96.50 N 10,245,376.4213 E 3,075,383.5332
C.C. N 10,245,350.8399 E 3,075,134.8454
Back = S 19° 17′ 34.07" E
Ahead = S 5° 52′ 23.16" E
Chord Bear = S 12° 34′ 58.61" E

Course from PT DETOURA4 to PC DETOURA5 S 5° 52′ 23.16" E Dist 22.4784

Curve Data

Curve DETOURA5
P.I. Station 14+53.66 N 10,245,319.5594 E 3,075,389.3823
Delta = 15° 47′ 48.83" (LT)
Degree = 22° 55′ 05.92"
Tangent = 34.6835
Length = 68.9270
Radius = 250.0000
External = 2.3944
Long Chord = 68.7089
Mid. Ord. = 2.3717
P.C. Station 14+18.98 N 10,245,354.0608 E 3,075,385.8333
P.T. Station 14+87.91 N 10,245,287.3272 E 3,075,402.1895
C.C. N 10,245,379.6422 E 3,075,634.5210
Back = S 5° 52′ 23.16" E
Ahead = S 21° 40′ 11.98" E
Chord Bear = S 13° 46′ 17.57" E

==========
Ending chain DETOURA description

<* 6 DESCRIBE CHAIN DETOURB1

Chain DETOURB1 contains:
 DB01 CUR DETOURB1 CUR DETOURB2

Beginning chain DETOURB1 description
==========

Point DB01 N 10,242,555.2987 E 3,076,373.2780 Sta 10+00.00

Course from DB01 to PC DETOURB1 S 20° 57′ 22.53" E Dist 63.1530

Curve Data

Curve DETOURB1
P.I. Station 10+83.64 N 10,242,477.1947 E 3,076,403.1909
Delta = 9° 22′ 04.43" (LT)
Degree = 22° 55′ 05.92"
Tangent = 20.4832
Length = 40.8752
Radius = 250.0000
External = 0.8377
Long Chord = 40.8296
Mid. Ord. = 0.8349
P.C. Station 10+63.15 N 10,242,496.3230 E 3,076,395.8650
P.T. Station 11+04.03 N 10,242,459.5139 E 3,076,413.5327
C.C. N 10,242,585.7368 E 3,076,629.3284
Back = S 20° 57′ 22.53" E
Ahead = S 30° 19′ 26.95" E
Chord Bear = S 25° 38′ 24.74" E

Course from PT DETOURB1 to PC DETOURB2 S 30° 19′ 26.95" E Dist 397.3189

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
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CR 255
TRAFFIC CONTROL PLAN
HORIZONTAL ALIGNMENT DATA

SHEET 1 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			27

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-dx/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Misc\Alignments\CR255_Hal1.dgn
FILE: pw://server.sllgeng.com:Sllg-dx/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Plan_Set\02_TCP\CR255_TCP_HAL01.dgn

```
<*       6   DESCRIBE CHAIN DETOURB1 (Con't))

                                  Curve Data
                                 *----------*
Curve DETOURB2
P.I.  Station            15+23.74  N     10,242,097.2268  E      3,076,625.4411
Delta       =      10° 14' 10.83" (RT)
Degree      =      22° 55' 05.92"
Tangent     =             22.3918
Length      =             44.6645
Radius      =            250.0000
External    =              1.0008
Long Chord  =             44.6051
Mid. Ord.   =              0.9968
P.C.  Station            15+01.35  N     10,242,116.5551  E      3,076,614.1357
P.T.  Station            15+46.01  N     10,242,076.1972  E      3,076,633.1318
C.C.                               N     10,241,990.3322  E      3,076,398.3400
Back        = S  30° 19' 26.95" E
Ahead       = S  20° 05' 16.12" E
Chord Bear  = S  25° 12' 21.54" E

==============================================================================
Ending chain DETOURB1 description


<*       1   DESCRIBE CHAIN DETOURB2

Chain DETOURB2 contains:
 DC01 CUR DETOURC1 CUR DETOURC2 DC02

Beginning chain DETOURB2 description
==============================================================================

Point DC01            N  10,241,354.6958 E   3,076,896.9898 Sta      10+00.00

Course from DC01 to PC DETOURC1 S 20° 05' 16.12" E Dist 90.3670

                                  Curve Data
                                 *----------*
Curve DETOURC1
P.I.  Station            11+17.15  N     10,241,244.6725  E      3,076,937.2261
Delta       =      11° 40' 24.77" (RT)
Degree      =      21° 52' 07.03"
Tangent     =             26.7829
Length      =             53.3804
Radius      =            262.0000
External    =              1.3654
Long Chord  =             53.2881
Mid. Ord.   =              1.3583
P.C.  Station            10+90.37  N     10,241,269.8261  E      3,076,928.0273
P.T.  Station            11+43.75  N     10,241,218.1779  E      3,076,941.1452
C.C.                               N     10,241,179.8396  E      3,076,681.9654
Back        = S  20° 05' 16.12" E
Ahead       = S   8° 24' 51.35" E
Chord Bear  = S  14° 15' 03.74" E

Course from PT DETOURC1 to PC DETOURC2 S 10° 04' 30.16" E Dist 300.6063
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                                  Curve Data
                                 *----------*
Curve DETOURC2
P.I.  Station            14+66.25  N     10,240,900.6446  E      3,076,997.5638
Delta       =      10° 00' 45.96" (LT)
Degree      =      22° 55' 05.92"
Tangent     =             21.9002
Length      =             43.6889
Radius      =            250.0000
External    =              0.9574
Long Chord  =             43.6334
Mid. Ord.   =              0.9538
P.C.  Station            14+44.35  N     10,240,922.2071  E      3,076,993.7327
P.T.  Station            14+88.04  N     10,240,880.0766  E      3,077,005.0857
C.C.                               N     10,240,965.9416  E      3,077,239.8775
Back        = S  10° 04' 30.16" E
Ahead       = S  20° 05' 16.12" E
Chord Bear  = S  15° 04' 53.14" E

Course from PT DETOURC2 to DC02 S 20° 05' 16.12" E Dist 104.1962

Point DC02            N  10,240,782.2189 E   3,077,040.8729 Sta      15+92.24

==============================================================================
Ending chain DETOURB2 description
```

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

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CR 255
TRAFFIC CONTROL PLAN
HORIZONTAL ALIGNMENT
DATA

SHEET 2 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			28

USER: korahoske
DATE: 11/6/2024 2:05
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jplot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_HAL02.dgn

<* 18 Describe Chain PH2ASTRIPE

Chain PH2ASTRIPE contains:
CUR PH2ASTRIPE1 CUR PH2ASTRIPE2 STR11

Beginning chain PH2ASTRIPE description

Curve Data

Curve PH2ASTRIPE1

P.I. Station		10+32.06	N	10,237,135.4508	E	3,078,465.1460
Delta	=	1° 51′ 17.49" (LT)				
Degree	=	2° 53′ 34.67"				
Tangent	=	32.0609				
Length	=	64.1162				
Radius	=	1,980.5221				
External	=	0.2595				
Long Chord	=	64.1134				
Mid. Ord.	=	0.2595				
P.C. Station		10+00.00	N	10,237,165.2522	E	3,078,453.3232
P.T. Station		10+64.12	N	10,237,106.0477	E	3,078,477.9271
C.C.			N	10,237,895.5867	E	3,080,294.2685
Back	= S 21° 38′ 20.67" E					
Ahead	= S 23° 29′ 38.16" E					
Chord Bear	= S 22° 33′ 59.42" E					

Course from PT PH2ASTRIPE1 to PC PH2ASTRIPE2 S 23° 29′ 38.16" E Dist 61.8469

Curve Data

Curve PH2ASTRIPE2

P.I. Station		11+74.90	N	10,237,004.4473	E	3,078,522.0914
Delta	=	3° 44′ 13.92" (RT)				
Degree	=	3° 49′ 10.99"				
Tangent	=	48.9372				
Length	=	97.8397				
Radius	=	1,500.0000				
External	=	0.7981				
Long Chord	=	97.8223				
Mid. Ord.	=	0.7976				
P.C. Station		11+25.96	N	10,237,049.3278	E	3,078,502.5825
P.T. Station		12+23.80	N	10,236,958.3908	E	3,078,538.6335
C.C.			N	10,236,451.3498	E	3,077,126.9291
Back	= S 23° 29′ 38.16" E					
Ahead	= S 19° 45′ 24.24" E					
Chord Bear	= S 21° 37′ 31.20" E					

Course from PT PH2ASTRIPE2 to STR11 S 19° 45′ 24.24" E Dist 180.2724

Point STR11 N 10,236,788.7299 E 3,078,599.5705 Sta 14+04.08

Ending chain PH2ASTRIPE description

<* 19 Describe Chain PH2CSTRIPE

Chain PH2CSTRIPE contains:
STR20 STR21 CUR PH2CSTRIPE1

Beginning chain PH2CSTRIPE description

Point STR20 N 10,237,137.6263 E 3,078,464.0532 Sta 10+00.00

Course from STR20 to STR21 S 20° 55′ 51.15" E Dist 54.3054

Point STR21 N 10,237,086.9044 E 3,078,483.4533 Sta 10+54.31

Course from STR21 to PC PH2CSTRIPE1 S 18° 43′ 28.09" E Dist 237.7623

Curve Data

Curve PH2CSTRIPE1

P.I. Station		13+39.56	N	10,236,816.7504	E	3,078,575.0240
Delta	=	87° 02′ 57.34" (RT)				
Degree	=	114° 35′ 29.61"				
Tangent	=	47.4891				
Length	=	75.9648				
Radius	=	50.0000				
External	=	18.9581				
Long Chord	=	68.8666				
Mid. Ord.	=	13.7461				
P.C. Station		12+92.07	N	10,236,861.7261	E	3,078,559.7791
P.T. Station		13+68.03	N	10,236,799.2106	E	3,078,530.8927
C.C.			N	10,236,845.6752	E	3,078,512.4255
Back	= S 18° 43′ 28.09" E					
Ahead	= S 68° 19′ 29.25" W					
Chord Bear	= S 24° 48′ 00.58" W					

Ending chain PH2CSTRIPE description

<* 2 Describe Chain TEMPDRVWY

Chain TEMPDRVWY contains:
DRV20 CUR TEMPDRVWY1 DRV21

Beginning chain TEMPDRVWY description

Point DRV20 N 10,242,562.5530 E 3,076,892.8280 Sta 10+00.00

Course from DRV20 to PC TEMPDRVWY1 S 18° 54′ 41.16" E Dist 127.6744

Curve Data

Curve TEMPDRVWY1

P.I. Station		11+77.81	N	10,242,394.3417	E	3,076,950.4571
Delta	=	90° 09′ 15.78" (LT)				
Degree	=	114° 35′ 29.61"				
Tangent	=	50.1349				
Length	=	78.6745				
Radius	=	50.0000				
External	=	20.8061				
Long Chord	=	70.8059				
Mid. Ord.	=	14.6923				
P.C. Station		11+27.67	N	10,242,441.7703	E	3,076,934.2081
P.T. Station		12+06.35	N	10,242,410.7185	E	3,076,997.8419
C.C.			N	10,242,457.9757	E	3,076,981.5091
Back	= S 18° 54′ 41.16" E					
Ahead	= N 70° 56′ 03.06" E					
Chord Bear	= S 63° 59′ 19.05" E					

Course from PT TEMPDRVWY1 to DRV21 N 70° 56′ 03.06" E Dist 146.1354

Point DRV21 N 10,242,458.4542 E 3,077,135.9608 Sta 13+52.48

Ending chain TEMPDRVWY description

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107484
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PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

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Seiler Lankes Group
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CR 255
TRAFFIC CONTROL PLAN
HORIZONTAL ALIGNMENT DATA

SHEET 3 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			29

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DATE: 11/6/2024 2:05
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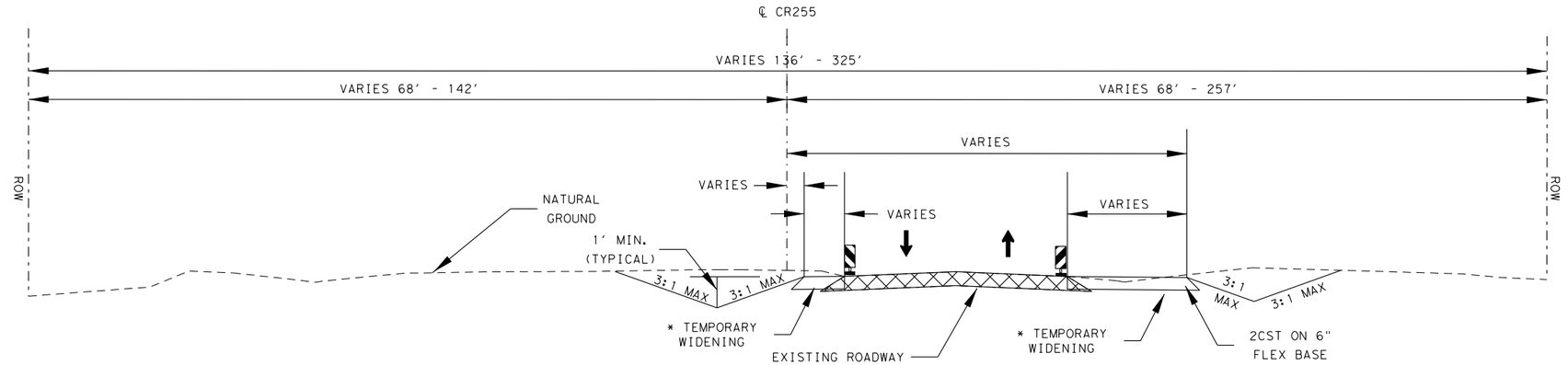
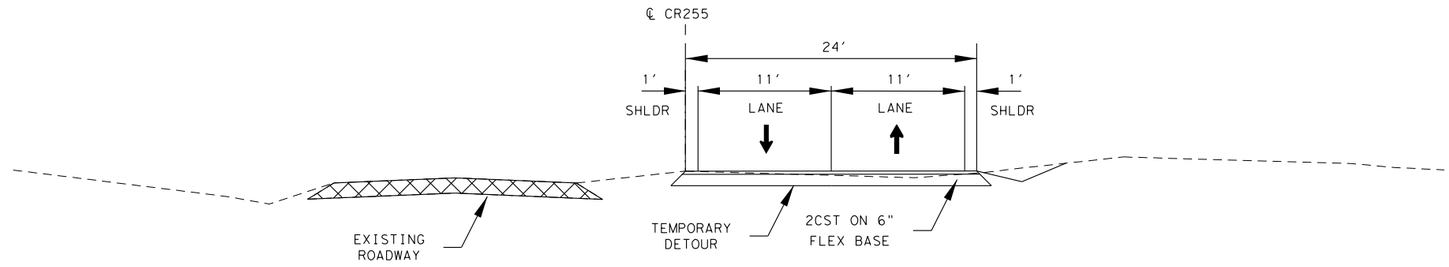
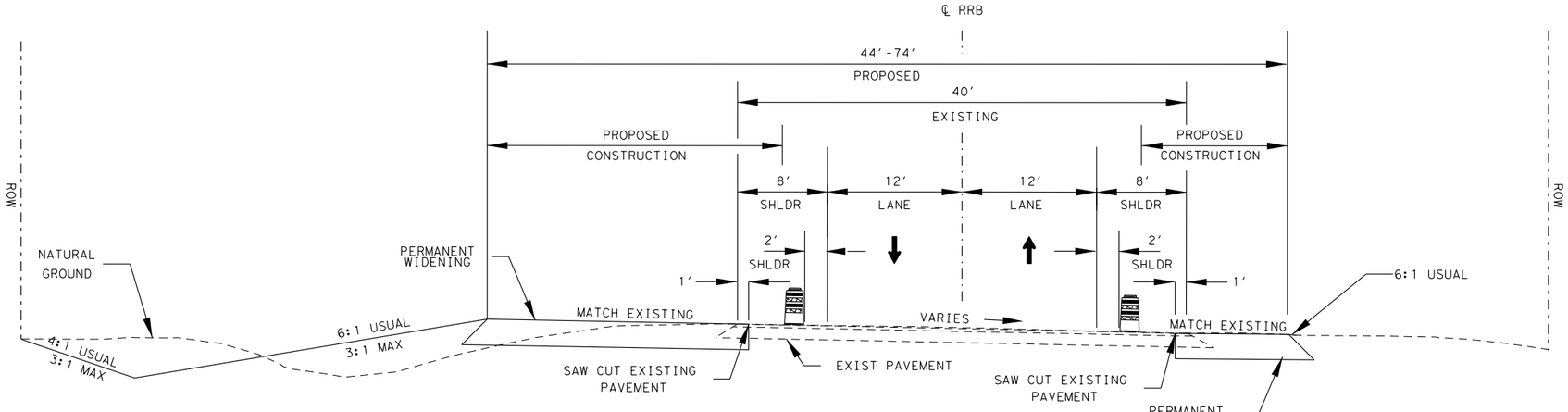


PHASE 1
TYPICAL SECTION FOR CR 255

* SEE PHASE 1 LAYOUT SHEETS FOR DIMENSIONS AND LIMITS OF TEMPORARY WIDENING



PHASE 1
DETOUR TYPICAL SECTION FOR CR 255
STA 25+20.00 TO STA 35+40.00



PHASE 1
TYPICAL SECTION FOR RONALD REAGAN BLVD
STA. 10+00.00 TO STA. 25+70.95

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107484
LICENSED
PROFESSIONAL ENGINEER
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CR 255

TRAFFIC CONTROL PLAN TYPICAL SECTIONS

SHEET 1 OF 5

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.	
CHECKED:		TEXAS		CR 255	
DRAWN:	COUNTY			JOB No.	SHEET No.
CHECKED:	WILLIAMSON				30

USER: kerahaske
DATE: 11/6/2024
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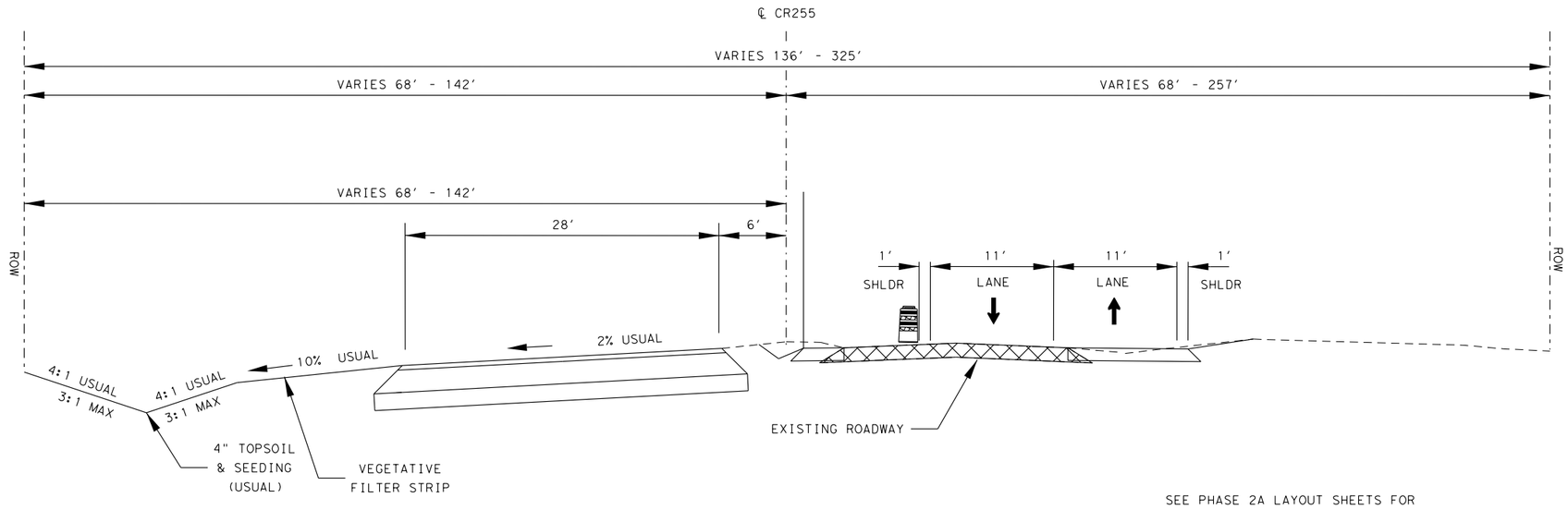

PHASE 2A
TYPICAL SECTION FOR CR 255
STA 12+81.44 TO STA 39+81.00

SEE PHASE 2A LAYOUT SHEETS FOR
LIMITS OF TRAFFIC SHIFTS
AND ROADWAY CONSTRUCTION

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107484
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TRAFFIC CONTROL PLAN
TYPICAL SECTIONS

SHEET 2 OF 5

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			31

USER: korahoske
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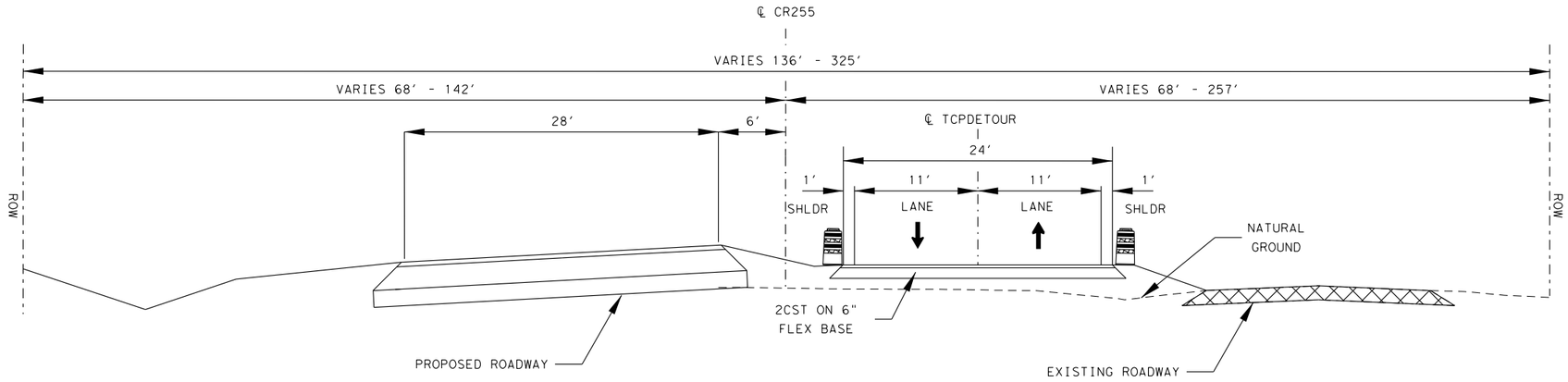
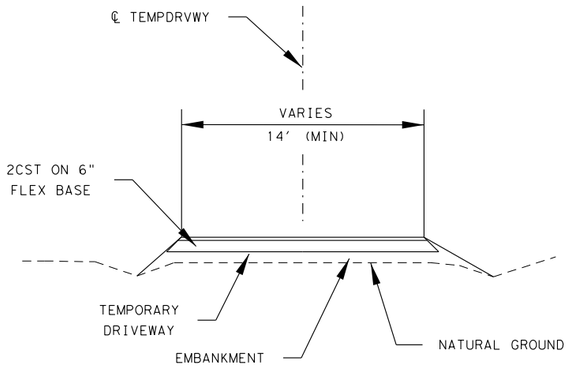


PHASE 2A
TYPICAL SECTION FOR CR 255
TRANSITION DETOURS
STA 47+20.26 TO STA 49+42.70
STA 82+00.46 TO STA 83+61.05
STA 94+91.36 TO STA 95+44.42

SEE PHASE 2A LAYOUT SHEETS AND TRANSITION DETAIL SHEETS FOR LOCATION OF TRANSITION DETOURS



PHASE 2A
TYPICAL SECTION FOR
CULVERT 2B TEMPORARY
DRIVEWAY PAVEMENT

SEE PHASE 2A - CULV 2B DETAIL SHEET FOR DRIVEWAY CONSTRUCTION LIMITS

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107484
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CR 255

TRAFFIC CONTROL PLAN TYPICAL SECTIONS

SHEET 3 OF 5

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			32

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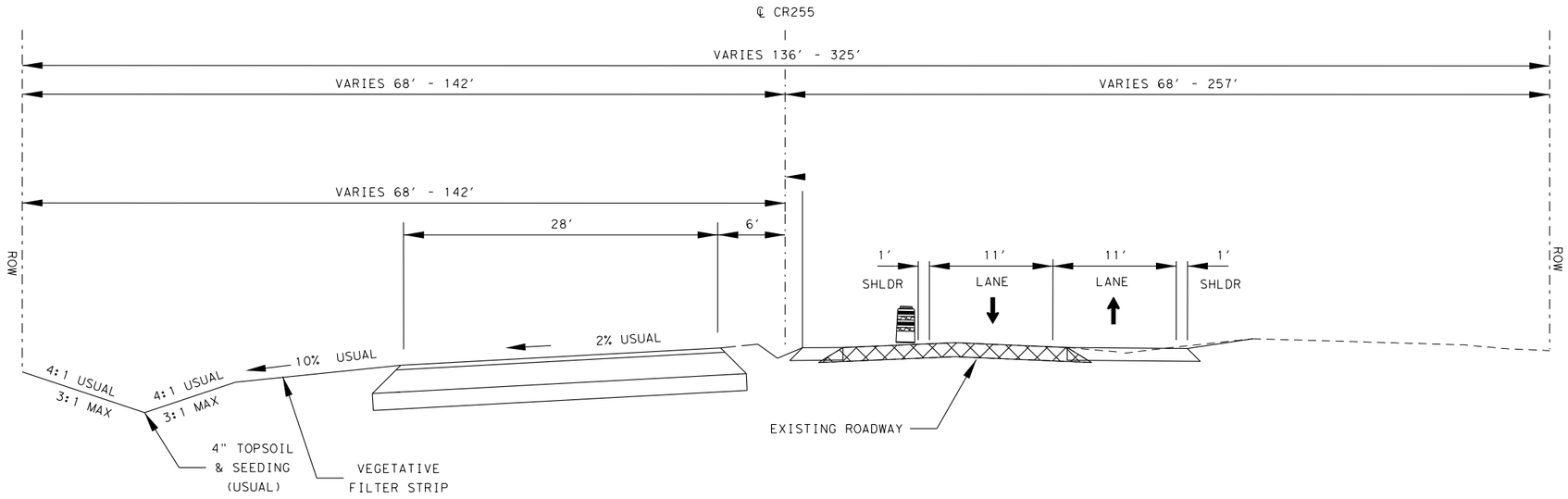
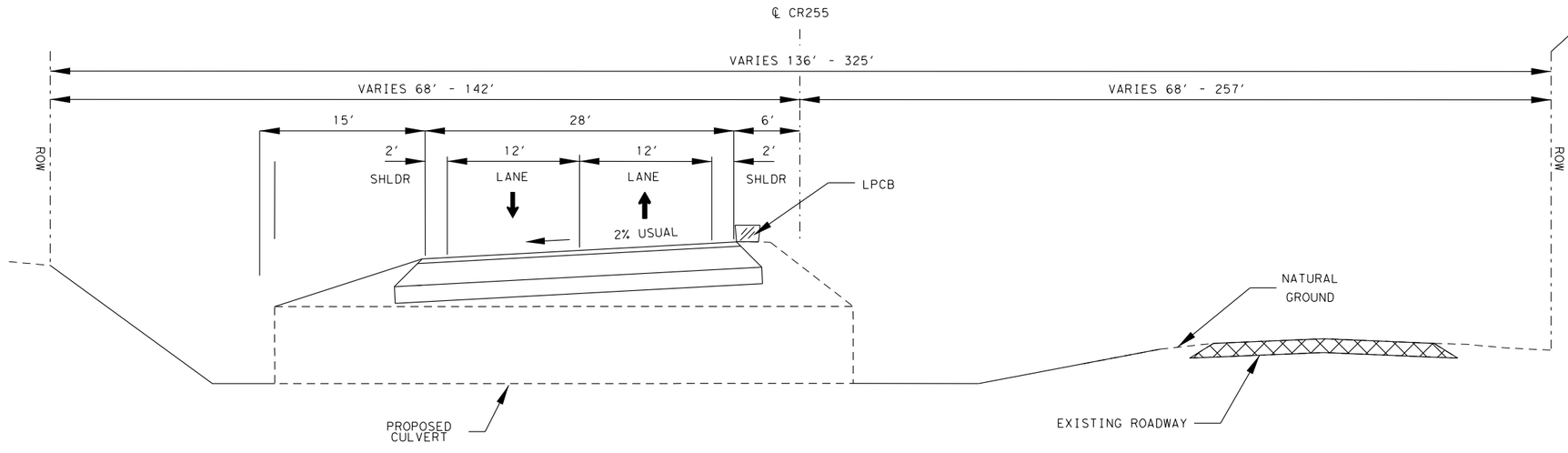


PHASES 2B AND 2C
TYPICAL SECTION FOR CR 255
ON EXISTING / WIDENED PAVEMENT
STA 49+42.70 TO STA 82+00.46
STA 95+44.42 TO STA 141+18.00

SEE PHASE 1B LAYOUT SHEETS FOR
LIMITS OF TRAFFIC ON
EXISTING WIDENED PAVEMENT



PHASES 2B AND 2C
TYPICAL SECTION FOR CR 255
ON NEW PAVEMENT
STA 83+61.05 TO 94+91.36

SEE PHASE 2B LAYOUT SHEETS FOR
LIMITS OF LOW PROFILE TRAFFIC BARRIER (LPCB)

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GERALD A. LANKES
107484
LICENSED
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CR 255

TRAFFIC CONTROL PLAN
TYPICAL SECTIONS

SHEET 4 OF 5

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			33

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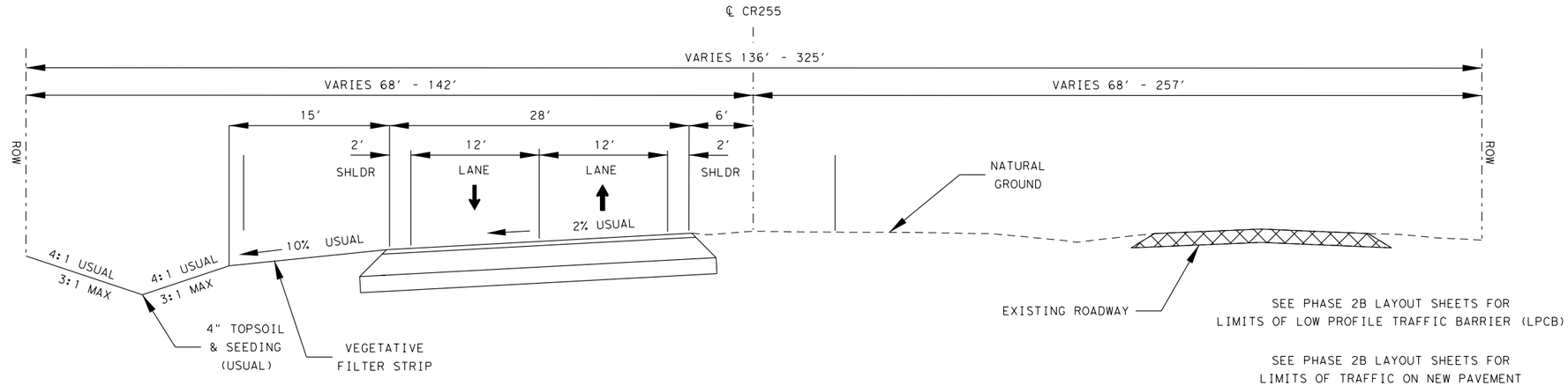
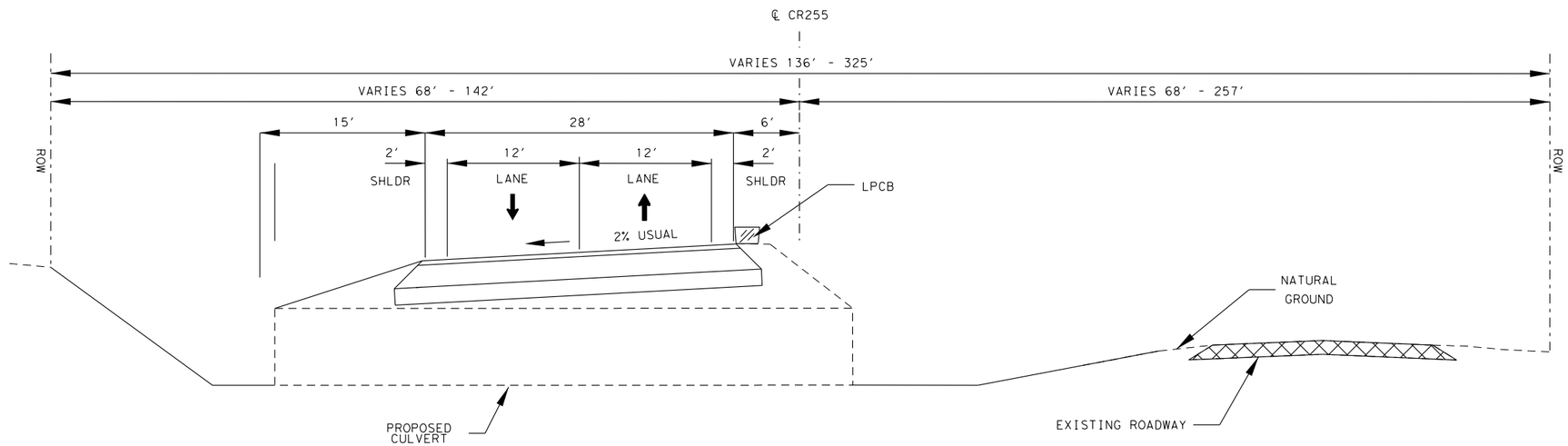


PHASE 3
TYPICAL SECTION FOR CR 255
STA 12+81.44 TO 141+18.00



PHASE 3
TYPICAL SECTION FOR CR 255
AT CULVERT LOCATIONS
STA 43+90.00 TO STA 45+50.00
STA 85+65.00 TO STA 87+25.00
STA 81+80.00 TO STA 83+40.00

USER: kerahaske
DATE: 11/6/2024 2:05
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107484
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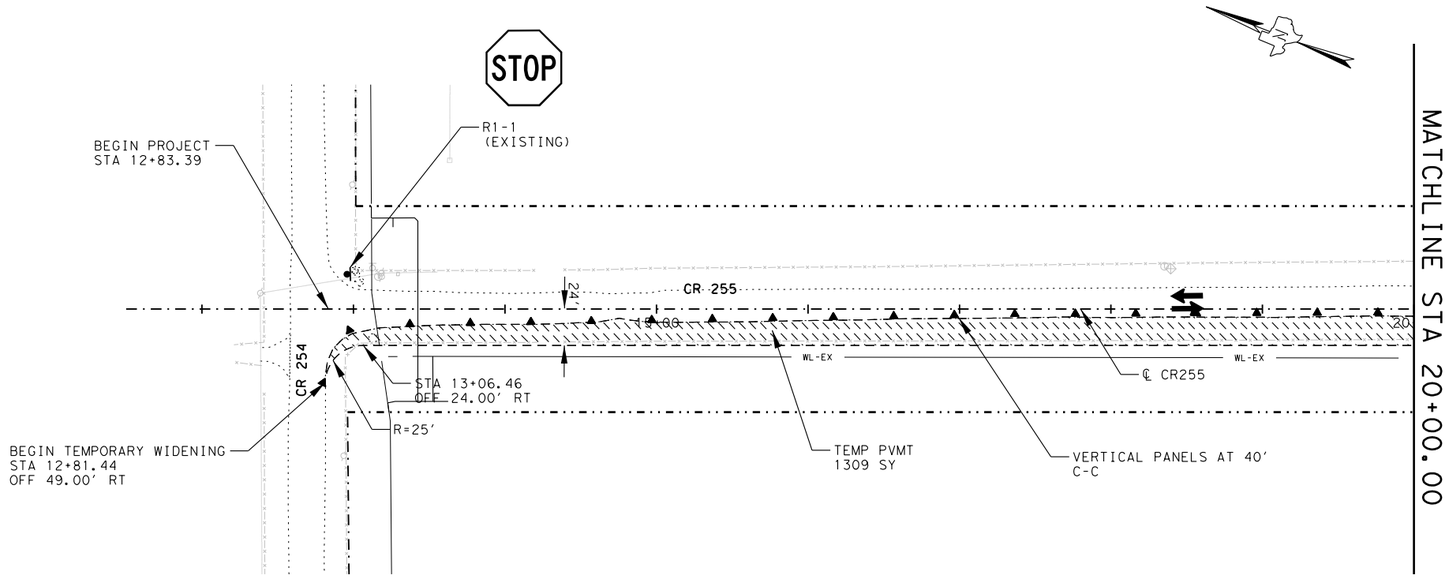
CR 255

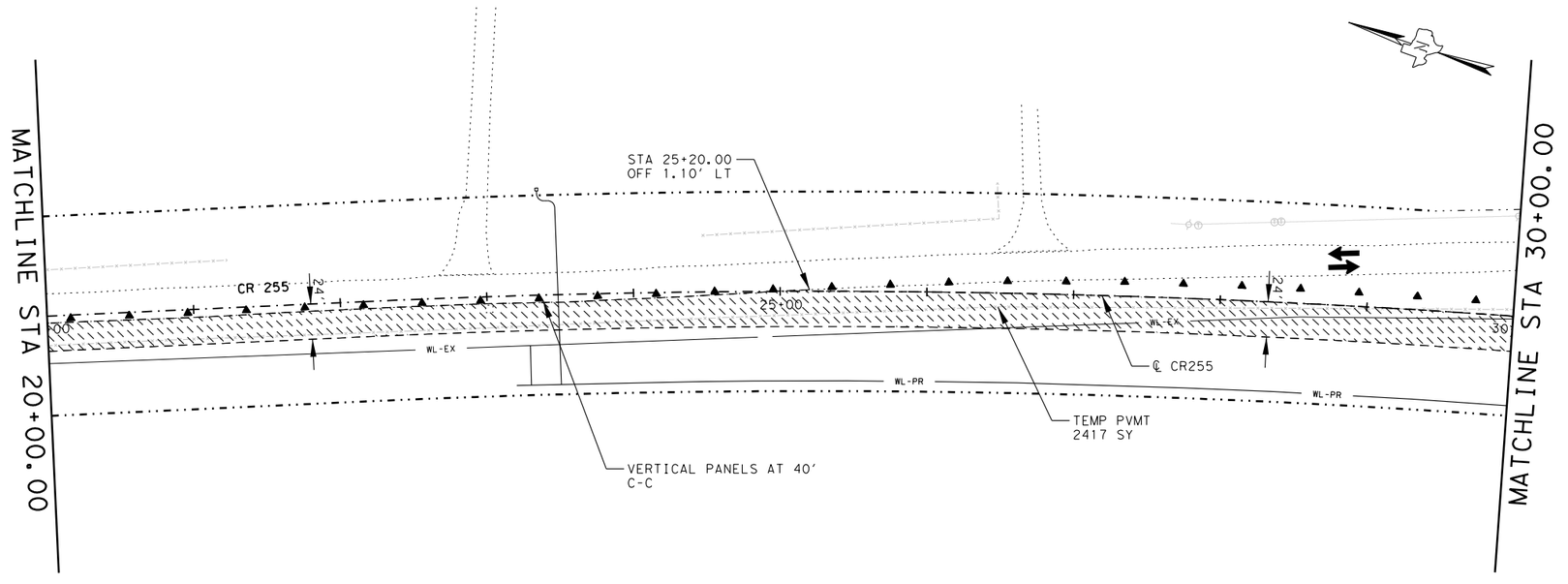
TRAFFIC CONTROL PLAN TYPICAL SECTIONS

SHEET 5 OF 5

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			34



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100
SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD) (REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD) (REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

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CR 255
TRAFFIC CONTROL PLAN
PHASE 1
BEGIN TO STA 30+00

SHEET 1 OF 8

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			35

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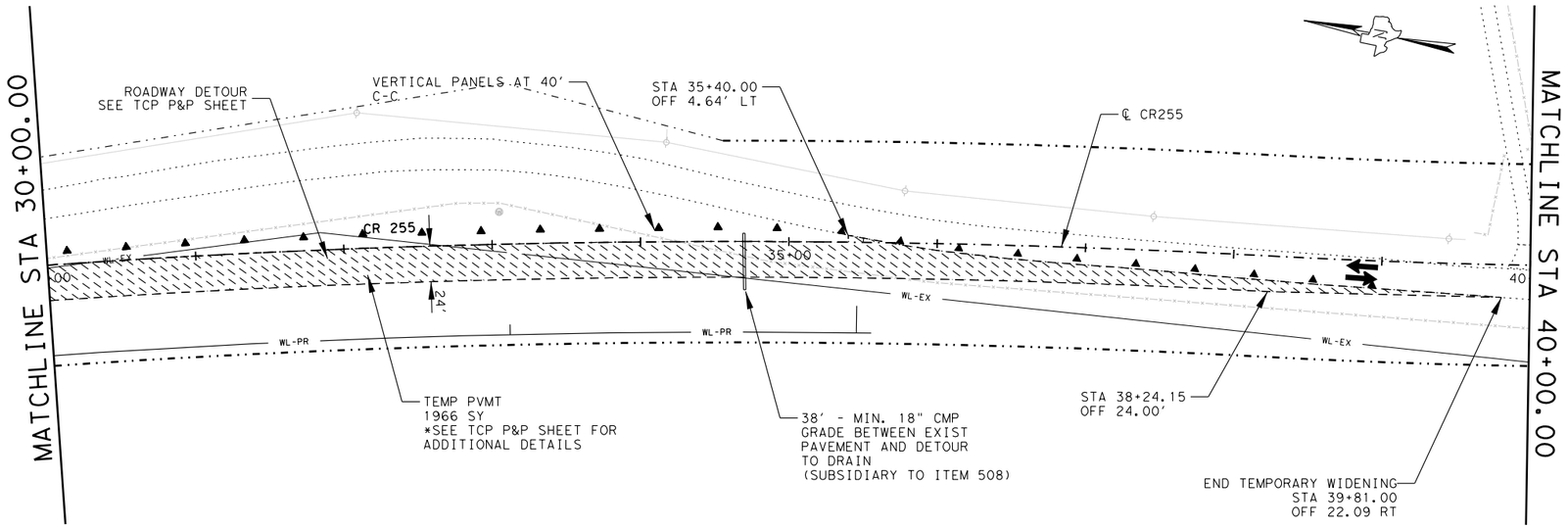
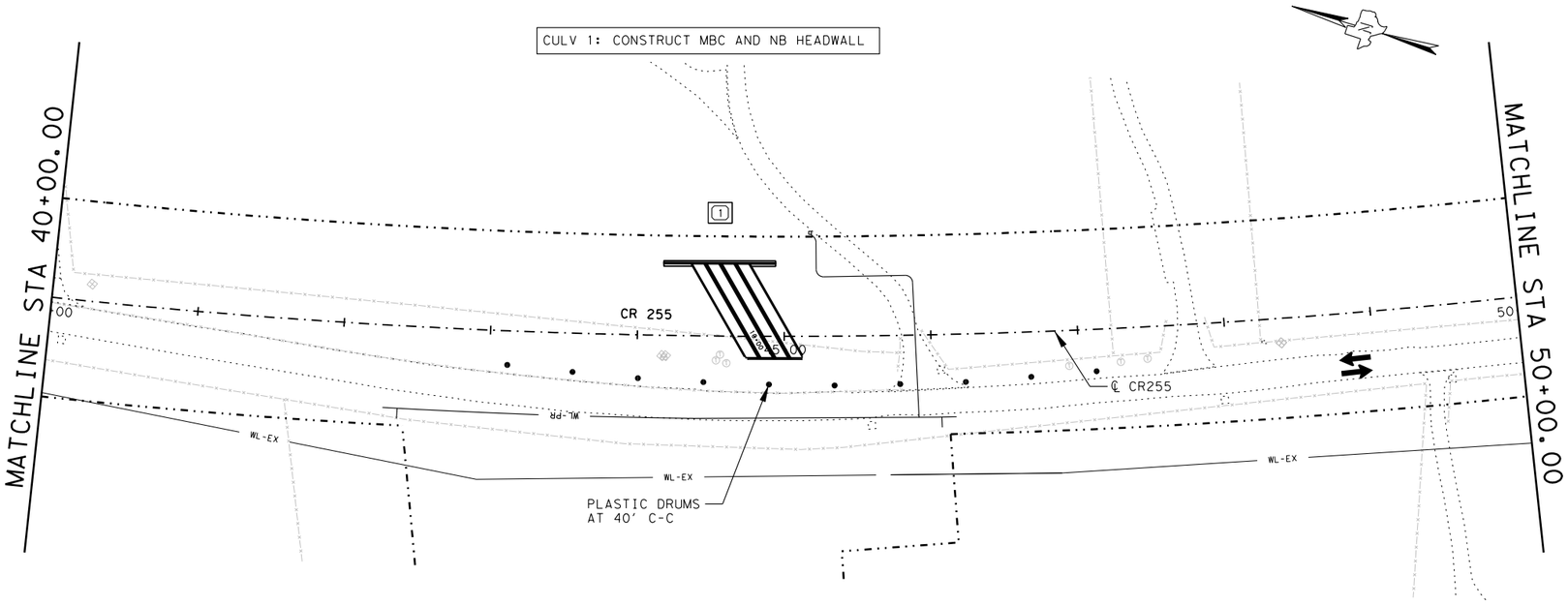


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- [#] CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

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107484
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11/6/2024

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CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 30+00 TO STA 50+00

SHEET 2 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			36

USER: koralhoske
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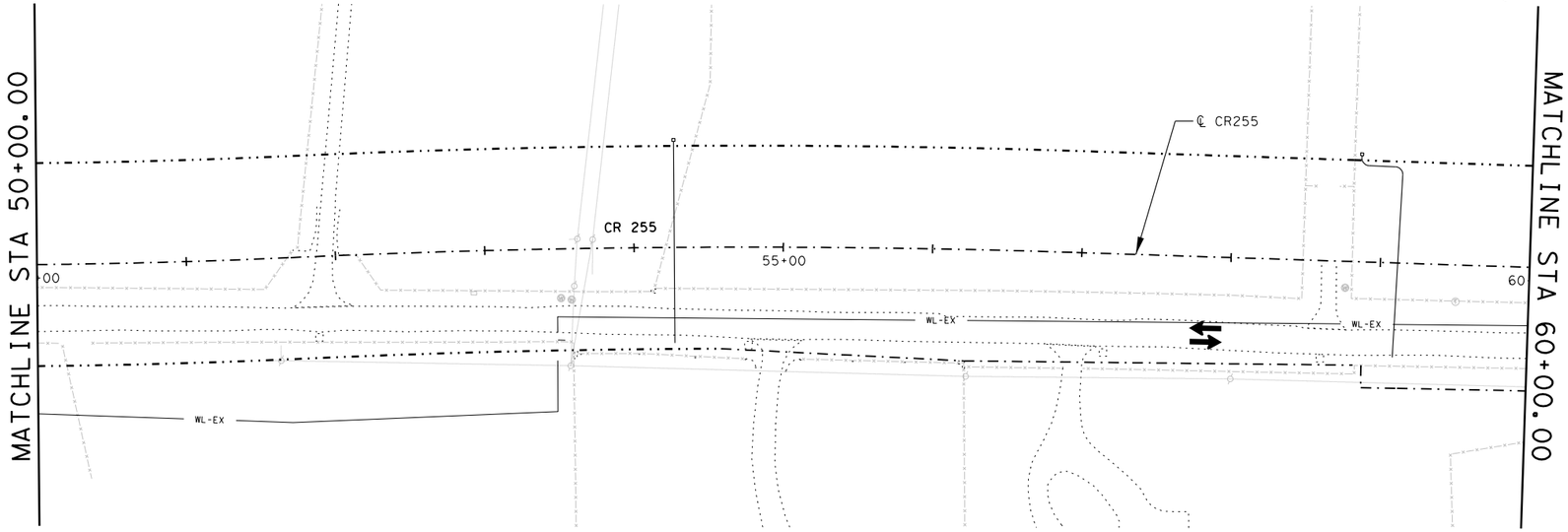
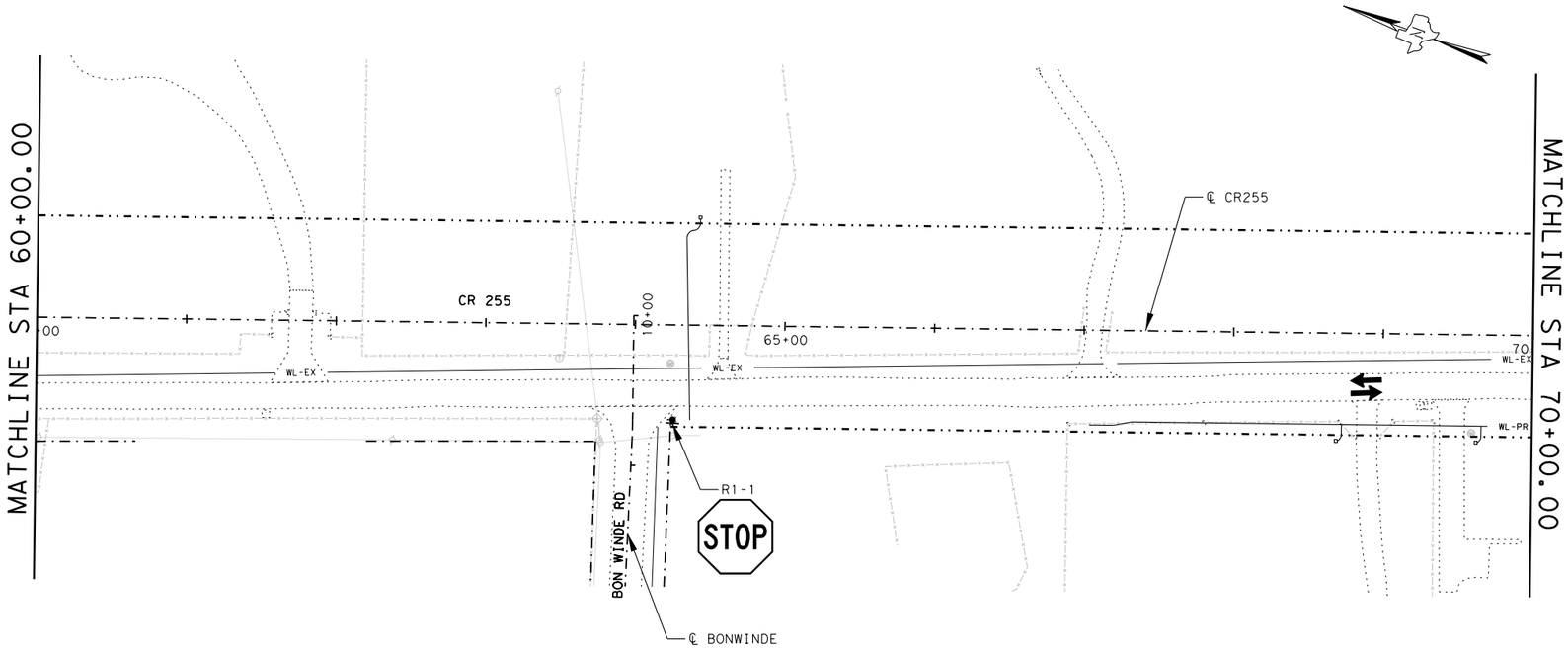


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

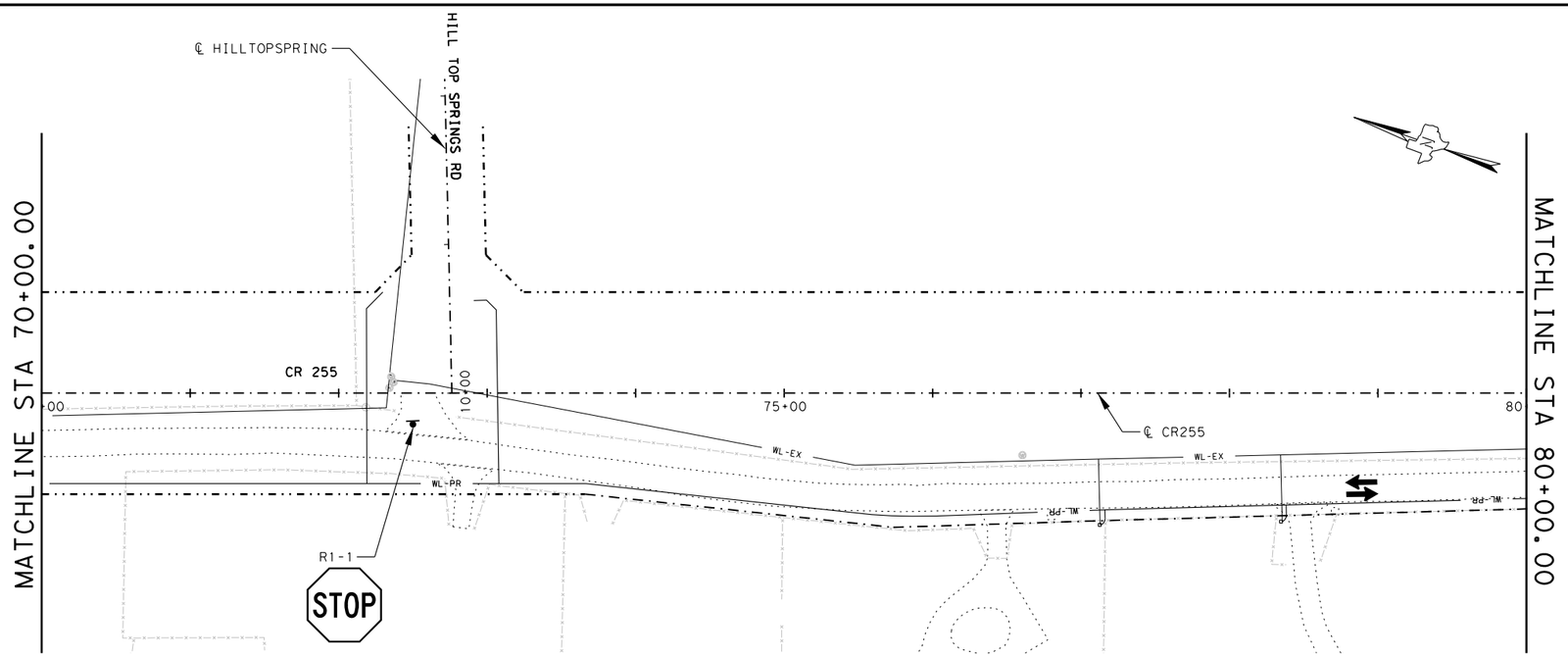
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 50+00 TO STA 70+00

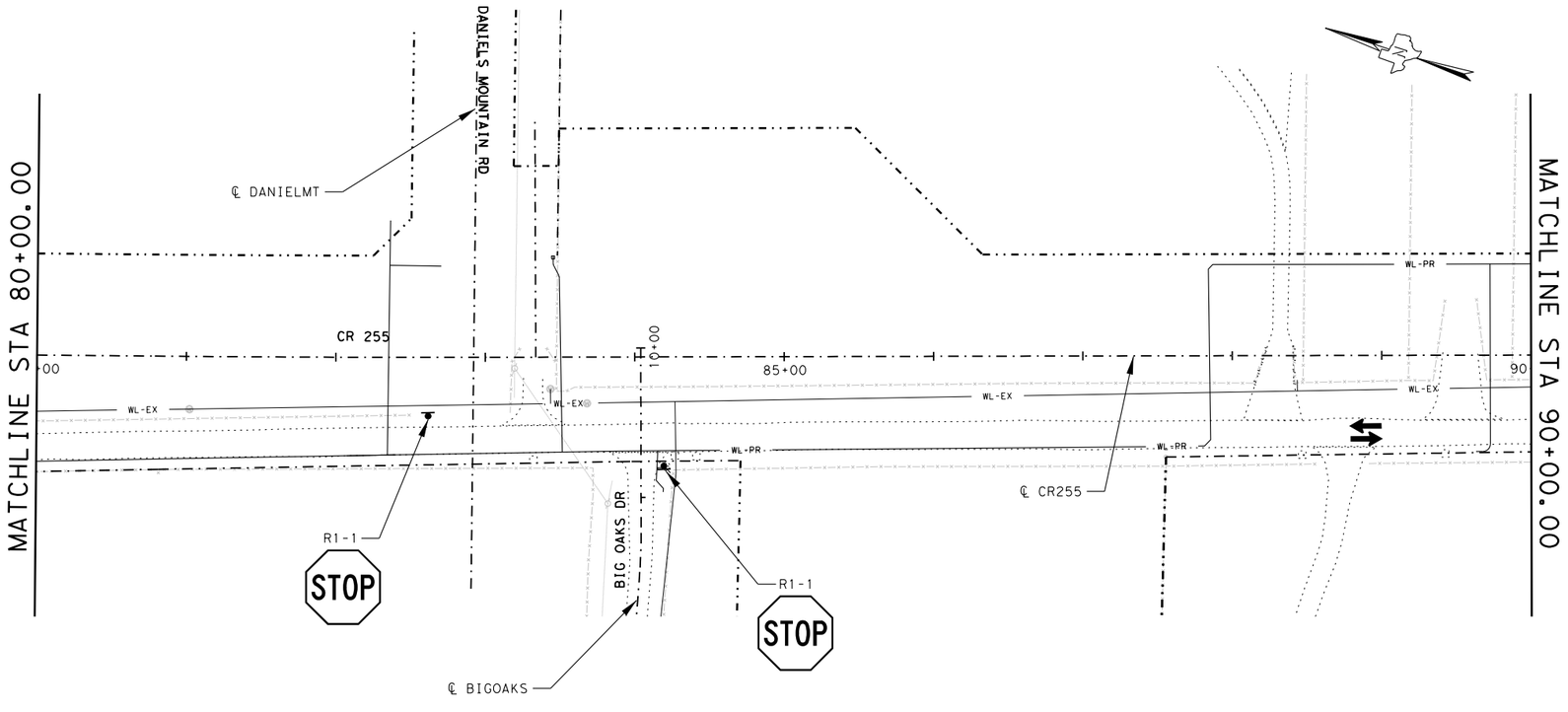
SHEET 3 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			37

USER: koralhoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-dis/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jobt.pen
FILE: pw://server.sllgeng.com:Sllg-dis/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01_TCP_03.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
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3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

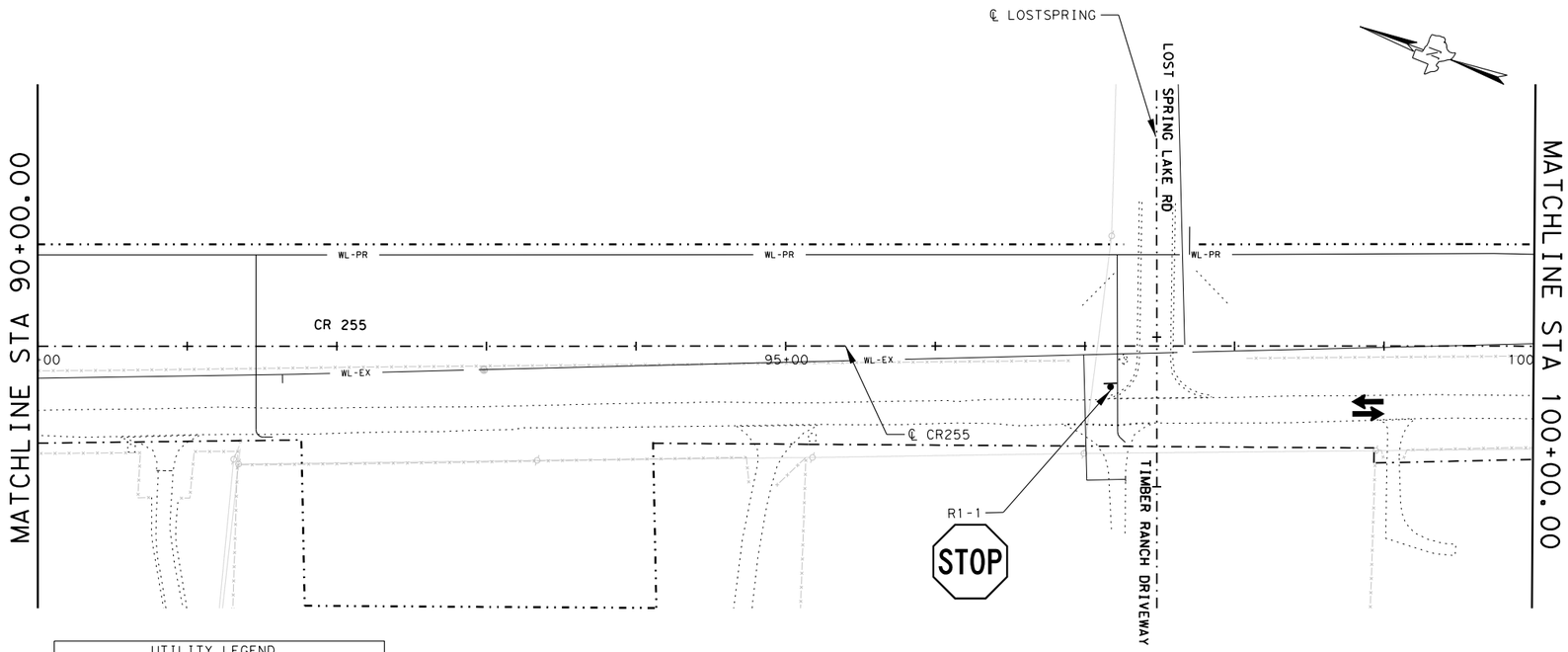
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 70+00 TO STA 90+00

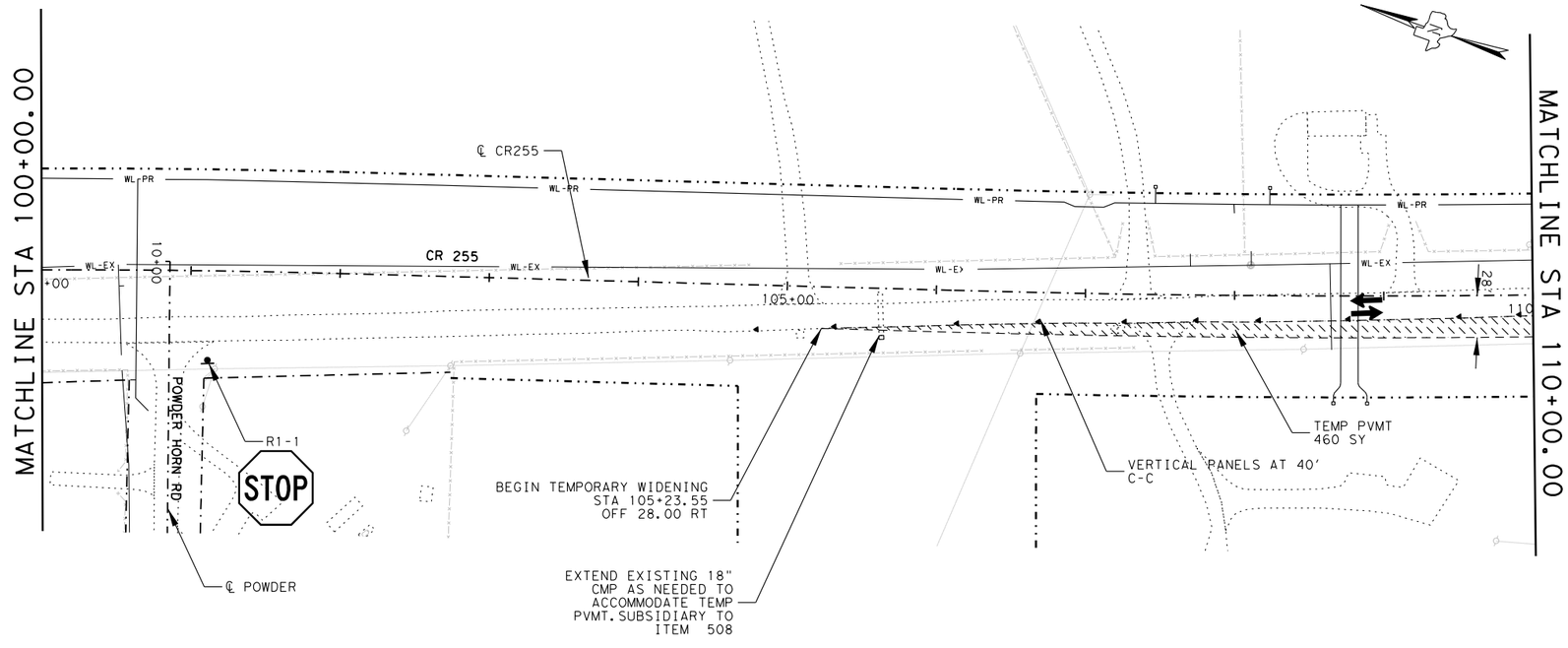
SHEET 4 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			38

USER: korathoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.cpn
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01_TCP_04.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

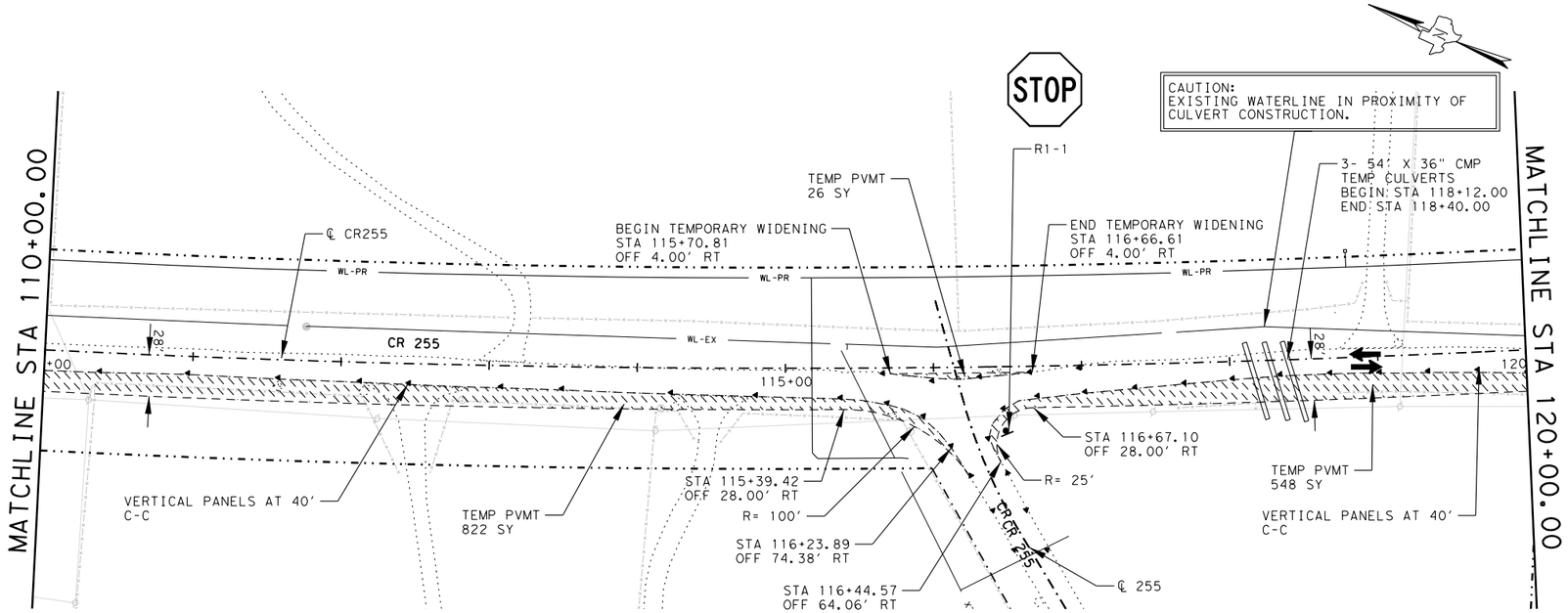
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 90+00 TO STA 110+00

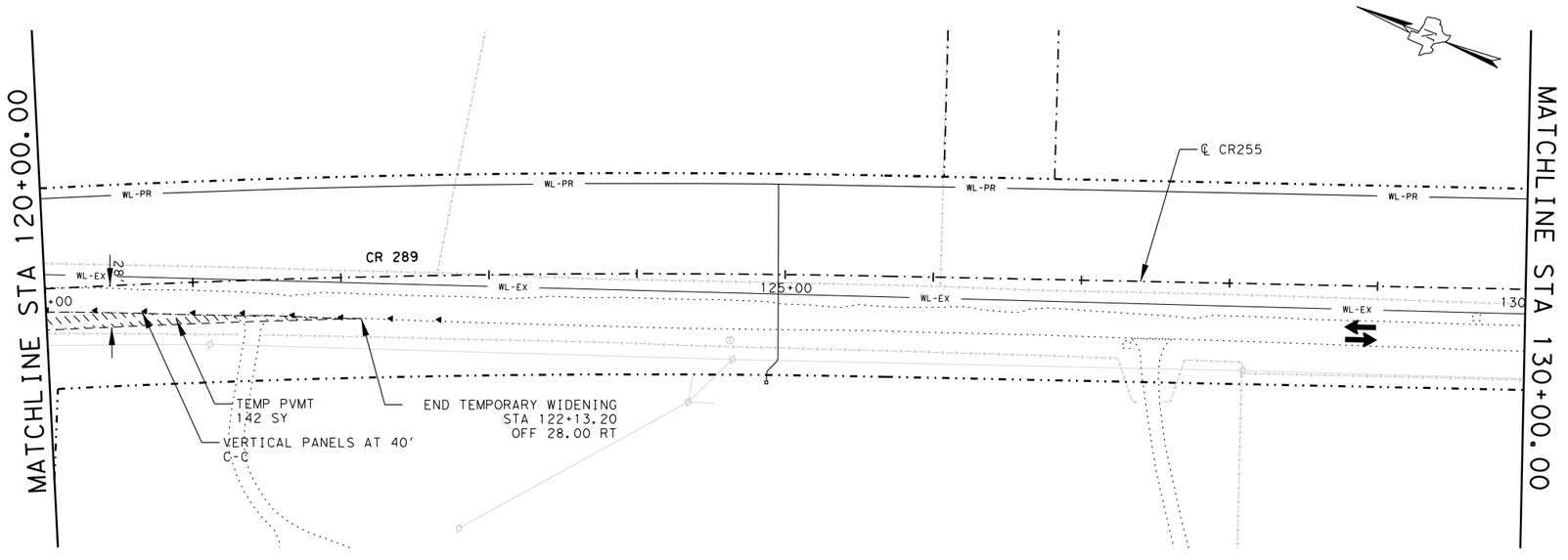
SHEET 5 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			39

USER: korahoske
DATE: 11/6/2024 2:05
SCRIPT: pw://server.slg-eng.com:Slg-obs/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Misc/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.slg-eng.com:Slg-obs/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE01_TCP_05.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

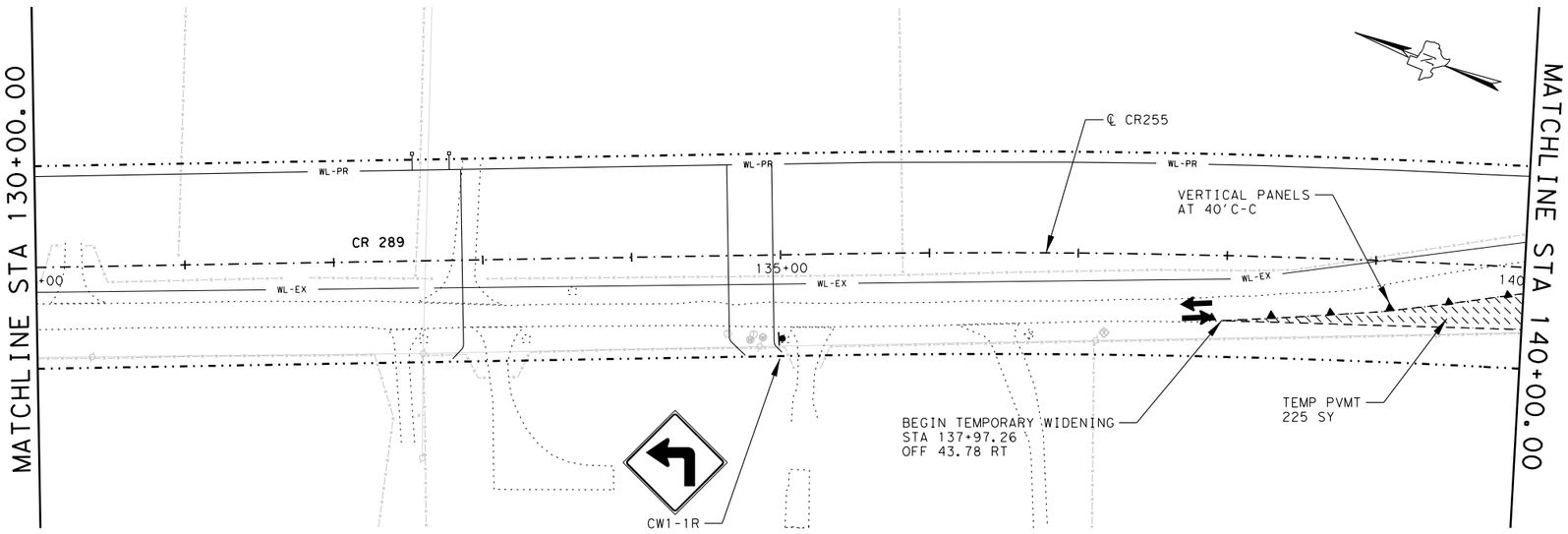
Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 110+00 TO STA 130+00

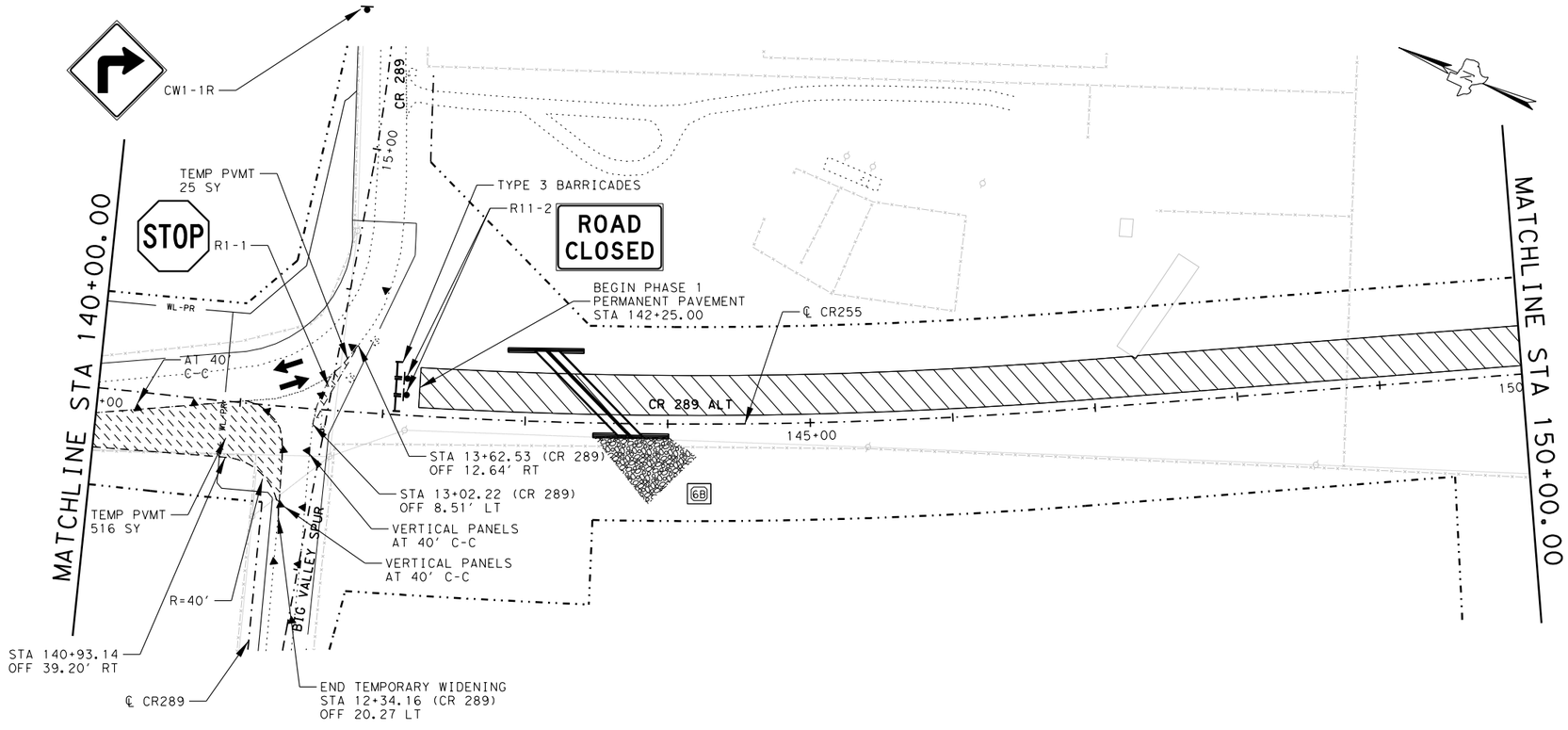
SHEET 6 OF 8

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			40

USER: korallnoske
DATE: 11/6/2024
SCRIPT: pw://server.slg-eng.com:Slg-dat/Documents/WILCO0302-CR255_CR289/Design_Data\4 - Design\Miscellaneous\CR255_plot.pen
FILE: pw://server.slg-eng.com:Slg-dat/Documents/WILCO0302-CR255_CR289/Design_Data\4 - Design\Plan_Set\02. TCP\CR255_PHASE01_TCP_06.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

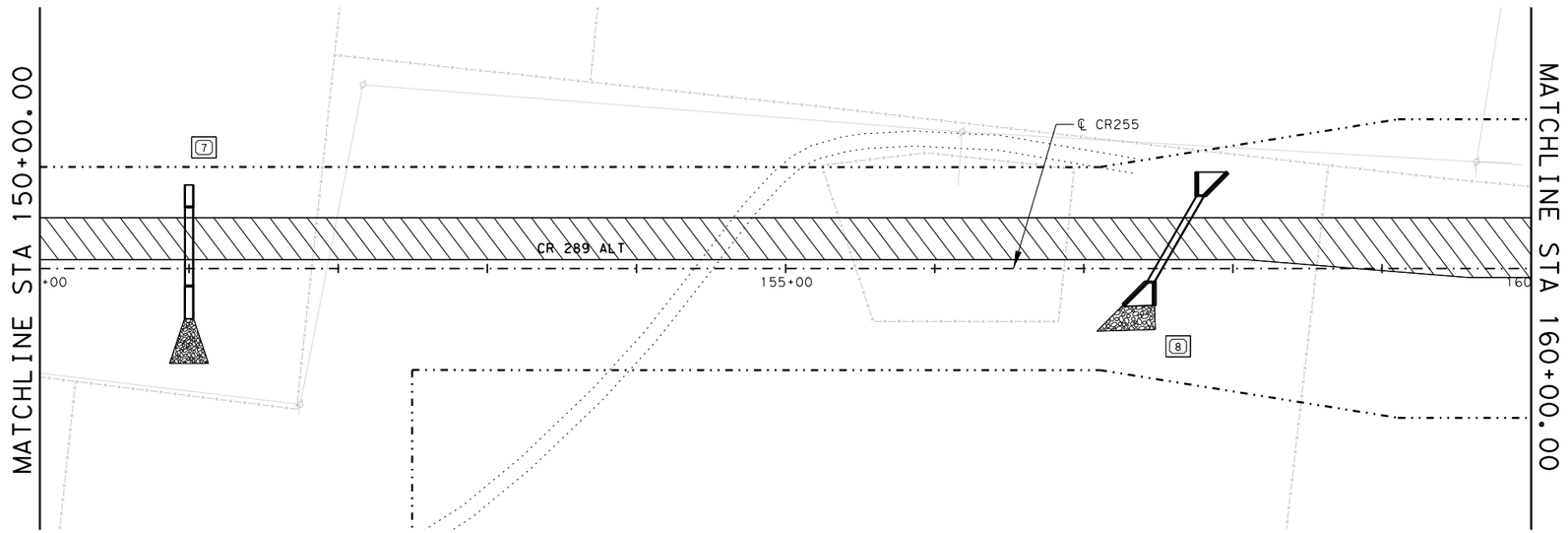
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 130+00 TO STA 150+00

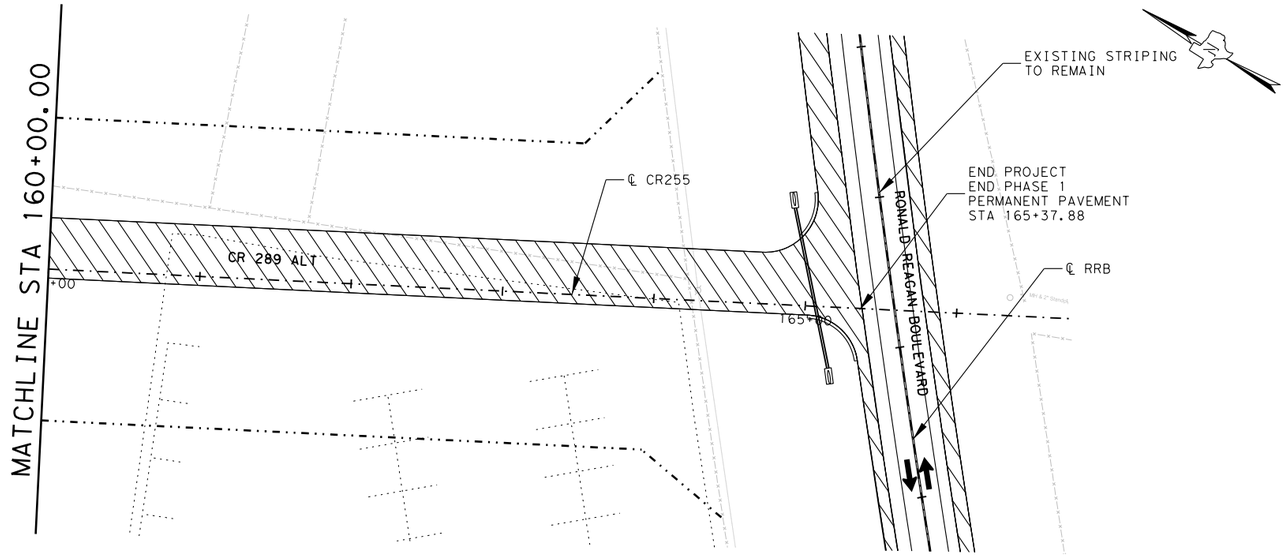
SHEET 7 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			41

USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_plot.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02_TCP/CR255_PHASE01_TCP_07.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 1
STA 150+00 TO END

SHEET 8 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			42

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE01_TCP_08.dgn
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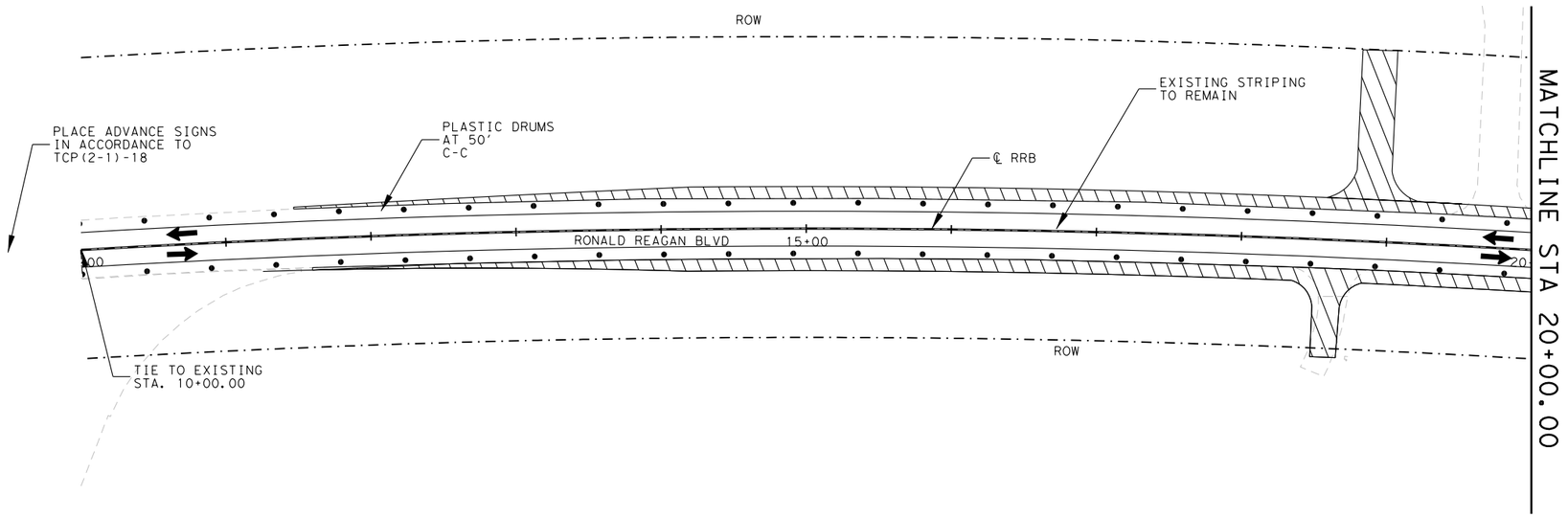
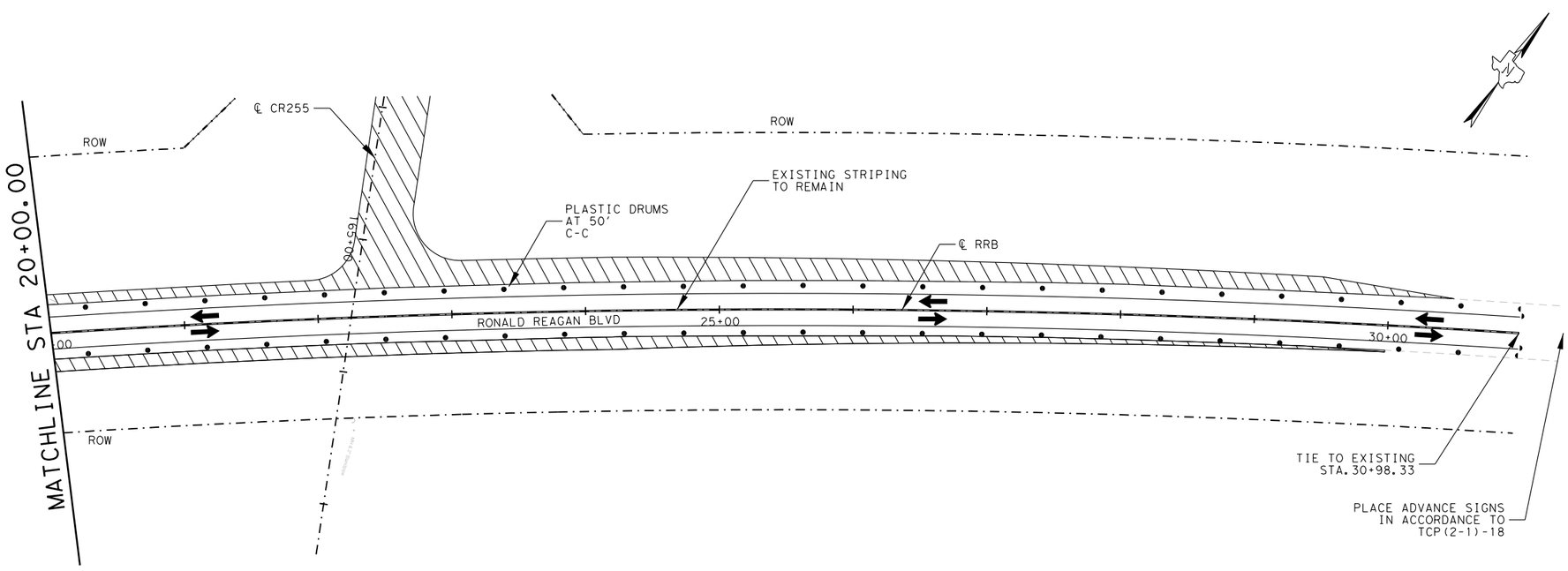


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100
SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- WK ZN PAV MRK 4" W (SLD)(REMOV)
- WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
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LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
RONALD REAGAN BLVD
TRAFFIC CONTROL PLAN
PHASE 1
BEGIN TO END

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			43

USER: korahoske
DATE: 11/6/2024 2:06
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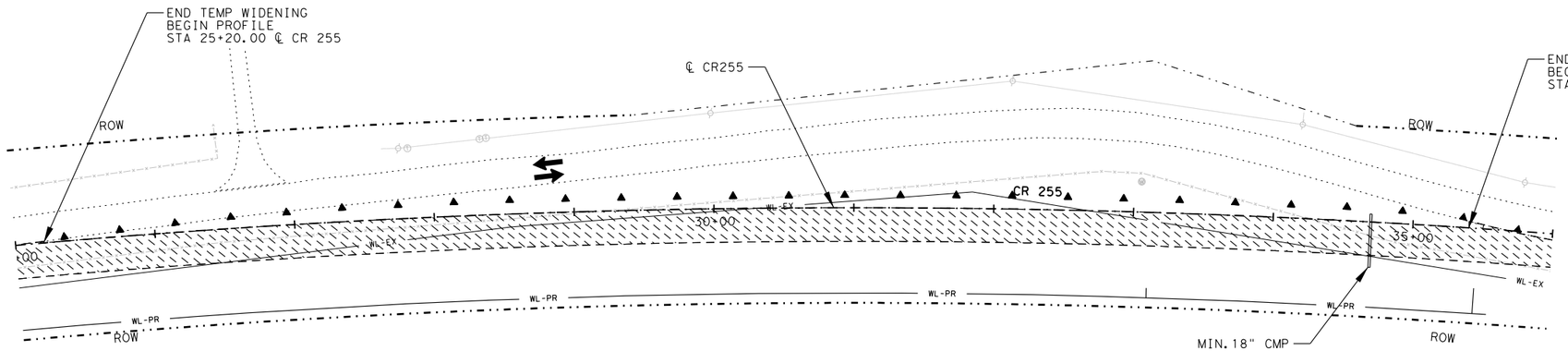
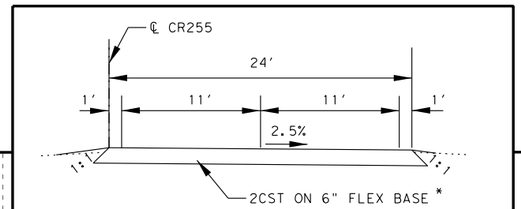
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/RR_PHASE01_TCP_01.dgn





DETOUR TYPICAL SECTION

* - TYPICAL FOR ALL DETOUR AND TEMP. WIDENING PAVEMENT

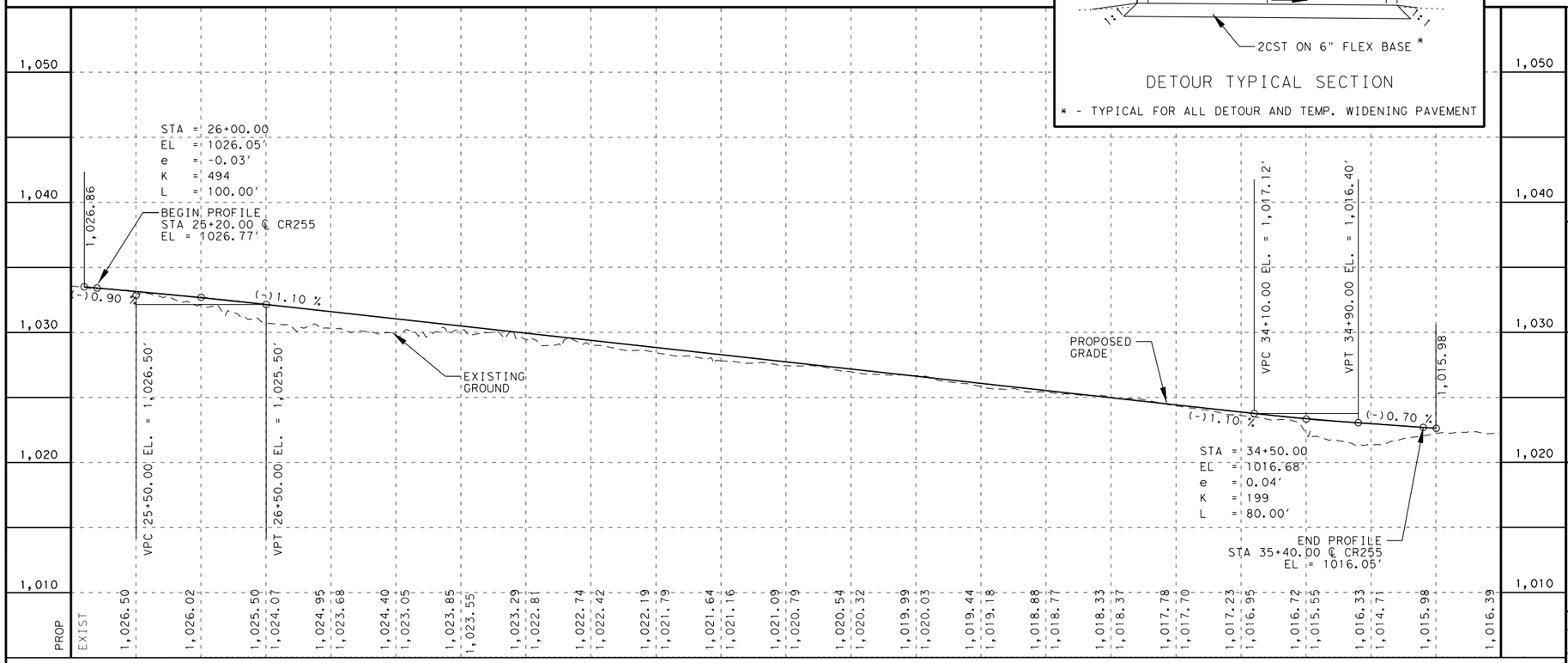
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

- FENCE LINE
- OVERHEAD UTILITY
- TRAFFIC FLOW ARROW
- VERTICAL PANEL
- PLASTIC DRUM
- CROSS CULVERT NUMBER
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE

NOTES:

1. SEE TCP HORIZONTAL ALIGNMENT DATA SHEETS SHEETS FOR CURVE DATA AND ADDITIONAL INFORMATION.
2. ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
3. SEE TCP TYPICAL SECTION SHEETS FOR ADDITIONAL INFO.



STATE OF TEXAS
GERALD A. LANKES
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PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PLAN & PROFILE

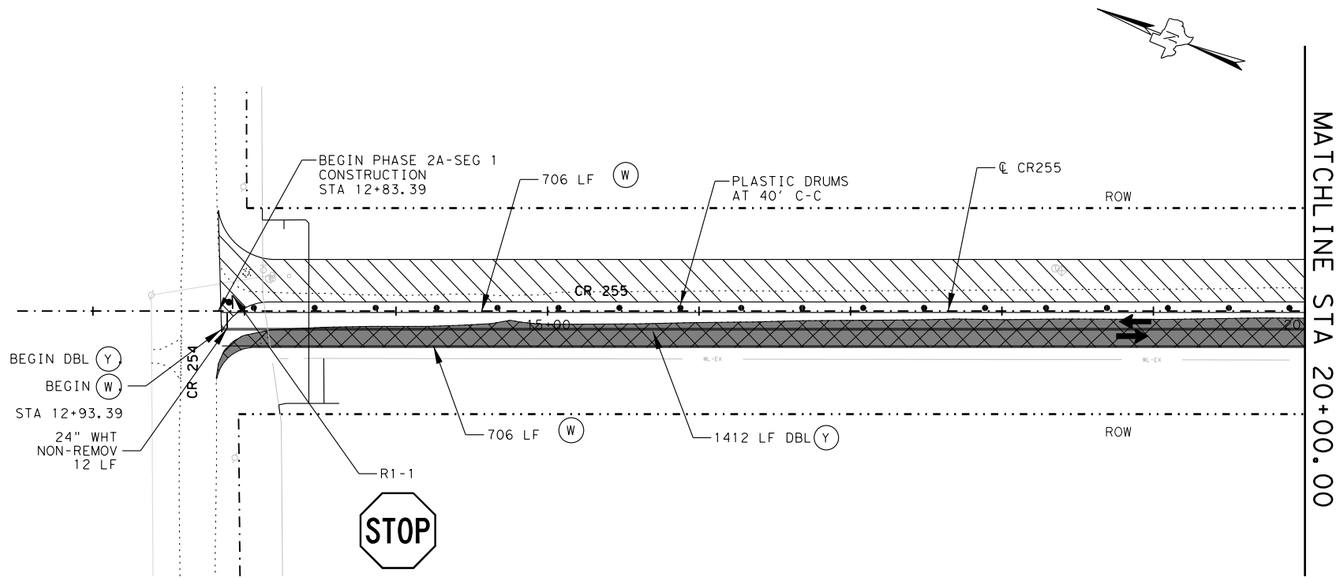
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 1 OF 1

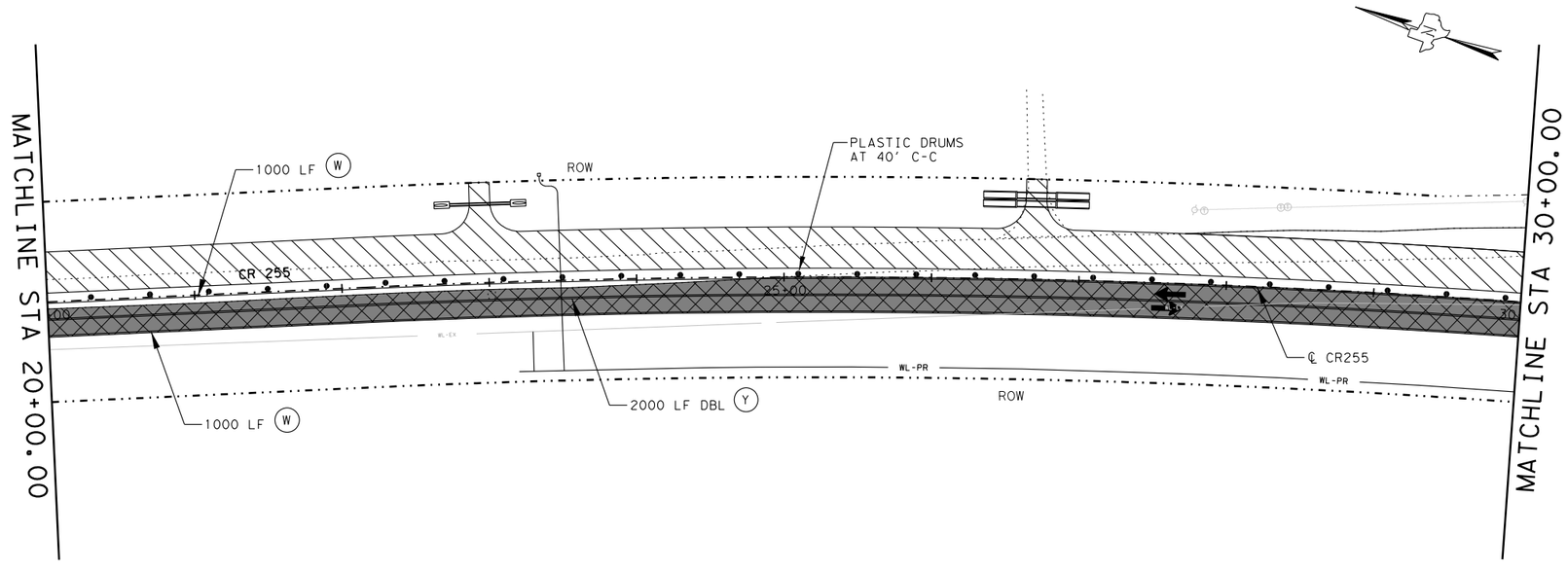
DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			44

USER: kcraltonske
DATE: 11/6/2024 2:06
SCRIPT: pw://sener.sdgeng.com:Sdg-ds/Documents/WILCO302-CR255_CR288/Design_Data/4 - Design/Miscellaneous/CR255_plot.pen
FILE: pw://sener.sdgeng.com:Sdg-ds/Documents/WILCO302-CR255_CR288/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_PP.dgn

0 50 100
SCALE: 1" = 100'



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- W — WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- W — WK ZN PAV MRK 4" W (SLD) (REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (REMOV)
- # — CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

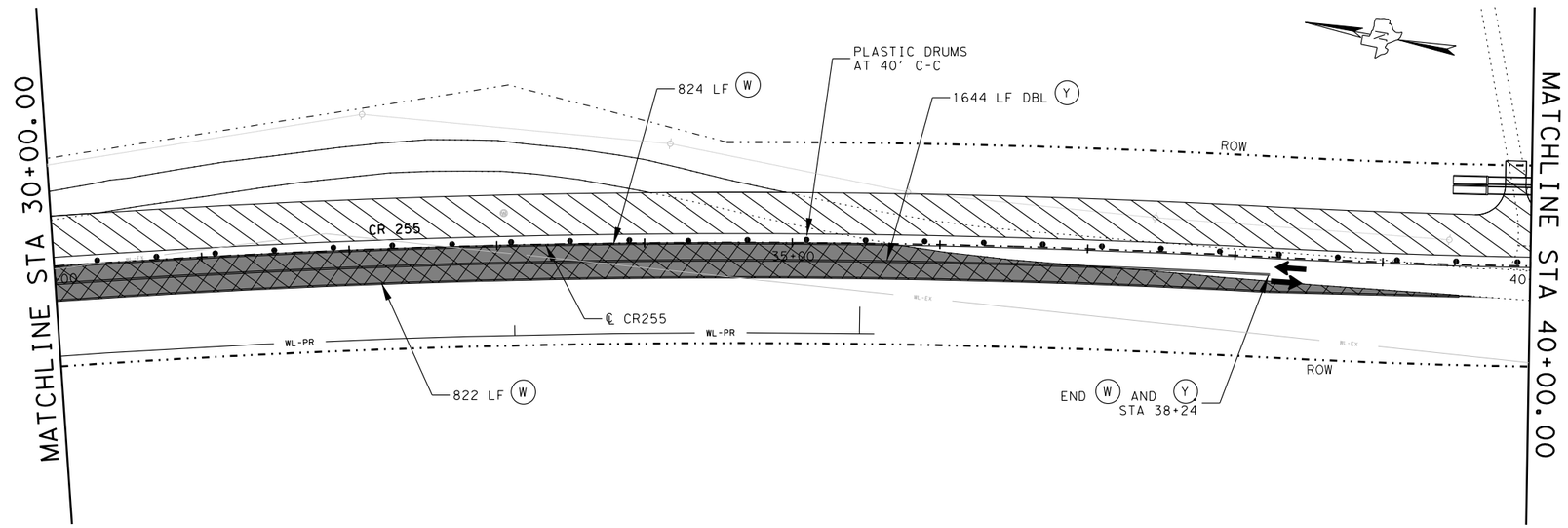
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
BEGIN TO STA 30+00

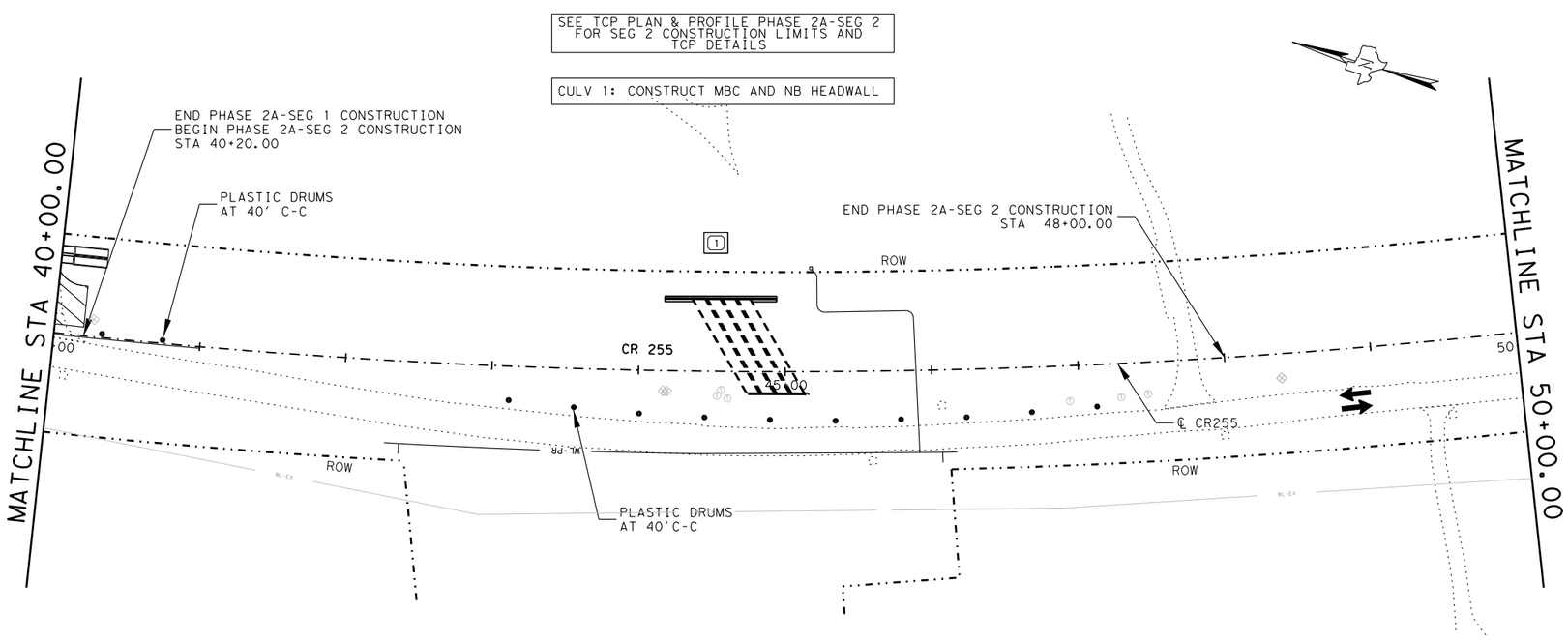
SHEET 1 OF 7

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.	
CHECKED: ____		TEXAS		CR 255	
DRAWN: ____	COUNTY			JOB No.	SHEET No.
CHECKED: ____	WILLIAMSON				45

USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw:\\server.slg-eng.com:Slg-ds\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Miscellaneous\CR255_iplot.pen
FILE: pw:\\server.slg-eng.com:Slg-ds\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Plan_Set\02. TCP\CR255_PHASE01A_TCP_01.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100
SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- W — WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- W — WK ZN PAV MRK 4" W (SLD) (REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (REMOV)
- # — CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
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WILLIAMSON COUNTY
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TBPE License No. 12670
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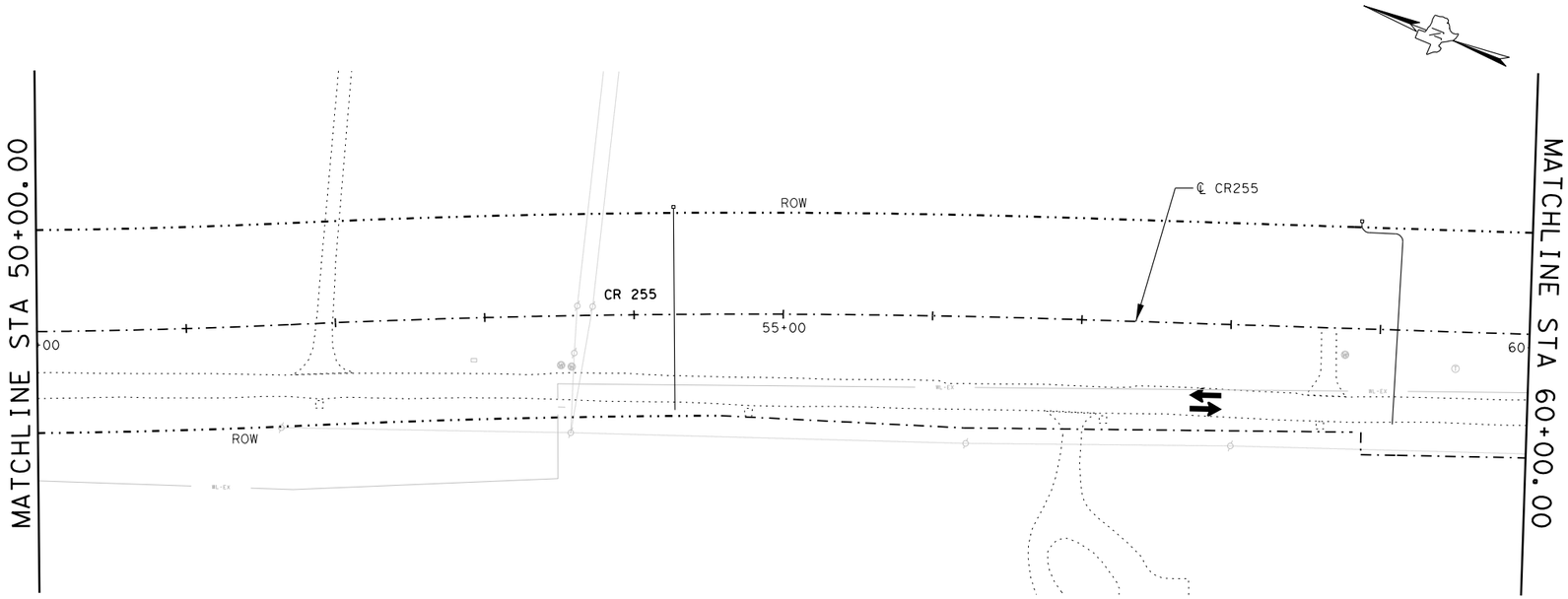
CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 30+00 TO STA 50+00

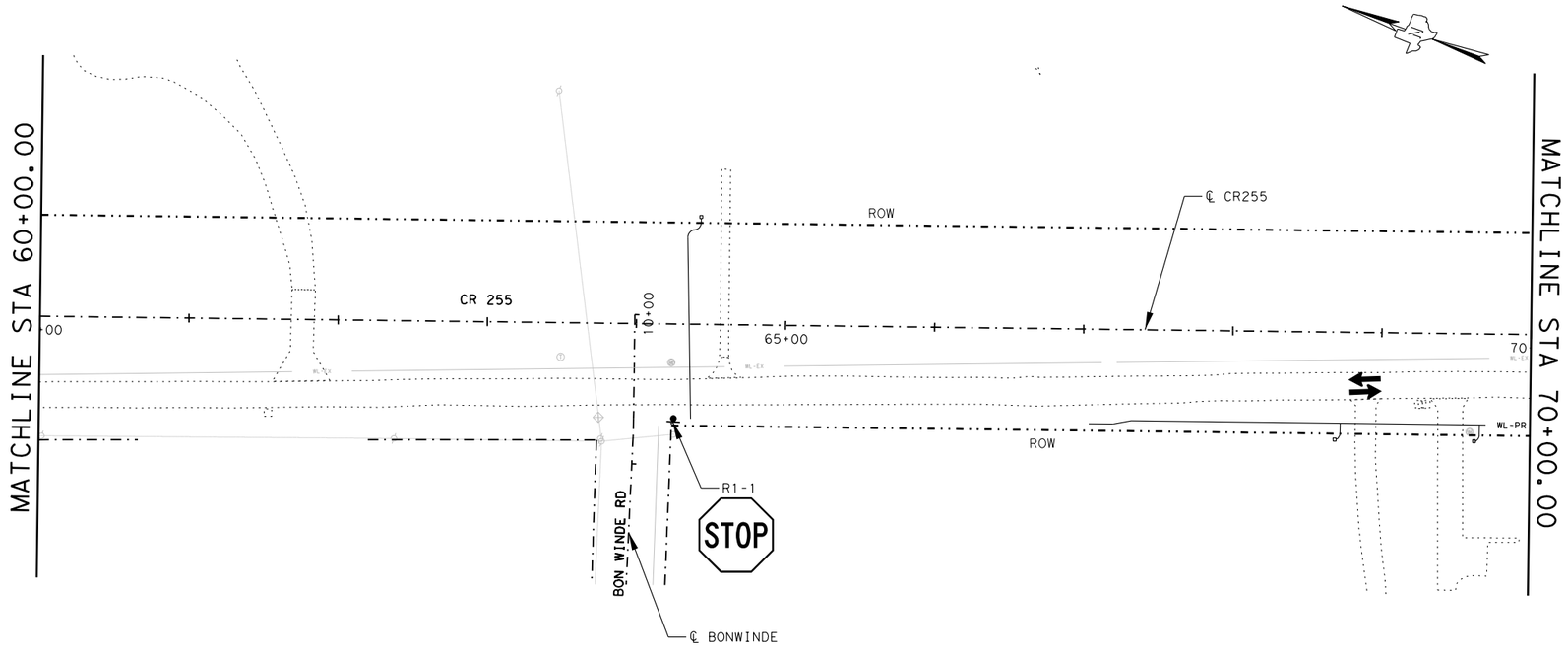
SHEET 2 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			46

USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_iplot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01A_TCP_02.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- WK ZN PAV MRK 4" W (SLD) (REMOV)
- WK ZN PAV MRK 4" Y (SLD) (REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
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107484
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11/6/2024

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WILLIAMSON COUNTY
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TBPE License No. 12670
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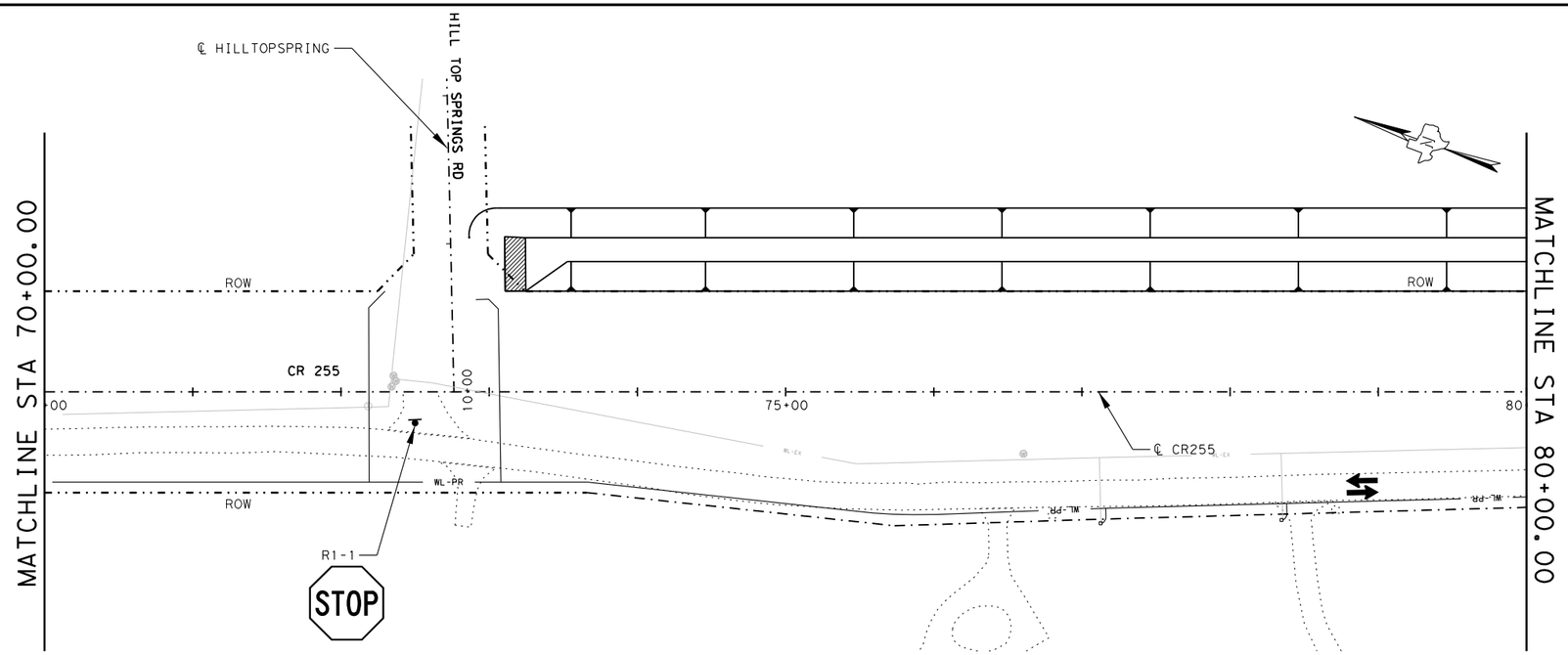
CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 50+00 TO STA 70+00

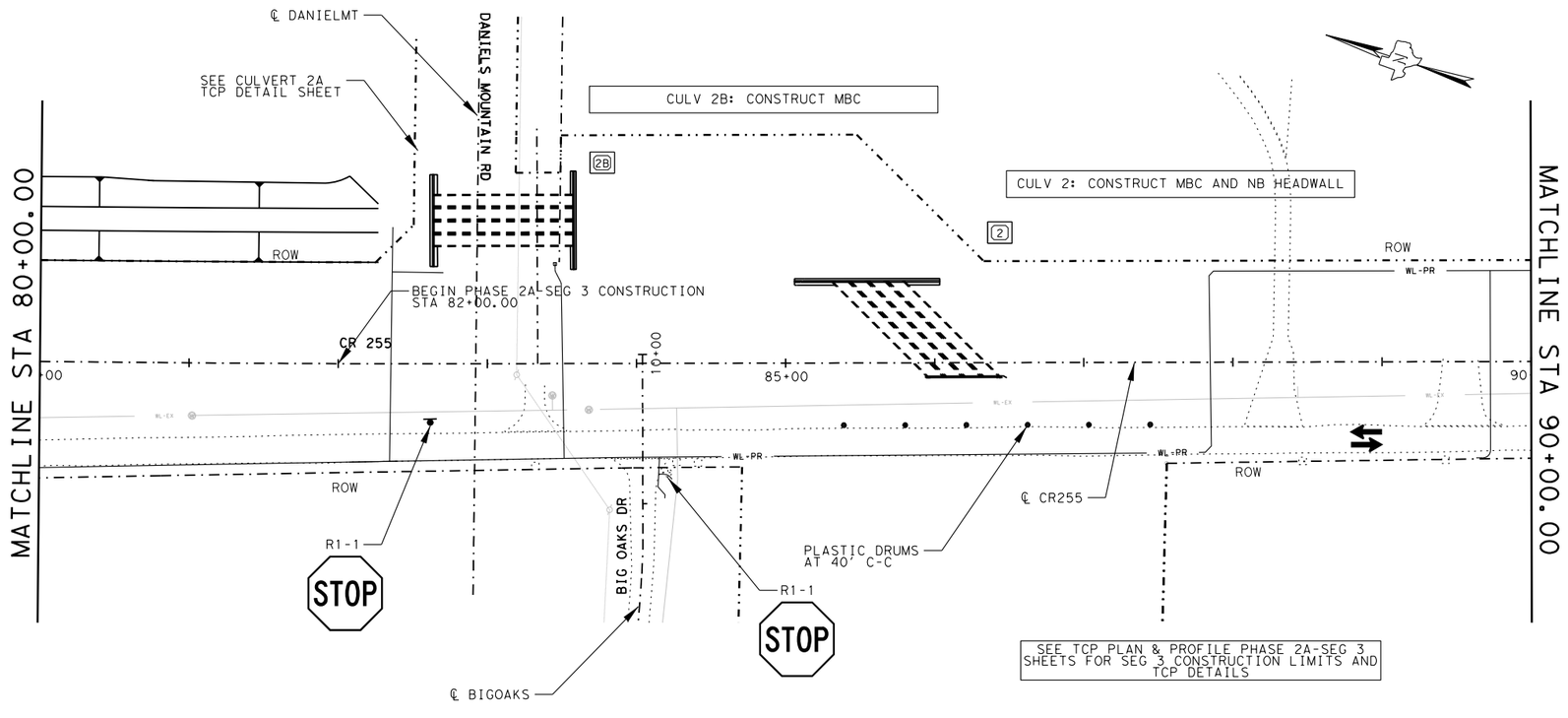
SHEET 3 OF 7

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			47

USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_ipkt.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01A_TCP_03.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

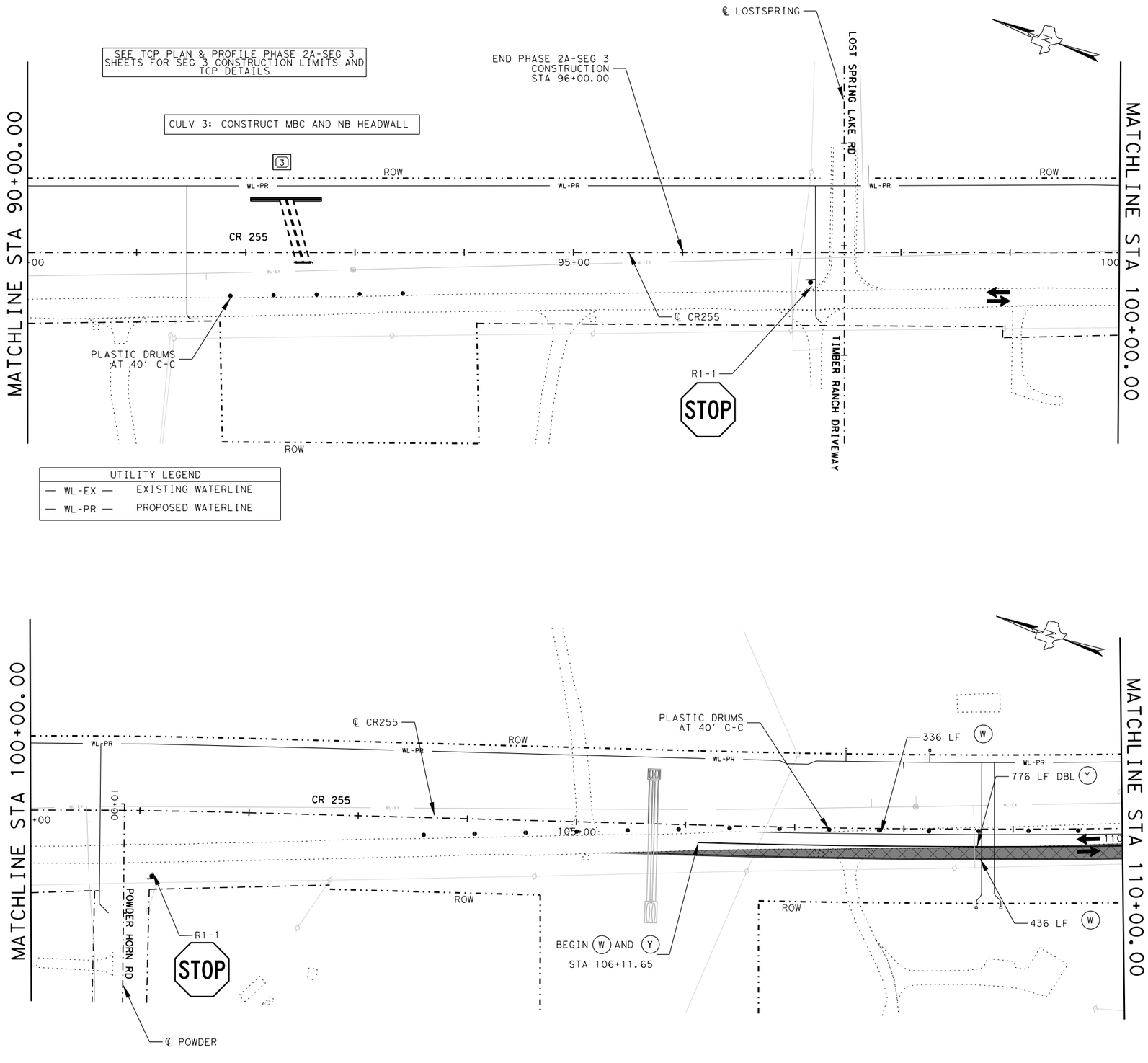
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 70+00 TO STA 90+00

SHEET 4 OF 7

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			48

USER: korathoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE01A_TCP_04.dgn



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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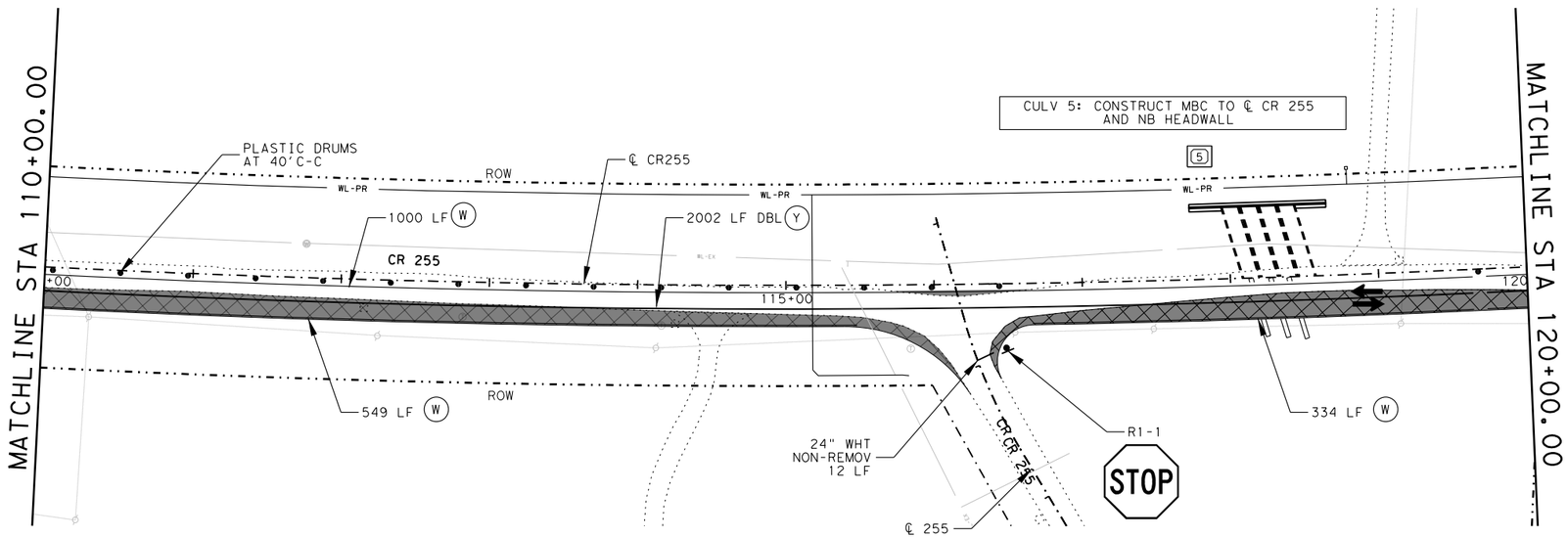
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 90+00 TO STA 110+00

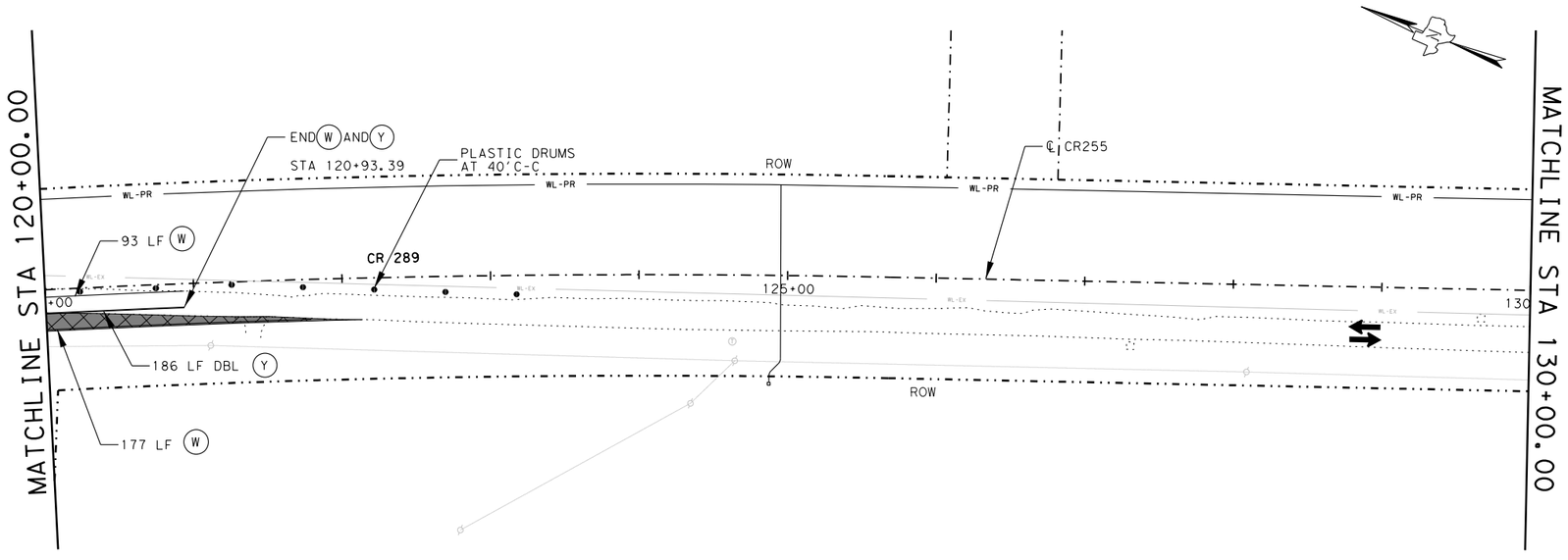
SHEET 5 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			49

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01A_TCP_05.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group

TBPE License No. 12170

PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 110+00 TO STA 130+00

SHEET 6 OF 7

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			50

USER: korallnoske
DATE: 11/6/2024 2:06
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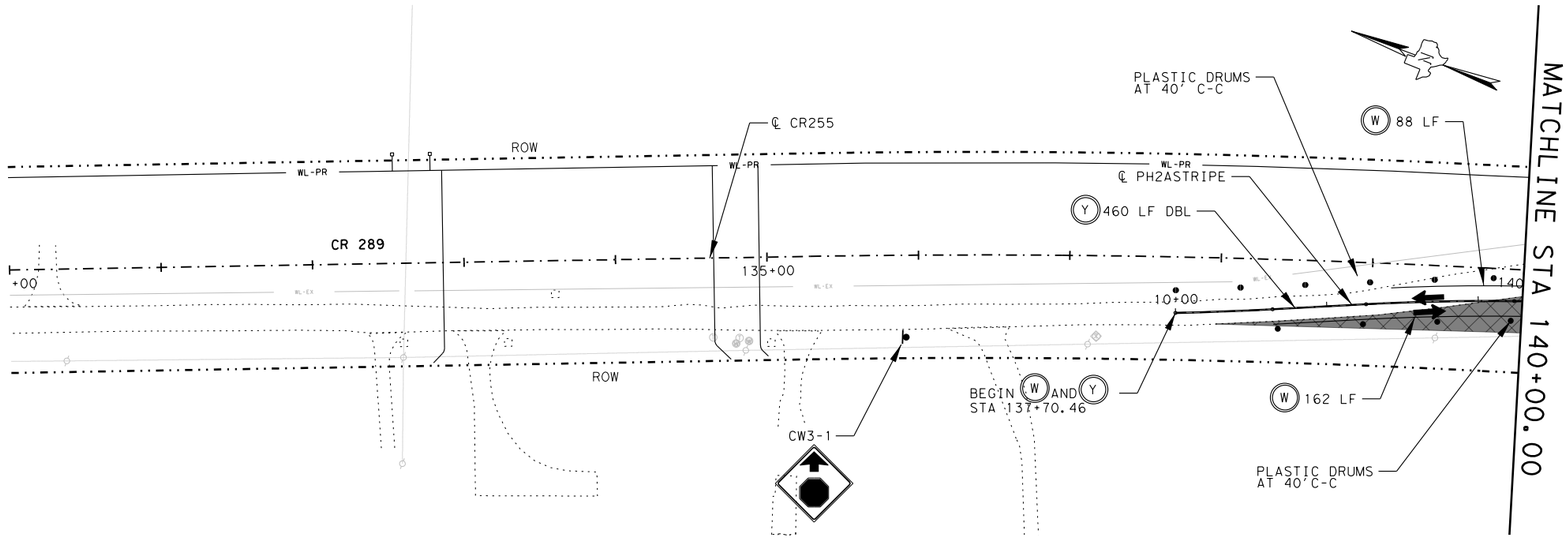
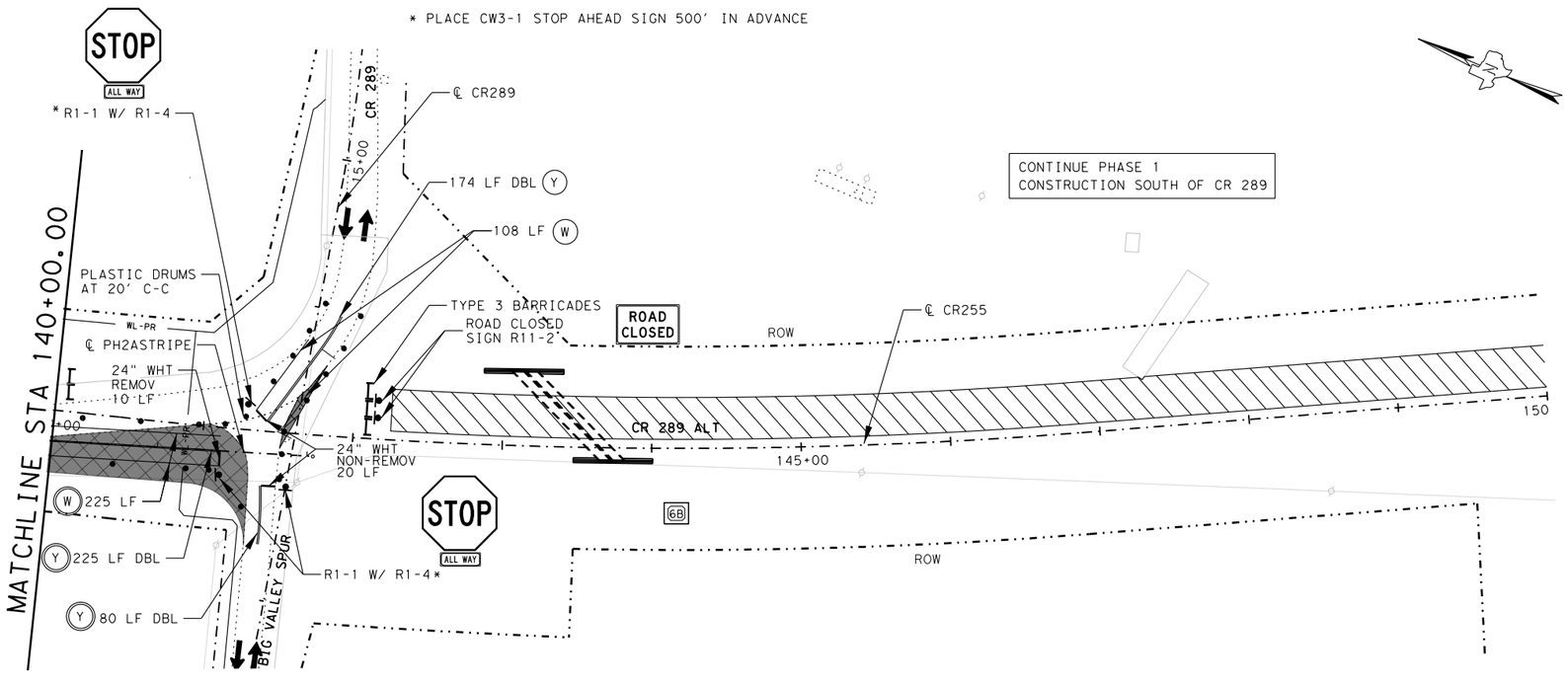
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO002-CR255_CR289/Design_Data\4 - Design\Plan_Set\02. TCP\CR255_PHASE01A_TCP_06.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
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11/6/2024

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WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

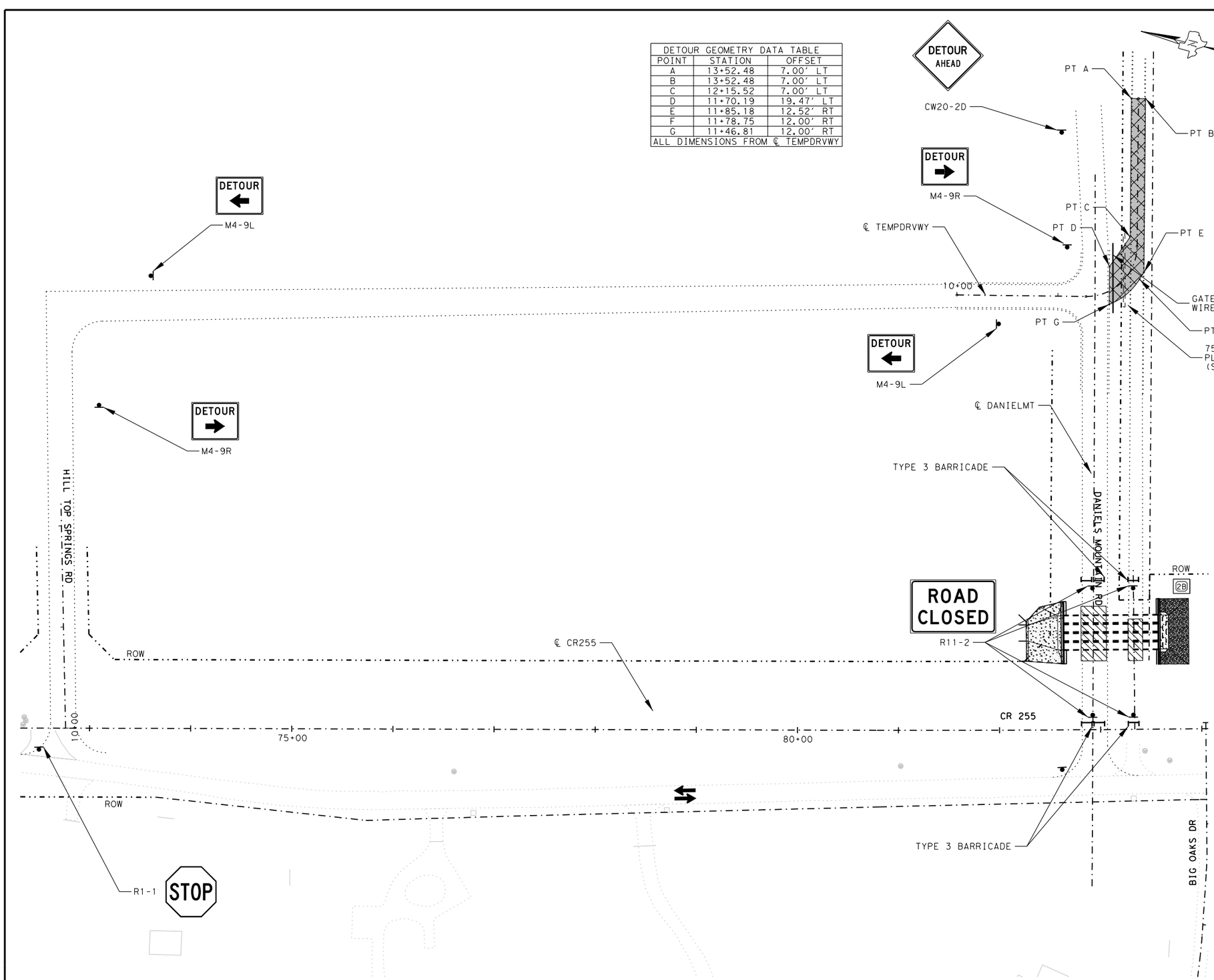
CR 255
TRAFFIC CONTROL PLAN
PHASE 2A
STA 130+00 TO STA 150+00

SHEET 7 OF 7

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			51

USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.sllgeng.com:SllgData/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Misc/Miscellaneous/CR255_plot.pen
FILE: pw://server.sllgeng.com:SllgData/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02_TCP/CR255_PHASE01A_TCP_07.dgn

DETOUR GEOMETRY DATA TABLE		
POINT	STATION	OFFSET
A	13+52.48	7.00' LT
B	13+52.48	7.00' LT
C	12+15.52	7.00' LT
D	11+70.19	19.47' LT
E	11+85.18	12.52' RT
F	11+78.75	12.00' RT
G	11+46.81	12.00' RT
ALL DIMENSIONS FROM ℄ TEMPDRVWY		



0 50 100

SCALE: 1" = 100'

LEGEND

- FENCE LINE
- OVERHEAD UTILITY
- TRAFFIC FLOW ARROW
- VERTICAL PANEL
- PLASTIC DRUM
- CROSS CULVERT NUMBER
- TEMPORARY PAVEMENT CONSTRUCTED AND USED THIS PHASE - STEP

NOTES:

1. THE ITEM QUANTITIES ARE APPROXIMATE AND BASED ON CONSTRUCTING A 20 FT WIDE PAVEMENT SECTION. EXACT LOCATION OF C&G REMOVAL, TEMP PAVMENT AND FENCE MODIFICATIONS TO BE FIELD VERIFIED BY THE ENGINEER BASED ON EXISTING CONDITIONS.
2. REMOVAL OF FENCE TO INSTALL GATE PRIOR TO CONSTRUCTION AND REMOVAL OF GATE TO INSTALL FENCE AFTER CONSTRUCTION SHALL BE SUBSIDIARY TO PREP ROW.
3. REFER TO TCP DETOUR PLANS SHEET FOR DETOUR SIGNING ALONG CR 255 DURING THIS OPERATION.

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11/6/2024

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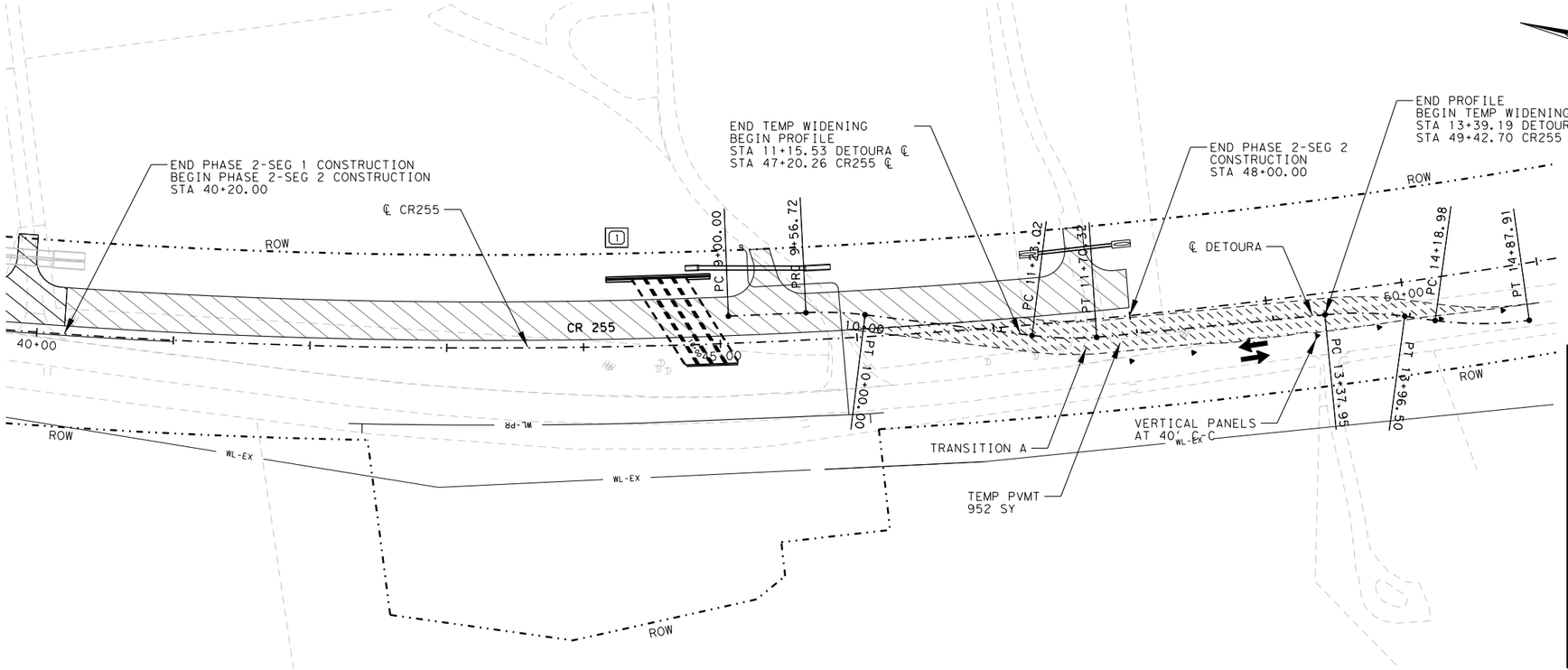
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2A - CULV 2B DETAILS

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			52

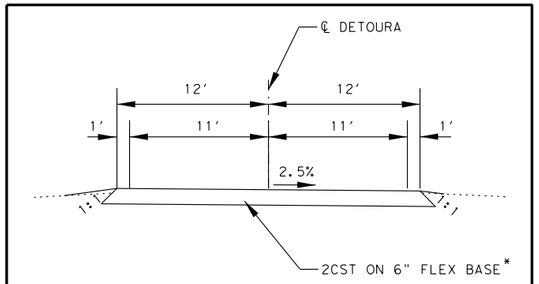
USER: korahoske
DATE: 11/6/2024 2:06
SCRIPT: pw://server.slg-eng.com:Slg-dsi/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_plot.pen
FILE: pw://server.slg-eng.com:Slg-dsi/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_PH1A_CULV_2A_DET.dgn



0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

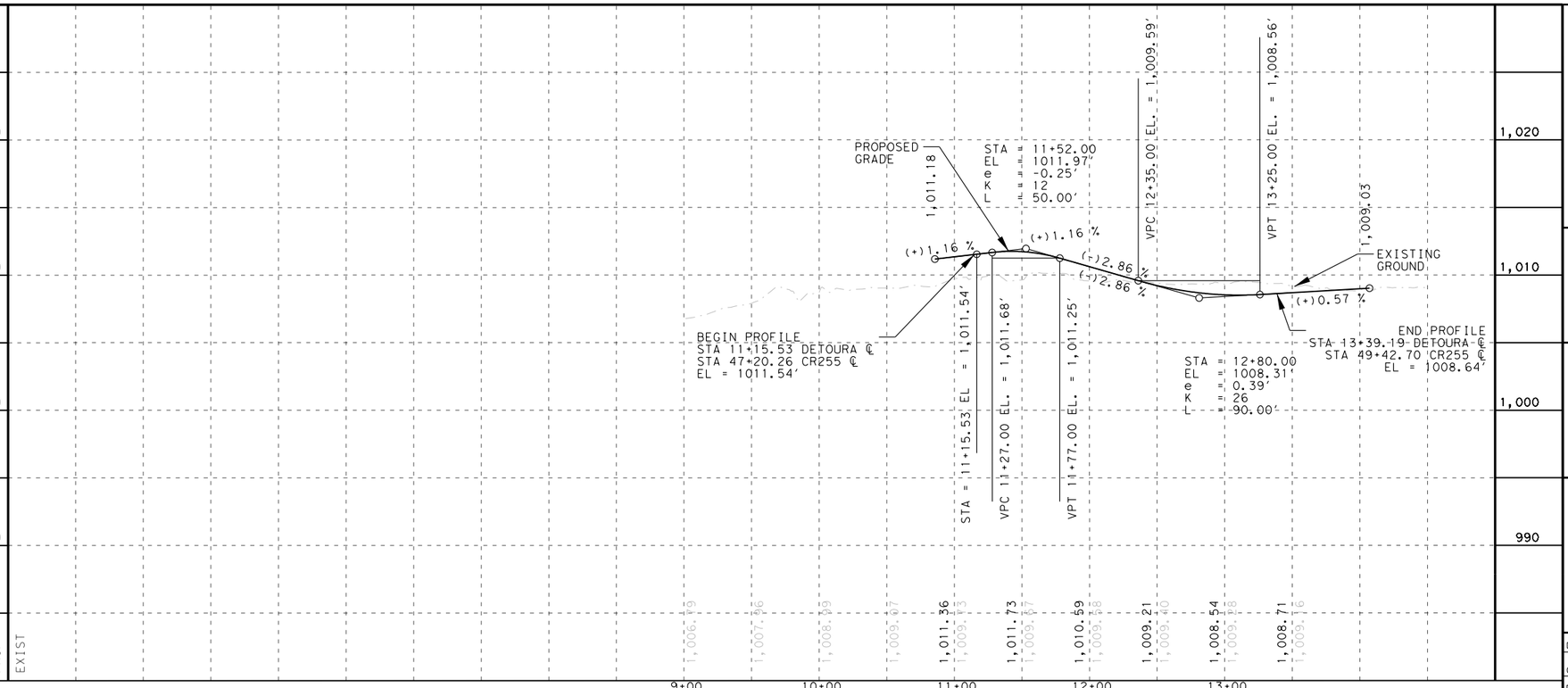
LEGEND

- FENCE LINE
- OVERHEAD UTILITY
- TRAFFIC FLOW ARROW
- VERTICAL PANEL
- PLASTIC DRUM
- CROSS CULVERT NUMBER
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE



DETOUR TYPICAL SECTION

* - TYPICAL FOR ALL DETOUR AND TEMP. WIDENING PAVEMENT



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WILCO TEXAS

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INFRASTRUCTURE

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PLANNING • ENGINEERING • CONSTRUCTION

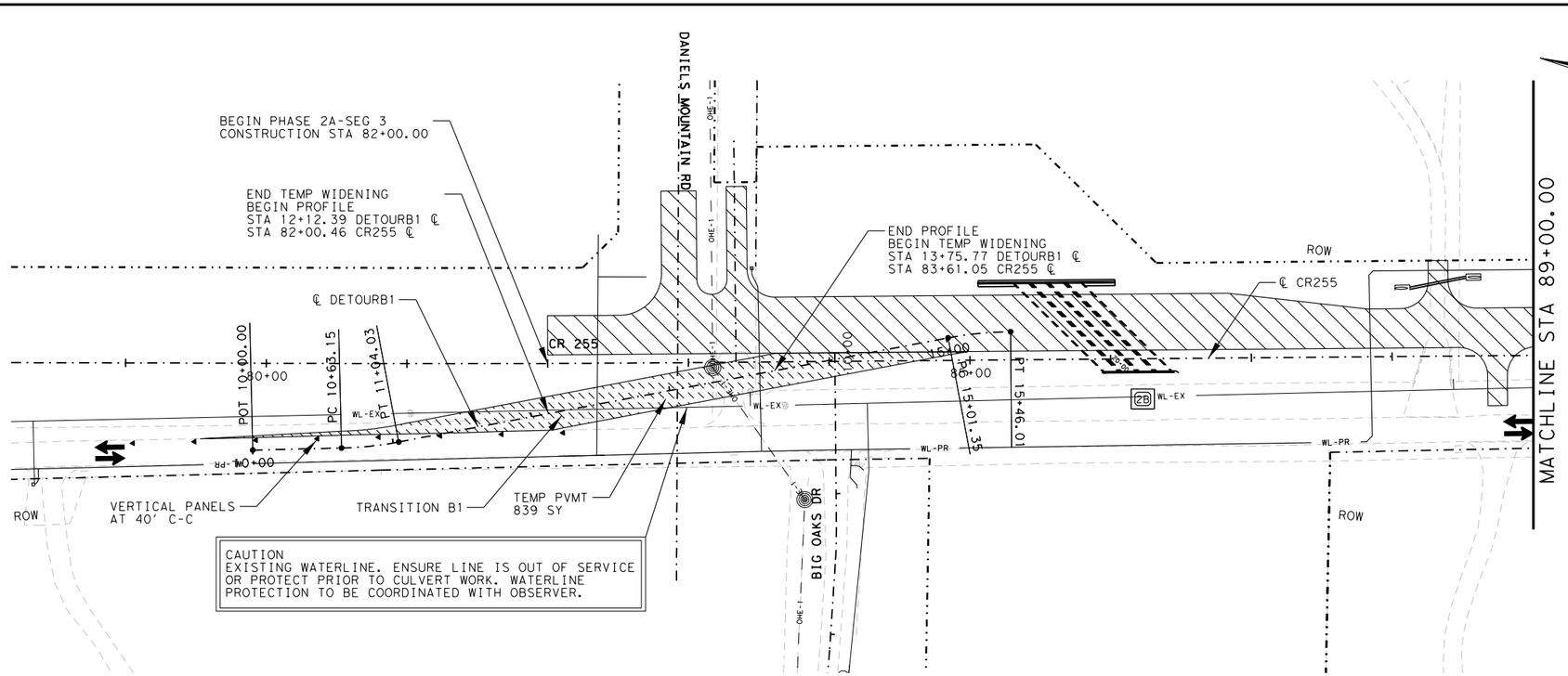
CR 255
TRAFFIC CONTROL PLAN
PLAN & PROFILE
PHASE 2A - SEG 2

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			53

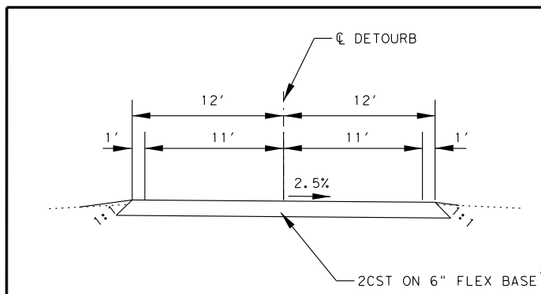
USER: koralhoske
DATE: 11/6/2024 2:07
SCRIPT: pw://server.sllg-eng.com:Sllg-dal/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_plot.cpn
FILE: pw://server.sllg-eng.com:Sllg-dal/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_PP_PH1AA.dgn



0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

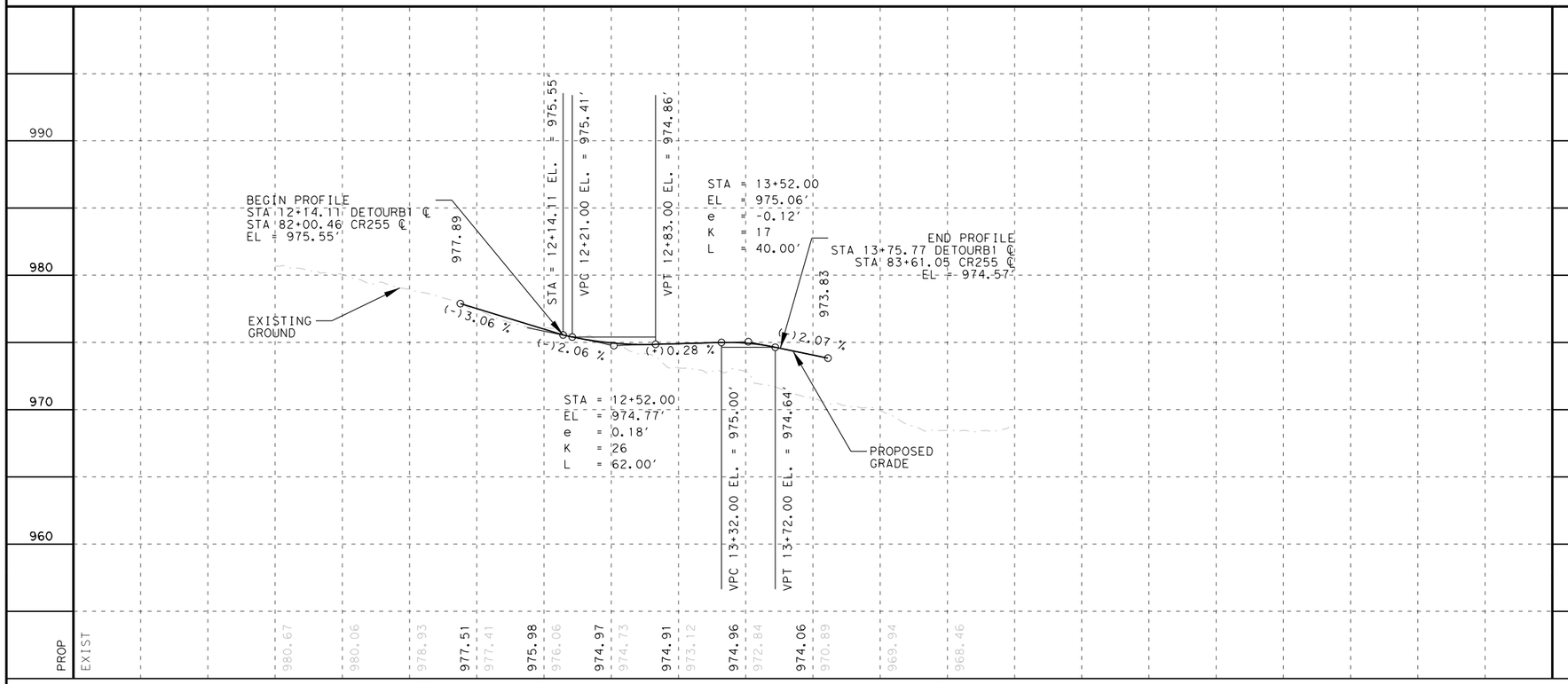
LEGEND

- FENCE LINE
- OVERHEAD UTILITY
- TRAFFIC FLOW ARROW
- VERTICAL PANEL
- PLASTIC DRUM
- CROSS CULVERT NUMBER
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE



DETOUR TYPICAL SECTION

* - TYPICAL FOR ALL DETOUR AND TEMP. WIDENING PAVEMENT



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

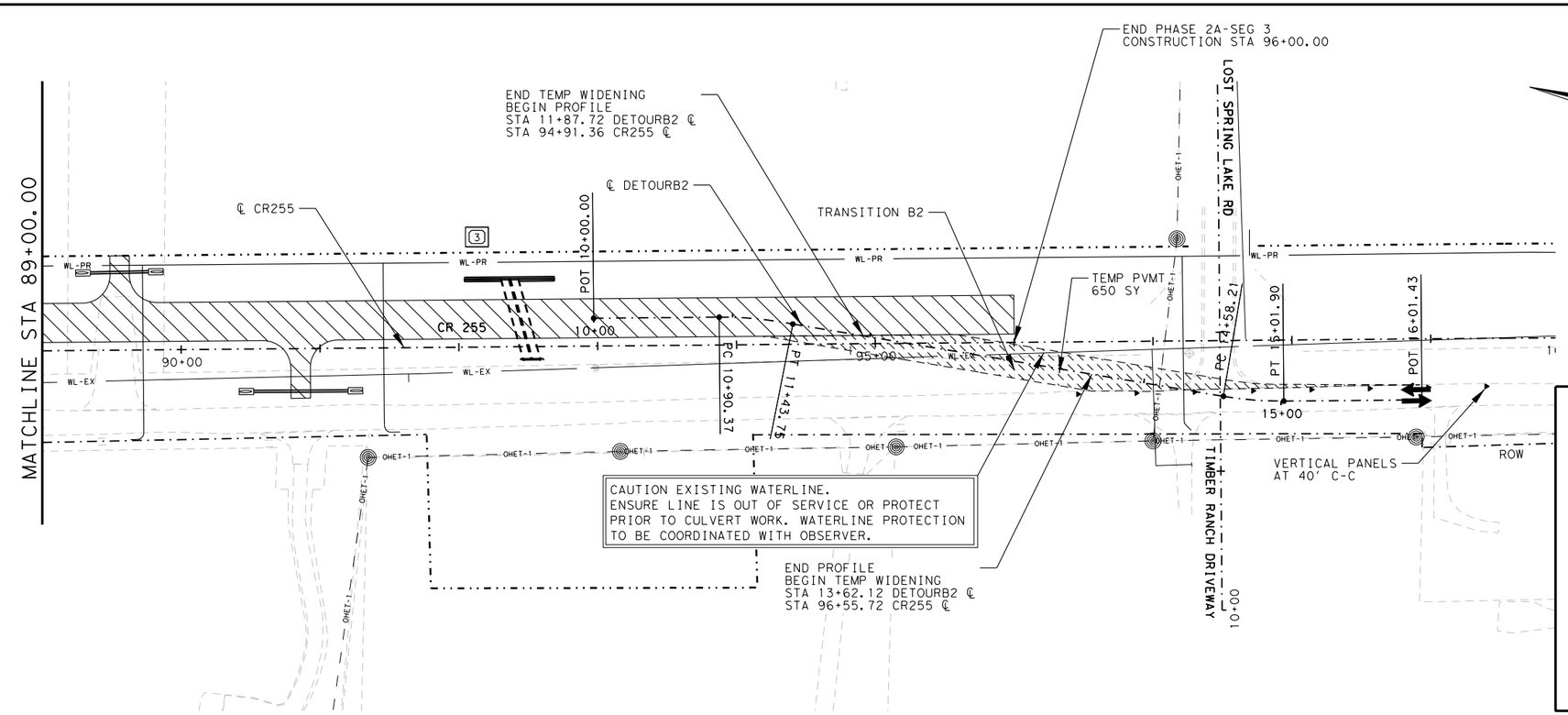
CR 255
TRAFFIC CONTROL PLAN
PLAN & PROFILE
PHASE 2A SEG 3

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 1 OF 2

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			54

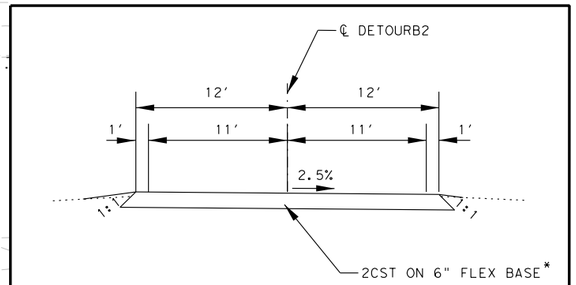
USER: korahoske
DATE: 11/6/2024 2:07
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_ipkt.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_PP_PH1A-B_01.dgn



0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

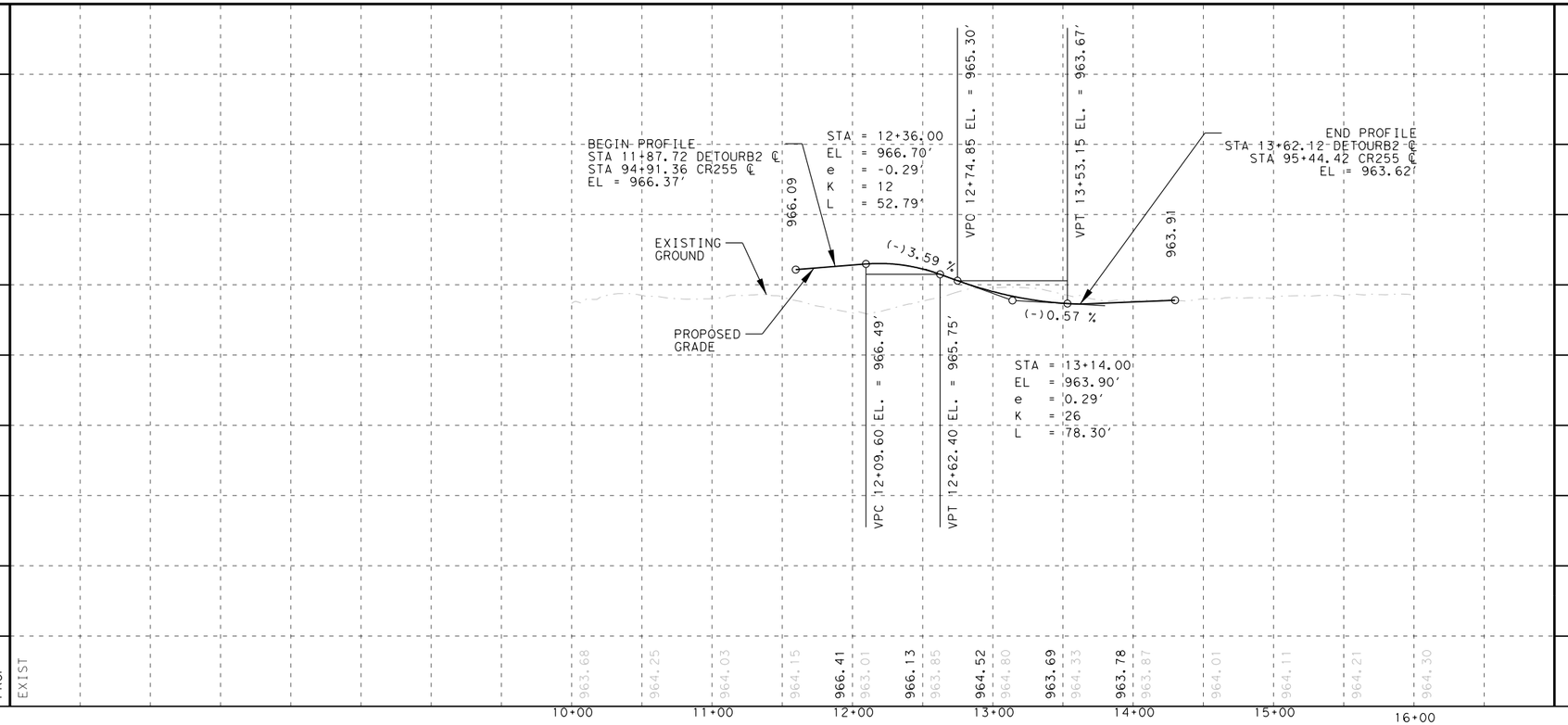
LEGEND

- FENCE LINE
- OVERHEAD UTILITY
- TRAFFIC FLOW ARROW
- VERTICAL PANEL
- PLASTIC DRUM
- CROSS CULVERT NUMBER
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE



DETOUR TYPICAL SECTION

* - TYPICAL FOR ALL DETOUR AND TEMP. WIDENING PAVEMENT



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

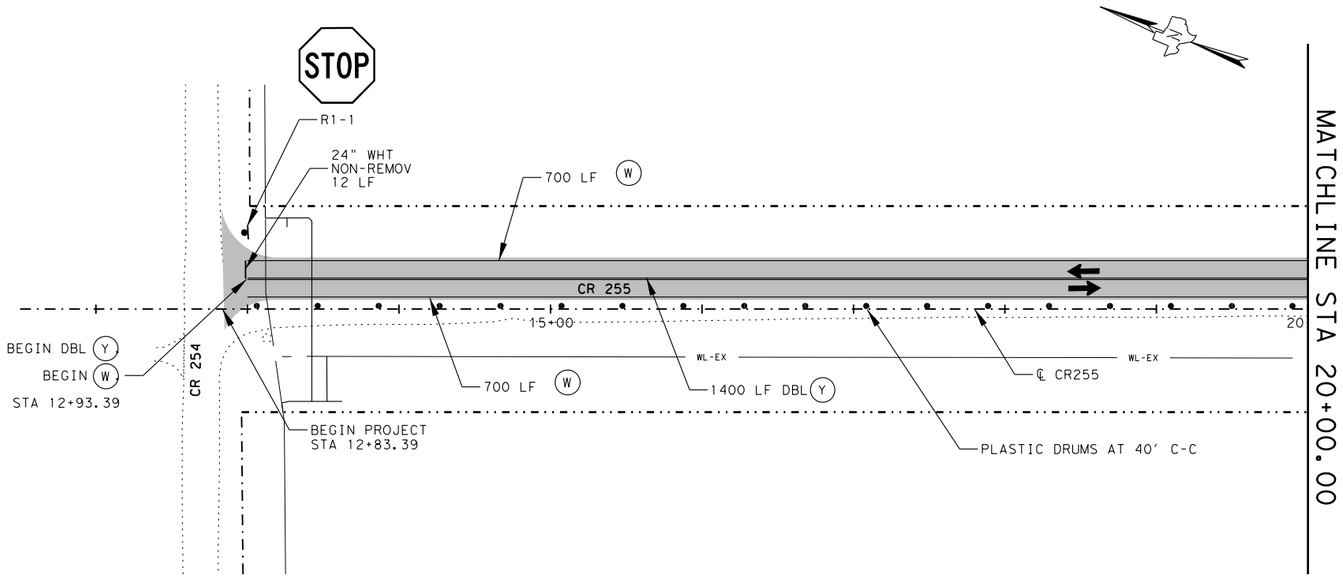
CR 255
TRAFFIC CONTROL PLAN
PLAN & PROFILE
PHASE 2A - SEG 3

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

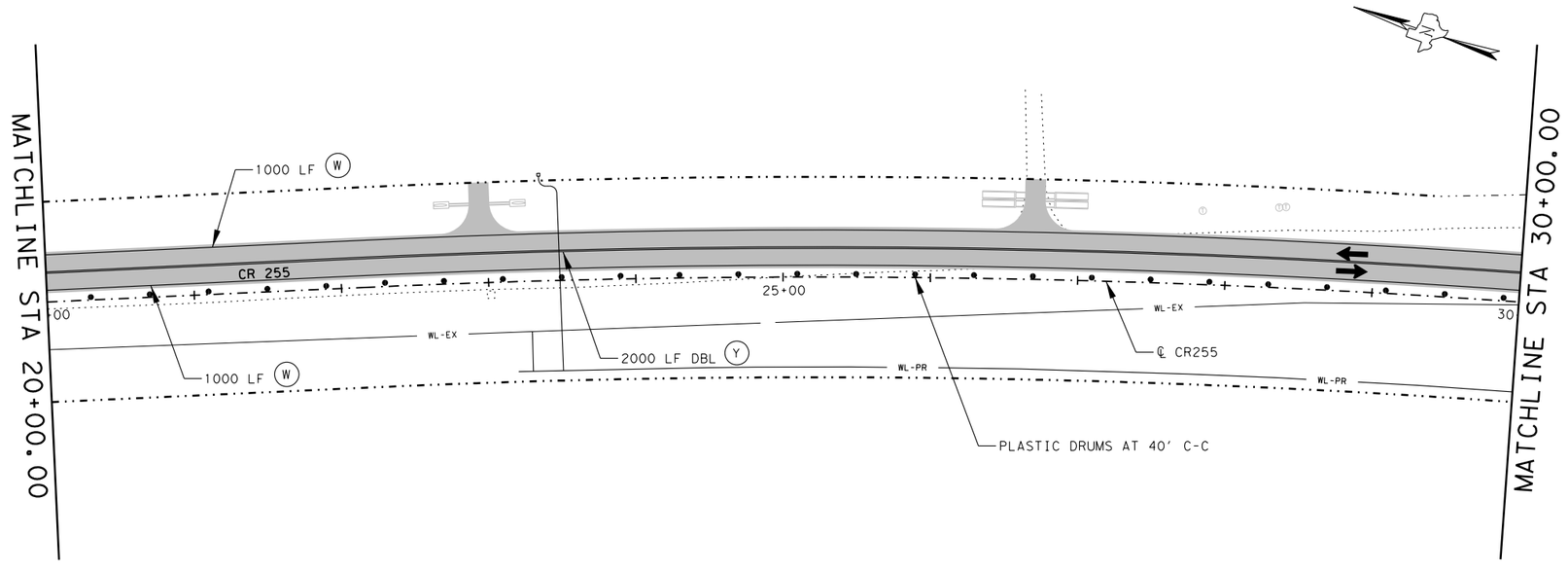
SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			55

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgweng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jwkt.dgn
FILE: pw://server.sllgweng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_TCP_PP_PH1A-B_02.dgn
2:07



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- W — WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- W — WK ZN PAV MRK 4" W (SLD) (REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (REMOV)
- # — CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

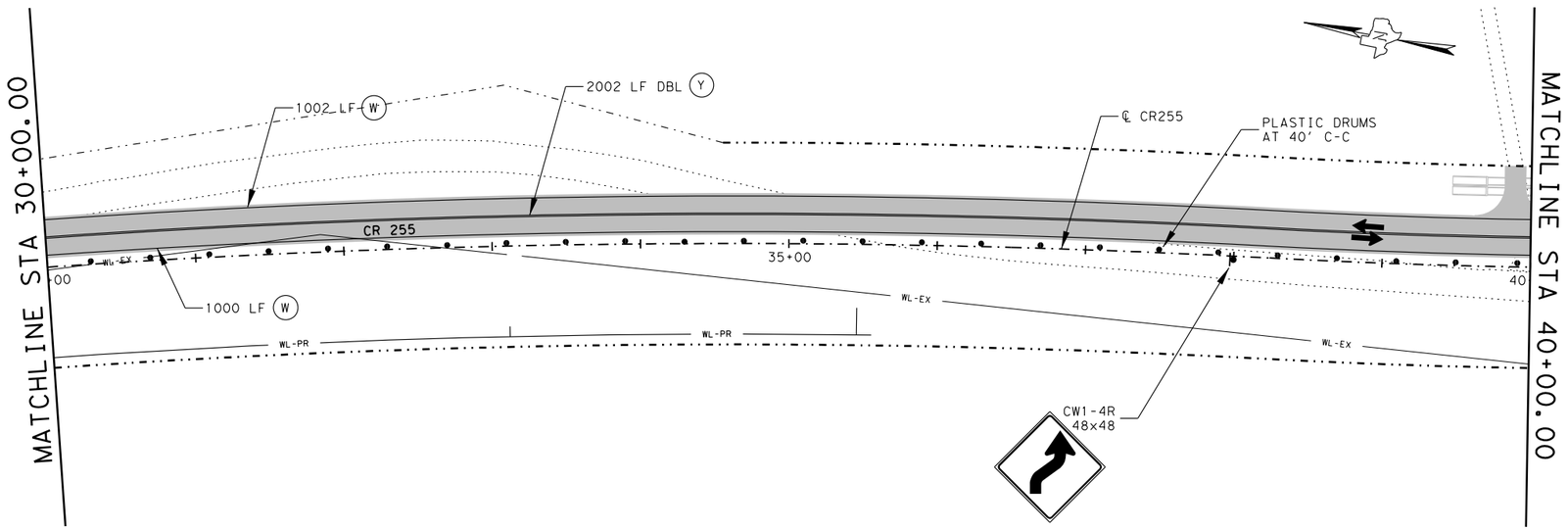
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
BEGIN TO STA 30+00

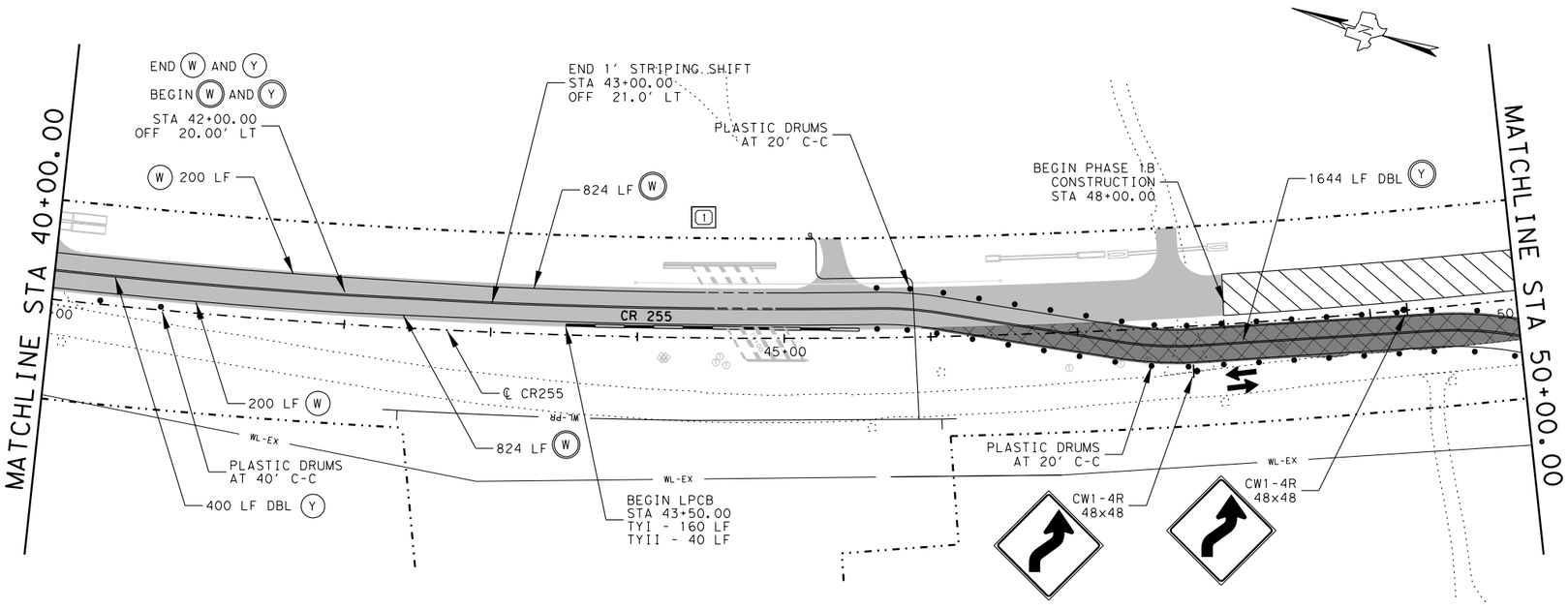
SHEET 1 OF 7

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			56

USER: korahoske
DATE: 11/6/2024 2:07
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jplot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE01B_TCP_01.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



ADDENDUM #2

0 50 100
SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- W — WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- W — WK ZN PAV MRK 4" W (SLD) (REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (REMOV)
- # — CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 30+00 TO STA 50+00

SHEET 2 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			57

USER: eguilierrez
DATE: 12/12/2024 3:40
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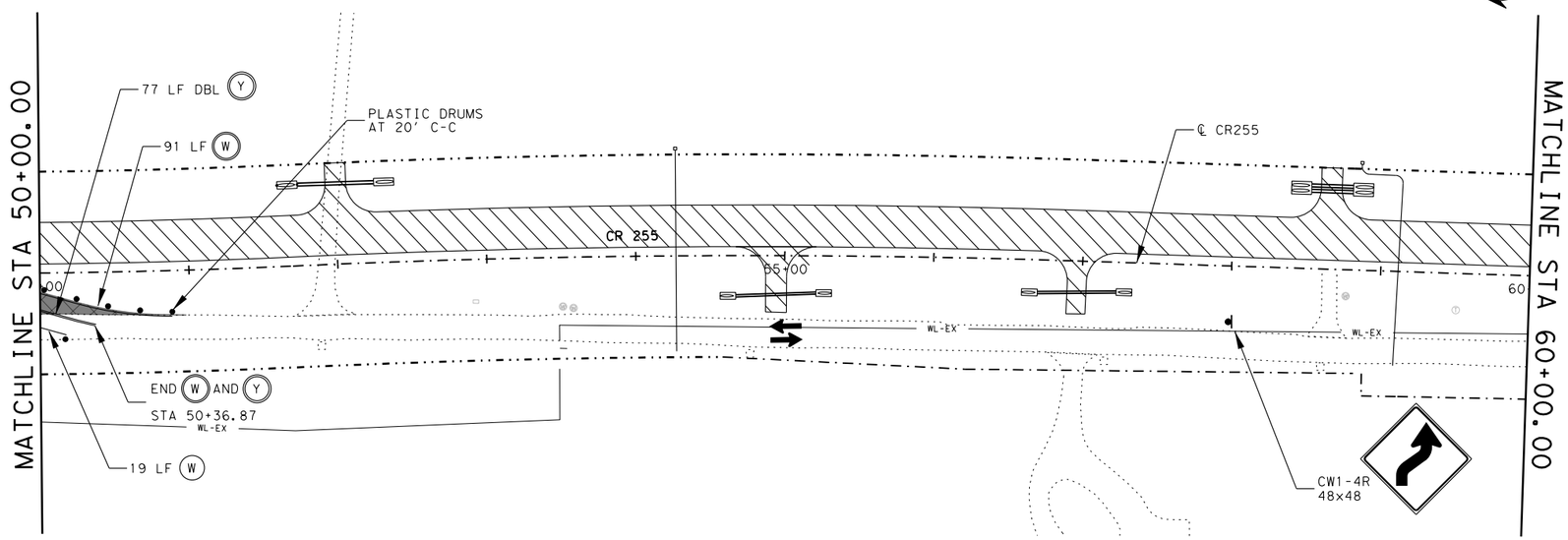
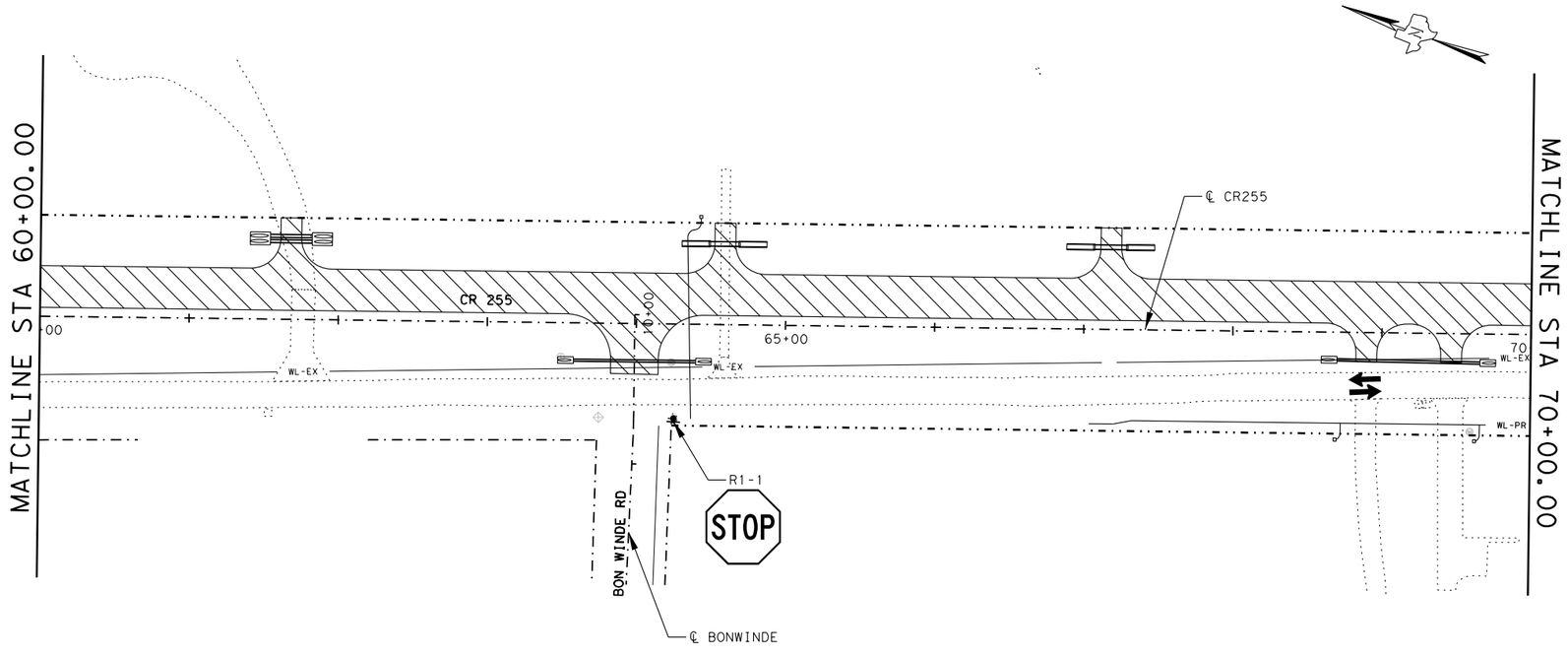
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE01B_TCP_02.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

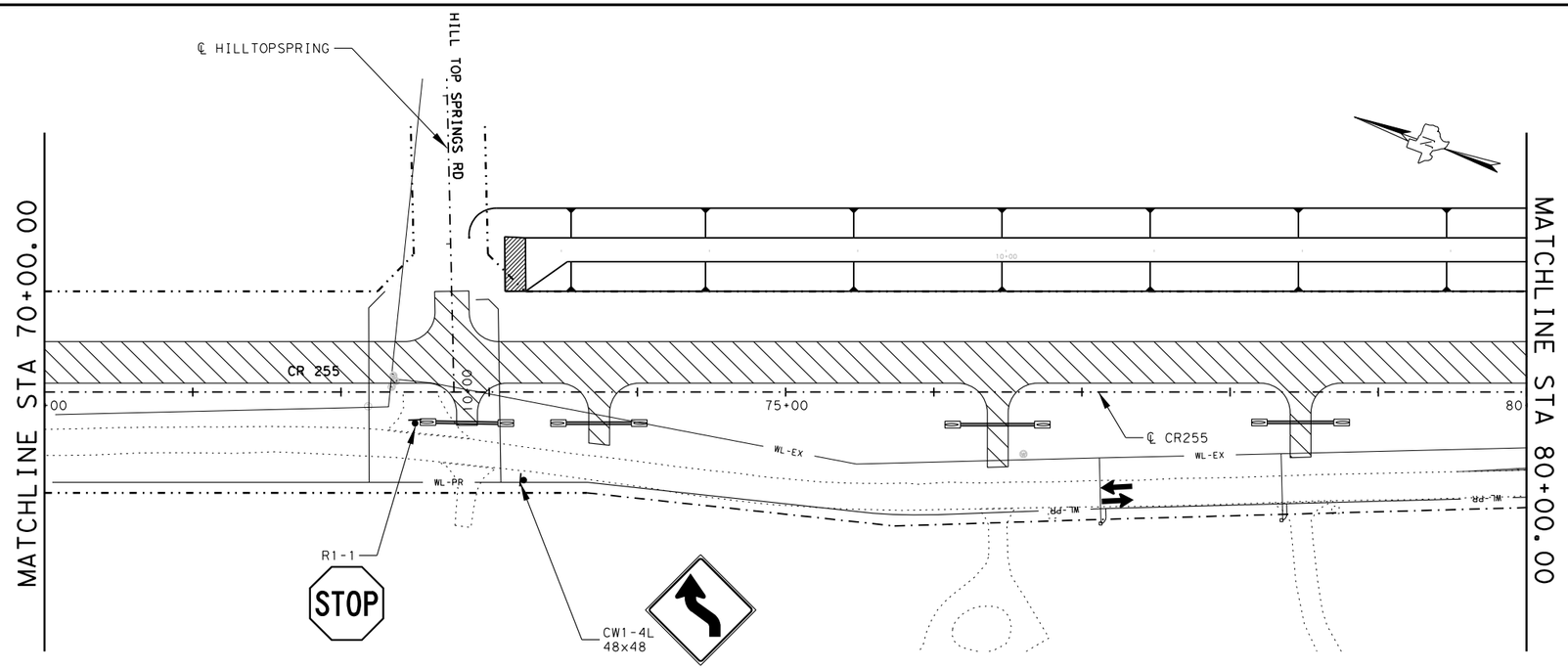
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 50+00 TO STA 70+00

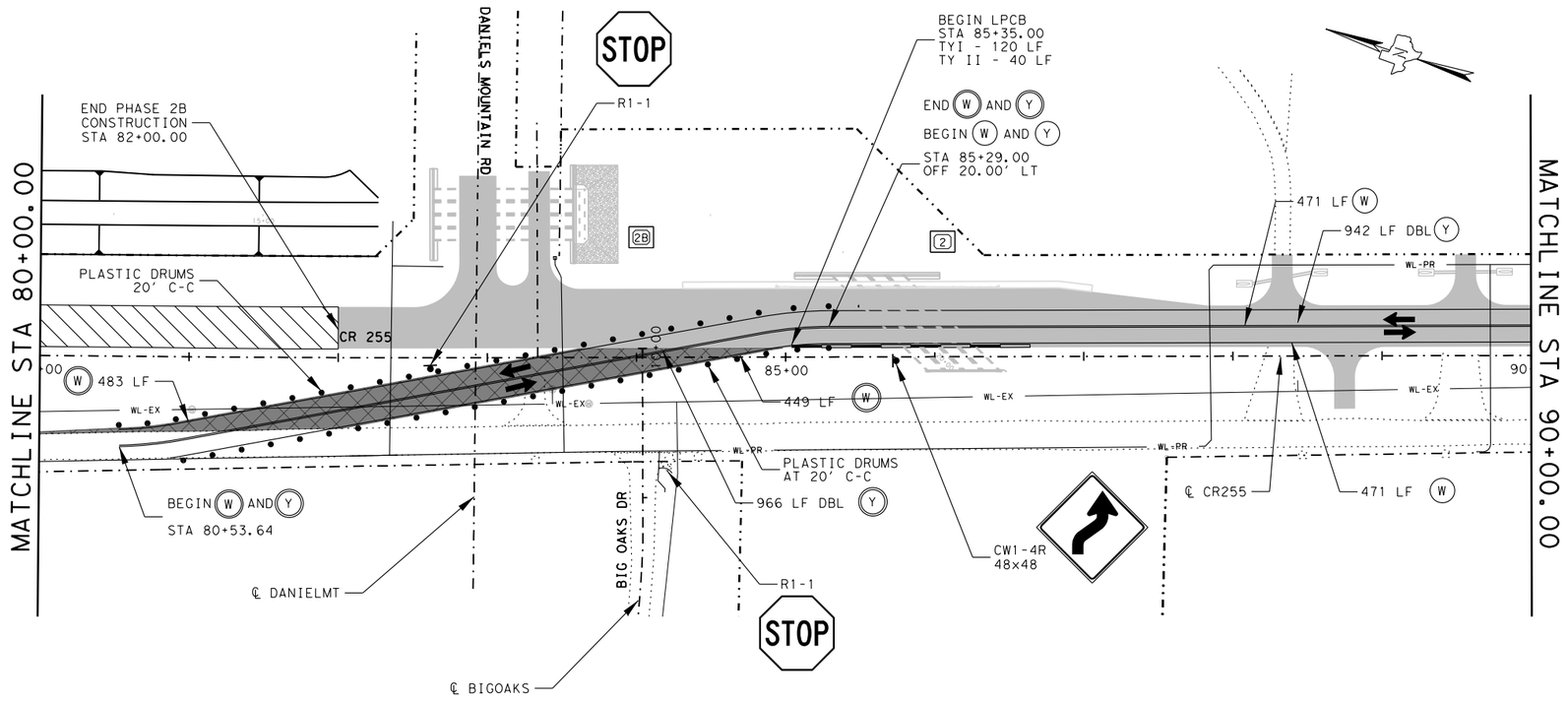
SHEET 3 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			58

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01B_TCP_03.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



ADDENDUM #2

0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 70+00 TO STA 90+00

SHEET 4 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			59

USER: eguillerrez
DATE: 12/12/2024 3:40
SCRIPT: pw:\\server.sllgeng.com:Sllg-ds\Documents\WILCO302-CR255_CR289\Design_Data\4 - Design\Misc\Miscellaneous\CR255_jobt.pen
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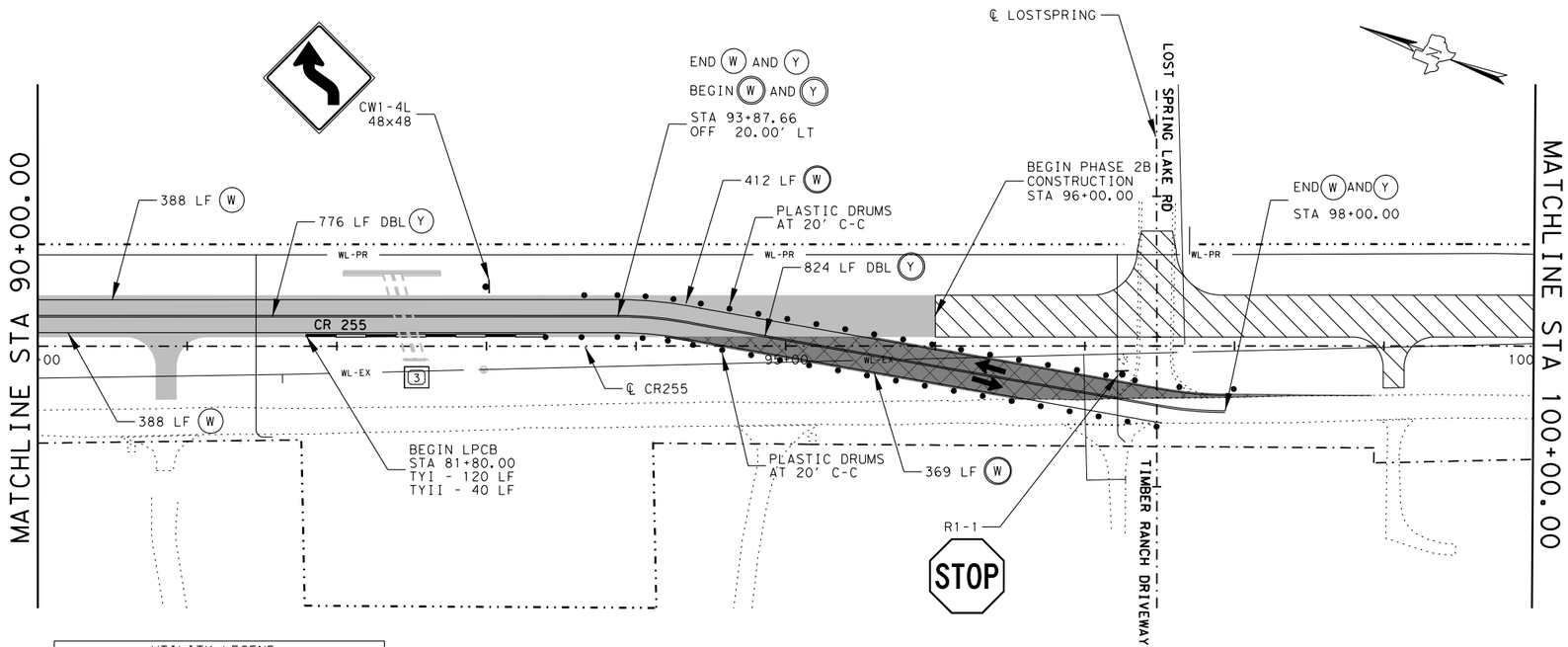
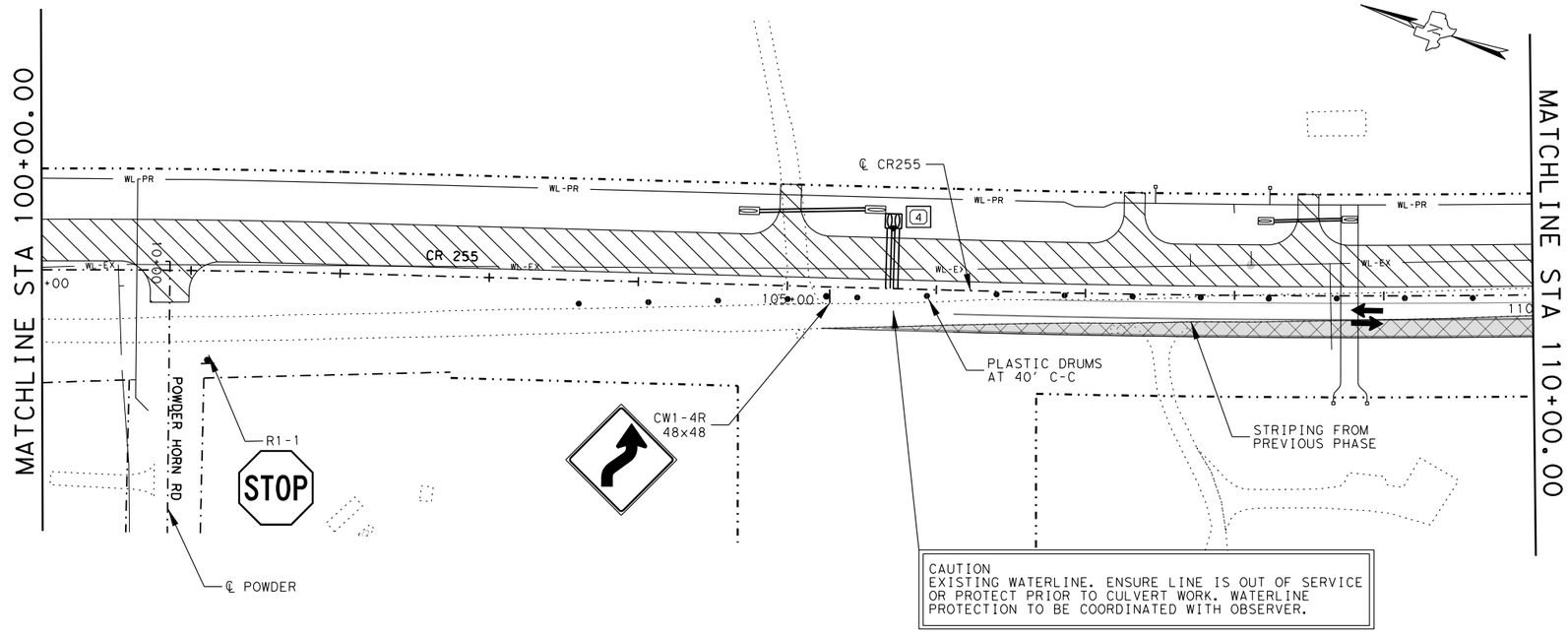


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



CAUTION
EXISTING WATERLINE. ENSURE LINE IS OUT OF SERVICE OR PROTECT PRIOR TO CULVERT WORK. WATERLINE PROTECTION TO BE COORDINATED WITH OBSERVER.

0 50 100
SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

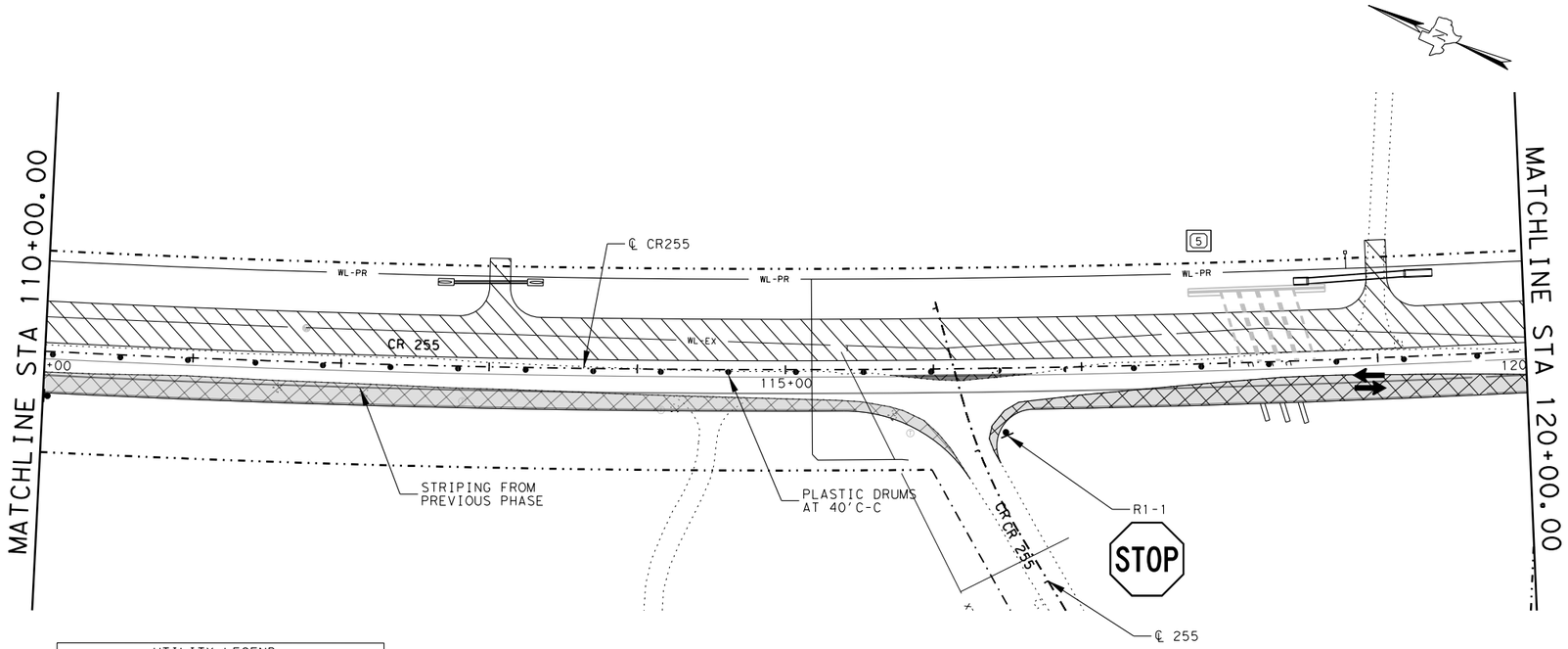
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 90+00 TO STA 110+00

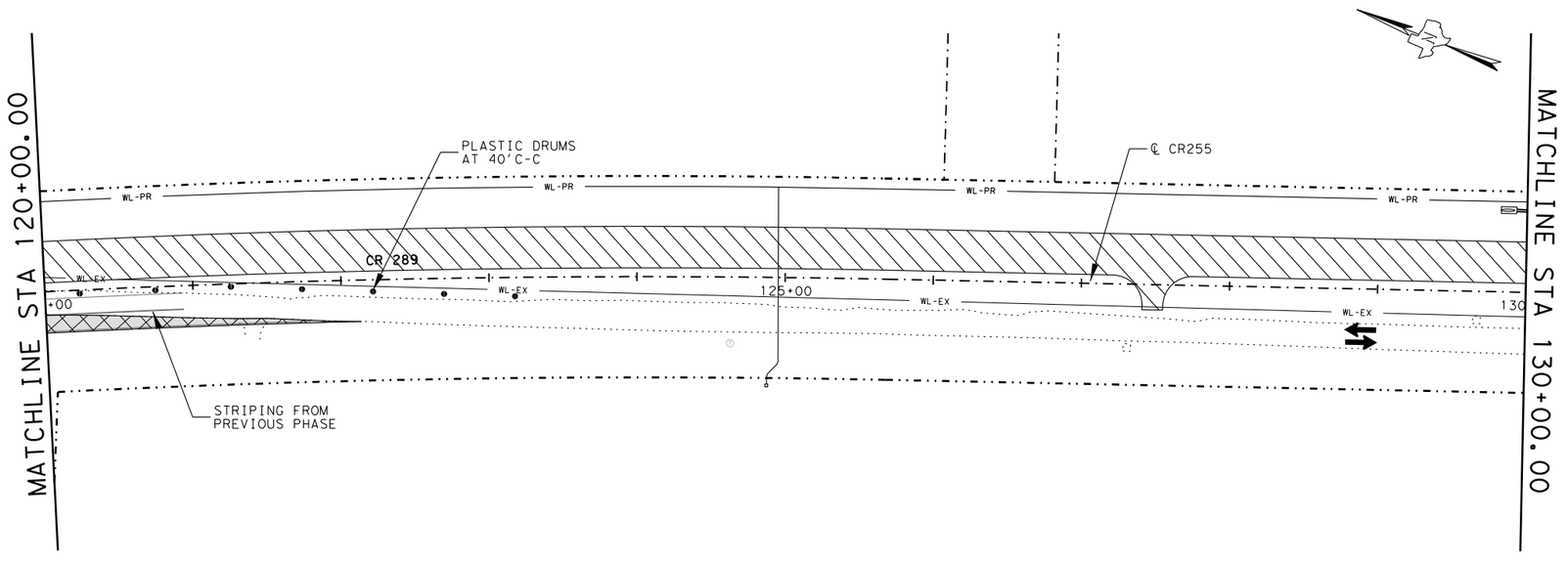
SHEET 5 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			60

USER: korahoske
DATE: 11/6/2024 2:07
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jobt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01B_TCP_05.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



0 50 100

SCALE: 1" = 100'

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
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LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

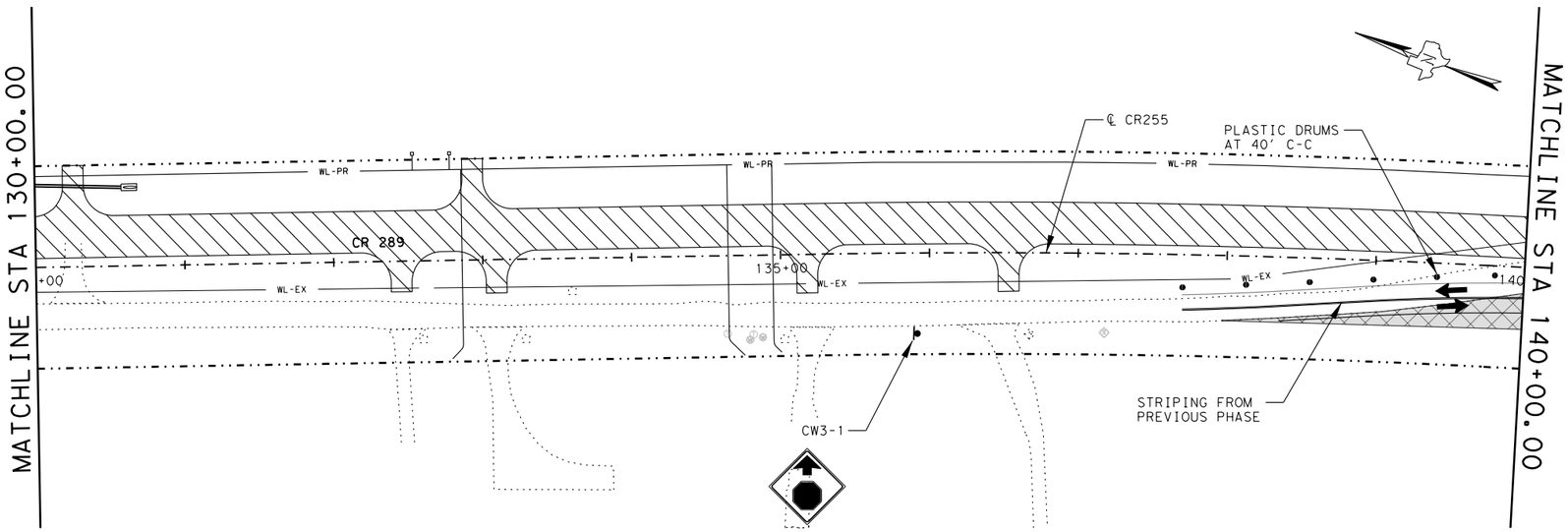
CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 110+00 TO STA 130+00

SHEET 6 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY		JOB No.	SHEET No.
CHECKED:	WILLIAMSON			61

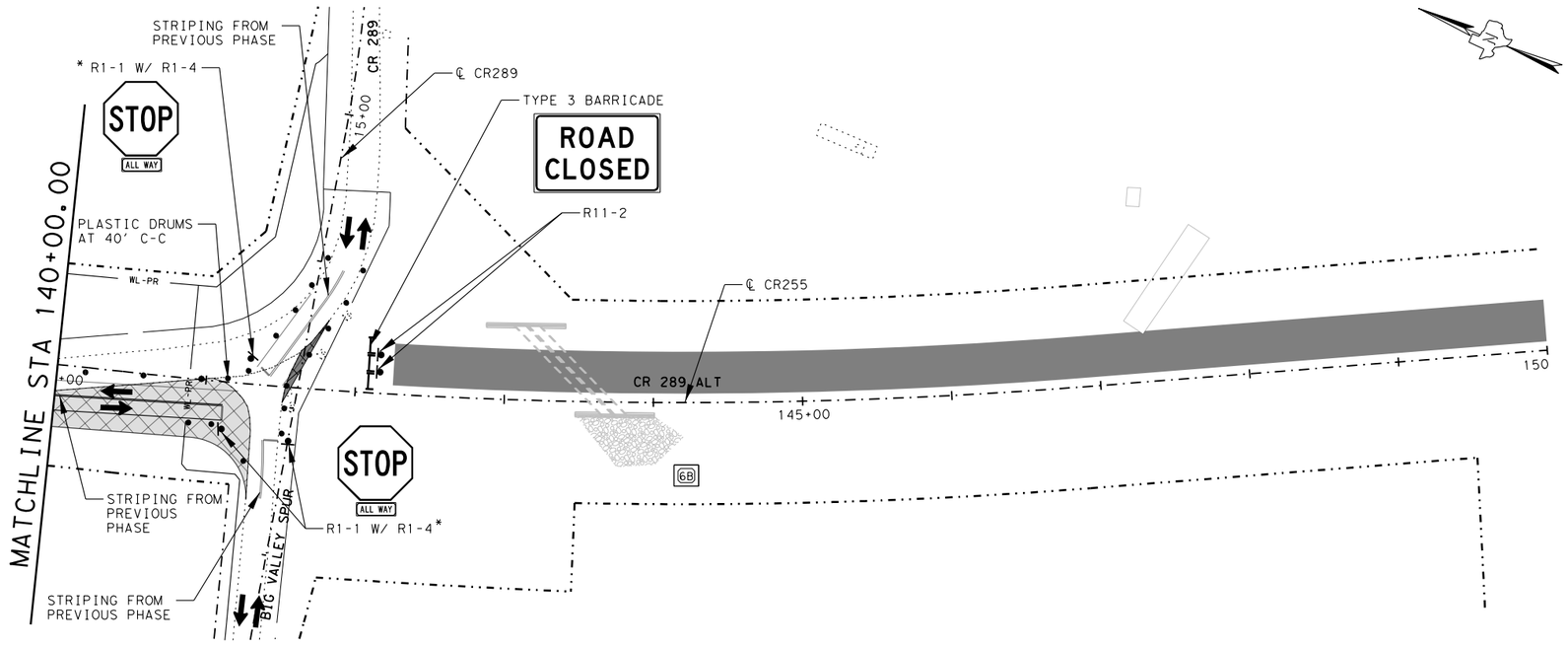
USER: korallnoske
DATE: 11/6/2024
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Miscellaneous\CR255_plot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data\4 - Design\Plan_Set\02. TCP\CR255_PHASE01B_TCP_06.dgn

0 50 100
SCALE: 1" = 100'



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE

* PLACE CW3-1 STOP AHEAD SIGN 500' IN ADVANCE



* PLACE CW3-1 STOP AHEAD SIGN 500' IN ADVANCE

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD) (REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD) (REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

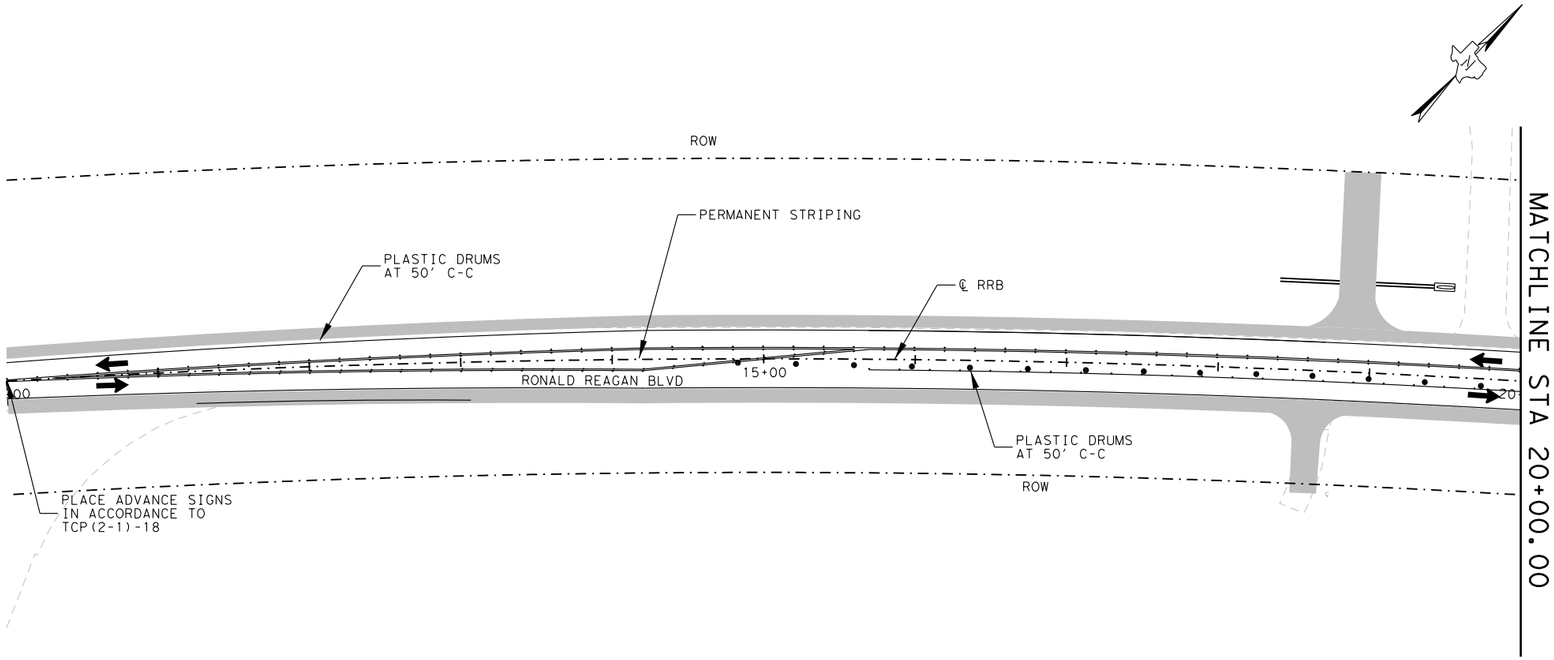
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2B
STA 130+00 TO STA 150+00

SHEET 7 OF 7

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			62

USER: korahoske
DATE: 11/6/2024 2:07
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jplot.pen
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE01B_TCP_07.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- WK ZN PAV MRK 4" W (SLD)(REMOV)
- WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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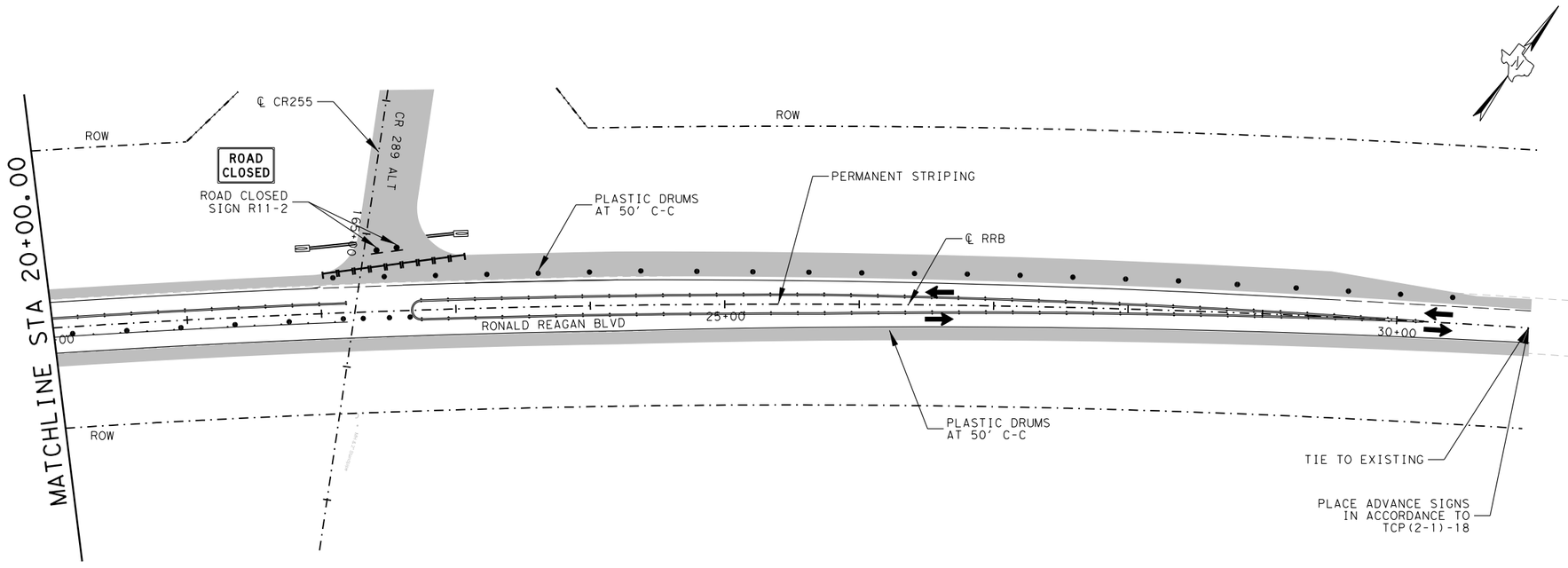

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
RONALD REAGAN BLVD
TRAFFIC CONTROL PLAN
PHASE 2B
BEGIN TO END

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			63

USER: korahoske
DATE: 11/6/2024 2:07
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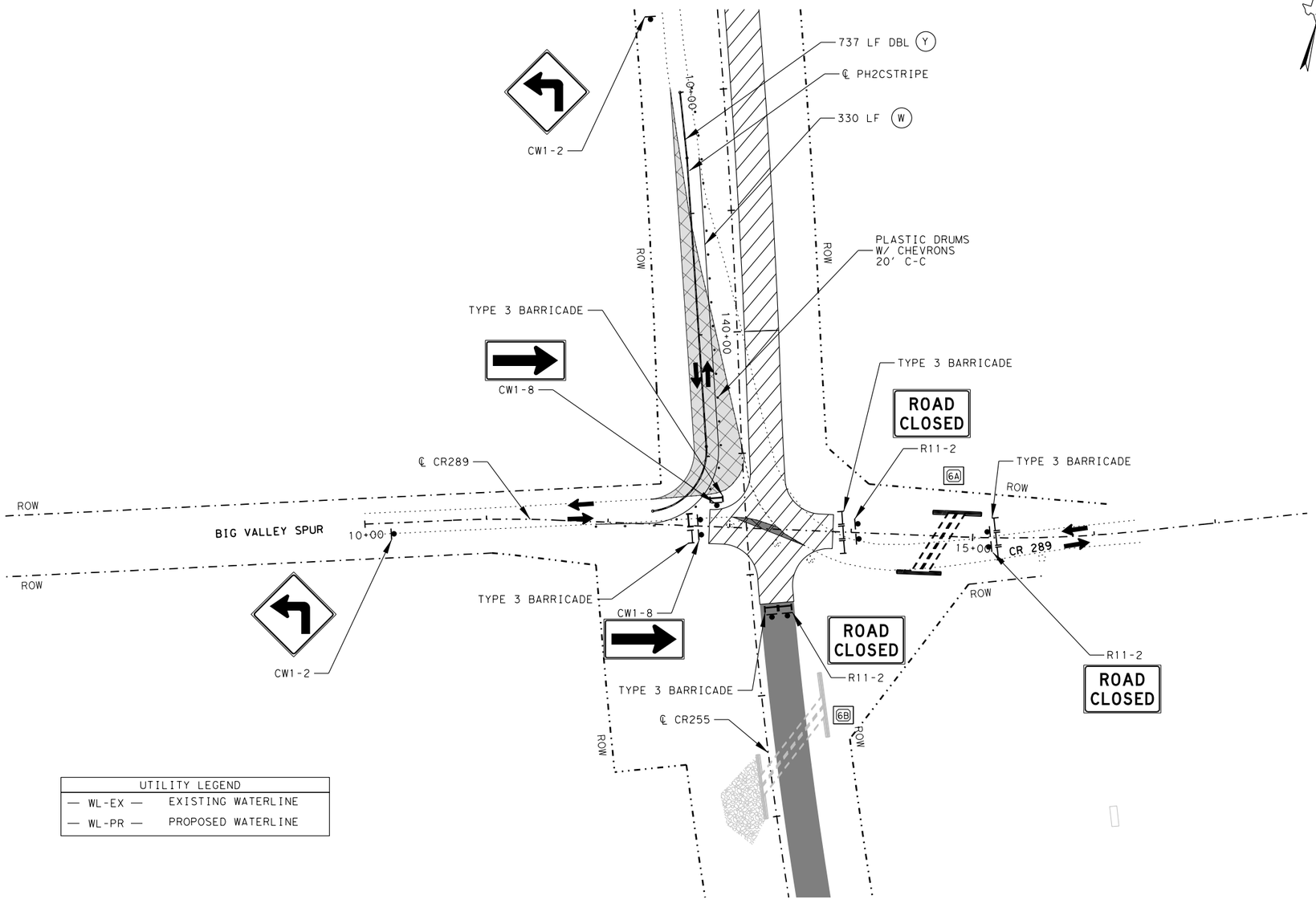
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/RR_PHASE01B_TCP_01.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

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WILLIAMSON COUNTY
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INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 2C
AT CR 255/CR 289
INTERSECTION

SHEET 1 OF 1

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			64

USER: korahoske
DATE: 11/6/2024 2:07
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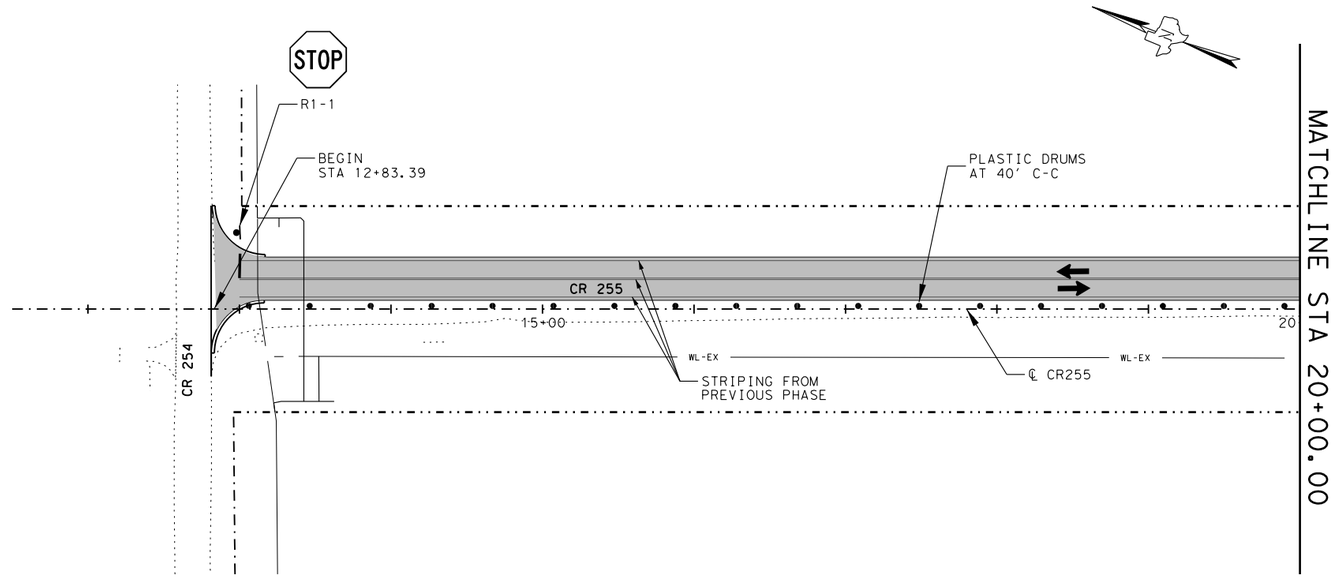
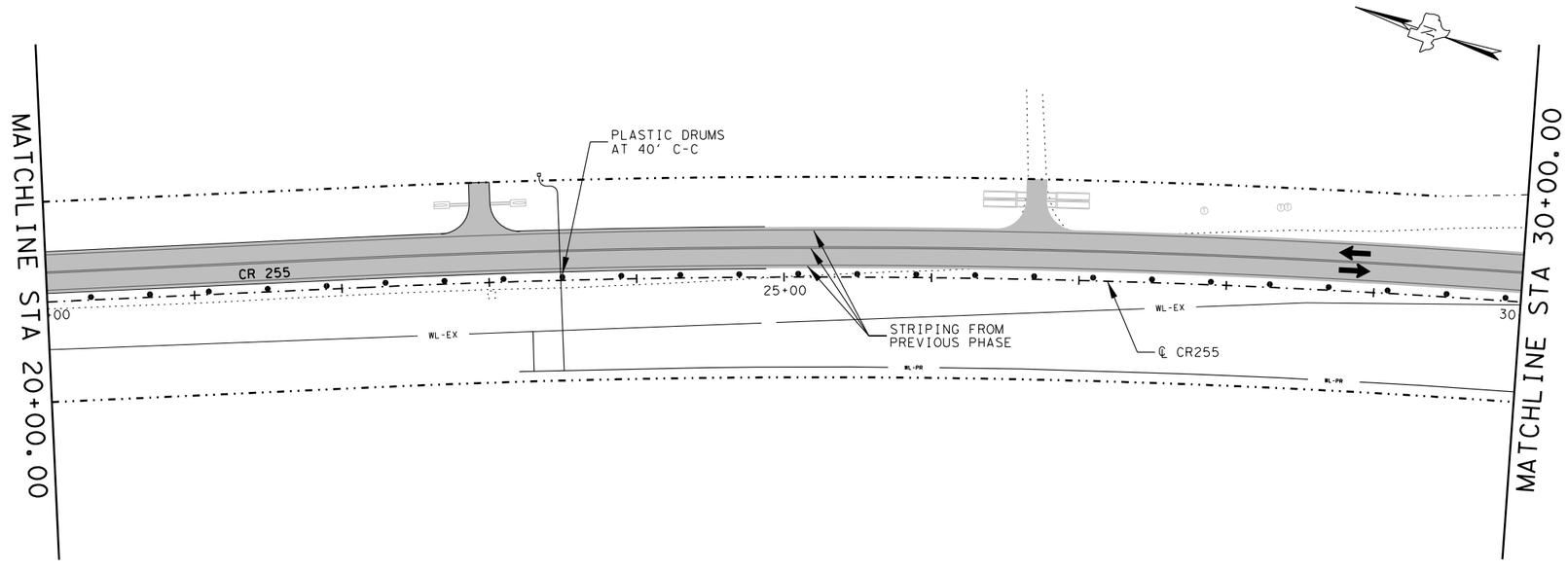
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR289_PHASE_01C_TCP_01.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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WILLIAMSON COUNTY
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TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 3
BEGIN TO STA 30+00

SHEET 1 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			65

USER: koralhoske
DATE: 11/6/2024 2:08
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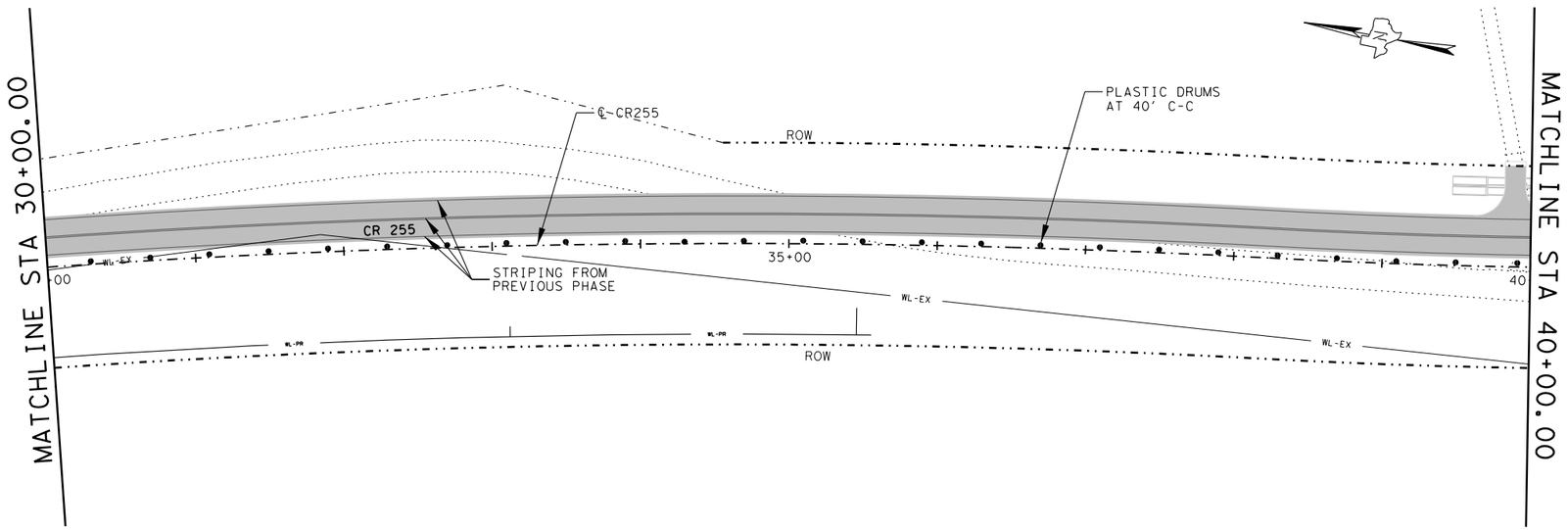
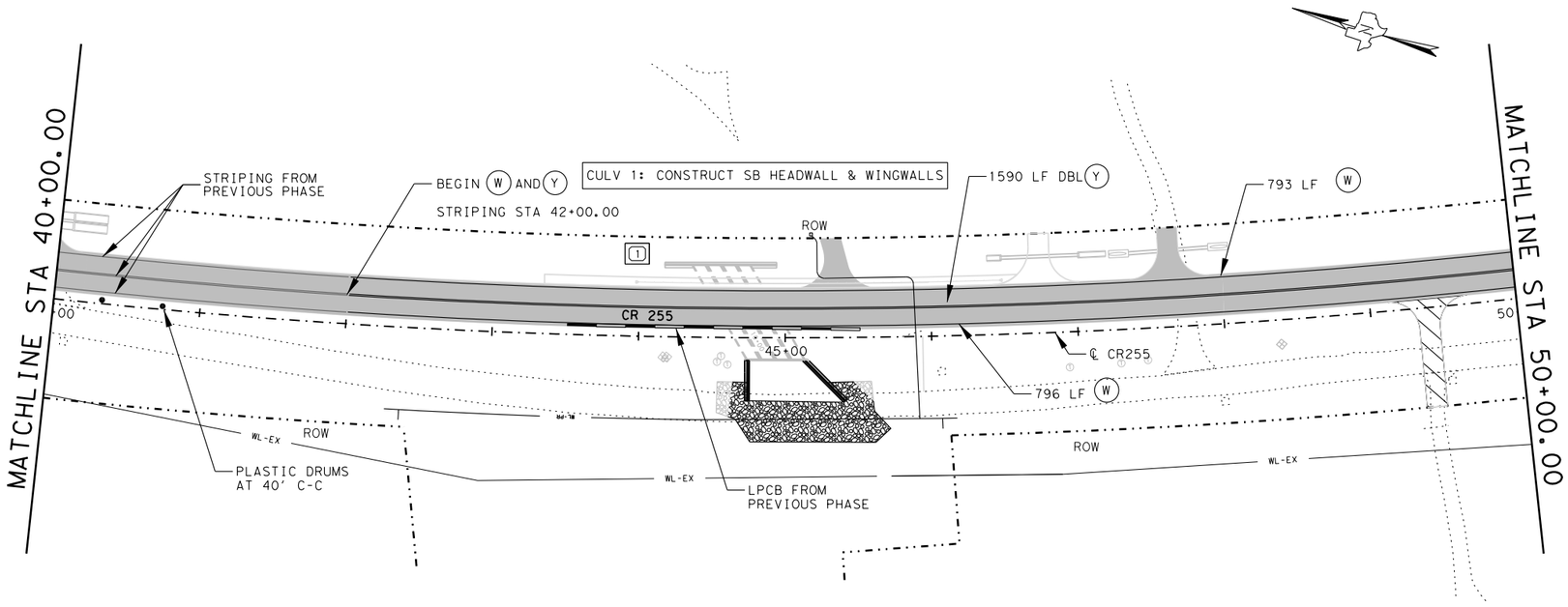
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE02_TCP_01.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



ADDENDUM #2

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 30+00 TO STA 50+00

SHEET 2 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			66

USER: eguillerrez
DATE: 12/12/2024 3:41
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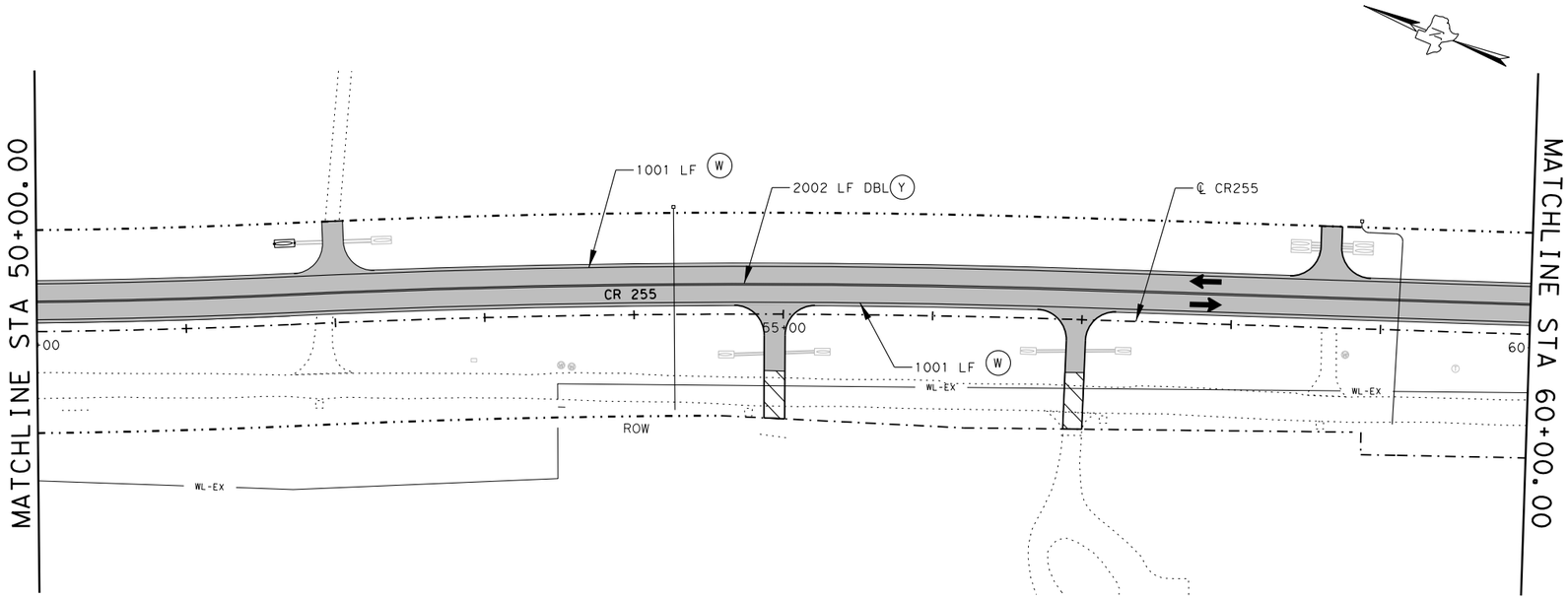
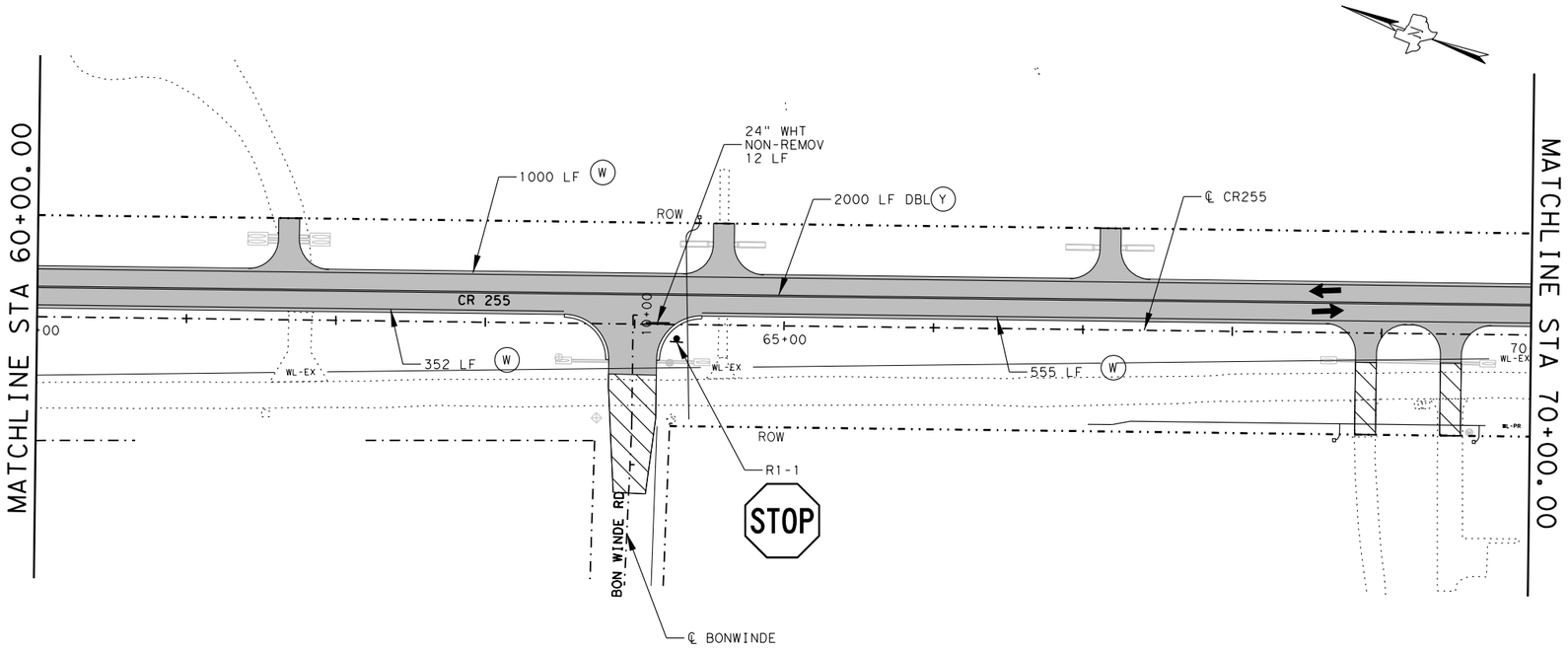
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02.TCP/CR255_PHASE02_TCP_02.dgn



UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- WK ZN PAV MRK 4" W (SLD) (REMOV)
- WK ZN PAV MRK 4" Y (SLD) (REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 50+00 TO STA 70+00

SHEET 3 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			67

USER: korahoske
DATE: 11/6/2024 2:08
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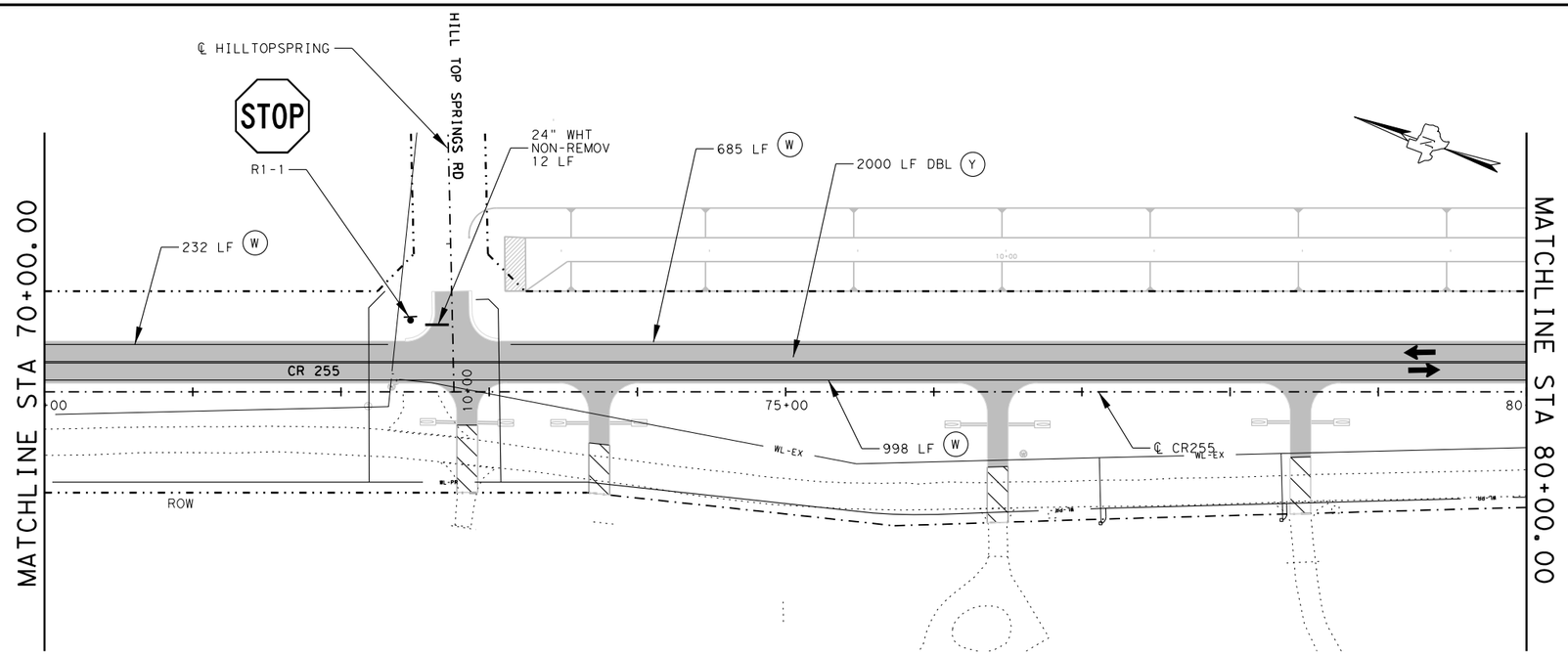

UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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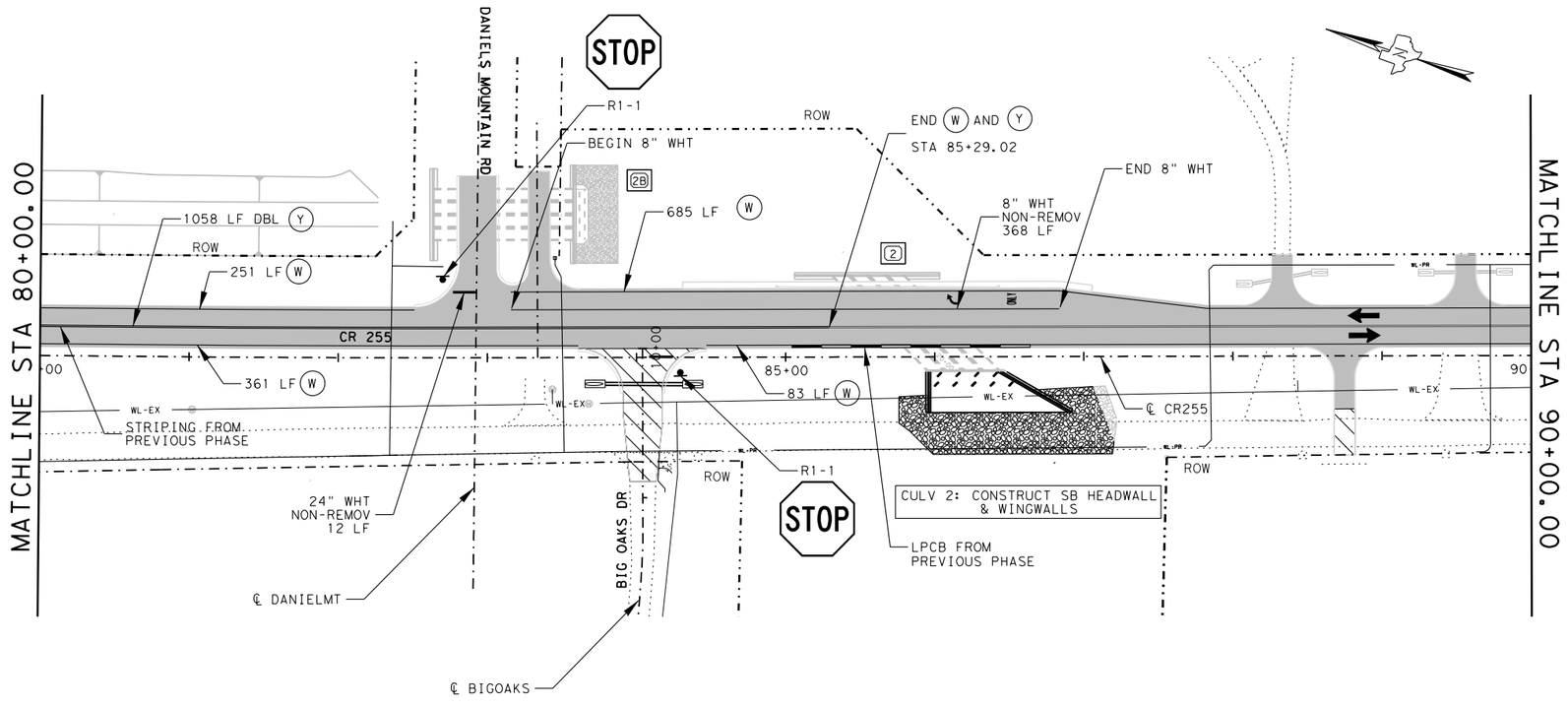


ADDENDUM #2

GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
12/12/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

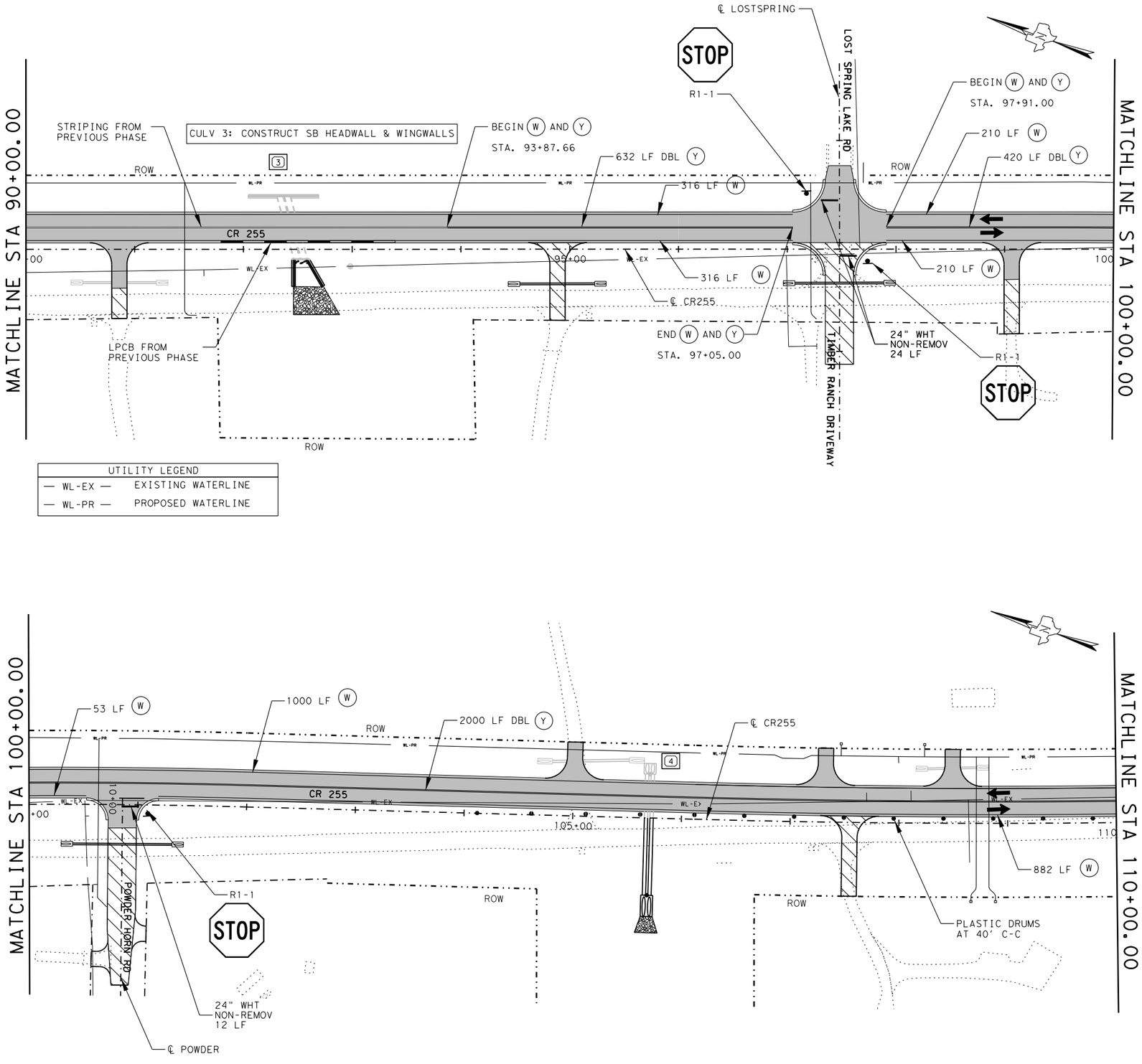
Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 70+00 TO STA 90+00

SHEET 4 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			68

USER: egutierrez
DATE: 12/12/2024 3:41
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Misc/Miscellaneous/CR255_plot.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE02_TCP_04.dgn



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

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STATE OF TEXAS
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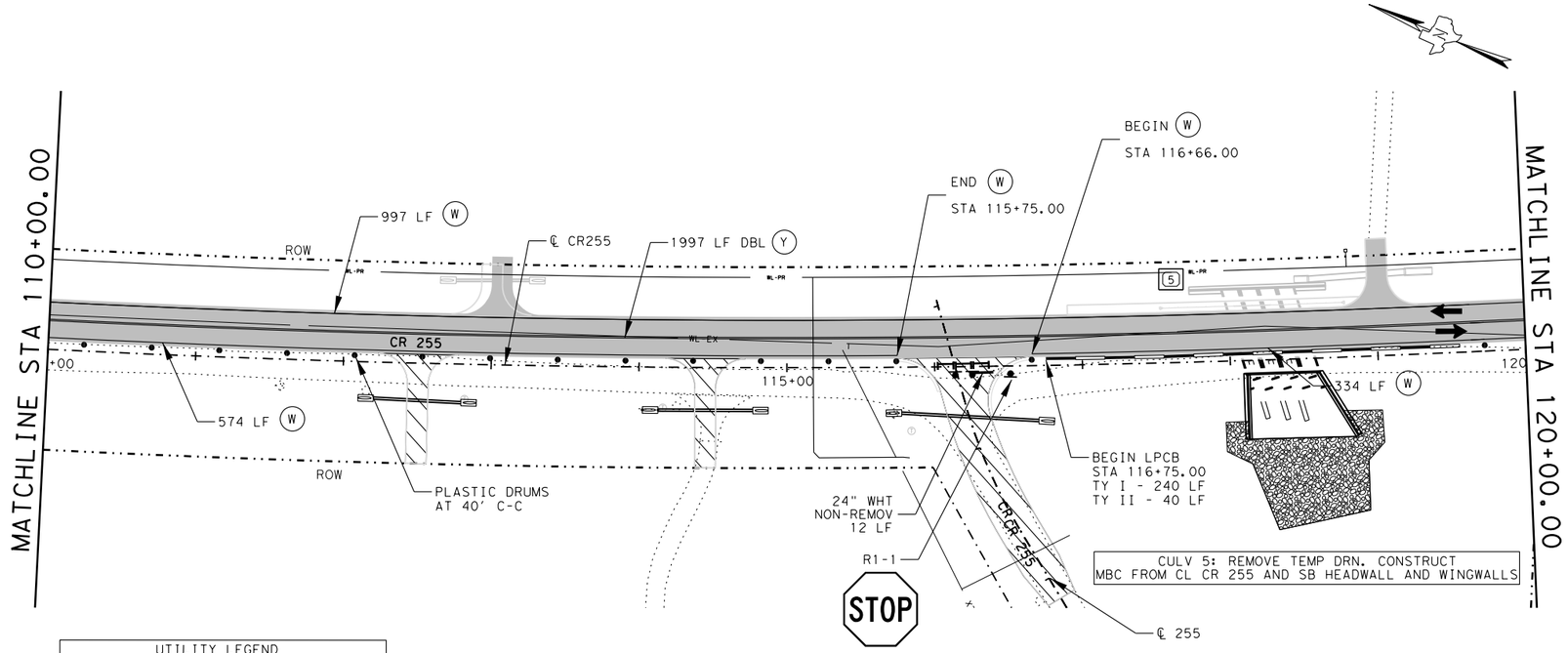
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 90+00 TO STA 110+00

SHEET 5 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			69

USER: korahoske
DATE: 11/6/2024 2:08
SCRIPT: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jobt.pen
FILE: pw://server.sllgeng.com:Sllg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/CR255_PHASE02_TCP_05.dgn



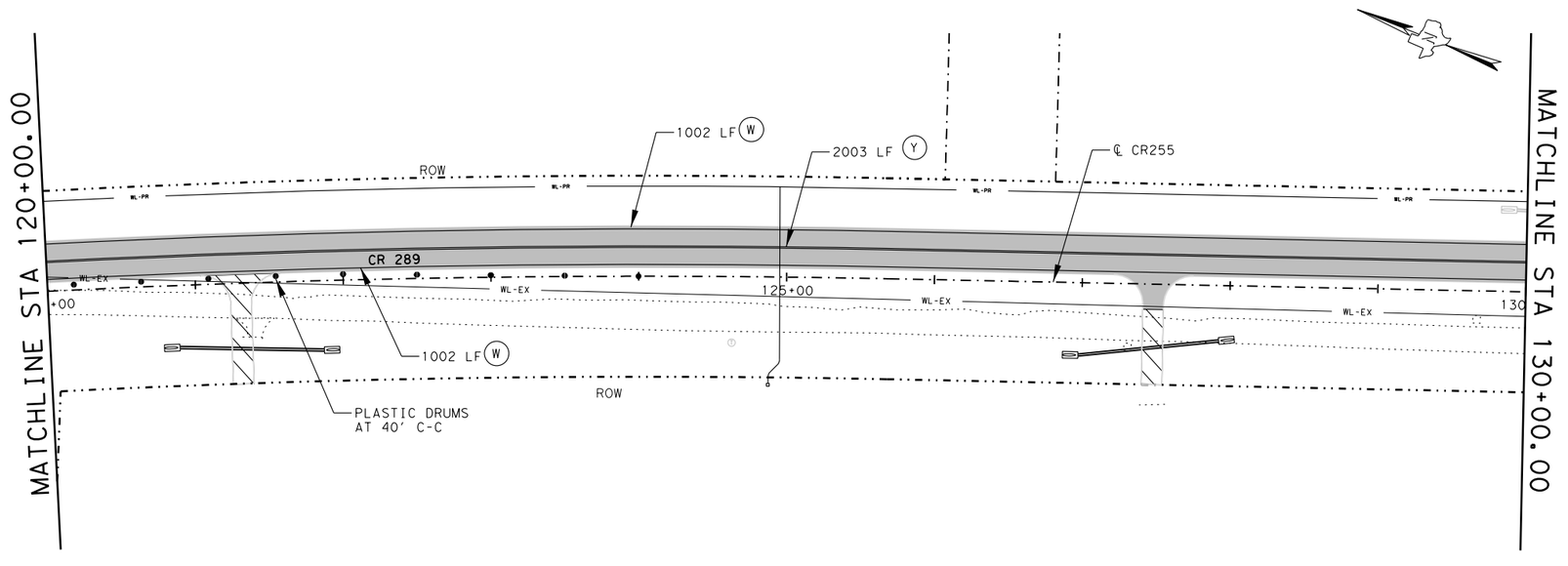
UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.



ADDENDUM #2

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
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CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 110+00 TO STA 130+00

SHEET 6 OF 8

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			70

USER: eguillemez
DATE: 12/12/2024 3x42
SCRIPT: pw://server.slg-eng.com:Slg-dis/Documents/WILCO002-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_plot.pen
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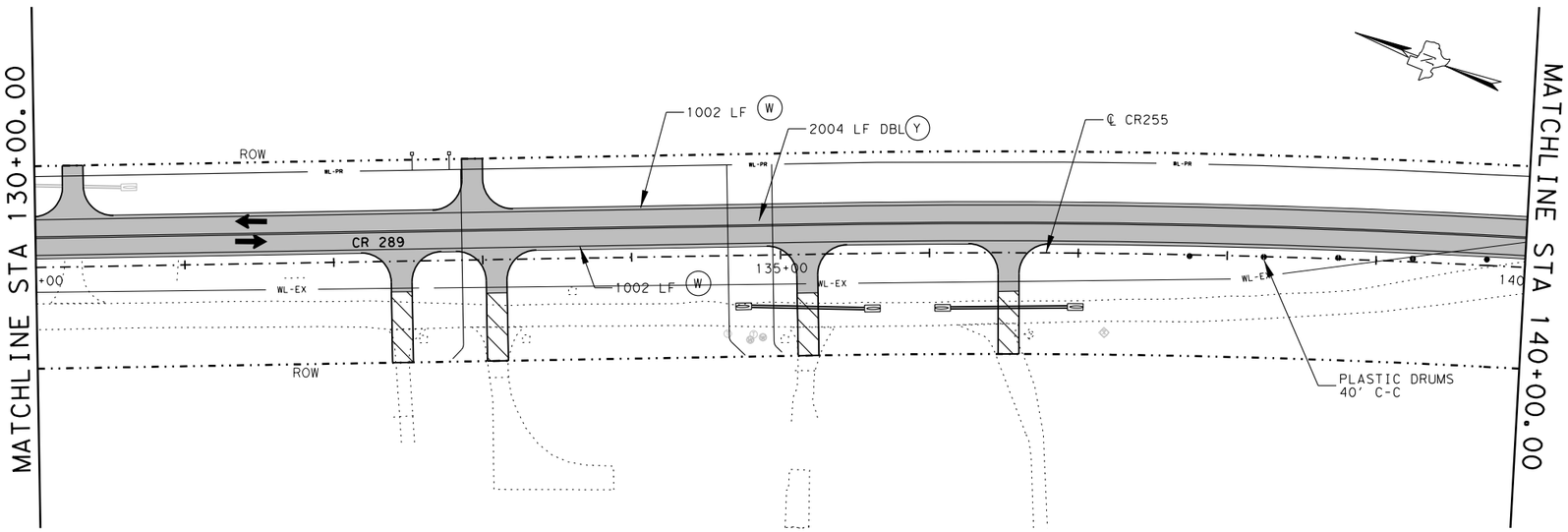
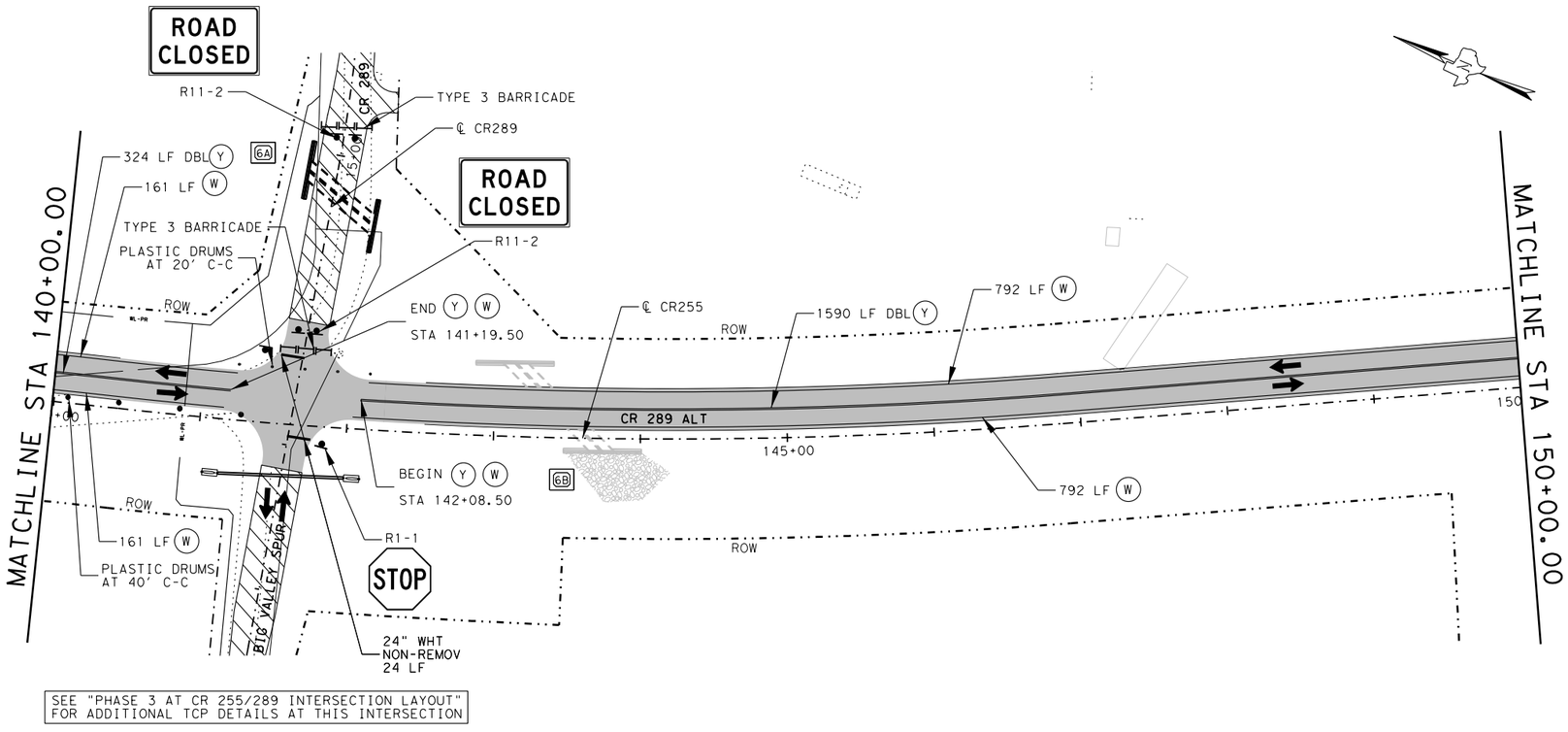


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



SEE "PHASE 3 AT CR 255/289 INTERSECTION LAYOUT"
FOR ADDITIONAL TCP DETAILS AT THIS INTERSECTION

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- W — WK ZN PAV MRK 4" W (SLD) (NON REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (NON REMOV)
- W — WK ZN PAV MRK 4" W (SLD) (REMOV)
- Y — WK ZN PAV MRK 4" Y (SLD) (REMOV)
- # — CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 130+00 TO STA 150+00

SHEET 7 OF 8

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			71

USER: korahoske
DATE: 11/6/2024 2:08
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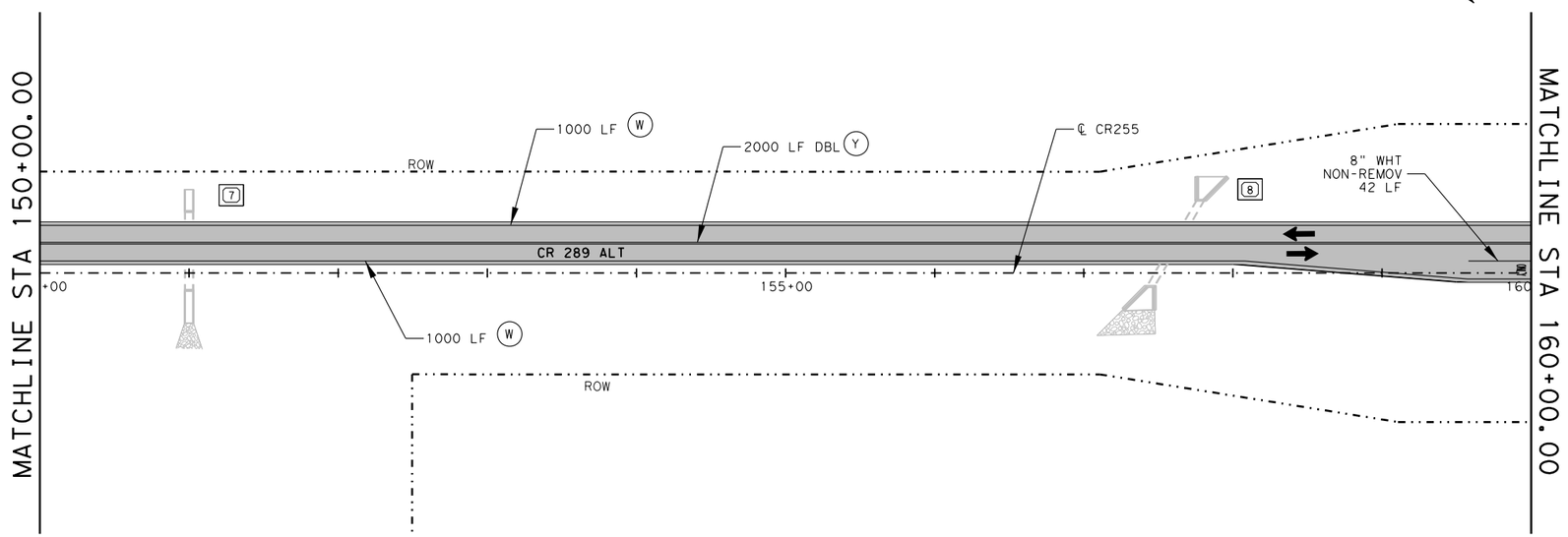
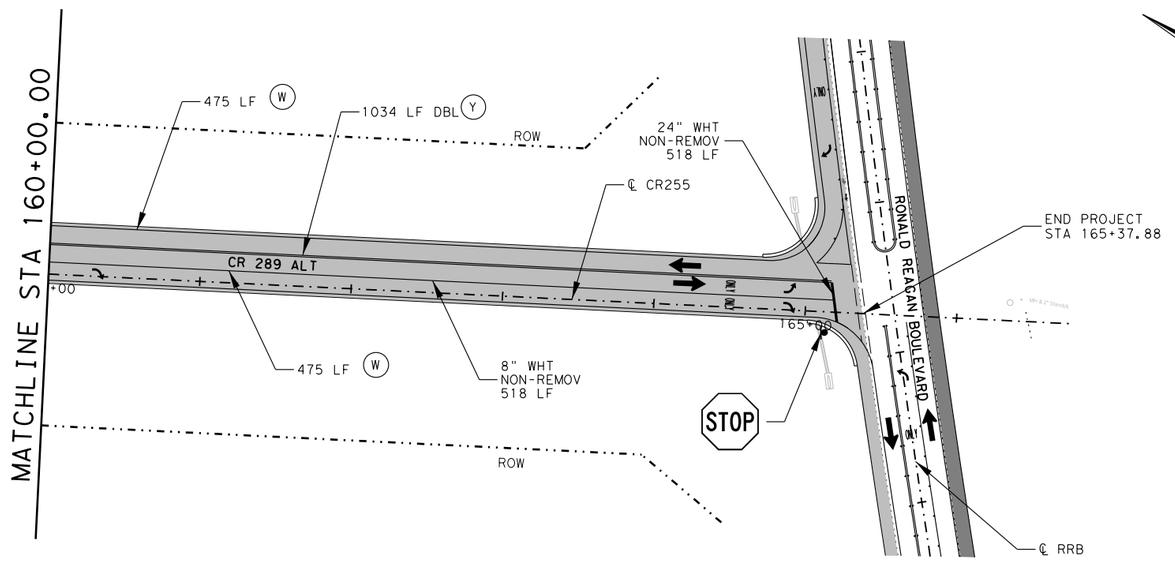


UTILITY LEGEND	
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE



LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK 4" W (SLD)(NON REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(NON REMOV)
- (W) WK ZN PAV MRK 4" W (SLD)(REMOV)
- (Y) WK ZN PAV MRK 4" Y (SLD)(REMOV)
- (#) CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION.
2. WORK WILL ONLY BE PERMITTED ON ONE TCP OR STEP, EXCEPT AS SHOWN ON TCP SEQUENCE OF CONSTRUCTION, AT A TIME, UNLESS APPROVED BY THE CONSTRUCTION OBSERVER.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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CR 255
TRAFFIC CONTROL PLAN
PHASE 3
STA 150+00 TO END

SHEET 8 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			72

USER: korahoske
DATE: 11/6/2024 2:08
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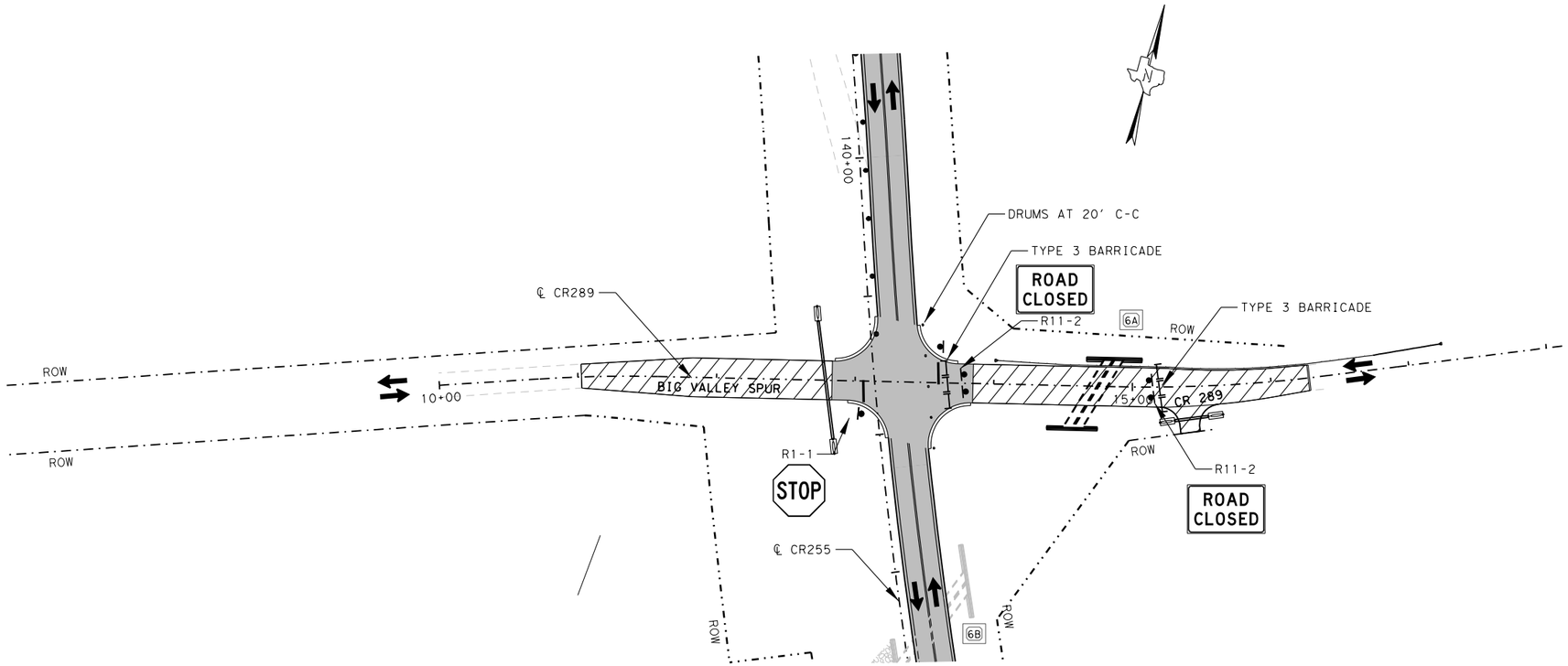

LEGEND

- PERMANENT ROADWAY CONSTRUCTION THIS PHASE
- PERMANENT ROADWAY CONSTRUCTION PREVIOUS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTION PREVIOUS PHASE
- OBLITERATION
- TRAFFIC FLOW ARROW
- TYPE 3 BARRICADE
- VERTICAL PANEL
- PLASTIC DRUM
- CONSTRUCTION WARNING SIGN
- (W) WK ZN PAV MRK NON REMOV (RAF BTN) TY W
- (Y) WK ZN PAV MRK NON REMOV (RAF BTN) TY Y
- CROSS CULVERT NUMBER

NOTES:

1. REFER TO TCP STANDARDS AND TCP DETAIL SHEETS FOR ADDITIONAL INFORMATION ON TCP CONFIGURATONS.
2. CONSTRUCTION WILL ONLY BE PERMITTED ON ONE SIDE OF THE ROAD AT A TIME.
3. CONSTRUCTION ENTRANCE AND EXIT LOCATIONS TO BE DETERMINED BY CONSTRUCTION OBSERVER.

CR 289, EAST OF THE ROAD CLOSED BARRICADES, WILL BE CONSTRUCTED WHILE MAINTAINING ACCESS TO THE DRIVEWAY AT STA 15+40.00 AT ALL TIMES.

RECONSTRUCT BIG VALLEY DRIVE, WEST OF CR 255, WHILE MAINTAINING A MINIMUM OF ONE LANE, FOR TWO-WAY TRAFFIC, OPEN AT ALL TIMES.

REFER TO TCP STANDARD TCP (2-8)-23 FOR TCP DETAILS FOR ONE-LANE, TWO-WAY OPERATIONS.

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GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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CR 255
TRAFFIC CONTROL PLAN
PHASE 3
AT CR 255/289
INTERSECTION LAYOUT

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			73

USER: korahoske
DATE: 11/6/2024 2:08
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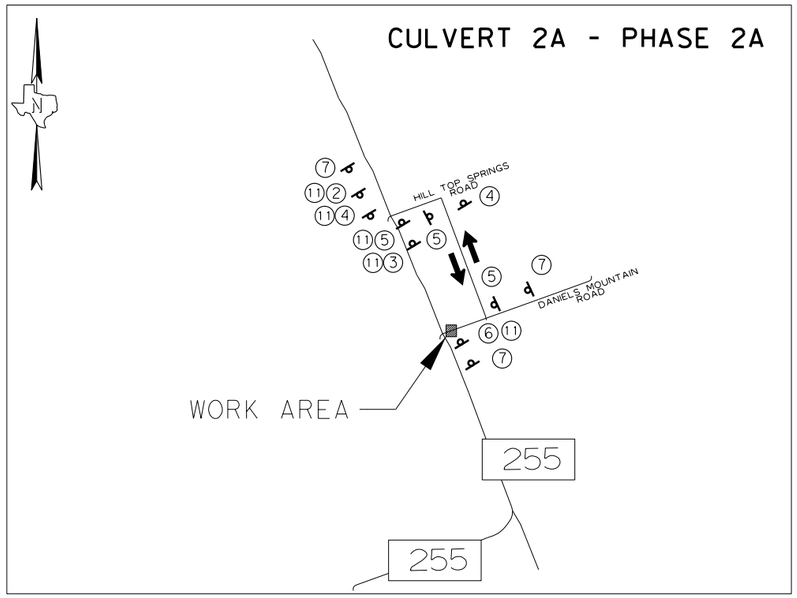
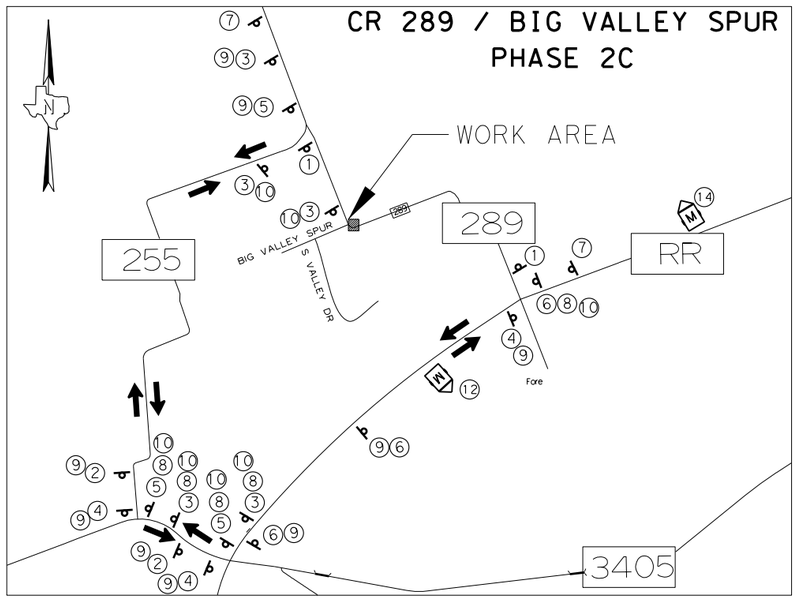
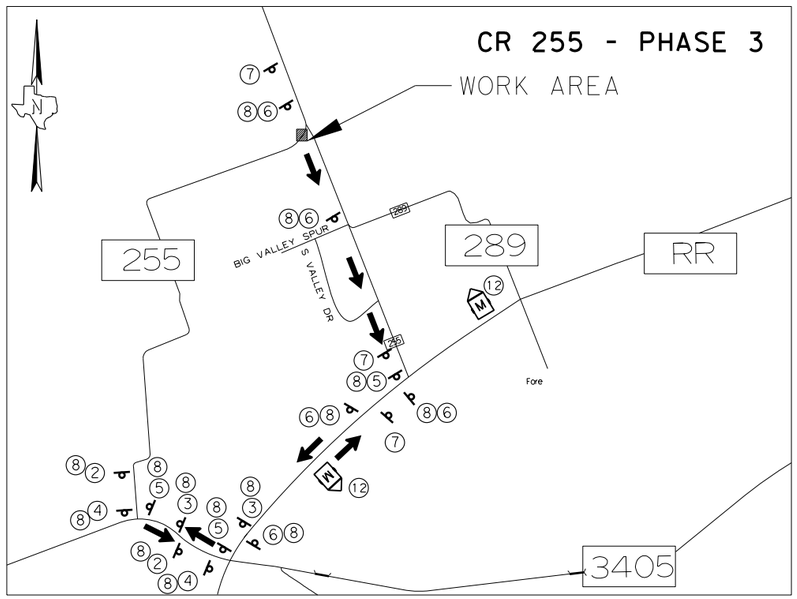
CULVERT 2A - PHASE 2A



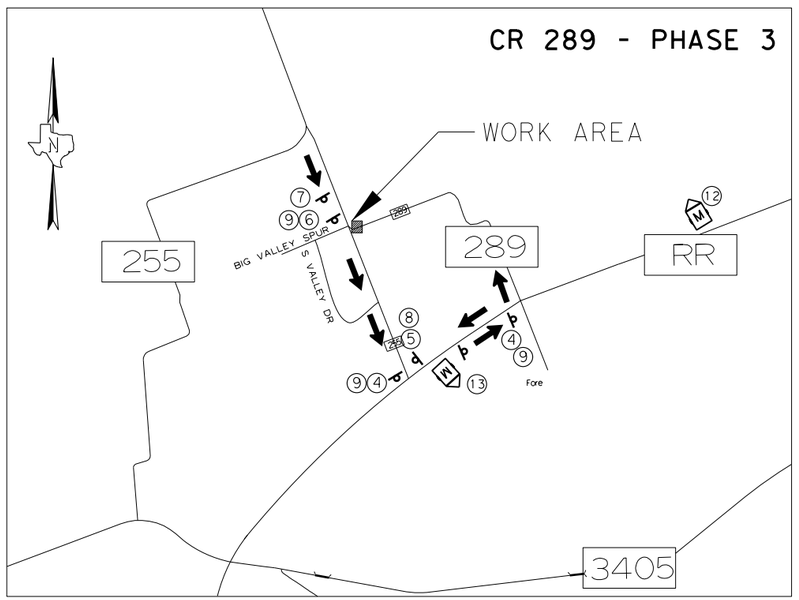
CR 289 / BIG VALLEY SPUR PHASE 2C



CR 255 - PHASE 3



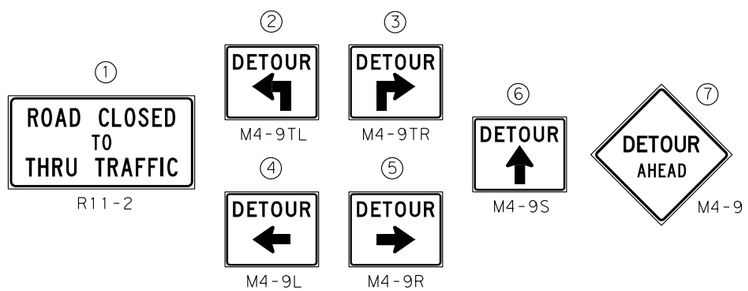
CR 289 - PHASE 3



TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC FLOW
- SIGN SUPPORT
- PORTABLE CHANGEABLE MESSAGE SIGN

N. T. S.



STATE OF TEXAS
GERALD A. LANKES
107484
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11/6/2024

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WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

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CR 255 TRAFFIC CONTROL PLAN PROJECT DETOUR PLANS

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			74

USER: korahoske
DATE: 11/6/2024 2:08
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FILE: pw://server.slg-eng.com:Slg-eis/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/TL_TCP_Detours.dgn

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DATE: 11/6/2024
FILE: pw://server.slq-eng.com:Slq-ds/Documents/WILCO302-CR255•CR289/Design•Data/4 - Design/Plan•Set/02. TCP/Standards/bc-21(1).dgn

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

2. The development and design of the Traffic Control Plan (TCP)is the responsibility of the Engineer.

3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.

10. Where highway construction or maintenance work is being undertaken, other than mobile operations as defined by the Texas Manual on Uniform Traffic Control Devices, CSJ limit signs are required. CSJ limit signs are shown on BC(2). The OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits. For mobile operations, CSJ limit signs are not required.

11. Traffic control devices should be in place only while work is actually in progress or a definite need exists.

12. The Engineer has the final decision on the location of all traffic control devices.

13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.

2. Except in emergency situations, flagger stations shall be illuminated when flagging is used at night.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

1. Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources.

2. Work zone traffic control devices shall be compliant with the Manual for Assessing safety Hardware (MASH).

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-03 7-13				CR 255
9-07 8-14	DIST	COUNTY		SHEET NO.
5-10 5-21	AUS	WILLIAMSON		75

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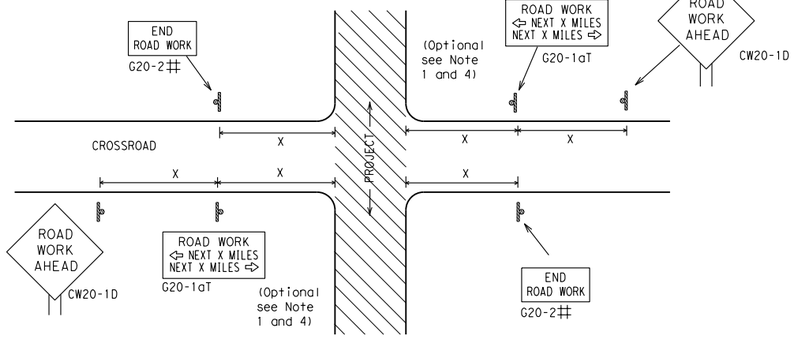
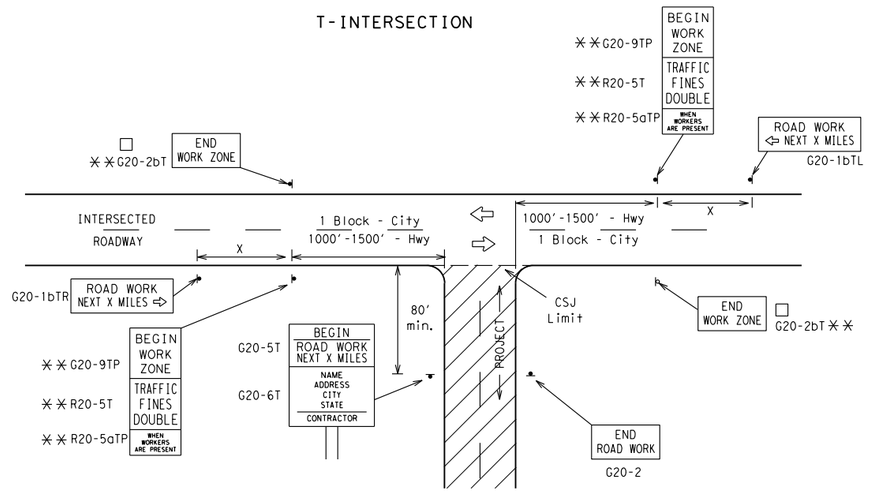
TYPICAL LOCATION OF CROSSROAD SIGNS



May be mounted on back of "ROAD WORK AHEAD"(CW20-1D) sign with approval of Engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a "ROAD WORK AHEAD" (CW20-1D)sign and a (G20-2) "END ROAD WORK" sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" "END ROAD WORK"(G20-2) sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume as per TMUTCD Part 5. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The "ROAD WORK NEXT X MILES"(G20-1aT)sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

T-INTERSECTION



CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-intersection, the Contractor shall place the "CONTRACTOR NAME"(G20-6T) sign behind the Type 3 Barricades for the road closure (see BC(10) also). The "ROAD WORK NEXT X MILES" left arrow(G20-1bTL) and "ROAD WORK NEXT X MILES" right arrow (G20-1bTR)" signs shall be replaced by the detour signing called for in the plans.

TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING[1,5,6]

SIZE

Sign Number or Series	Conventional Road	Expressway/ Freeway
CW20[4] CW21 CW22 CW23 CW25	48" x 48"	48" x 48"
CW1, CW2, CW7, CW8, CW9, CW11, CW14	36" x 36"	48" x 48"
CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	48" x 48"	48" x 48"

SPACING

Posted Speed	Sign △ Spacing "X"
MPH	Feet (Apprx.)
30	120
35	160
40	240
45	320
50	400
55	500[2]
60	600[2]
65	700[2]
70	800[2]
75	900[2]
80	1000[2]
✳	✳[3]

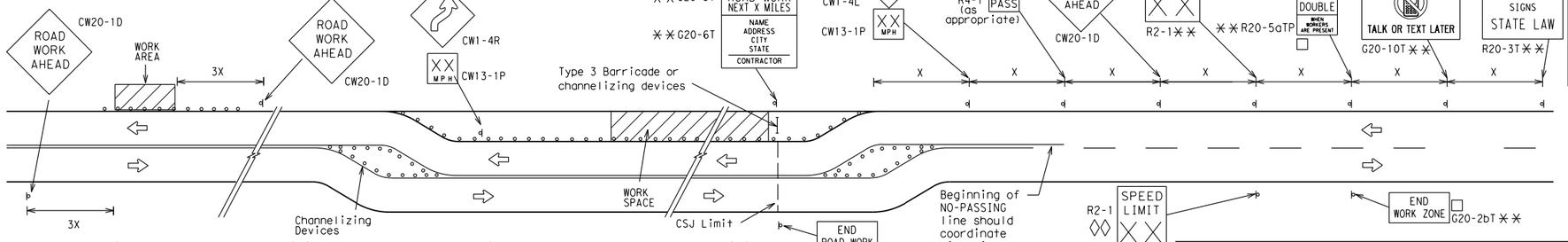
✳ For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

△ Minimum distance from work area to first Advance Warning sign nearest the work area and/or distance between each additional sign.

GENERAL NOTES

1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have 1/2 mile or more advance warning.
4. 36" x 36" "ROAD WORK AHEAD" (CW20-1D)signs may be used on low volume crossroads at the discretion of the Engineer as per TMUTCD Part 5. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

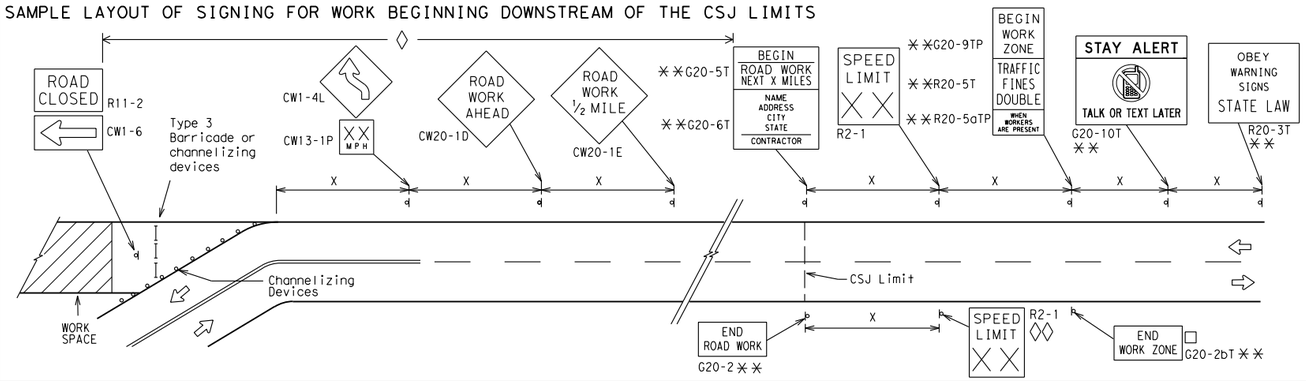
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS



When extended distances occur between minimal work spaces, the Engineer/Inspector should ensure additional "ROAD WORK AHEAD"(CW20-1D)signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS



NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and "BEGIN ROAD WORK NEXT X MILES"(G20-5T)sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

□ The "BEGIN WORK ZONE"(G20-9TP) and "END WORK ZONE" (G20-2bT) shall be used as shown on the sample layout when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a part of the work zone lying outside the CSJ Limits where traffic fines may double if workers are present.

✳✳ CSJ limit signing is required for highway construction and maintenance work, with the exception of mobile operations.

◊ Area for placement of "ROAD WORK AHEAD" (CW20-1D)sign and other signs or devices as called for on the Traffic Control Plan.

◊◊ Contractor will install a regulatory speed limit sign at the end of the work zone.

LEGEND

⟼⟻	Type 3 Barricade
○ ○ ○	Channelizing Devices
▭	Sign
X	See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PROJECT LIMIT

BC(2)-21

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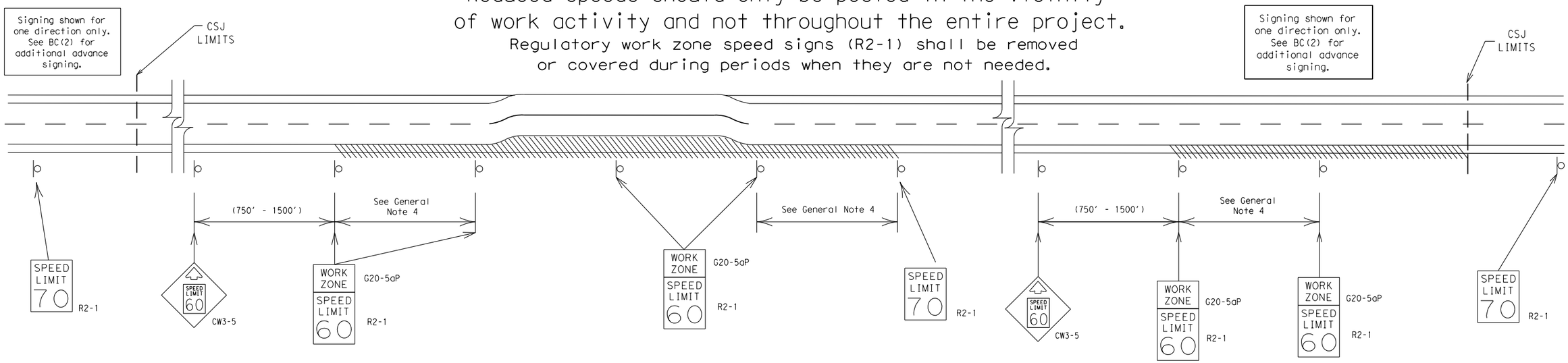
TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.

Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



GUIDANCE FOR USE:

LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:

a) rough road or damaged pavement surface
b) substantial alteration of roadway geometrics (diversions)
c) construction detours
d) grade
e) width
f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit may be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 10 feet of the traveled way or actually in the traveled way.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered.
(See Removing or Covering on BC(4)).

GENERAL NOTES

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   40 mph and greater 0.2 to 2 miles
   35 mph and less 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, erection and maintenance of the"ADVANCE SPEED LIMIT"(CW3-5)sign, "WORK ZONE"(G20-5aP) plaque and the "SPEED LIMIT"(R2-1)signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
8. Techniques that may help reduce traffic speeds include but are not limited to:
   A. Law enforcement.
   B. Flagger stationed next to sign.
   C. Portable changeable message sign (PCMS).
   D. Low-power (drone) radar transmitter.
   E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
10. For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT form #1204 in the TxDOT e-form system.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT

BC(3)-21

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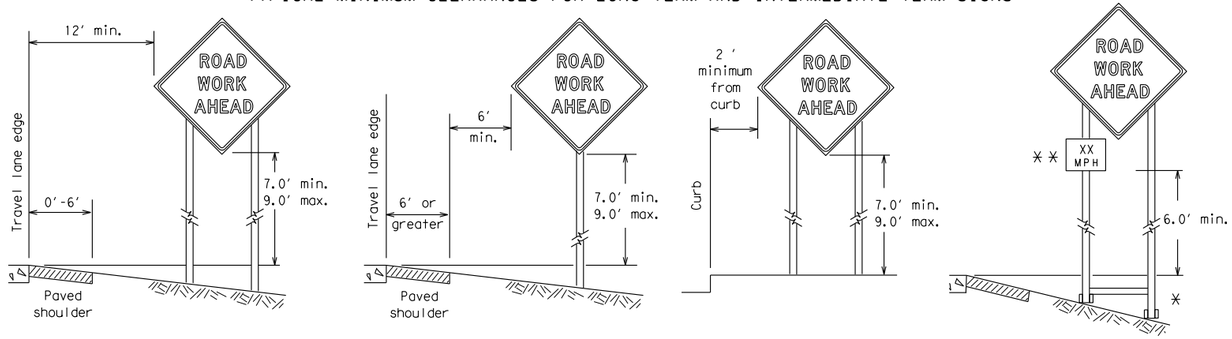
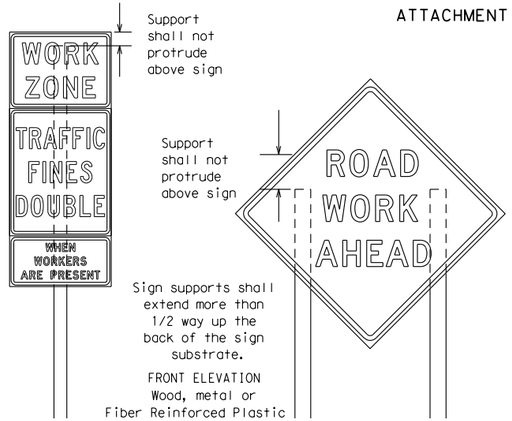
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS

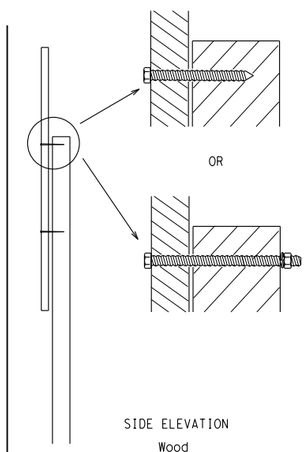


⁎ When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

⁎⁎ When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS





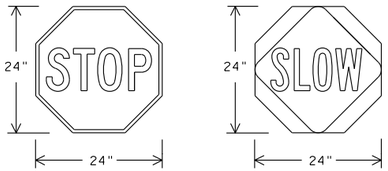
Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24".
2. STOP/SLOW paddles shall be retroreflectorized when used at night.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6′ to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



SHEETING REQUIREMENTS (WHEN USED AT NIGHT)		
USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	RED	TYPE B OR C SHEETING
BACKGROUND	ORANGE	TYPE B_{FL} OR C_{FL} SHEETING
LEGEND & BORDER	WHITE	TYPE B OR C SHEETING
LEGEND & BORDER	BLACK	ACRYLIC NON-REFLECTIVE FILM

CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, specific service (LOGO), or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition. For details for covering large guide signs see the TS-CD standard.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC standard sheets, TLRS standard sheets or the CWZTCD list. The signs shall meet the required mounting heights shown on the BC, or the SMD standard sheets during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD) for small roadside signs. Supports for temporary large roadside signs shall meet the requirements detailed on the Temporary Large Roadside Signs (TLRS) standard sheets.The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height,the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used, the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-21

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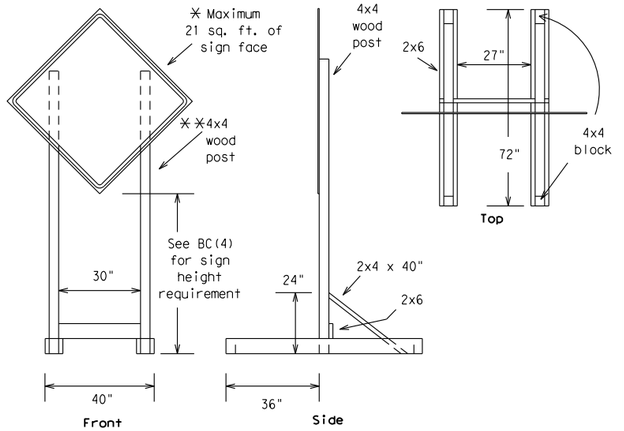
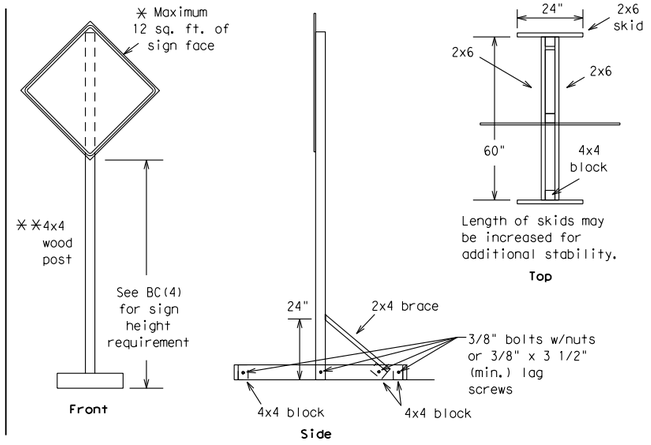
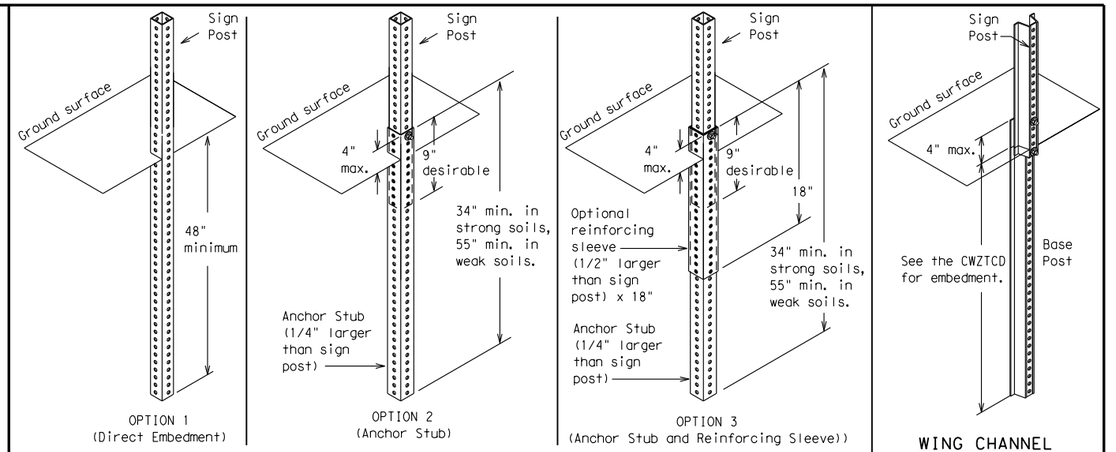




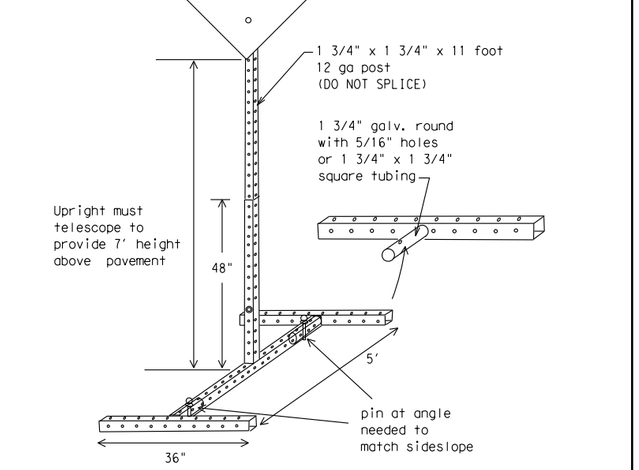
SKID MOUNTED WOOD SIGN SUPPORTS

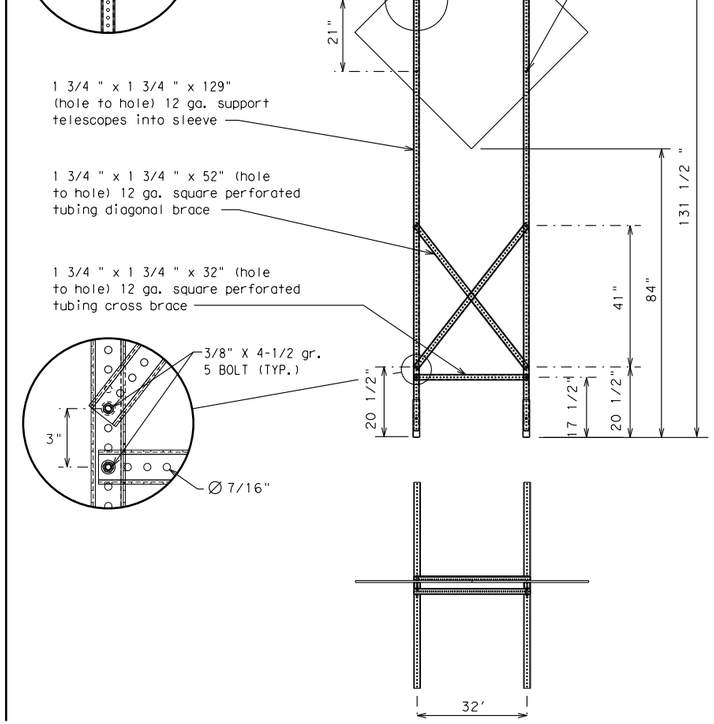
* LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS

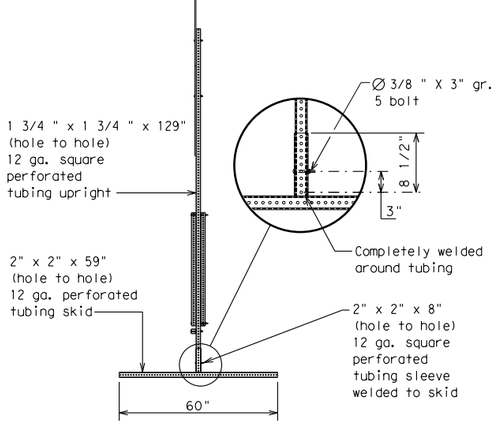


GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.







SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

* LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS

WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

* See BC(4) for definition of "Work Duration."

** Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

☐ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-21

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WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use, the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase message; i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION
Access Road	ACCS RD
Alternate	ALT
Avenue	AVE
Best Route	BEST RTE
Boulevard	BLVD
Bridge	BRDG
Cannot	CANT
Center	CTR
Construction Ahead	CONST AHD
CROSSING	XING
Detour Route	DETOUR RTE
Do Not	DONT
East	E
Eastbound	(route) E
Emergency	EMER
Emergency Vehicle	EMER VEH
Entrance, Enter	ENT
Express Lane	EXP LN
Expressway	EXPWY
XXXX Feet	XXXX FT
Fog Ahead	FOG AHD
Freeway	FRWY, FWY
Freeway Blocked	FWY BLKD
Friday	FRI
Hazardous Driving	HAZ DRIVING
Hazardous Material	HAZMAT
High-Occupancy	HOV
Vehicle Highway	HWY
Hour(s)	HR, HRS
Information	INFO
It Is	ITS
Junction	JCT
Left	LFT
Left Lane	LFT LN
Lane Closed	LN CLOSED
Lower Level	LWR LEVEL
Maintenance	MAINT

WORD OR PHRASE	ABBREVIATION
Major	MAJ
Miles	MI
Miles Per Hour	MPH
Minor	MNR
Monday	MON
Normal	NORM
North	N
Northbound	(route) N
Parking	PKING
Road	RD
Right Lane	RT LN
Saturday	SAT
Service Road	SERV RD
Shoulder	SHLDR
Slippery	SLIP
South	S
Southbound	(route) S
Speed	SPD
Street	ST
Sunday	SUN
Telephone	PHONE
Temporary	TEMP
Thursday	THURS
To Downtown	TO DWNTN
Traffic	TRAF
Travelers	TRVLRS
Tuesday	TUES
Time Minutes	TIME MIN
Upper Level	UPR LEVEL
Vehicles (s)	VEH, VEHS
Warning	WARN
Wednesday	WED
Weight Limit	WT LIMIT
West	W
Westbound	(route) W
Wet Pavement	WET PVMT
Will Not	WONT

Roadway designation # IH-number, US-number, SH-number, FM-number

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

Road/Lane/Ramp Closure List

- FREEWAY CLOSED X MILE
- FRONTAGE ROAD CLOSED
- ROAD CLOSED AT SH XXX
- SHOULDER CLOSED XXX FT
- ROAD CLSD AT FM XXXX
- RIGHT LN CLOSED XXX FT
- RIGHT X LANES CLOSED
- RIGHT X LANES OPEN
- CENTER LANE CLOSED
- DAYTIME LANE CLOSURES
- NIGHT LANE CLOSURES
- I-XX SOUTH EXIT CLOSED
- VARIOUS LANES CLOSED
- EXIT XXX CLOSED X MILE
- EXIT CLOSED
- RIGHT LN TO BE CLOSED
- MALL DRIVEWAY CLOSED
- X LANES CLOSED TUE - FRI
- XXXXXXXX BLVD CLOSED

Other Condition List

- ROADWORK XXX FT
- ROAD REPAIRS XXXX FT
- FLAGGER XXXX FT
- LANE NARROWS XXXX FT
- RIGHT LN NARROWS XXXX FT
- TWO-WAY TRAFFIC XX MILE
- MERGING TRAFFIC XXXX FT
- CONST TRAFFIC XXX FT
- LOOSE GRAVEL XXXX FT
- UNEVEN LANES XXXX FT
- DETOUR X MILE
- ROUGH ROAD XXXX FT
- ROADWORK PAST SH XXXX
- ROADWORK NEXT FRI-SUN
- BUMP XXXX FT
- US XXX EXIT X MILES
- TRAFFIC SIGNAL XXXX FT
- LANES SHIFT *

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Phase 2: Possible Component Lists

Action to Take/Effect on Travel List

- MERGE RIGHT
- FORM X LINES RIGHT
- DETOUR NEXT X EXITS
- USE XXXXX RD EXIT
- USE EXIT XXX
- USE EXIT I-XX NORTH
- STAY ON US XXX SOUTH
- USE I-XX E TO I-XX N
- TRUCKS USE US XXX N
- WATCH FOR TRUCKS
- WATCH FOR TRUCKS
- EXPECT DELAYS
- EXPECT DELAYS
- PREPARE TO STOP
- REDUCE SPEED XXX FT
- END SHOULDER USE
- USE OTHER ROUTES
- WATCH FOR WORKERS
- STAY IN LANE *

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Location List

- AT FM XXXX
- BEFORE RAILROAD CROSSING
- NEXT X MILES
- PAST US XXX EXIT
- XXXXXXX TO XXXXXXX
- US XXX TO FM XXXX

Warning List

- SPEED LIMIT XX MPH
- MAXIMUM SPEED XX MPH
- MINIMUM SPEED XX MPH
- ADVISORY SPEED XX MPH
- RIGHT LANE EXIT
- USE CAUTION
- DRIVE SAFELY
- DRIVE WITH CARE

** Advance Notice List

- TUE-FRI XX AM- X PM
- APR XX-XX X PM-X AM
- BEGINS MONDAY
- BEGINS MAY XX
- MAY X-X XX PM - XX AM
- NEXT FRI-SUN
- XX AM TO XX PM
- NEXT TUE AUG XX
- TONIGHT XX PM- XX AM

** See Application Guidelines Note 6.

APPLICATION GUIDELINES

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

WORDING ALTERNATIVES

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the "Flagger Symbol"(CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

Texas Department of Transportation — Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

BC(6)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
9-07 8-14	DIST	COUNTY		SHEET NO.
7-13 5-21	AUS	WILLIAMSON		80

100

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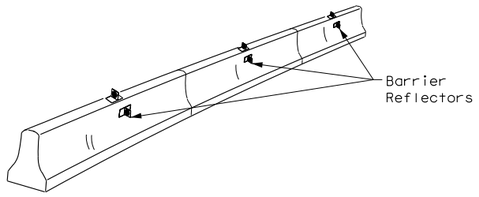
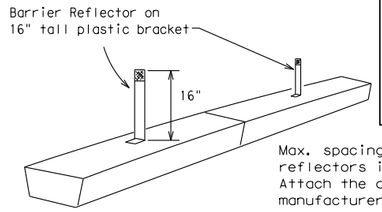
1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.



CONCRETE TRAFFIC BARRIER (CTB)

3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional)while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.

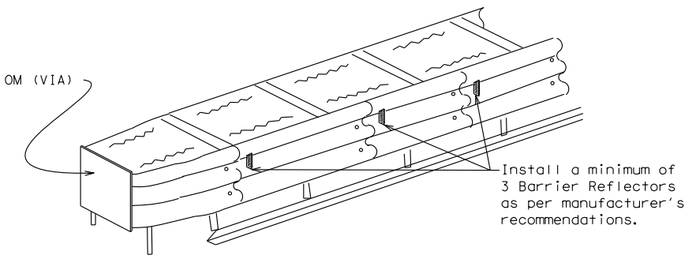


Max. spacing of barrier reflectors is 20 feet. Attach the delineators as per manufacturer's recommendations.

LOW PROFILE CONCRETE BARRIER (LPCB)

LOW PROFILE CONCRETE BARRIER (LPCB) USED IN WORK ZONES

LPCB is approved for use in work zone locations, where the posted speed is 45mph, or less. See Roadway Standard Sheet LPCB.

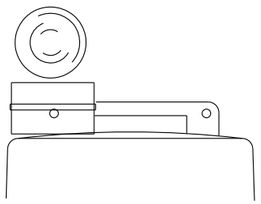


DELINEATION OF END TREATMENTS

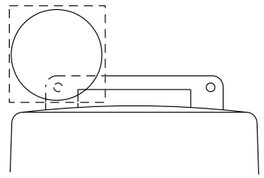
END TREATMENTS FOR CTB'S USED IN WORK ZONES

End treatments used on CTB's in work zones shall meet the apppropriate crashworthy standards as defined in the Manual for Assessing Safety Hardware (MASH). Refer to the CWZTCD List for approved end treatments and manufacturers.

BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS



Type C Warning Light or approved substitute mounted on a drum adjacent to the travel way.



Warning reflector may be round or square.Must have a yellow reflective surface area of at least 30 square inches

WARNING LIGHTS

1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type B_{FL} or C_{FL} Sheeting meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type-C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.
8. The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

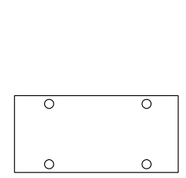
1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type B or Type C.
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

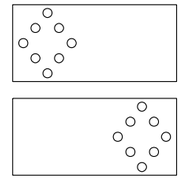
Arrow Boards may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Board should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Boards should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Board.
4. The Flashing Arrow Board should be able to display the following symbols:

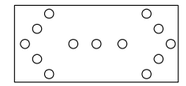


4 CORNER CAUTION

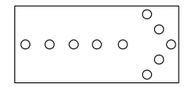
OR



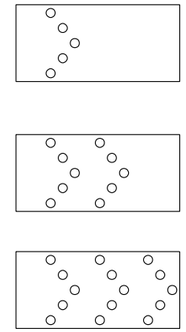
ALTERNATING DIAMOND CAUTION



DOUBLE ARROW



RIGHT/LEFT ARROW
(right arrow shown; left is similar)



RIGHT/LEFT SEQUENTIAL CHEVRON
(right chevron shown; left is similar)

5. The "CAUTION" display consists of four corner lamps flashing simultaneously, or the Alternating Diamond Caution mode as shown.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Board shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential chevron display may be used during daylight operations.
11. The Flashing Arrow Board shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Board SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Board provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted Arrow Boards should be 7 feet from roadway to bottom of panel.

REQUIREMENTS			
TYPE	MINIMUM SIZE	MINIMUM NUMBER OF PANEL LAMPS	MINIMUM VISIBILITY DISTANCE
B	30 x 60	13	3/4 mile
C	48 x 96	15	1 mile

ATTENTION

Flashing Arrow Boards shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW BOARD FROM THE RIGHT-OF-WAY OR PLACE THE ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

FLASHING ARROW BOARDS

TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the Manual for Assessing Safety Hardware (MASH).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the CWZTCD for a list of approved TMAs.
4. TMAs are required on freeways unless otherwise noted in the plans.
5. A TMA should be used anytime that it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
6. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR

BC(7)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
9-07 8-14	DIST	COUNTY		SHEET NO.
7-13 5-21	AUS	WILLIAMSON		81

101

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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections, one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

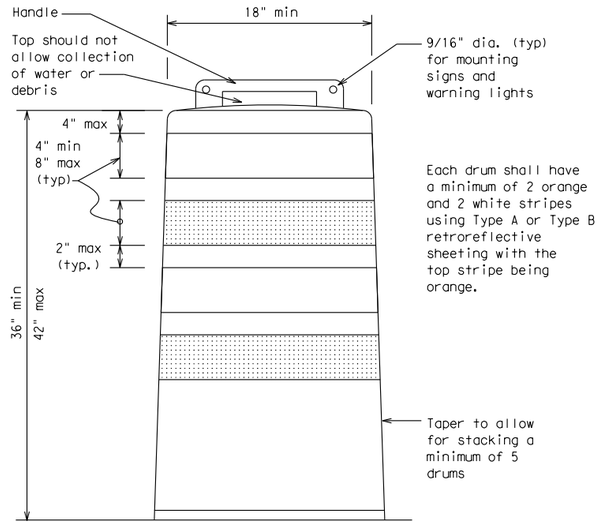
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

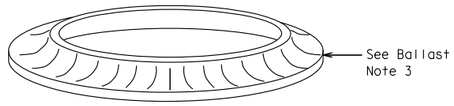
RETROREFLECTIVE SHEETING

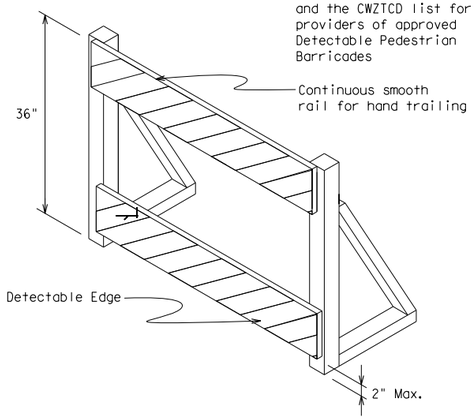
1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials," Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.

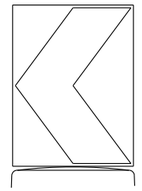




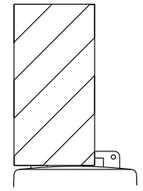


DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to WZ(BTS-2) for Pedestrian Control requirements for Sidewalk Diversions, Sidewalk Detours and Crosswalk Closures.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a Detectable Pedestrian Barricade shall be placed across the full width of the closed sidewalk instead of a Type 3 Barricade.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades should use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



18" x 24" Sign
(Maximum Sign Dimension)
Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer



12" x 24"
Vertical Panel
mount with diagonals sloping down towards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

.

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{FL} or Type C_{FL} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A or Type B. Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations, they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-21

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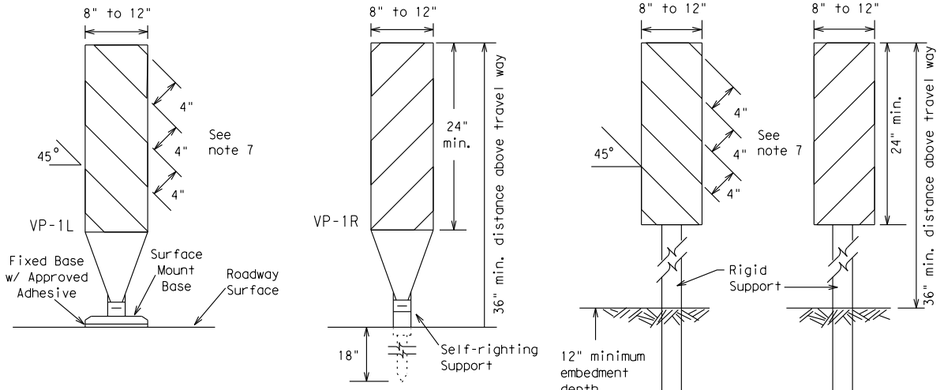
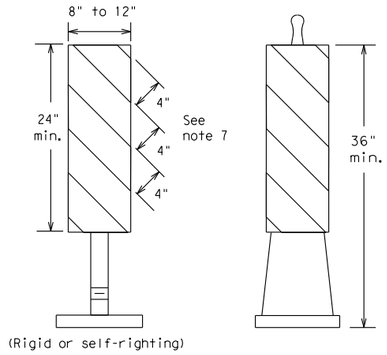


FIXED

(Rigid or self-righting)

DRIVEABLE

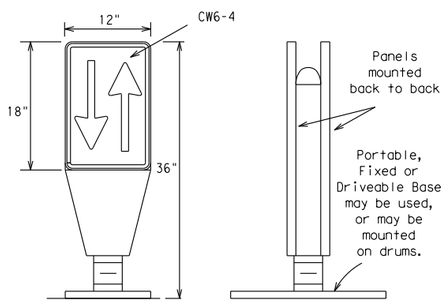


(Rigid or self-righting)

PORTABLE

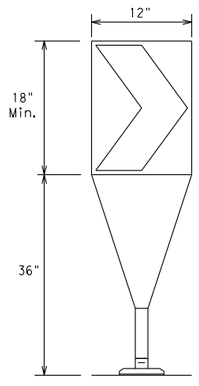
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual for additional requirements on the use VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A or Type B conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



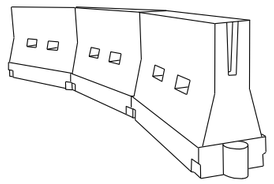
Fixed Base w/ Approved Adhesive (Driveable Base, or Flexible Support can be used)

1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways, self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10). Place reflective sheeting near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate Manual for Assessing Safety Hardware (MASH) crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

Posted Speed	Formula	Minimum Desirable Taper Lengths ✻✻			Suggested Maximum Spacing of Channelizing Devices	
		10′ Offset	11′ Offset	12′ Offset	On a Taper	On a Tangent
30	$L = \frac{WS^2}{60}$	150′	165′	180′	30′	60′
35		205′	225′	245′	35′	70′
40		265′	295′	320′	40′	80′
45	L = WS	450′	495′	540′	45′	90′
50		500′	550′	600′	50′	100′
55		550′	605′	660′	55′	110′
60		600′	660′	720′	60′	120′
65		650′	715′	780′	65′	130′
70		700′	770′	840′	70′	140′
75		750′	825′	900′	75′	150′
80		800′	880′	960′	80′	160′

✻✻Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

SHEET 9 OF 12

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-21

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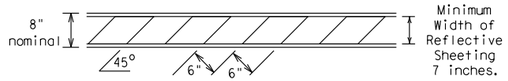
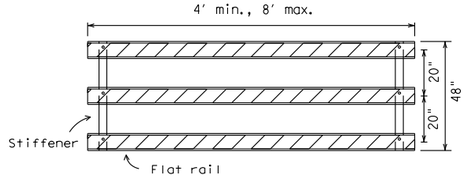
TYPE 3 BARRICADES

1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road, striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A or Type B conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.



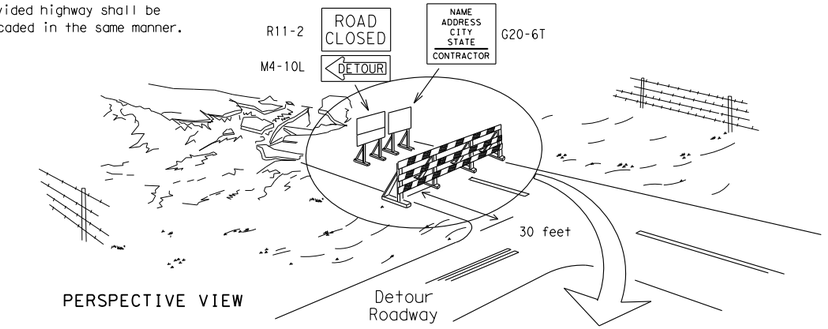
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES

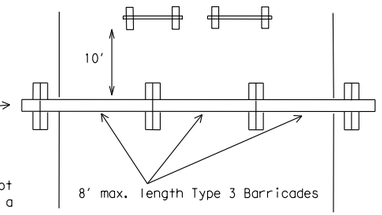
Each roadway of a divided highway shall be barricaded in the same manner.



PERSPECTIVE VIEW

The three rails on Type 3 barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.

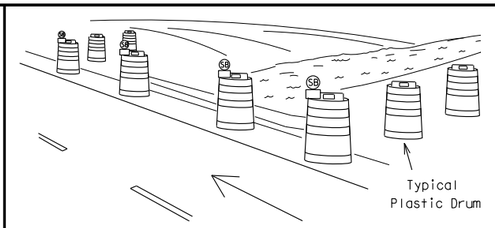
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

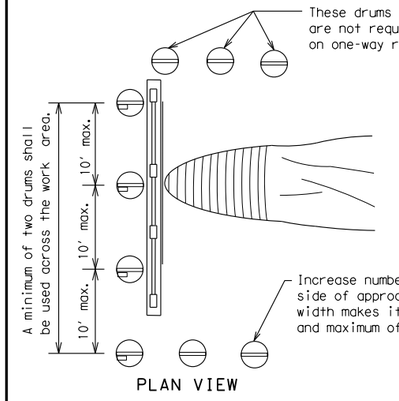
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.

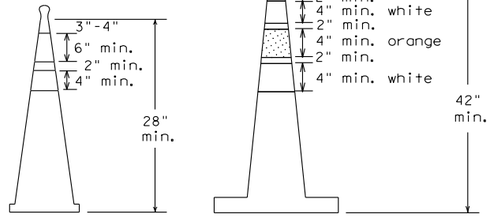


PLAN VIEW

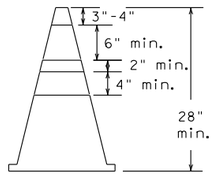
LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS

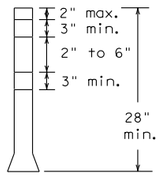
TRAFFIC CONTROL FOR MATERIAL STOCKPILES



Two-Piece cones



One-Piece cones



Tubular Marker

28" Cones shall have a minimum weight of 9 1/2 lbs.

42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A or Type B.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-21

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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

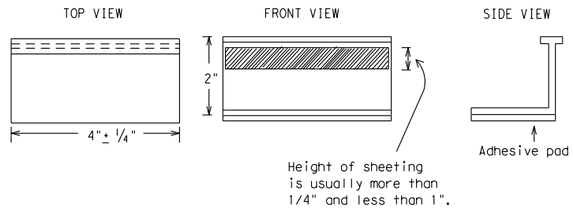
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT February 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS 2-98 9-07 5-21				CR 255
1-02 7-13	DIST	COUNTY		SHEET NO.
11-02 8-14	AUS	WILLIAMSON		85

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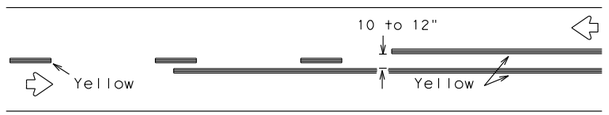
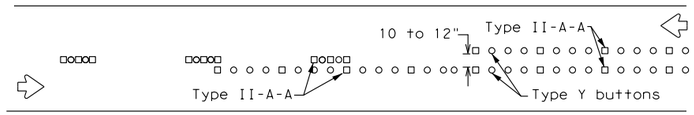
DATE: 11/6/2024
FILE: pw://Server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/Standards/bc-21(12).dgn

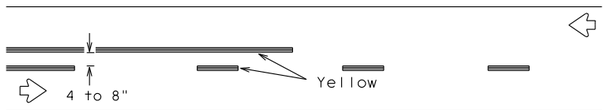
PAVEMENT MARKING PATTERNS



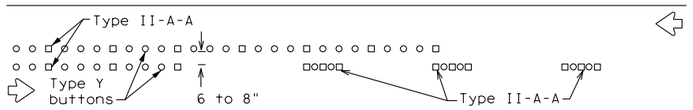
REFLECTORIZED PAVEMENT MARKINGS - PATTERN A



RAISED PAVEMENT MARKERS - PATTERN A



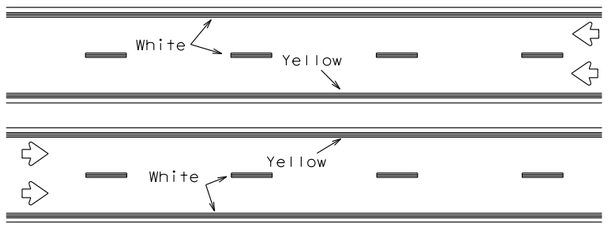
REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



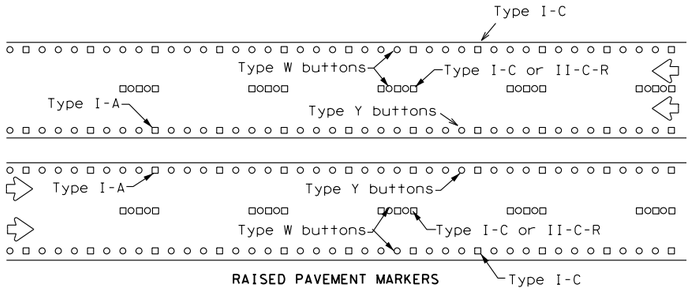
RAISED PAVEMENT MARKERS - PATTERN B

Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer.
Prefabricated markings may be substituted for reflectorized pavement markings.

CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



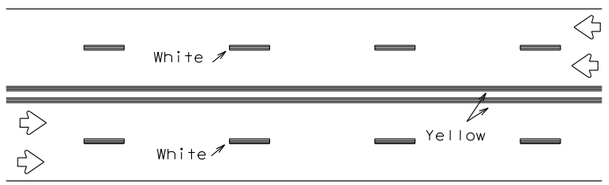
REFLECTORIZED PAVEMENT MARKINGS



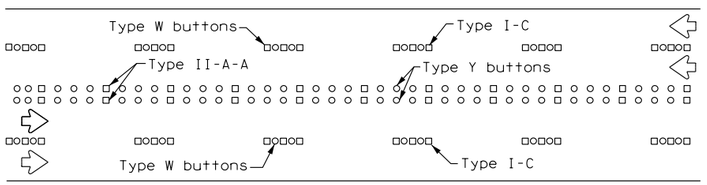
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



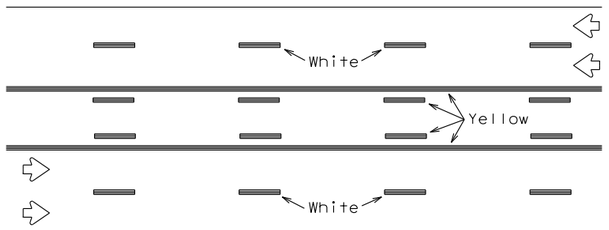
REFLECTORIZED PAVEMENT MARKINGS



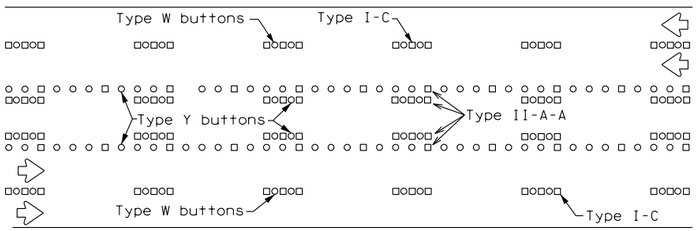
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



REFLECTORIZED PAVEMENT MARKINGS



RAISED PAVEMENT MARKERS

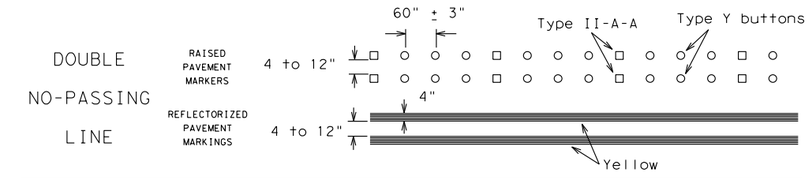
Prefabricated markings may be substituted for reflectorized pavement markings.

TWO-WAY LEFT TURN LANE

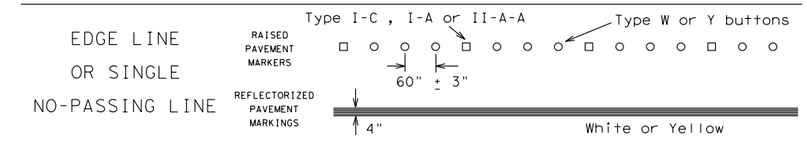
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS

SOLID LINES

DOUBLE NO-PASSING LINE

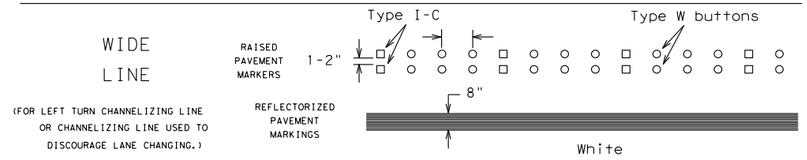


EDGE LINE OR SINGLE NO-PASSING LINE



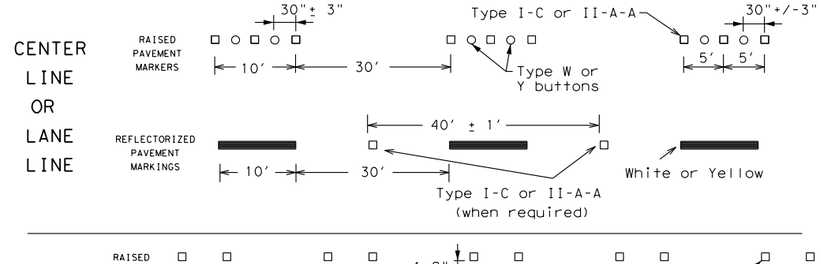
WIDE LINE

(FOR LEFT TURN CHANNELIZING LINE OR CHANNELIZING LINE USED TO DISCOURAGE LANE CHANGING.)

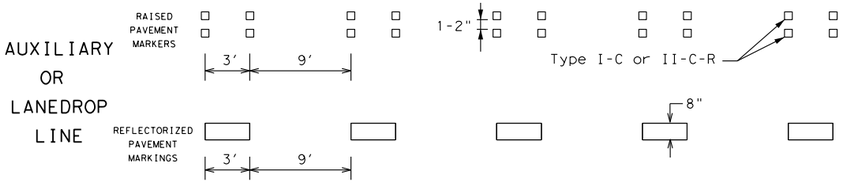


BROKEN LINES

CENTER LINE OR LANE LINE

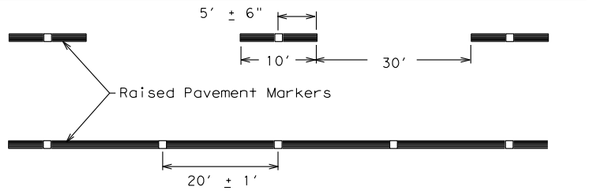


AUXILIARY OR LANEDROP LINE



REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.



Centerline only - not to be used on edge lines

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

Texas Department of Transportation

Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-21

FILE: bc-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT February 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS 1-97 9-07 5-21 2-98 7-13 11-02 8-14				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		86

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DATE: 11/6/2024 2:08
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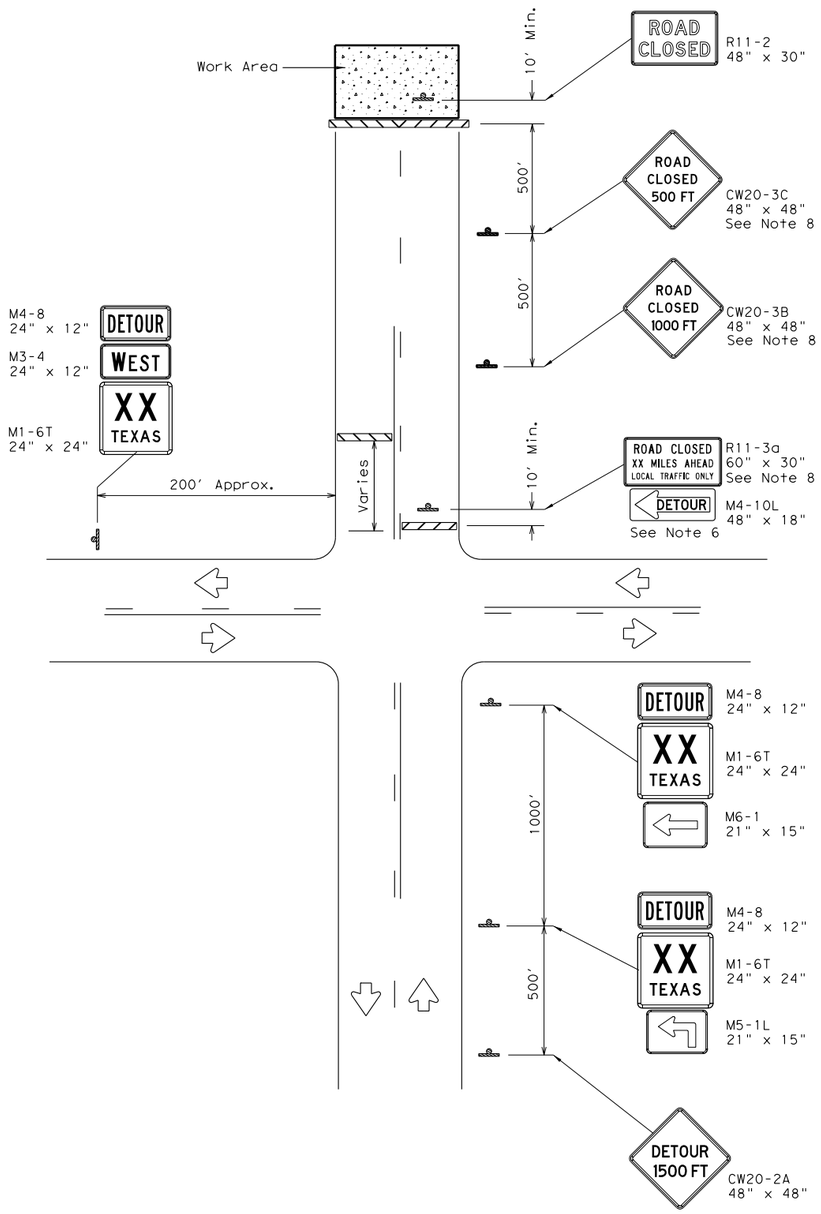
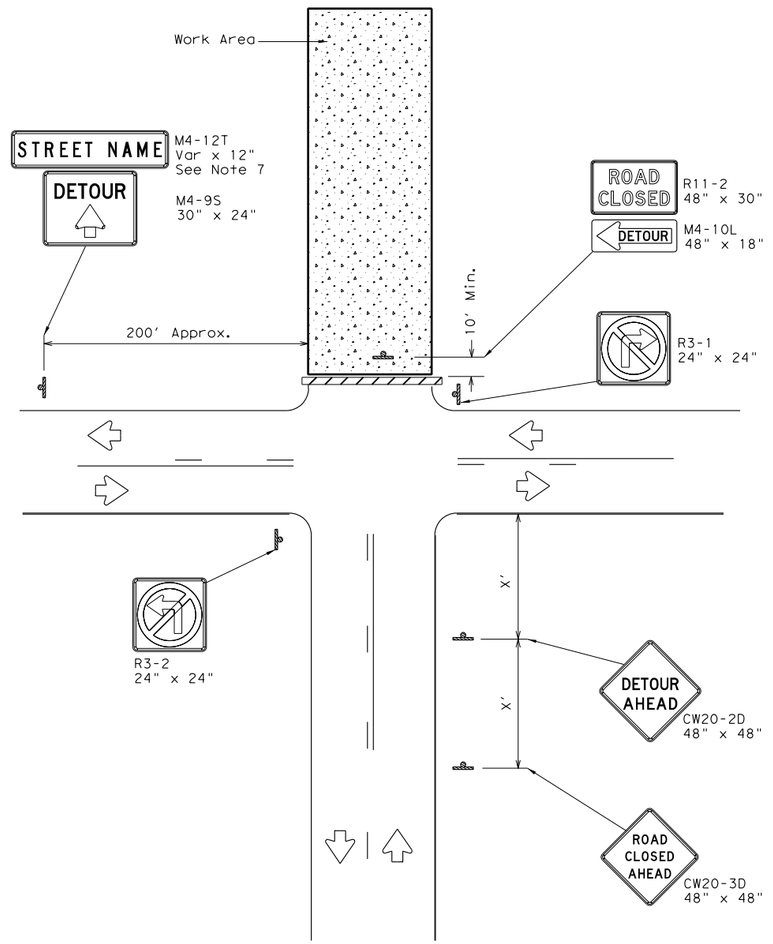


ROAD CLOSURE BEYOND THE INTERSECTION

Signing for a Numbered Route with an Off-Site Detour



ROAD CLOSURE AT THE INTERSECTION

Signing for an Un-numbered Route with an Off-Site Detour

LEGEND	
	Type 3 Barricade
	Sign

Posted Speed *	Minimum Sign Spacing "X" Distance
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

* Conventional Roads Only

GENERAL NOTES

1. This sheet is intended to provide details for temporary work zone road closures. For permanent road closure details see the D&OM standards.
2. Barricades used shall meet the requirements shown on Barricade and Construction Standard BC(10) and listed on the Compliant Work Zone Traffic Control Devices list (CWZTCD).
3. Stockpiled materials shall not be placed on the traffic side of barricades.
4. Barricades at the road closure should extend from pavement edge to pavement edge.
5. Detour signing shown is intended to illustrate the type of signing that is appropriate for numbered routes or un-numbered routes as labeled. It does not indicate the full extent of detour signing required. Detour routes should be signed as shown elsewhere in the plans.
6. If the road is open for a significant distance beyond the intersection or there are significant origin/destination points beyond the intersection, the signs and barricades at this location should be located at the edge of the traveled way.
7. The Street Name (M4-12T) sign is to be placed above the DETOUR (M4-9S) sign.
8. For urban areas where there is a shorter distance between the intersection and the actual closure location, the ROAD CLOSED XX MILES AHEAD (R11-3a) sign may be replaced with a ROAD CLOSED TO THRU TRAFFIC (R11-4) sign. If adequate space does not exist between the intersection and the closure a single ROAD CLOSED AHEAD (CW20-3D) sign spaced as per the table above may replace the ROAD CLOSED 1000 FT (CW20-3B) and ROAD CLOSED 500 FT (CW20-3C) signs.
9. Signs and barricades shown shall be subsidiary to Item 502. Locations where these details will be required shall be as shown elsewhere in the plans.

Texas Department of Transportation

Traffic Operations Division Standard

WORK ZONE ROAD CLOSURE DETAILS

WZ(RCD)-13

FILE: wzrcd-13.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT August 1995	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
1-97 4-98 7-13	DIST	COUNTY		SHEET NO.
2-98 3-03	AUS	WILLIAMSON		87

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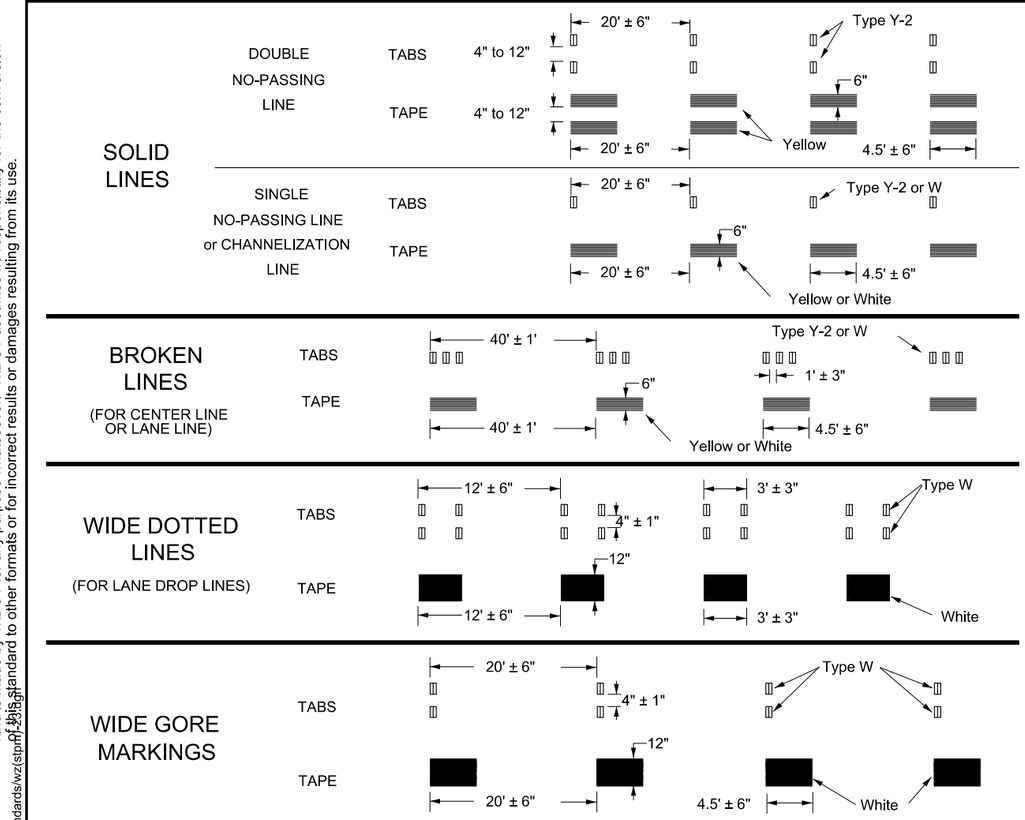
WORK ZONE SHORT TERM PAVEMENT MARKINGS DETAILS



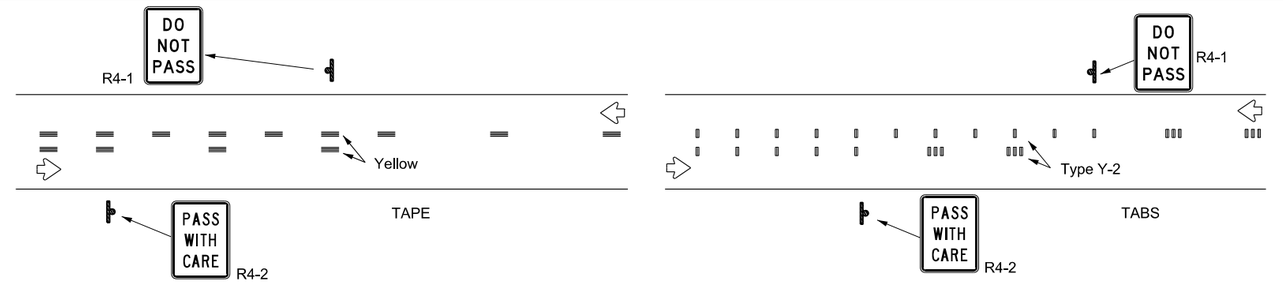
NOTES:

1. Short term pavement markings may be prefabricated markings (stick down tape) or temporary flexible reflective roadway marker tabs unless otherwise specified elsewhere in plans.
2. Short term pavement markings shall NOT be used to simulate edge lines.
3. Dimensions indicated on this sheet are typical and approximate. Variations in size and height may occur between markers or devices made by manufacturers, by as much as 1/4 inch, unless otherwise noted.
4. Temporary flexible-reflective roadway marker tabs will require normal maintenance replacement when used on roadways with an ADT per lane of up to 7500 vehicles with no more than 10% truck mix. When roadways exceed these values, additional maintenance replacement of devices should be planned.
5. No segment of roadway open to traffic shall remain without permanent pavement markings for a period greater than 14 calendar days. The Contractor will be responsible for maintaining short term pavement markings until permanent pavement markings are in place. When the Contractor is responsible for placement of permanent pavement markings, no segment of roadway shall remain without permanent pavement markings for a period greater than 14 calendar days unless weather conditions prohibit placement. Permanent pavement markings shall be placed as soon as weather permits.
6. For two lane, two-way roadways, DO NOT PASS signs shall be erected to mark the beginning of sections where passing is prohibited and PASS WITH CARE signs shall be erected to mark the beginning of sections where passing is permitted. Signs shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and may be used to indicate the limits of no-passing zones for up to 14 calendar days. Permanent pavement markings should then be placed.
7. For low volume two lane, two-way roadways of 4000 ADT or less, no-passing lines may be omitted when approved by the Engineer. DO NOT PASS and PASS WITH CARE signs shall be erected (see note 6).
8. For exit gores where a lane is being dropped place wide gore markings or retroreflective channelizing devices to guide motorist through the exit. If channelizing devices are to be used it should be noted elsewhere in the plans. One piece cones are not allowed for this purpose.

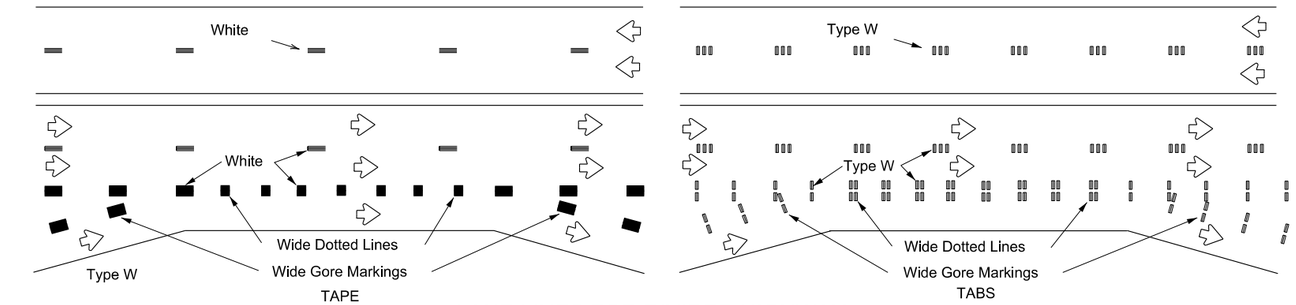
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS (TABS)

1. Temporary flexible-reflective roadway marker tabs detailed on this sheet will be designated Type Y-2 (two amber reflective surfaces with yellow body); Type Y (one amber reflective surface with yellow body); and Type W (one white or silver reflective surface with white body). Additional details may be found on BC(11).
2. Tabs shall meet requirements of Departmental Material Specification DMS-8242.
3. When dry, tabs shall be visible for a minimum distance of 200 feet during normal daylight hours and when illuminated by automobile low-beam head light at night, unless sight distance is restricted by roadway geometrics.
4. No two consecutive tabs nor four tabs per 1000 feet of line shall be missing or fail to meet the visual performance requirements of Note 3.

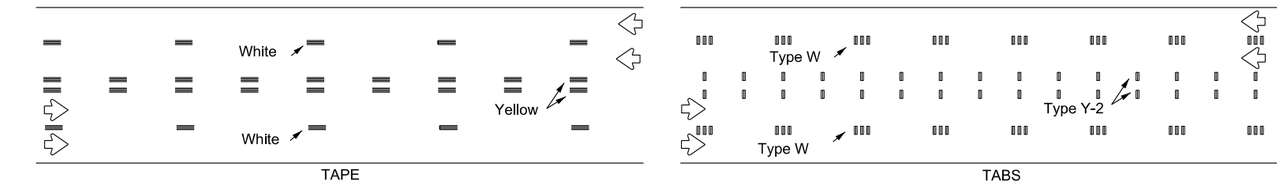
WORK ZONE SHORT TERM PAVEMENT MARKINGS PATTERNS



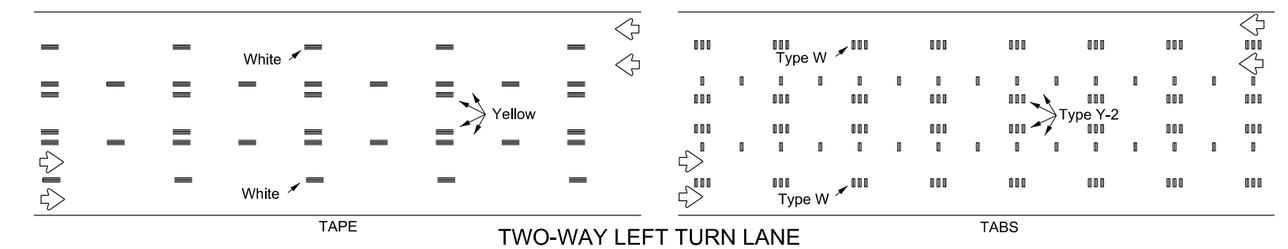
CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO LANE TWO-WAY HIGHWAYS



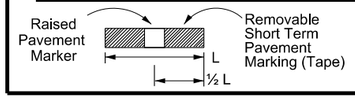
LANE LINES FOR DIVIDED HIGHWAY



LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



TWO-WAY LEFT TURN LANE



If raised pavement markers are used to supplement REMOVABLE short term markings, the markers shall be applied to the top of the tape at the approximate mid length of the tape. This allows an easier removal of raised markers and tape.

PREFABRICATED PAVEMENT MARKINGS

1. Temporary Removable Prefabricated Pavement Markings shall meet the requirements of DMS-8241.
2. Non-removable Prefabricated Pavement Markings shall meet the requirements of either DMS-8240 "Permanent Prefabricated Pavement Markings" or DMS-8243 "Temporary Costruction-Grade Prefabricated Pavement Markings."

RAISED PAVEMENT MARKERS

1. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and DMS-4200.

DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS) & MATERIAL PRODUCER LISTS (MPL)

1. DMSs referenced above can be found along with embedded links to their respective MPLs at the following website:

http://www.txdot.gov/business/contractors_consultants/material_specifications/default.htm

Texas Department of Transportation

Traffic Safety Division Standard

WORK ZONE SHORT TERM PAVEMENT MARKINGS

WZ(STPM)-23

FILE: wzstpm-23.dgn	DN:	CK:	DW:	CK:
© TxDOT February 2023	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
4-92 7-13 1-97 2-23 3-03	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		88

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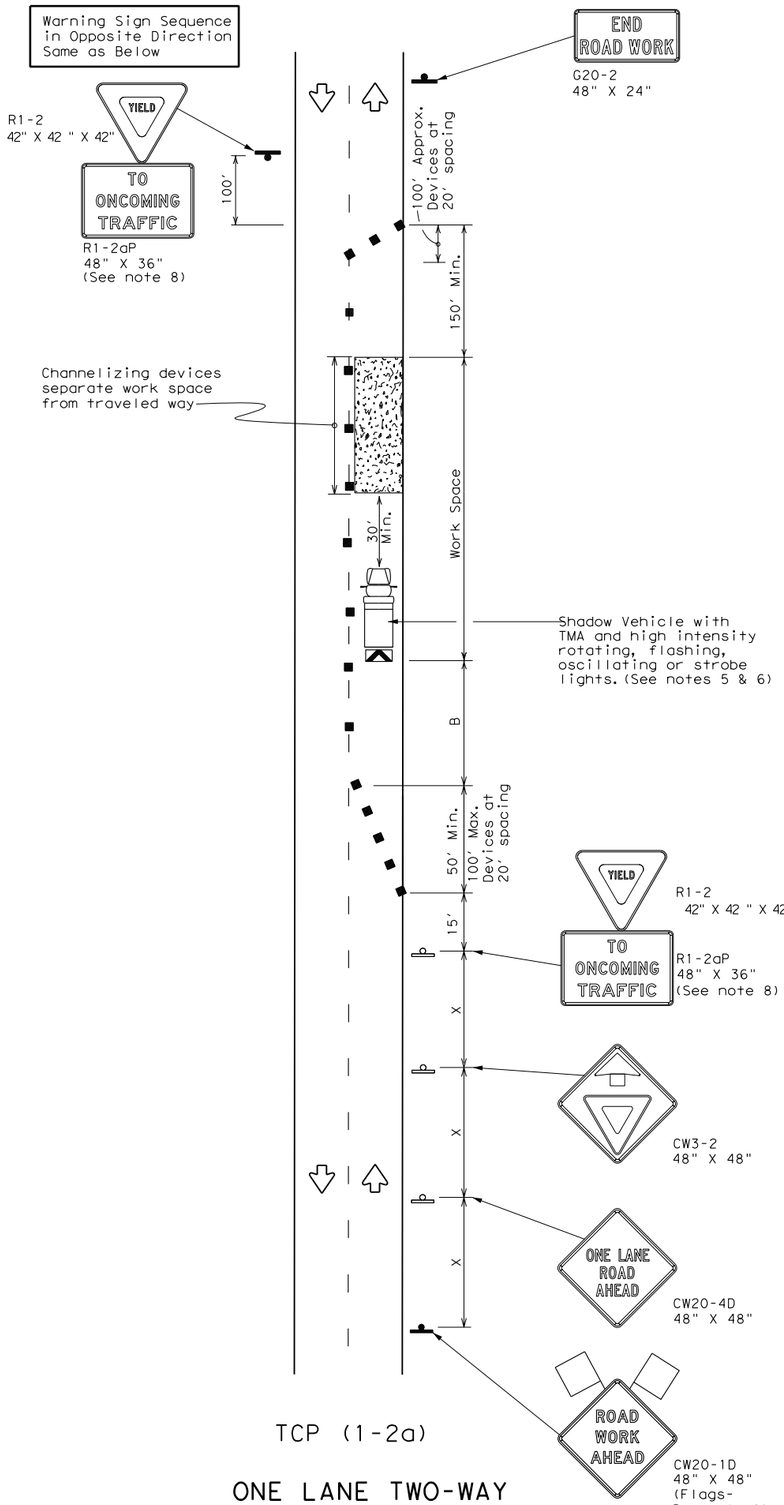
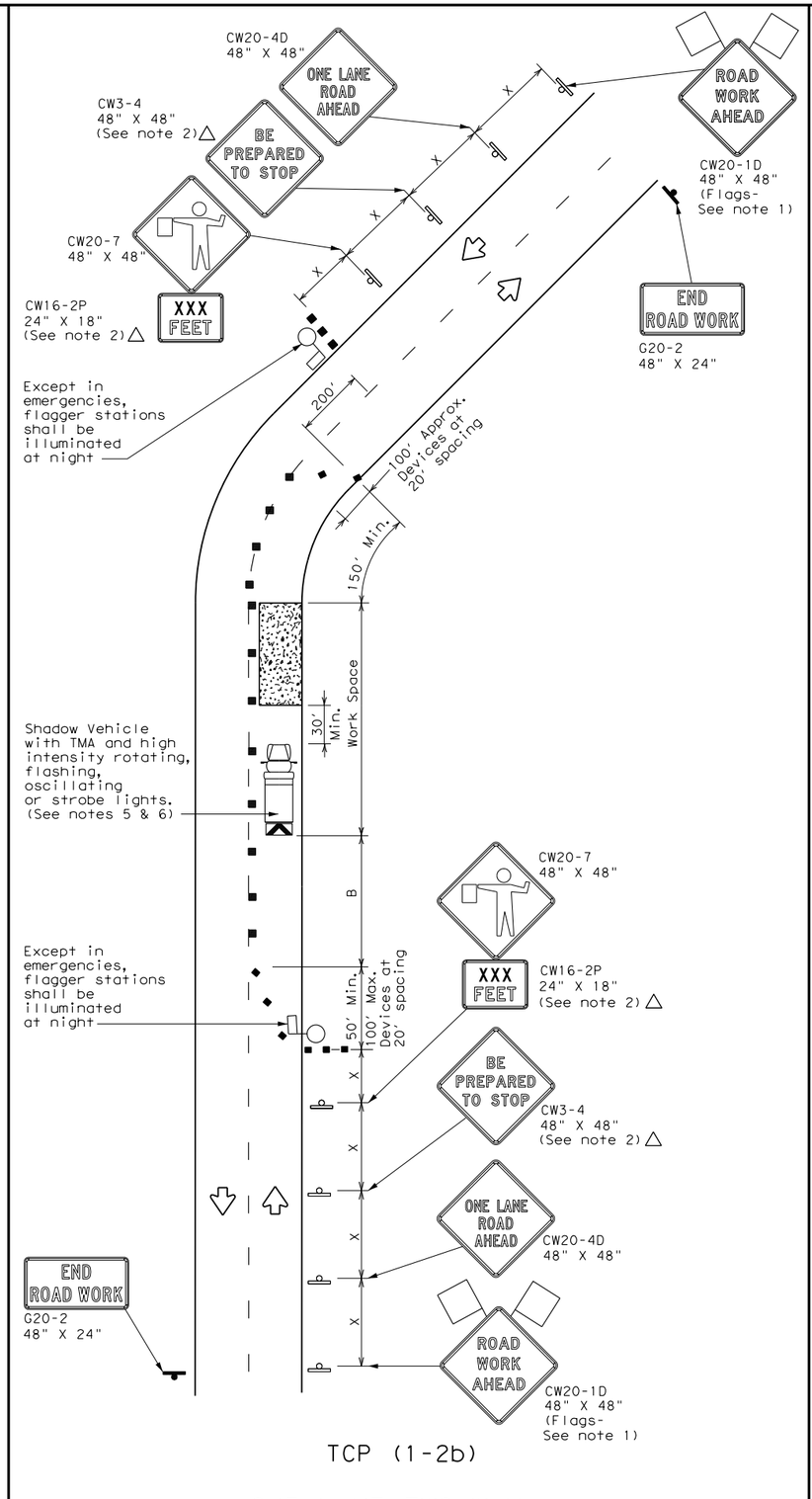


TCP (1-2a)

ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)



TCP (1-2b)

ONE LANE TWO-WAY CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L = WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
8. R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-18

FILE: tcp1-2-18.dgn	DN:	CK:	DW:	CK:
© TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-90 4-98				CR 255
2-94 2-12	DIST	COUNTY		SHEET NO.
1-97 2-18	AUS	WILLIAMSON		89

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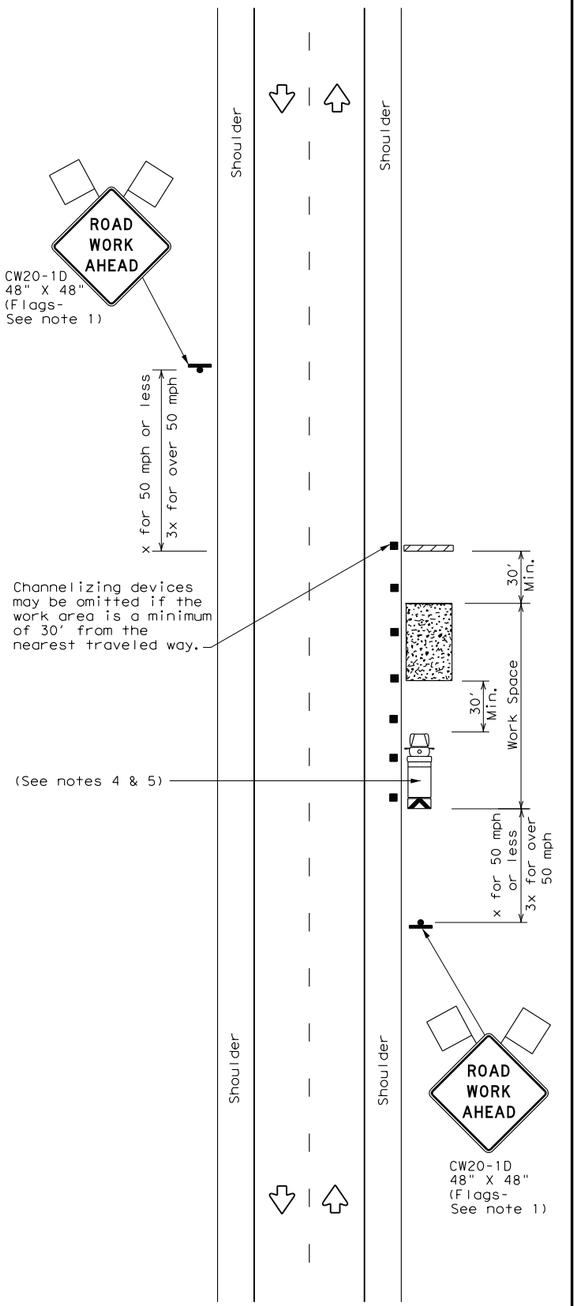
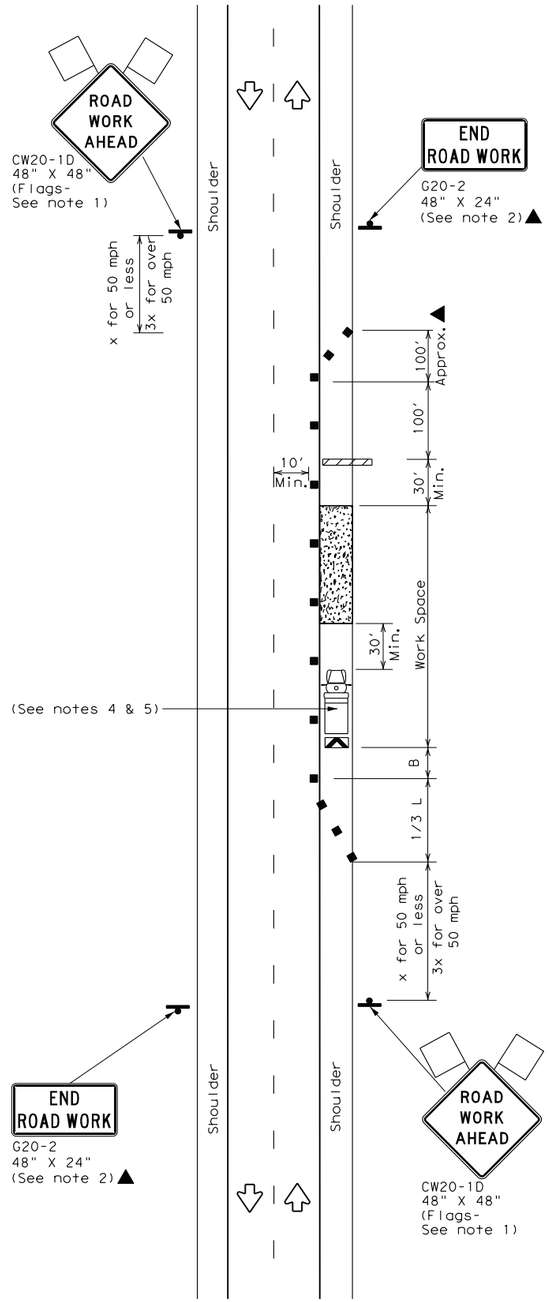


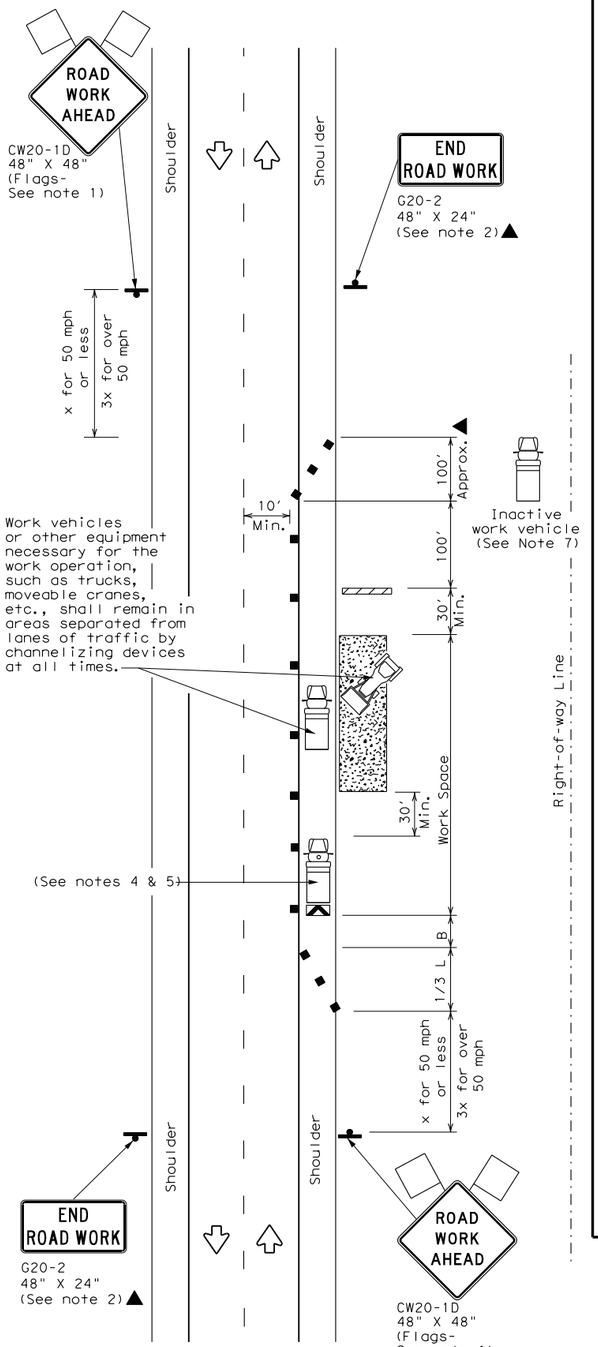
TCP (2-1a)

WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (2-1b)

WORK SPACE ON SHOULDER
Conventional Roads



TCP (2-1c)

WORK VEHICLES ON SHOULDER
Conventional Roads

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices: On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓	✓	✓

GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated in the plans, or for routine maintenance work, when approved by the Engineer.
3. Stockpiled material should be placed a minimum of 30 feet from nearest traveled way.
4. Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.
6. See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
7. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
8. CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP(2-1)-18

FILE: tcp2-1-18.dgn	DN:	CK:	DW:	CK:
©TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
2-94 4-98	DIST	COUNTY		SHEET NO.
8-95 2-12				
1-97 2-18	AUS	WILLIAMSON		90

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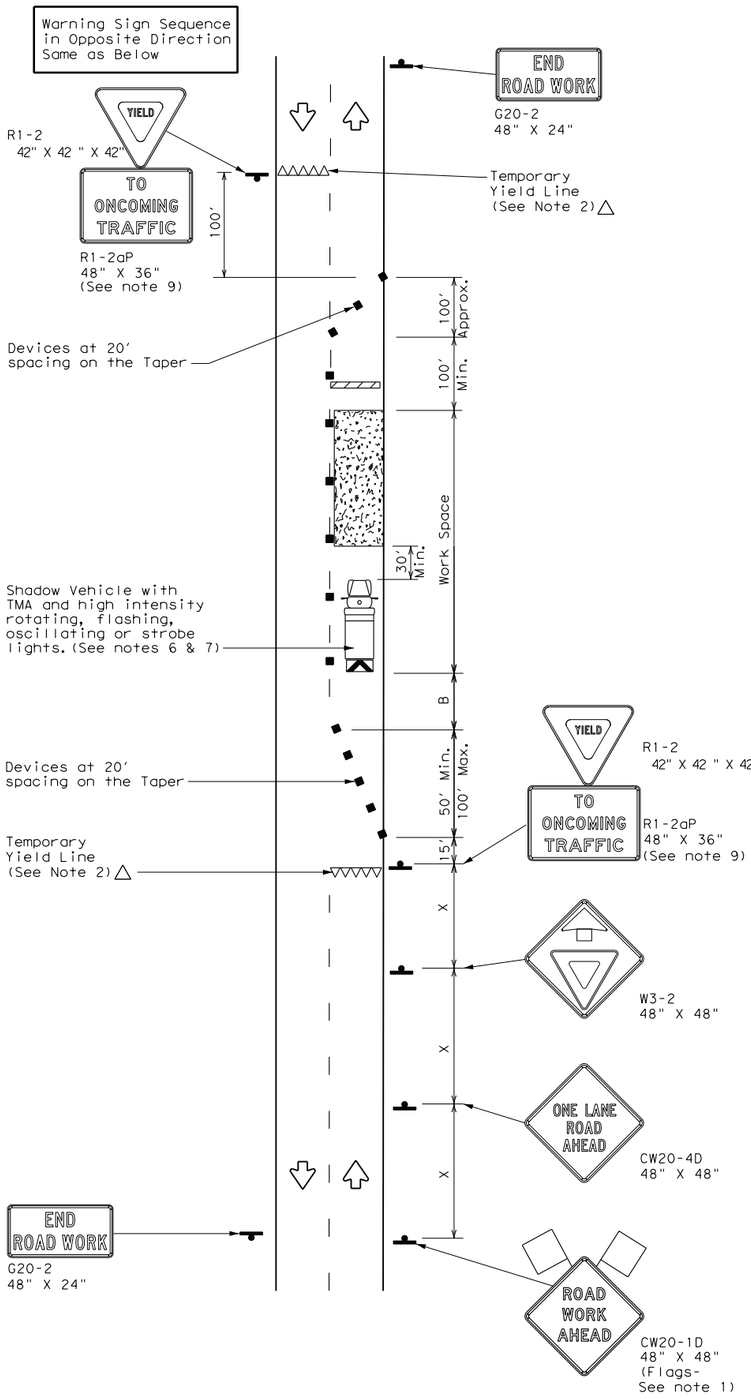
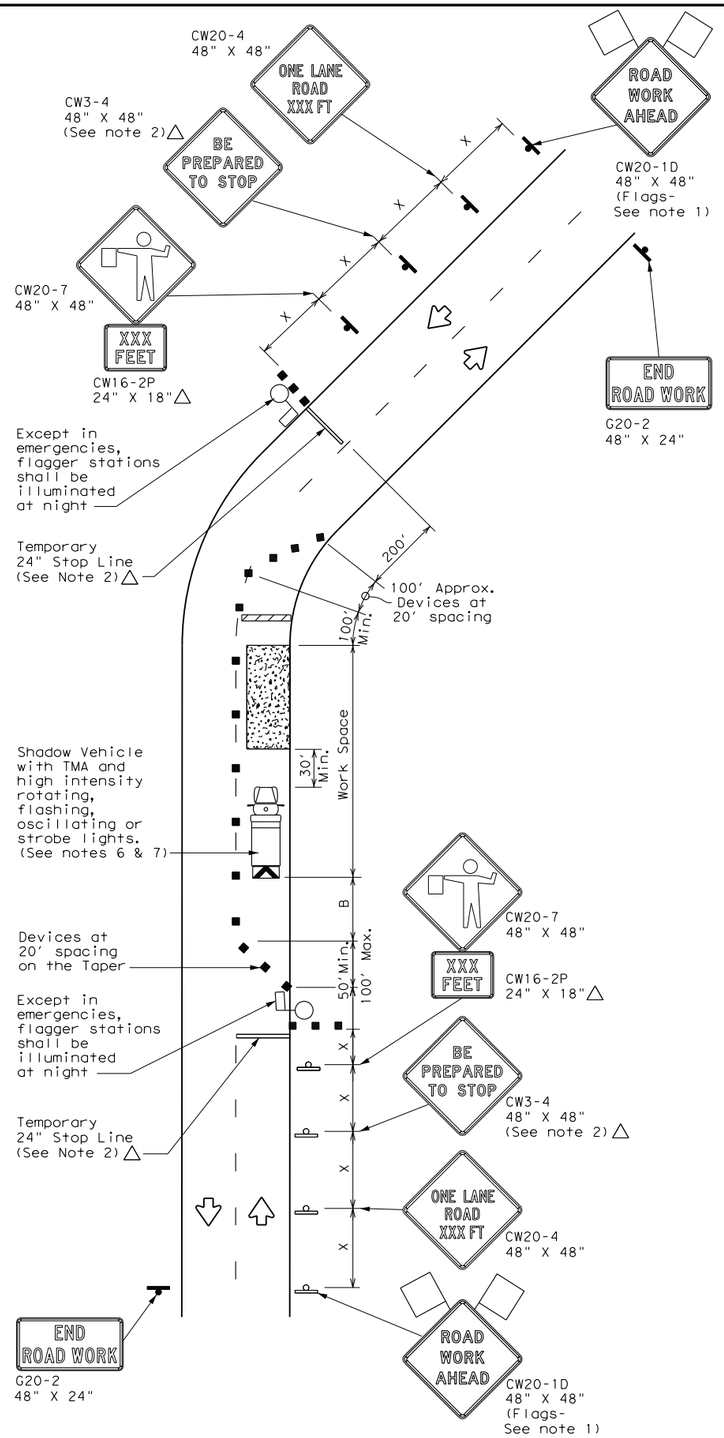


TCP (2-2a)
2-LANE ROADWAY WITHOUT PAVED SHOULDERS
ONE LANE TWO-WAY
CONTROL WITH YIELD SIGNS
(Less than 2000 ADT - See Note 9)



TCP (2-2b)
2-LANE ROADWAY WITHOUT PAVED SHOULDERS
ONE LANE TWO-WAY
CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices: On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L = WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓	✓	

GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4 "ONE LANE ROAD XXX FT" sign, but proper sign spacing shall be maintained.
4. Flaggers should use two-way radios or other methods of communication to control traffic.
5. Length of work space should be based on the ability of flaggers to communicate.
6. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
7. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-2a)

8. The R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas, roadways with less than 2000 ADT, work space should be no longer than 400 feet.
9. The R1-2aP "YIELD TO ONCOMING TRAFFIC" sign shall be placed on a support at a 7 foot minimum mounting height.

TCP (2-2b)

10. Channelizing devices on the center line may be omitted when a pilot car is leading traffic and approved by the Engineer.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sight distance to the flagger and a queue of stopped vehicles. (See table above).
12. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situtations.

Texas Department of Transportation
Traffic Operations Division Standard

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP(2-2)-18

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©TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
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8-95 3-03	DIST	COUNTY		SHEET NO.
1-97 2-12	AUS	WILLIAMSON		91
4-98 2-18				

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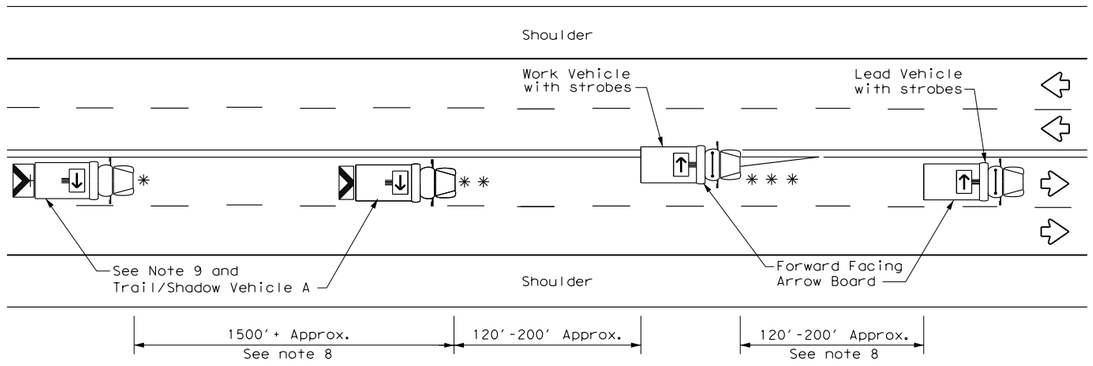
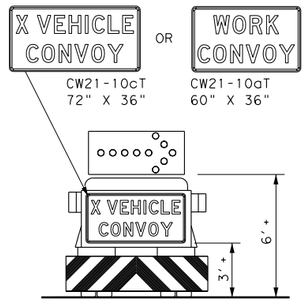


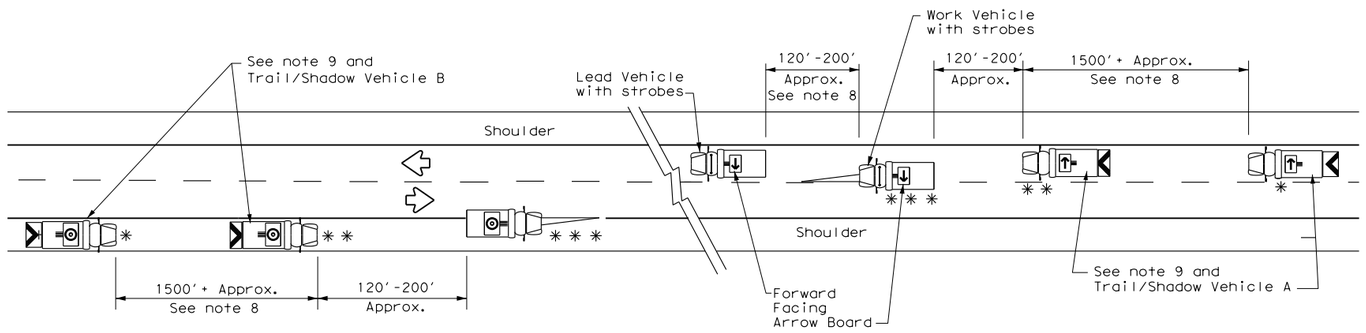
TCP (3-1a)

UNDIVIDED MULTILANE ROADWAY



TRAIL/SHADOW VEHICLE A

with RIGHT Directional display Flashing Arrow Board

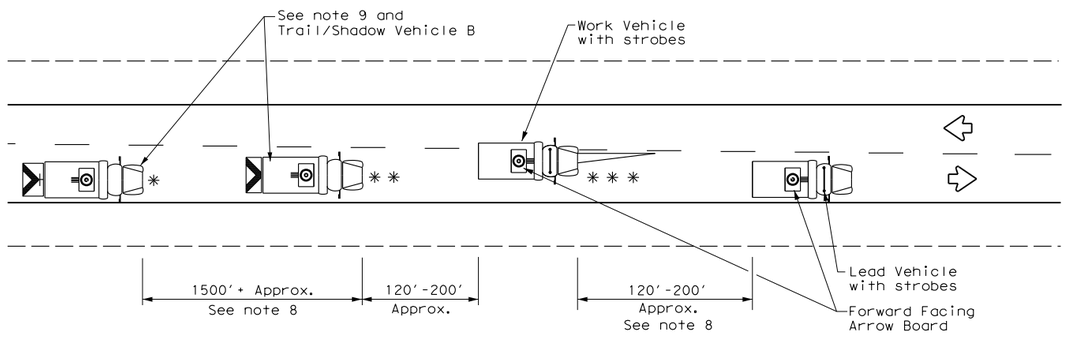


WORK ON SHOULDER

WORK ON TRAVEL LANE

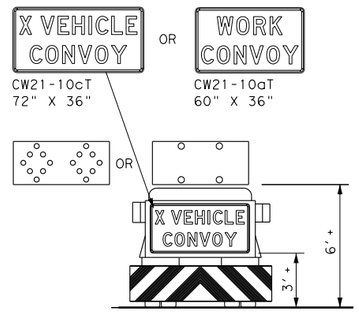
TCP (3-1b)

TWO-WAY ROADWAY WITH PAVED SHOULDERS



TCP (3-1c)

TWO-WAY ROADWAY WITHOUT PAVED SHOULDERS



TRAIL/SHADOW VEHICLE B

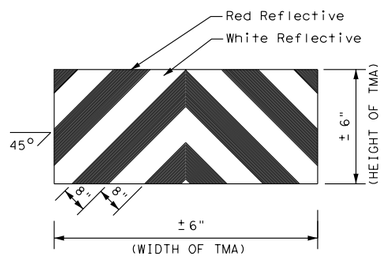
with Flashing Arrow Board in CAUTION display

LEGEND			
*	Trail Vehicle	ARROW BOARD DISPLAY	
* *	Shadow Vehicle		
* * *	Work Vehicle		RIGHT Directional
	Heavy Work Vehicle		LEFT Directional
	Truck Mounted Attenuator (TMA)		Double Arrow
	Traffic Flow		CAUTION (Alternating Diamond or 4 Corner Flash)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓				

GENERAL NOTES

1. TRAIL, SHADOW, and LEAD vehicles shall be equipped with arrow boards as illustrated. When a LEAD vehicle is not used the WORK vehicle must be equipped with an arrow board. The Engineer will determine if the LEAD VEHICLE and/or TRAIL VEHICLE are required based on prevailing roadway conditions, traffic volume, and sight distance restrictions.
2. The use of amber high intensity rotating, flashing, oscillating, or strobe lights on vehicles are required. Blue high intensity rotating, flashing, oscillating or strobe lights when mounted on the driver's side of the vehicle may be operated simultaneously with the amber beacons or strobe lights.
3. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE and TRAIL VEHICLE are required.
4. Reflective sheeting on the rear of the TMA shall meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION DMS 8300, Type A.
5. Flashing arrow boards shall be Type B or Type C as per the Barricade and Construction (BC) standards. The board shall be controlled from inside the vehicle.
6. Each vehicle shall have two-way radio communication capability.
7. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convoy vehicles.
8. Vehicle spacing between the TRAIL VEHICLE and the SHADOW VEHICLE will vary depending on sight distance restrictions. Motorists approaching the work convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change lanes as they approach the TRAIL VEHICLE. Vehicle spacing between the WORK VEHICLE and SHADOW VEHICLE and vehicle spacing between WORK VEHICLE and LEAD VEHICLE may vary according to terrain, work activity and other factors.
9. "X VEHICLE CONVOY" (CW21-10cT) or "WORK CONVOY" (CW21-10aT) signs shall be used on TRAIL VEHICLES and SHADOW VEHICLES as shown. As an option 48" X 48" diamond shaped "WORK CONVOY"(CW21-10T) or "X VEHICLE CONVOY" (CW21-10bT) signs may be used where adequate mounting space exists. When used, the X VEHICLE CONVOY sign shall have the number of the convoy vehicles displayed on the sign in the number designation "X" location. The "X VEHICLE CONVOY" sign shall not be used on the SHADOW VEHICLE if a TRAIL VEHICLE is used.
10. On two-lane two-way roadways, the work and protection vehicles should pull over periodically to allow motor vehicle traffic to pass. If motorists are not allowed to pass the work convoy, a "DO NOT PASS" (R4-1) sign should be placed on the back of the rearmost protection vehicle.



STRIPING FOR TMA

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN MOBILE OPERATIONS UNDIVIDED HIGHWAYS

TCP(3-1)-13

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©TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS 2-94 4-98 8-95 7-13 1-97				CR 255
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	AUS	WILLIAMSON		92

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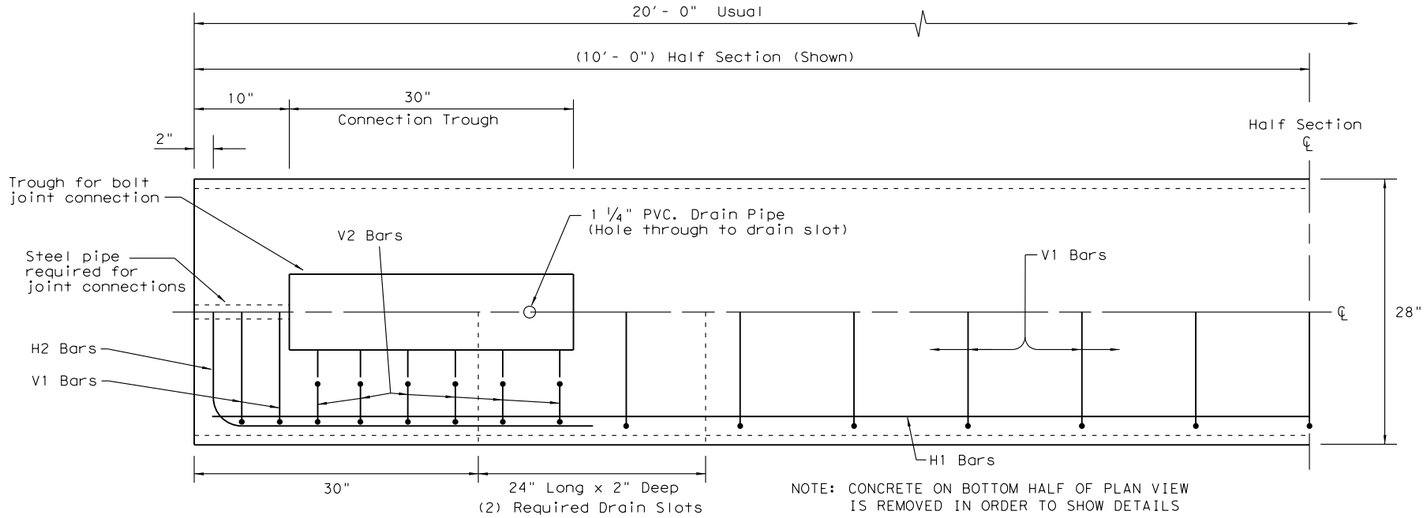
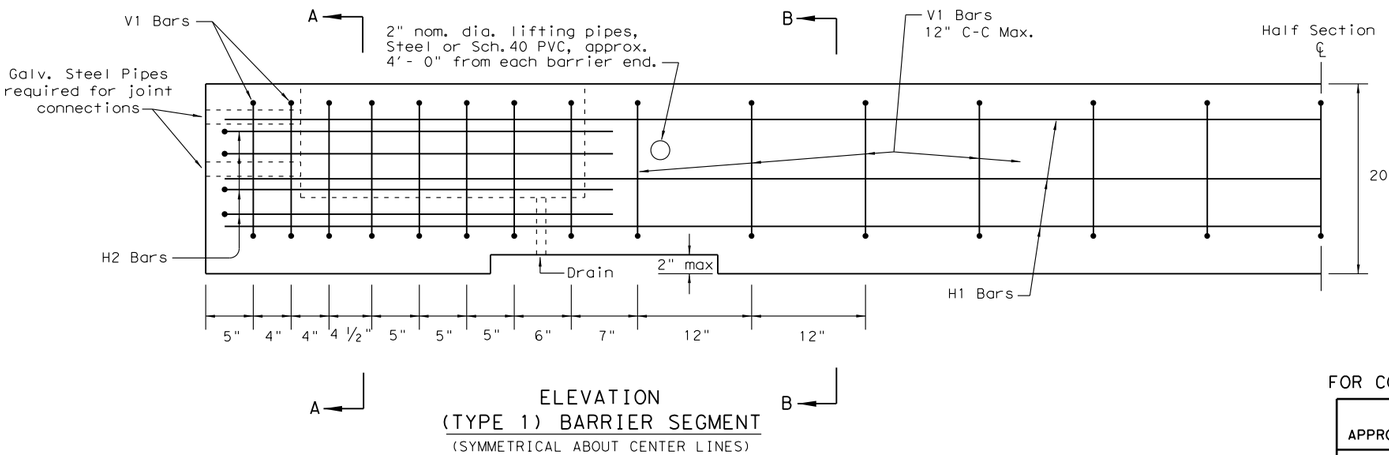
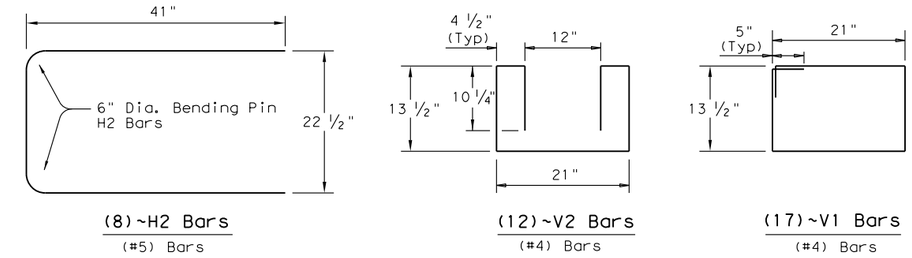


NOTE: CONCRETE ON BOTTOM HALF OF PLAN VIEW IS REMOVED IN ORDER TO SHOW DETAILS

PLAN
(TYPE 1) BARRIER SEGMENT
(SYMMETRICAL ABOUT CENTER LINES)

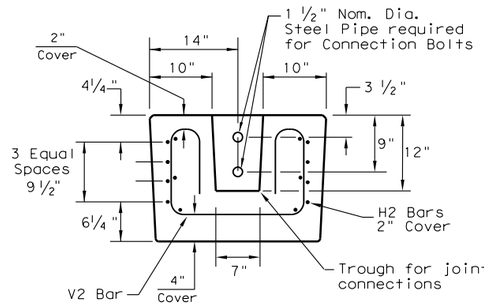


ELEVATION
(TYPE 1) BARRIER SEGMENT
(SYMMETRICAL ABOUT CENTER LINES)

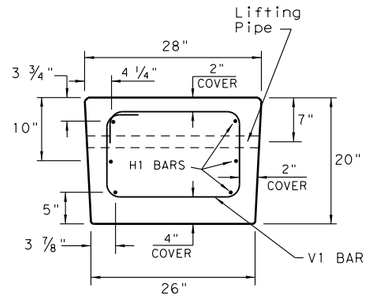


REINFORCING STEEL DETAILS
TYPE 1 - BARRIER SEGMENT

Note: Use 2" Dia. Bending Pin, unless otherwise shown



SECTION A-A



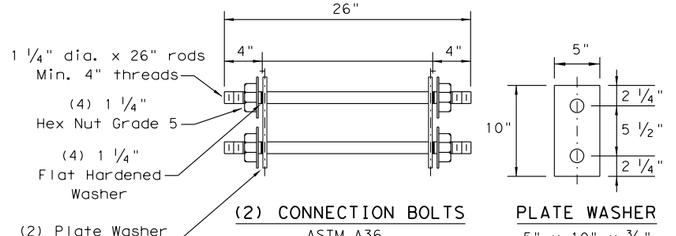
SECTION B-B

GENERAL NOTES

1. Low Profile Concrete Barrier (LPCB), is approved for use in temporary work zone locations, where the posted speed is 45 mph, or less.
2. Concrete shall be Class H for precast barrier with a minimum compressive strength of 3,600 psi.
3. Where used, rebar reinforcement shall be Grade 60 and conform to ASTM A615.
4. Precast LPCB barrier length shall be 20 ft.
5. All barrier edges shall have ¾" chamfer or a tooled radius.
6. Joint connection hardware shall be in accordance with Item 449, "Anchor Bolts." and is considered subsidiary.
7. Steel pipe required for joint connection bolts shall be galvanized in accordance with Item 445,"Galvanizing."
8. Welded wire reinforcement (WWR) may be used in lieu of conventional reinforcement for Type 1 barrier, and shall meet the requirements shown.

FOR CONTRACTORS INFORMATION ONLY

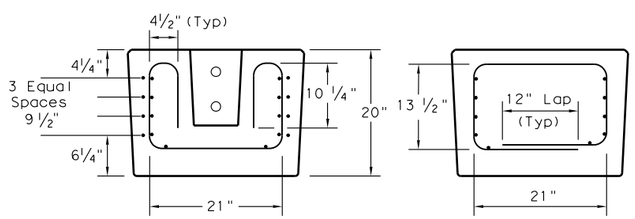
(TYPE 1) APPROX. QUANTITIES 20 FT. SECTION		
CONCRETE	CY	2.6
REINFORCING STEEL	LBS	330
TOTAL BARRIER WT.	LBS	11000



(2) CONNECTION BOLTS
ASTM A36

PLATE WASHER
5" x 10" x ⅜"

Note: Rods, Hex nuts and Washers shall be Galvanized.



SECTION A-A

SECTION B-B

(WWR) GENERAL NOTES

1. Deformed Welded Wire Reinforcement shall conform to ASTM A497.
2. Welded wire cage may be cut or bent, if necessary, but must be approved by the Engineer.
3. Combinations of reinforcing steel and WWR are permitted, as directed by the Engineer. The dimensions from the end of the barrier section to the first wire shall not exceed 3".

REQUIRED (WWR) WIRE DESIGN

8 ~ (D31) Horizontal Wires (Equally spaced)
10 ~ (D20) Horizontal Wires (Equally spaced)
29 ~ (D20) Vertical Wires (Spaced as shown in Elevation View)

WELDED WIRE REINFORCEMENT (WWR)- OPTIONAL REINFORCING

SHEET 1 OF 2

Texas Department of Transportation

Design Division Standard

LOW PROFILE CONCRETE BARRIER
PRECAST BARRIER (TYPE 1)
LPCB-13

FILE: lpcb13.dgn	DN: TxDOT	CK: AM	DW: VP	CK:
©TxDOT December 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		93

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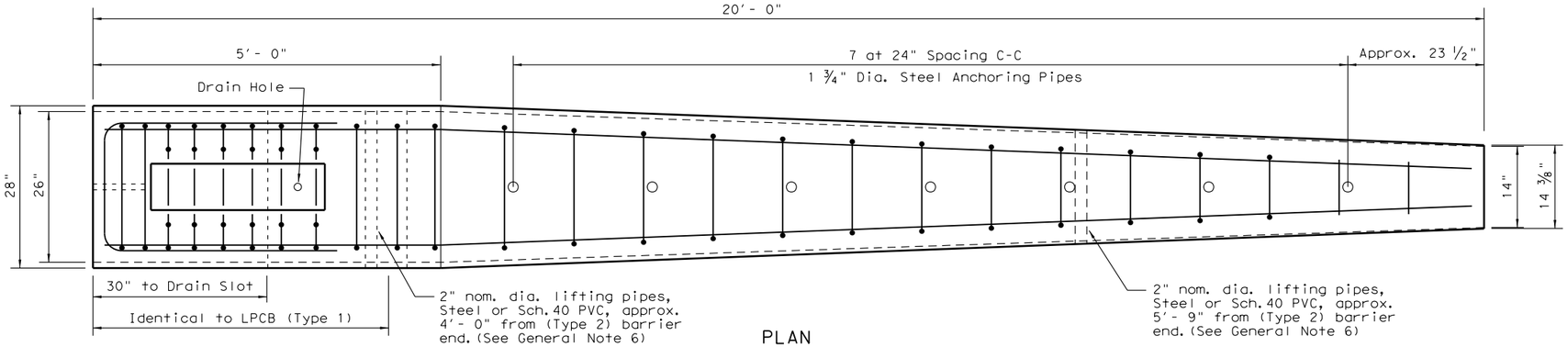
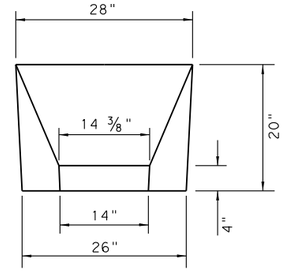
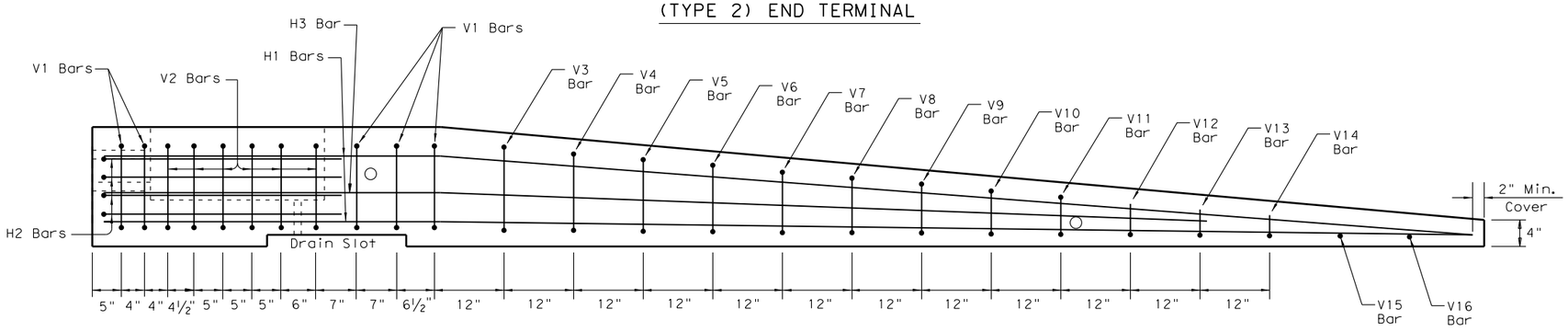
DATE: 11/6/2024
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/02. TCP/Standards/lpcb13.dgn



PLAN
(TYPE 2) END TERMINAL



APPROACH VIEW

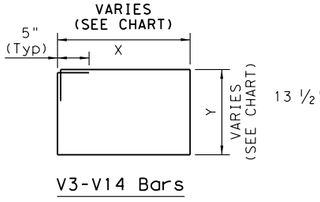


ELEVATION
(TYPE 2) END TERMINAL

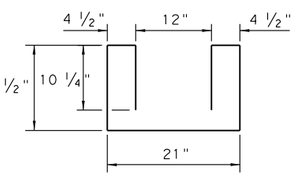
Note:
Anchoring pipes not shown in Elevation View

TYPE 2 - NOTES

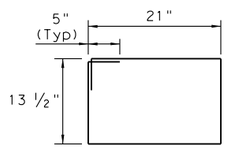
1. Welded wire reinforcment (WWR) is "not" an option for Type 2 Barrier.
2. Type 2 Barrier shall be used as an end treatment for the Type 1 barrier segments, when applicable.
3. The end treatment can be used without the anchor pins in locations that can accommodate approximately 4 ft. of lateral displacement of the end treatment. The use of non-pinned end treatment does not affect the performance or the deflection of the Low-Profile barrier system.
4. The anchor pins are all the same length and are to be driven flush with the top of the (Type 2) barrier surface.
5. The bends in the H3 and H1 bars are slight, no formal bend is necessary.
6. The Type 2 barrier segment must be lifted from the rear first, to prevent cracking of sloped section.
7. See LPCB sheet 1 for additional information.



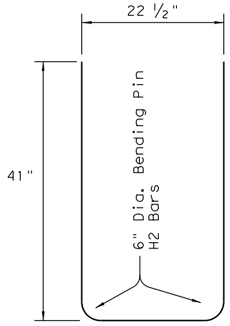
V3-V14 Bars



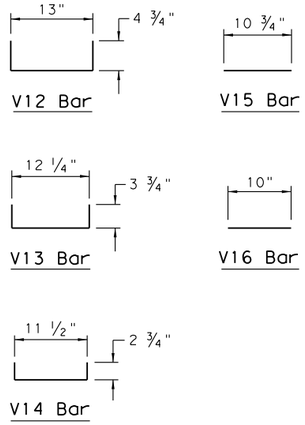
(6)~V2 Bars



(5)~V1 Bars



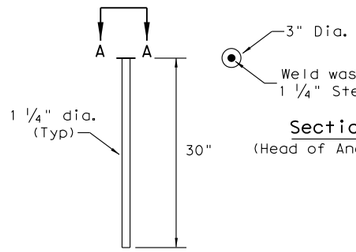
(4)~H2 Bars
(#5) Bars



Note: All V Bars are (#4)

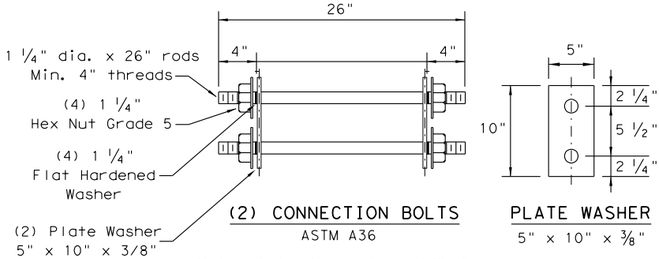
BAR(#4)	X (IN.)	Y (IN.)
V3 BAR	20 ¼	14 ½
V4 BAR	19 ½	13 ½
V5 BAR	18 ½	12 ¼
V6 BAR	17 ½	11 ¼
V7 BAR	17	10 ¼
V8 BAR	16 ¼	9
V9 BAR	15 ½	8
V10 BAR	14 ½	7
V11 BAR	13 ¾	6

REINFORCING STEEL DETAILS
TYPE 2 - END TERMINAL



(7) Anchor Pins
ASTM A36 Steel
(See Note 3)

Section A-A
(Head of Anchoring Pin)

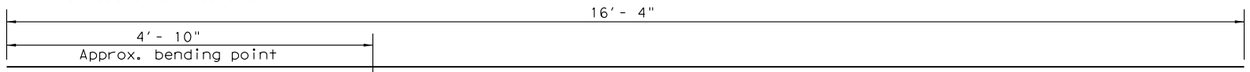


(2) CONNECTION BOLTS
ASTM A36

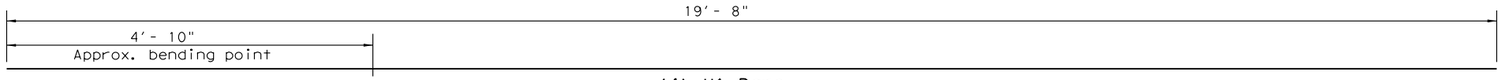
PLATE WASHER
5" x 10" x ⅜"

Note: Rods, Hex nuts and Washers shall be Galvanized.

Note: Use 2" Dia. Bending Pin, unless otherwise shown



(2)~H3 Bars
(#5) Bar



Note: Bends on H1 and H3 bars are slight and do not require formal bends.

(4)~H1 Bars
(#5) Bar

FOR CONTRACTORS INFORMATION ONLY

(TYPE 2) APPROX. QUANTITIES	20 FT. SECTION	
CONCRETE	CY	1.65
REINFORCING STEEL	LBS	240
TOTAL BARRIER WT.	LBS	7000

Texas Department of Transportation
Design Division Standard

LOW PROFILE CONCRETE BARRIER
PRECAST BARRIER (TYPE 2)
LPCB-13

FILE: lpcb13.dgn	DN: TxDOT	CK: AM	DW: VP	CK:
© TxDOT December 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		94

<* 1 DESCRIBE CHAIN CR255

Chain CR255 contains:
1000 CUR CR2551 CUR CR2552 CUR CR2553 CUR CR2554 CUR CR2555 CUR CR2556 CUR CR2-
557 CUR CR2558 CUR CR2559 CUR CR25510 CUR CR25511 CUR CR25512

Beginning chain CR255 description
==========

Point 1000 N 10,249,067.1663 E 3,074,326.5615 Sta 11+50.00

Course from 1000 to PC CR2551 S 21° 13′ 30.06" E Dist 1,065.8736

Curve Data

Curve CR2551
P.I. Station 30+23.90 N 10,247,320.3835 E 3,075,004.9715
Delta = 13° 45′ 12.17" (RT)
Degree = 0° 51′ 18.58"
Tangent = 808.0236
Length = 1,608.2799
Radius = 6,700.0000
External = 48.5481
Long Chord = 1,604.4215
Mid. Ord. = 48.1989
P.C. Station 22+15.87 N 10,248,073.5954 E 3,074,712.4414
P.R.C. Station 38+24.15 N 10,246,519.2205 E 3,075,110.0432
C.C. N 10,245,647.9836 E 3,068,466.9305
Back = S 21° 13′ 30.06" E
Ahead = S 7° 28′ 17.89" E
Chord Bear = S 14° 20′ 53.98" E

Curve Data

Curve CR2552
P.I. Station 45+01.73 N 10,245,847.4014 E 3,075,198.1515
Delta = 16° 28′ 34.05" (LT)
Degree = 1° 13′ 27.37"
Tangent = 677.5721
Length = 1,345.7930
Radius = 4,679.9999
External = 48.7952
Long Chord = 1,341.1609
Mid. Ord. = 48.2917
P.R.C. Station 38+24.15 N 10,246,519.2205 E 3,075,110.0432
P.R.C. Station 51+69.95 N 10,245,228.1575 E 3,075,473.1804
C.C. N 10,247,127.7861 E 3,079,750.3068
Back = S 7° 28′ 17.89" E
Ahead = S 23° 56′ 51.94" E
Chord Bear = S 15° 42′ 34.92" E

Curve Data

Curve CR2553
P.I. Station 54+33.32 N 10,244,987.4570 E 3,075,580.0843
Delta = 4° 30′ 07.93" (RT)
Degree = 0° 51′ 18.58"
Tangent = 263.3727
Length = 526.4743
Radius = 6,700.0001
External = 5.1745
Long Chord = 526.3388
Mid. Ord. = 5.1705
P.R.C. Station 51+69.95 N 10,245,228.1575 E 3,075,473.1804
P.T. Station 56+96.42 N 10,244,739.1076 E 3,075,667.7640
C.C. N 10,242,508.6036 E 3,069,349.9437
Back = S 23° 56′ 51.94" E
Ahead = S 19° 26′ 44.01" E
Chord Bear = S 21° 41′ 47.98" E

Course from PT CR2553 to PC CR2554 S 19° 26′ 44.01" E Dist 2,382.3815

Curve Data

Curve CR2554
P.I. Station 81+90.90 N 10,242,386.9200 E 3,076,498.2029
Delta = 0° 38′ 32.11" (LT)
Degree = 0° 17′ 11.32"
Tangent = 112.0954
Length = 224.1885
Radius = 20,000.0000
External = 0.3141
Long Chord = 224.1873
Mid. Ord. = 0.3141
P.C. Station 80+78.80 N 10,242,492.6213 E 3,076,460.8851
P.T. Station 83+02.99 N 10,242,281.6436 E 3,076,536.7032
C.C. N 10,249,150.8420 E 3,095,320.0499
Back = S 19° 26′ 44.01" E
Ahead = S 20° 05′ 16.12" E
Chord Bear = S 19° 46′ 00.07" E

Course from PT CR2554 to PC CR2555 S 20° 05′ 16.12" E Dist 1,651.2117

Curve Data

Curve CR2555
P.I. Station 100+76.85 N 10,240,615.6922 E 3,077,145.9530
Delta = 2° 09′ 43.09" (RT)
Degree = 0° 52′ 53.30"
Tangent = 122.6484
Length = 245.2676
Radius = 6,500.0000
External = 1.1570
Long Chord = 245.2531
Mid. Ord. = 1.1568
P.R.C. Station 99+54.20 N 10,240,730.8795 E 3,077,103.8282
P.T. Station 101+99.47 N 10,240,498.9977 E 3,077,183.7025
C.C. N 10,238,498.3900 E 3,070,999.2406
Back = S 20° 05′ 16.12" E
Ahead = S 17° 55′ 33.03" E
Chord Bear = S 19° 00′ 24.58" E

Course from PT CR2555 to PC CR2556 S 17° 55′ 33.03" E Dist 412.4328

Curve Data

Curve CR2556
P.I. Station 112+88.62 N 10,239,462.7244 E 3,077,518.9259
Delta = 7° 44′ 33.89" (LT)
Degree = 0° 34′ 22.65"
Tangent = 676.7124
Length = 1,351.3644
Radius = 10,000.0000
External = 22.8708
Long Chord = 1,350.3364
Mid. Ord. = 22.8186
P.C. Station 106+11.90 N 10,240,106.5862 E 3,077,310.6434
P.T. Station 119+63.27 N 10,238,852.7936 E 3,077,812.0540
C.C. N 10,243,184.4441 E 3,086,825.2002
Back = S 17° 55′ 33.03" E
Ahead = S 25° 40′ 06.93" E
Chord Bear = S 21° 47′ 49.98" E

Course from PT CR2556 to PC CR2557 S 25° 40′ 06.93" E Dist 9.0893

Curve Data

Curve CR2557
P.I. Station 122+70.90 N 10,238,575.5157 E 3,077,945.3117
Delta = 4° 16′ 27.84" (RT)
Degree = 0° 42′ 58.31"
Tangent = 298.5479
Length = 596.8189
Radius = 8,000.0000
External = 5.5687
Long Chord = 596.6805
Mid. Ord. = 5.5649
P.C. Station 119+72.36 N 10,238,844.6013 E 3,077,815.9912
P.T. Station 125+69.18 N 10,238,297.5399 E 3,078,054.2167
C.C. N 10,235,379.2809 E 3,070,605.4742
Back = S 25° 40′ 06.93" E
Ahead = S 21° 23′ 39.08" E
Chord Bear = S 23° 31′ 53.01" E

Course from PT CR2557 to PC CR2558 S 21° 23′ 39.08" E Dist 959.5602

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
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PLANNING • ENGINEERING • CONSTRUCTION

CR 255

HORIZONTAL ALIGNMENT DATA

SHEET 1 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			95

USER: korahoske
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Curve Data

Curve CR2558
P.I. Station 137+51.70 N 10,237,196.5013 E 3,078,485.5802
Delta = 3° 55′ 45.03" (RT)
Degree = 0° 52′ 53.30"
Tangent = 222.9628
Length = 445.7508
Radius = 6,500.0000
External = 3.8229
Long Chord = 445.6634
Mid. Ord. = 3.8207
P.C. Station 135+28.74 N 10,237,404.1003 E 3,078,404.2474
P.C.C Station 139+74.49 N 10,236,983.8170 E 3,078,552.4966
C.C. N 10,235,033.0149 E 3,072,352.1441
Back = S 21° 23′ 39.08" E
Ahead = S 17° 27′ 54.05" E
Chord Bear = S 19° 25′ 46.57" E

Curve Data

Curve CR2559
P.I. Station 140+09.20 N 10,236,950.7071 E 3,078,562.9139
Delta = 0° 36′ 42.89" (RT)
Degree = 0° 52′ 53.30"
Tangent = 34.7100
Length = 69.4193
Radius = 6,500.0000
External = 0.0927
Long Chord = 69.4190
Mid. Ord. = 0.0927
P.C.C. Station 139+74.49 N 10,236,983.8170 E 3,078,552.4966
P.R.C. Station 140+43.91 N 10,236,917.4879 E 3,078,572.9770
C.C. N 10,235,033.0149 E 3,072,352.1441
Back = S 17° 27′ 54.05" E
Ahead = S 16° 51′ 11.17" E
Chord Bear = S 17° 09′ 32.61" E

Curve Data

Curve CR25510
P.I. Station 143+66.75 N 10,236,608.5063 E 3,078,666.5766
Delta = 10° 50′ 54.72" (LT)
Degree = 1° 41′ 06.61"
Tangent = 322.8475
Length = 643.7649
Radius = 3,400.0000
External = 15.2936
Long Chord = 642.8037
Mid. Ord. = 15.2251
P.R.C. Station 140+43.91 N 10,236,917.4879 E 3,078,572.9770
P.T. Station 146+87.67 N 10,236,322.6634 E 3,078,816.6578
C.C. N 10,237,903.2122 E 3,081,826.9511
Back = S 16° 51′ 11.17" E
Ahead = S 27° 42′ 05.88" E
Chord Bear = S 22° 16′ 38.53" E

Course from PT CR25510 to PC CR25511 S 27° 42′ 05.88" E Dist 2,273.2087

Curve Data

Curve CR25511
P.I. Station 170+79.69 N 10,234,204.8184 E 3,079,928.6284
Delta = 12° 54′ 40.38" (RT)
Degree = 5° 27′ 24.27"
Tangent = 118.8084
Length = 236.6104
Radius = 1,050.0000
External = 6.7003
Long Chord = 236.1101
Mid. Ord. = 6.6578
P.C. Station 169+60.88 N 10,234,310.0090 E 3,079,873.3982
P.T. Station 171+97.49 N 10,234,089.9467 E 3,079,958.9583
C.C. N 10,233,821.8984 E 3,078,943.7489
Back = S 27° 42′ 05.88" E
Ahead = S 14° 47′ 25.51" E
Chord Bear = S 21° 14′ 45.70" E

Course from PT CR25511 to PC CR25512 S 14° 47′ 25.51" E Dist 186.5763

==========
Ending chain CR255 description

<* 1 DESCRIBE CHAIN POWDER

Chain POWDER contains:
PH001 CUR POWDER1 PH002

Beginning chain POWDER description
==========

Point PH001 N 10,240,608.7143 E 3,077,153.4037 Sta 10+00.00

Course from PH001 to PC POWDER1 S 71° 04′ 21.52" W Dist 254.4252

Curve Data

Curve POWDER1
P.I. Station 12+73.95 N 10,240,519.8539 E 3,076,894.2677
Delta = 6° 23′ 07.18" (RT)
Degree = 16° 22′ 12.80"
Tangent = 19.5231
Length = 39.0057
Radius = 350.0000
External = 0.5441
Long Chord = 38.9856
Mid. Ord. = 0.5432
P.C. Station 12+54.43 N 10,240,526.1866 E 3,076,912.7351
P.T. Station 12+93.43 N 10,240,515.6144 E 3,076,875.2105
C.C. N 10,240,857.2623 E 3,076,799.2060
Back = S 71° 04′ 21.52" W
Ahead = S 77° 27′ 28.70" W
Chord Bear = S 74° 15′ 55.11" W

Course from PT POWDER1 to PH002 S 77° 27′ 28.70" W Dist 43.8868

Point PH002 N 10,240,506.0841 E 3,076,832.3709 Sta 13+37.32

==========
Ending chain POWDER description

<* 1 DESCRIBE CHAIN 255

Chain 255 contains:
25501 CUR 2551 25502

Beginning chain 255 description
==========

Point 25501 N 10,238,894.3537 E 3,077,441.5916 Sta 10+00.00

Course from 25501 to PC 2551 N 36° 04′ 42.75" E Dist 239.0205

Curve Data

Curve 2551
P.I. Station 12+86.02 N 10,239,125.5143 E 3,077,610.0242
Delta = 15° 17′ 41.40" (RT)
Degree = 16° 22′ 12.80"
Tangent = 46.9948
Length = 93.4308
Radius = 350.0000
External = 3.1409
Long Chord = 93.1537
Mid. Ord. = 3.1130
P.C. Station 12+39.02 N 10,239,087.5326 E 3,077,582.3492
P.T. Station 13+32.45 N 10,239,154.8505 E 3,077,646.7380
C.C. N 10,238,881.4198 E 3,077,865.2229
Back = N 36° 04′ 42.75" E
Ahead = N 51° 22′ 24.15" E
Chord Bear = N 43° 43′ 33.45" E

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

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PLANNING • ENGINEERING • CONSTRUCTION

CR 255

HORIZONTAL ALIGNMENT DATA

SHEET 2 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			96

USER: korahoske
DATE: 11/6/2024 2:08
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FILE: pw://server.sky-eng.com:Sky-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/01. General/CR255 HAL02.dgn

<* 1 DESCRIBE CHAIN CR289

Chain CR289 contains:
CR2891 CUR CR2891 CUR CR2892 CR2892 CR2893

Beginning chain CR289 description
==========

Point CR2891 N 10,236,727.9861 E 3,078,304.9510 Sta 10+00.00

Course from CR2891 to PC CR2891 N 72° 35′ 44.57" E Dist 72.5430

Curve Data

Curve CR2891
P.I. Station 11+15.17 N 10,236,762.4360 E 3,078,414.8520
Delta = 4° 52′ 55.88" (RT)
Degree = 5° 43′ 46.48"
Tangent = 42.6309
Length = 85.2103
Radius = 1,000.0000
External = 0.9083
Long Chord = 85.1845
Mid. Ord. = 0.9075
P.C. Station 10+72.54 N 10,236,749.6846 E 3,078,374.1728
P.T. Station 11+57.75 N 10,236,771.6791 E 3,078,456.4689
C.C. N 10,235,795.4666 E 3,078,673.2850
Back = N 72° 35′ 44.57" E
Ahead = N 77° 28′ 40.46" E
Chord Bear = N 75° 02′ 12.51" E

Course from PT CR2891 to PC CR2892 N 77° 28′ 40.46" E Dist 332.3323

Curve Data

Curve CR2892
P.I. Station 15+64.05 N 10,236,859.7714 E 3,078,853.1038
Delta = 8° 27′ 38.28" (LT)
Degree = 5° 43′ 46.48"
Tangent = 73.9674
Length = 147.6659
Radius = 1,000.0000
External = 2.7319
Long Chord = 147.5318
Mid. Ord. = 2.7244
P.C. Station 14+90.09 N 10,236,843.7341 E 3,078,780.8959
P.T. Station 16+37.75 N 10,236,886.2582 E 3,078,922.1663
C.C. N 10,237,819.9466 E 3,078,564.0798
Back = N 77° 28′ 40.46" E
Ahead = N 69° 01′ 02.17" E
Chord Bear = N 73° 14′ 51.32" E

Course from PT CR2892 to CR2892 N 69° 01′ 02.17" E Dist 53.6923

Point CR2892 N 10,236,905.4846 E 3,078,972.2981 Sta 16+91.44

Course from CR2892 to CR2893 N 69° 01′ 02.17" E Dist 150.0000

Point CR2893 N 10,236,959.1976 E 3,079,112.3514 Sta 18+41.44

==========

<* 1 DESCRIBE CHAIN RRB

Chain RRB contains:
CUR RRB1

Beginning chain RRB description
==========

Curve Data

Curve RRB1
P.I. Station 20+54.53 N 10,234,605.7031 E 3,079,508.5647
Delta = 14° 08′ 39.04" (RT)
Degree = 0° 40′ 26.64"
Tangent = 1,054.5264
Length = 2,098.3312
Radius = 8,500.0000
External = 65.1635
Long Chord = 2,093.0072
Mid. Ord. = 64.6677
P.C. Station 10+00.00 N 10,233,839.7036 E 3,078,783.8091
P.T. Station 30+98.33 N 10,235,171.3772 E 3,080,398.5302
C.C. N 10,227,997.8181 E 3,084,958.1409
Back = N 43° 24′ 54.84" E
Ahead = N 57° 33′ 33.88" E
Chord Bear = N 50° 29′ 14.36" E

==========
Ending chain RRB description

<* 1 DESCRIBE CHAIN BONWINDE

Chain BONWINDE contains:
BW001 CUR BONWINDE1 BW002

Beginning chain BONWINDE description
==========

Point BW001 N 10,244,078.6808 E 3,075,907.2904 Sta 10+00.00

Course from BW001 to PC BONWINDE1 S 70° 33′ 15.99" W Dist 69.5041

Curve Data

Curve BONWINDE1
P.I. Station 10+75.52 N 10,244,053.5383 E 3,075,836.0753
Delta = 1° 58′ 13.58" (RT)
Degree = 16° 22′ 12.80"
Tangent = 6.0190
Length = 12.0367
Radius = 350.0000
External = 0.0518
Long Chord = 12.0361
Mid. Ord. = 0.0517
P.C. Station 10+69.50 N 10,244,055.5421 E 3,075,841.7509
P.T. Station 10+81.54 N 10,244,051.7309 E 3,075,830.3341
C.C. N 10,244,385.5775 E 3,075,725.2320
Back = S 70° 33′ 15.99" W
Ahead = S 72° 31′ 29.57" W
Chord Bear = S 71° 32′ 22.78" W

Course from PT BONWINDE1 to BW002 S 72° 31′ 29.57" W Dist 255.1509

Point BW002 N 10,243,975.1112 E 3,075,586.9590 Sta 13+36.69

==========
Ending chain BONWINDE description

<* 2 Describe Chain BIGOAKS

Chain BIGOAKS contains:
BO001 CUR BIGOAKS1 CUR BIGOAKS2 BO002

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
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11/6/2024

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CR 255

HORIZONTAL ALIGNMENT DATA

SHEET 3 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			97

USER: korahosie
DATE: 11/6/2024 2:08
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Beginning chain BIGOAKS description
==========

Point B0001 N 10,242,188.7855 E 3,076,577.0507 Sta 10+00.00

Course from B0001 to PC BIGOAKS1 S 69° 54′ 43.88" W Dist 123.7473

		Curve Data				
Curve BIGOAKS1						
P.I. Station		11+36.83	N	10,242,141.7911	E	3,076,448.5476
Delta	=	4° 16′ 48.86" (RT)				
Degree	=	16° 22′ 12.80"				
Tangent	=	13.0793				
Length	=	26.1465				
Radius	=	350.0000				
External	=	0.2443				
Long Chord	=	26.1404				
Mid. Ord.	=	0.2441				
P.C. Station		11+23.75	N	10,242,146.2833	E	3,076,460.8313
P.T. Station		11+49.89	N	10,242,138.2282	E	3,076,435.9629
C.C.			N	10,242,474.9919	E	3,076,340.6203
Back	= S 69° 54′ 43.88" W					
Ahead	= S 74° 11′ 32.73" W					
Chord Bear	= S 72° 03′ 08.31" W					

Course from PT BIGOAKS1 to PC BIGOAKS2 S 74° 11′ 32.73" W Dist 61.4749

		Curve Data				
Curve BIGOAKS2						
P.I. Station		12+20.42	N	10,242,119.0176	E	3,076,368.1084
Delta	=	2° 57′ 40.43" (RT)				
Degree	=	16° 22′ 12.80"				
Tangent	=	9.0466				
Length	=	18.0891				
Radius	=	350.0000				
External	=	0.1169				
Long Chord	=	18.0871				
Mid. Ord.	=	0.1169				
P.C. Station		12+11.37	N	10,242,121.4820	E	3,076,376.8129
P.T. Station		12+29.46	N	10,242,117.0062	E	3,076,359.2883
C.C.			N	10,242,458.2457	E	3,076,281.4703
Back	= S 74° 11′ 32.73" W					
Ahead	= S 77° 09′ 13.17" W					
Chord Bear	= S 75° 40′ 22.95" W					

Course from PT BIGOAKS2 to B0002 S 77° 09′ 13.17" W Dist 99.7020

Point B0002 N 10,242,094.8387 E 3,076,262.0818 Sta 13+29.16

==========
Ending chain BIGOAKS description

<* 1 DESCRIBE CHAIN DANIELMT

Chain DANIELMT contains:
3008 3009 3010 3011

Beginning chain DANIELMT description
==========

Point 3008 N 10,242,240.5516 E 3,076,386.9016 Sta 10+00.00

Course from 3008 to 3009 N 70° 41′ 32.68" E Dist 530.9150

Point 3009 N 10,242,416.0930 E 3,076,887.9564 Sta 15+30.91

Course from 3009 to 3010 N 70° 41′ 32.68" E Dist 101.1927

Point 3010 N 10,242,449.5513 E 3,076,983.4577 Sta 16+32.11

Course from 3010 to 3011 N 70° 21′ 27.38" E Dist 74.2186

Point 3011 N 10,242,474.4998 E 3,077,053.3575 Sta 17+06.33

==========
Ending chain DANIELMT description

<* 1 DESCRIBE CHAIN HILLTOPSPRING

Chain HILLTOPSPRING contains:
HTS001 HTS002

Beginning chain HILLTOPSPRING description
==========

Point HTS001 N 10,243,249.3911 E 3,076,193.7078 Sta 10+00.00

Course from HTS001 to HTS002 N 69° 14′ 26.86" E Dist 225.3648

Point HTS002 N 10,243,329.2697 E 3,076,404.4416 Sta 12+25.36

==========
Ending chain HILLTOPSPRING description

<* 1 DESCRIBE CHAIN LOSTSPRING

Chain LOSTSPRING contains:
LS001 LS002

Beginning chain LOSTSPRING description
==========

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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HORIZONTAL ALIGNMENT DATA

SHEET 4 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			98

USER: kcrabtree
DATE: 11/6/2024 2:08
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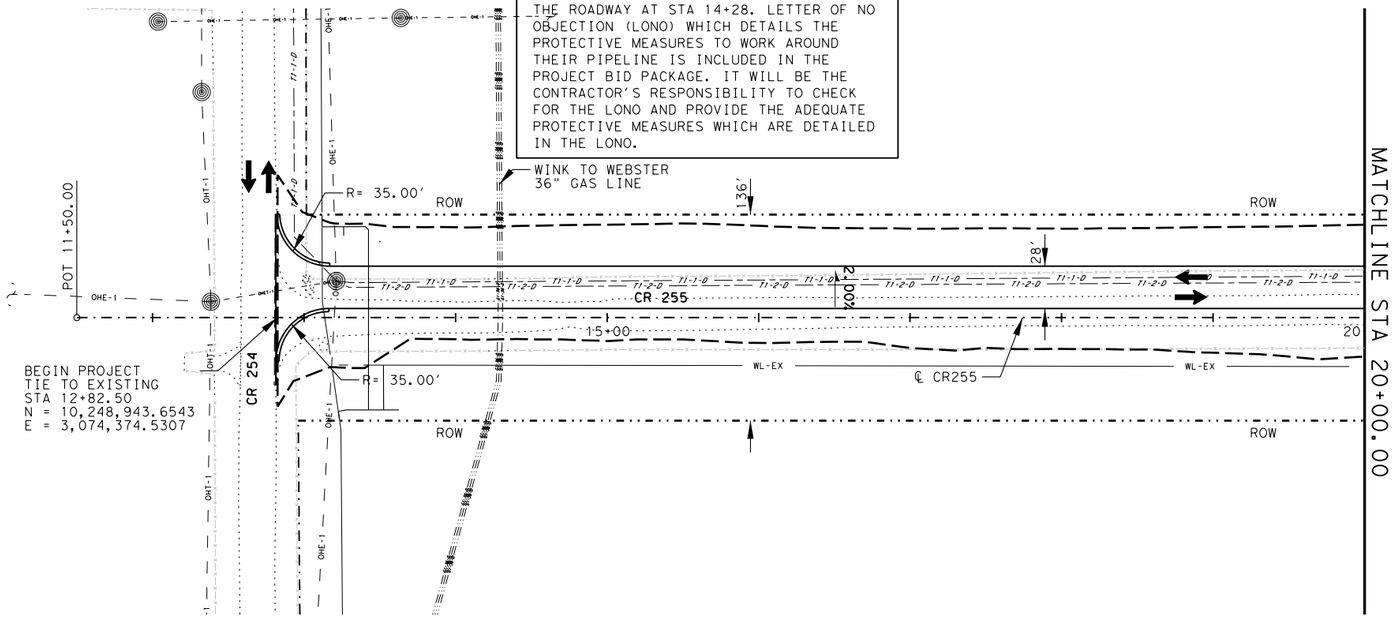
NOTE:

WINK TO WEBSTER 36" PIPELINE CROSSES THE ROADWAY AT STA 14+28. LETTER OF NO OBJECTION (LONO) WHICH DETAILS THE PROTECTIVE MEASURES TO WORK AROUND THEIR PIPELINE IS INCLUDED IN THE PROJECT BID PACKAGE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK FOR THE LONO AND PROVIDE THE ADEQUATE PROTECTIVE MEASURES WHICH ARE DETAILED IN THE LONO.



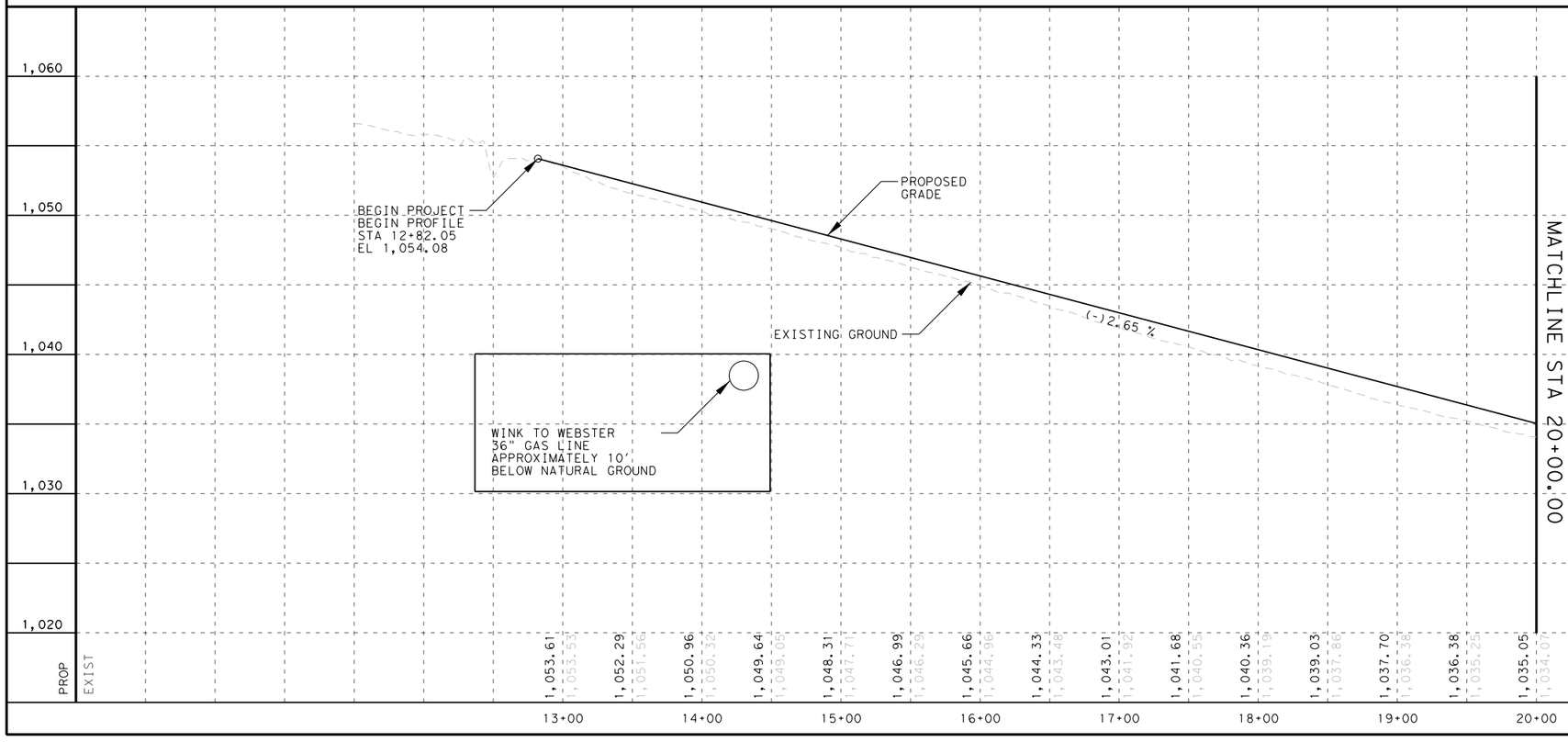
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-··-··-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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CR 255
PLAN & PROFILE
BEGINNING TO STA 20+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 1 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			99

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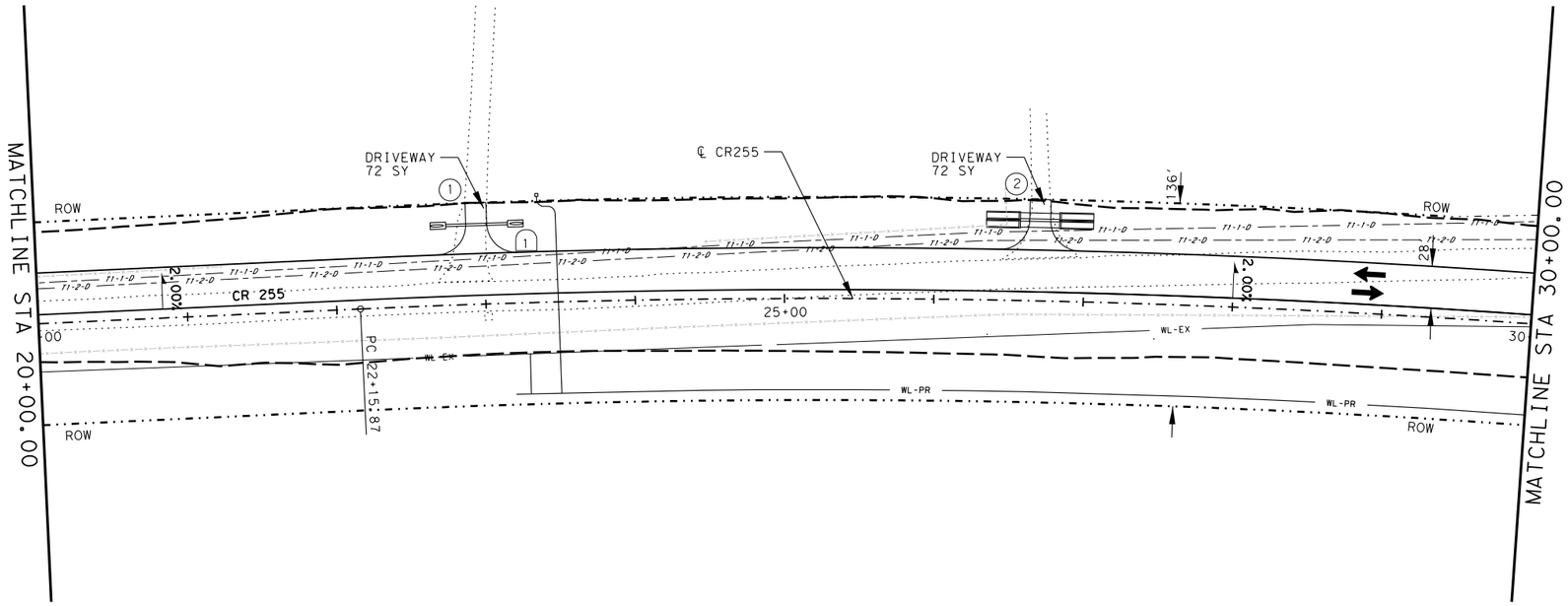




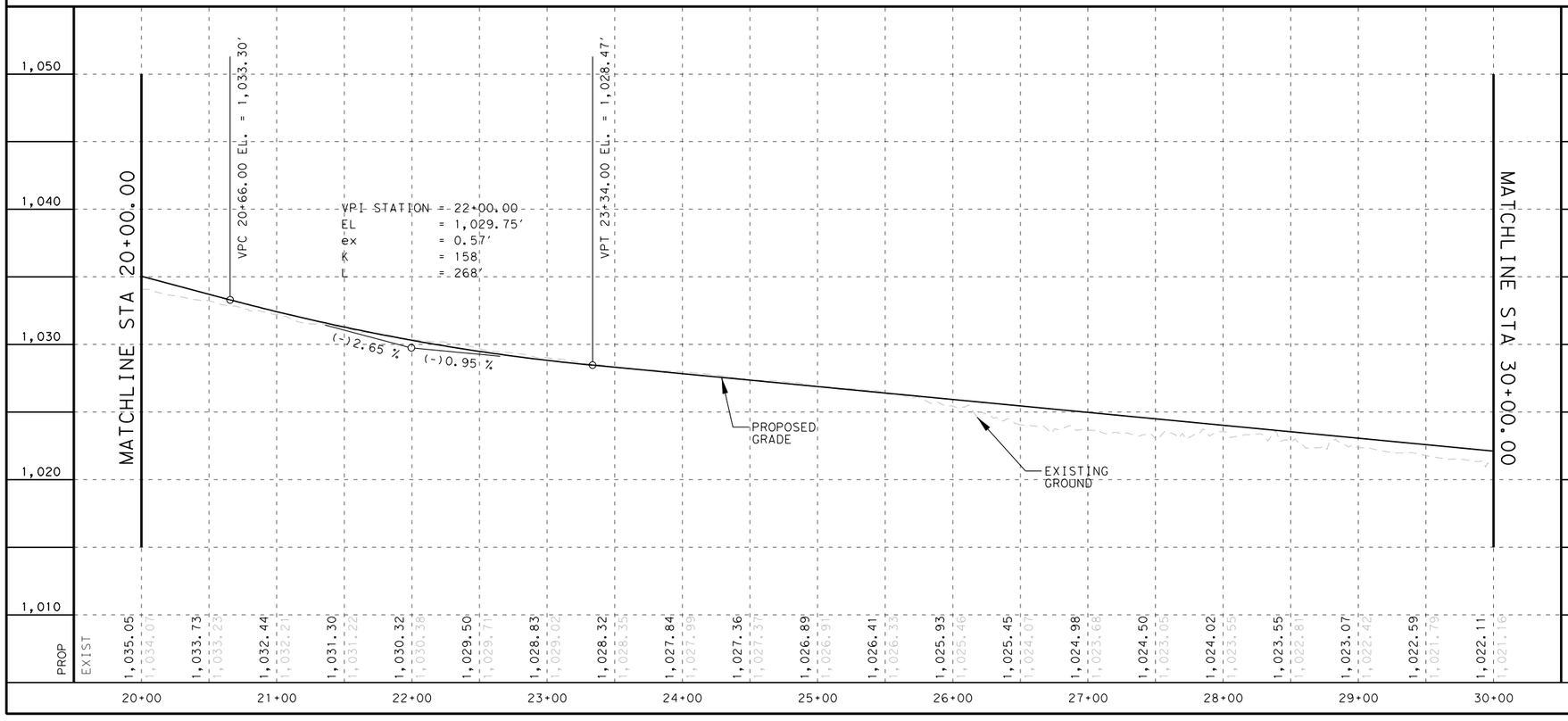
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x—x—x—x—x—x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
- · - · - · -	PROPERTY LINE
— — — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
[#]	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.





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CR 255
PLAN & PROFILE
STA 20+00 TO STA 30+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 2 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			100

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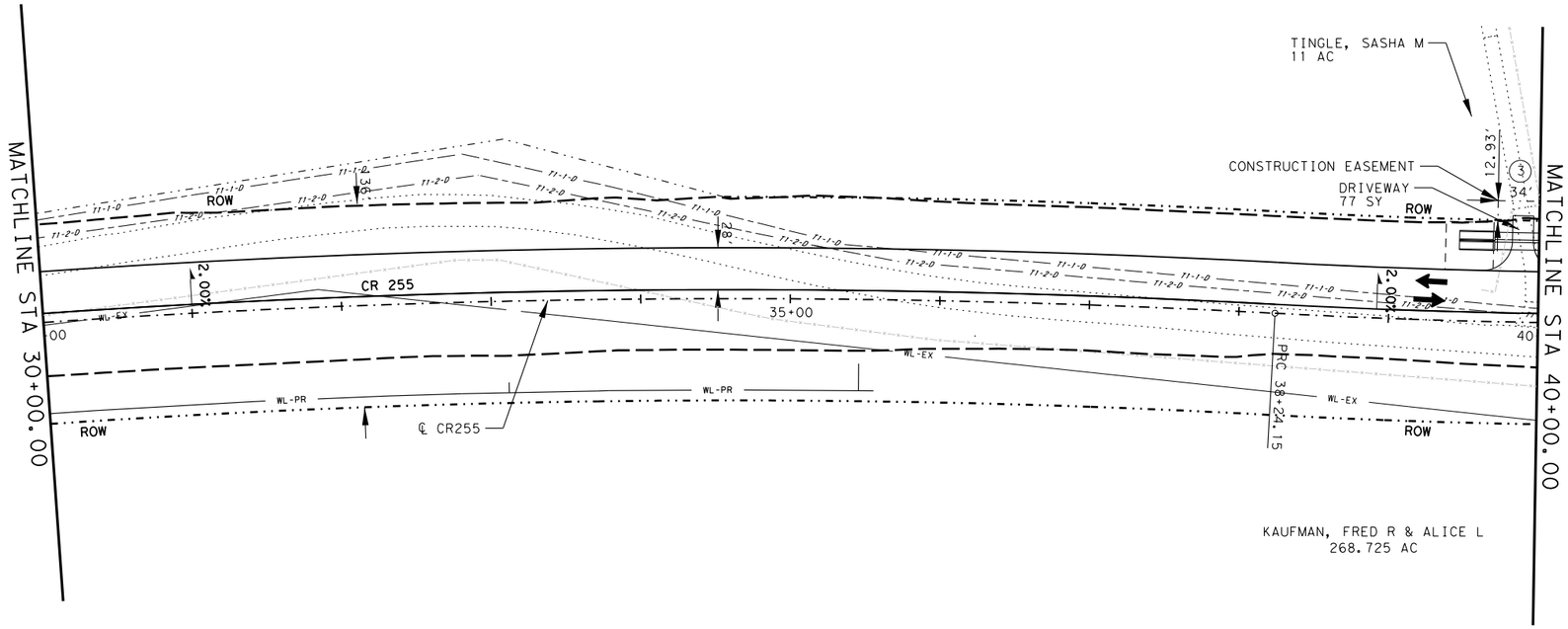


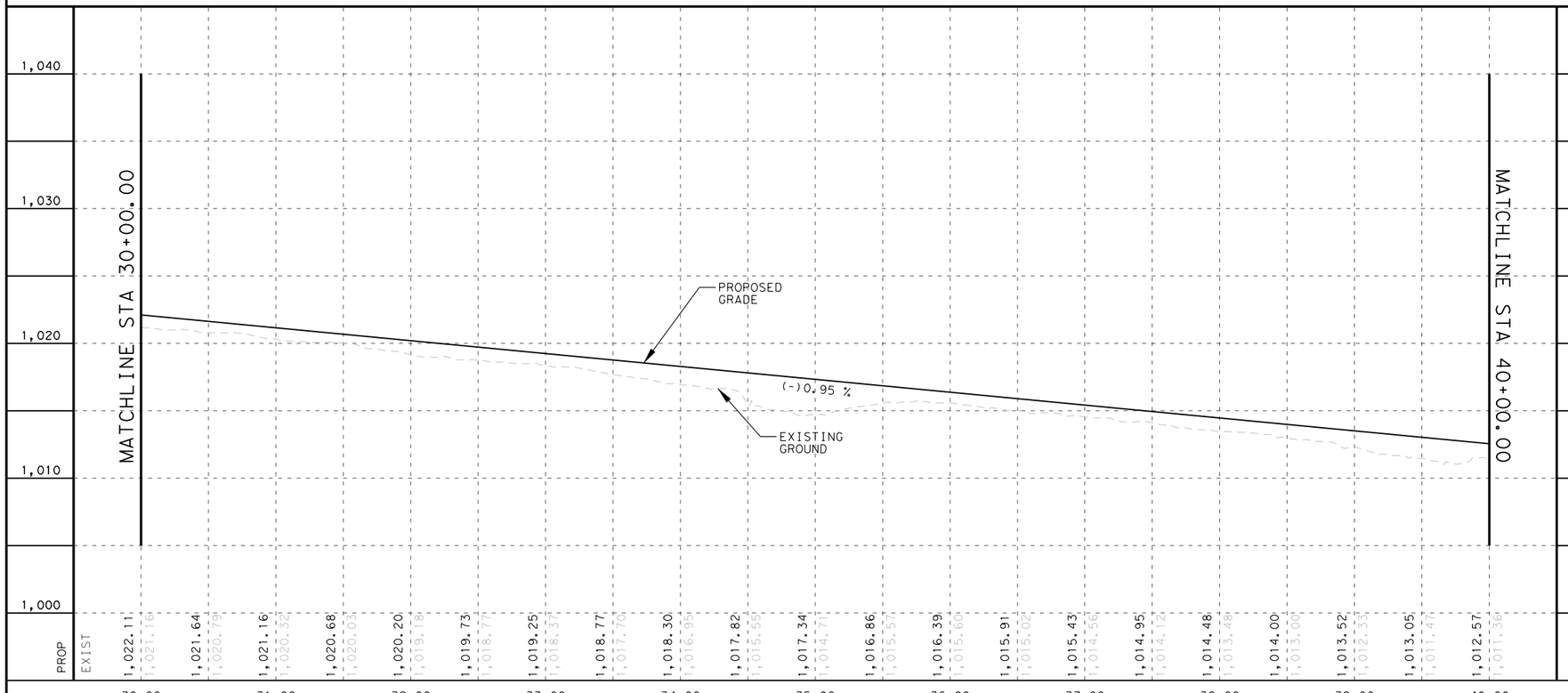
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
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CR 255
PLAN & PROFILE
STA 30+00 TO STA 40+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 3 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			101

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DATE: 11/6/2024 2:08
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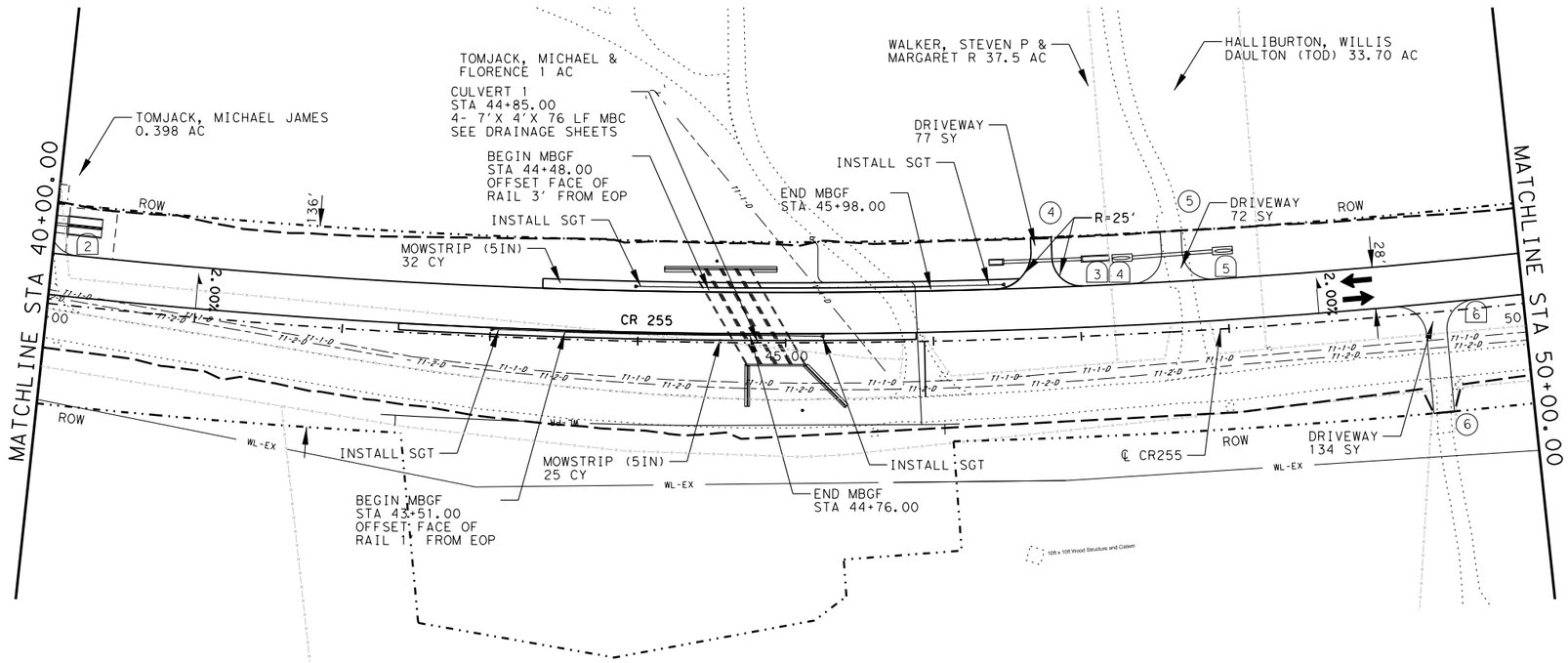


0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

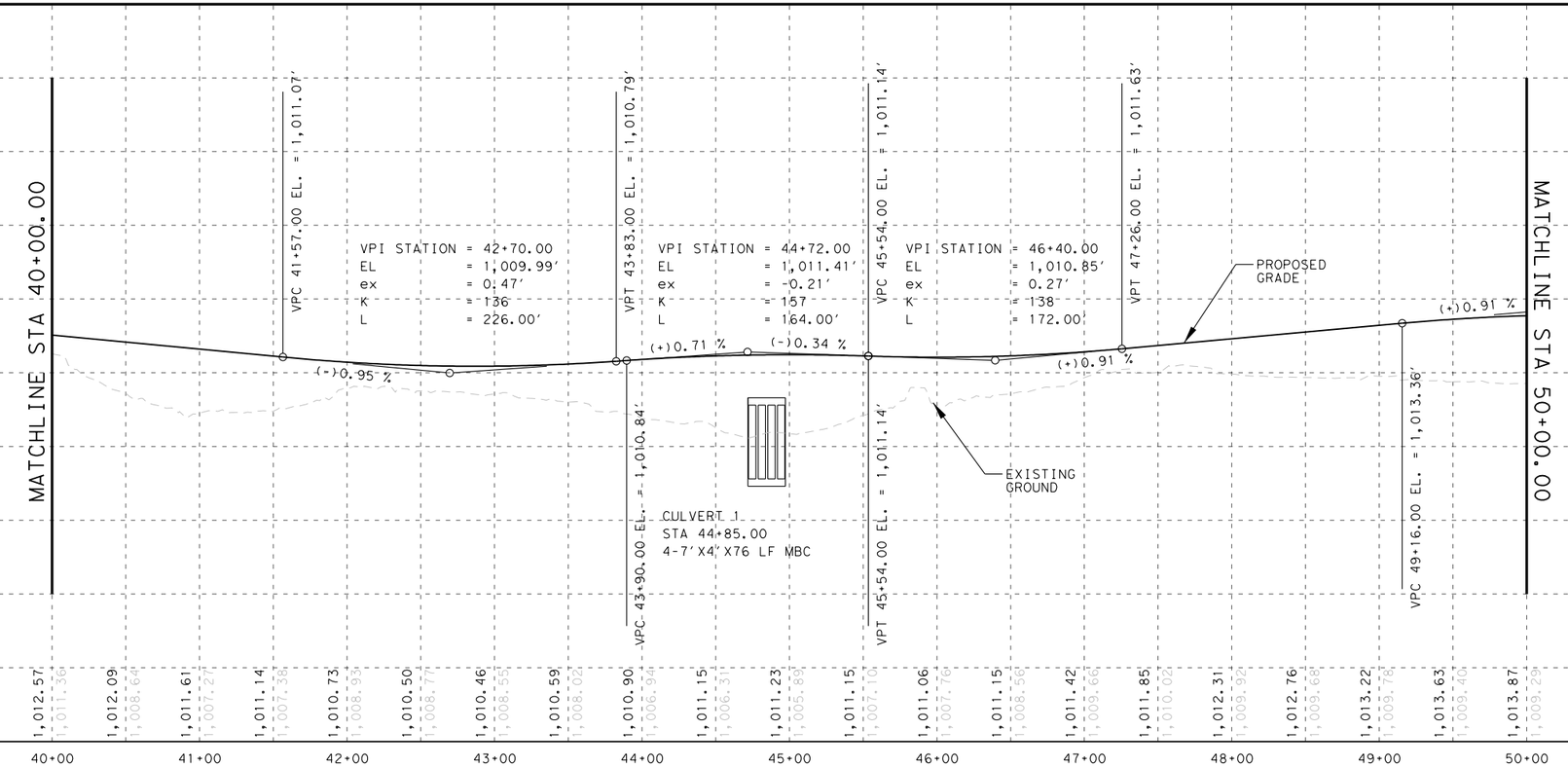
LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- T1-1-D — BURIED COMM(COPPER)
- T1-2-D — BURIED COMM(FIBER)
- WL-EX — EXISTING WATERLINE
- WL-PR — PROPOSED WATERLINE
- PROPERTY LINE
- CONSTRUCTION LIMITS
- (#) DRIVEWAY
- [#] MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.

ADDENDUM #2



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS

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CR 255
PLAN & PROFILE
STA 40+00 TO STA 50+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 4 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			102

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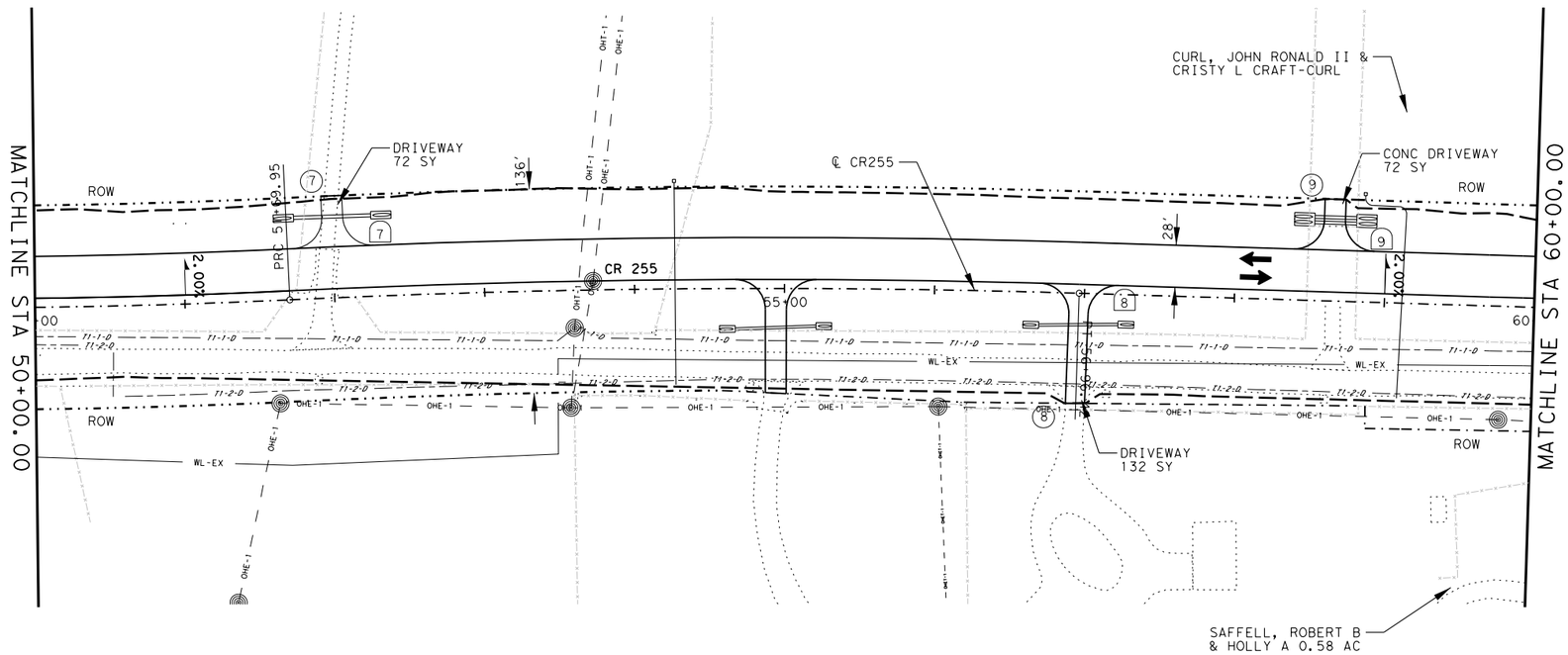


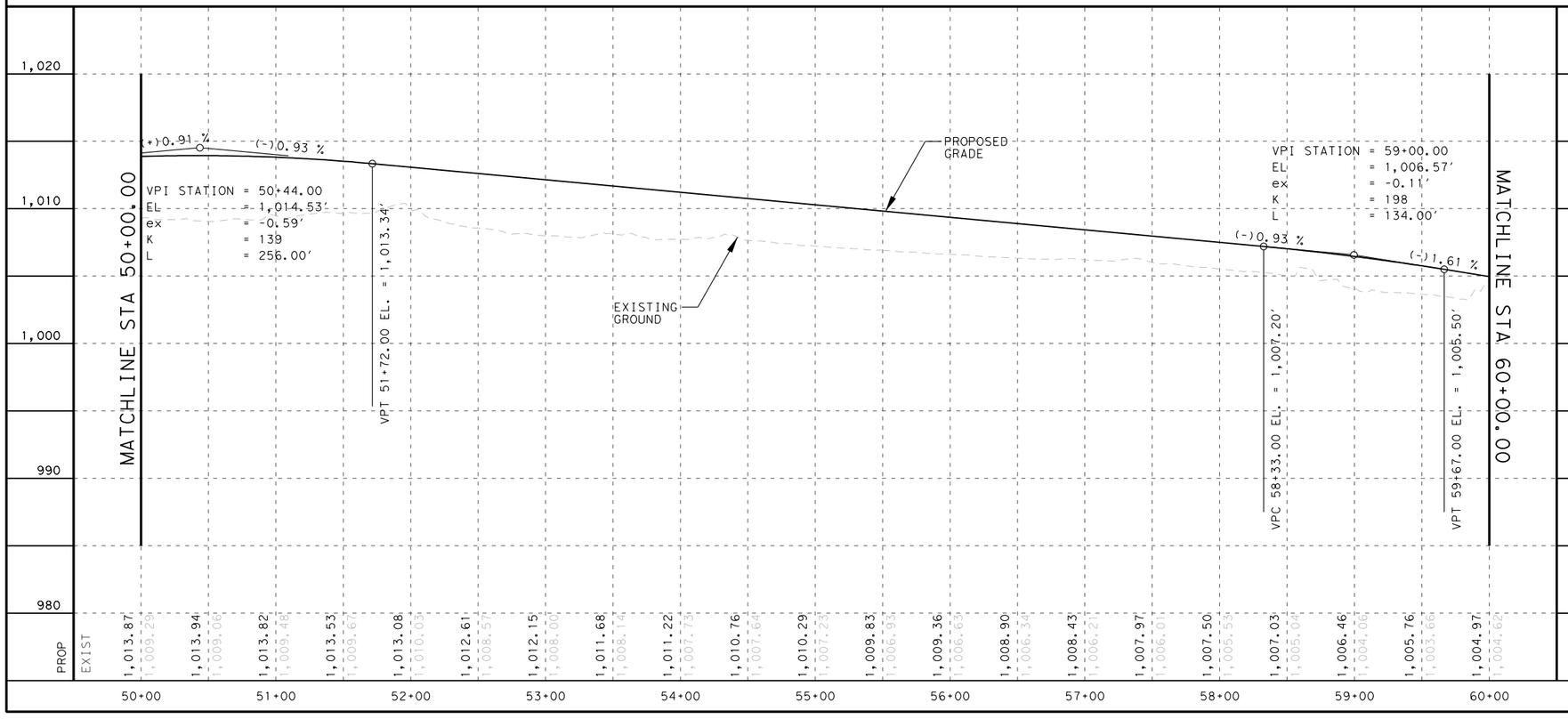
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

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CR 255
PLAN & PROFILE
STA 50+00 TO STA 60+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 5 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			103

USER: korahoske
DATE: 11/6/2024 2:09
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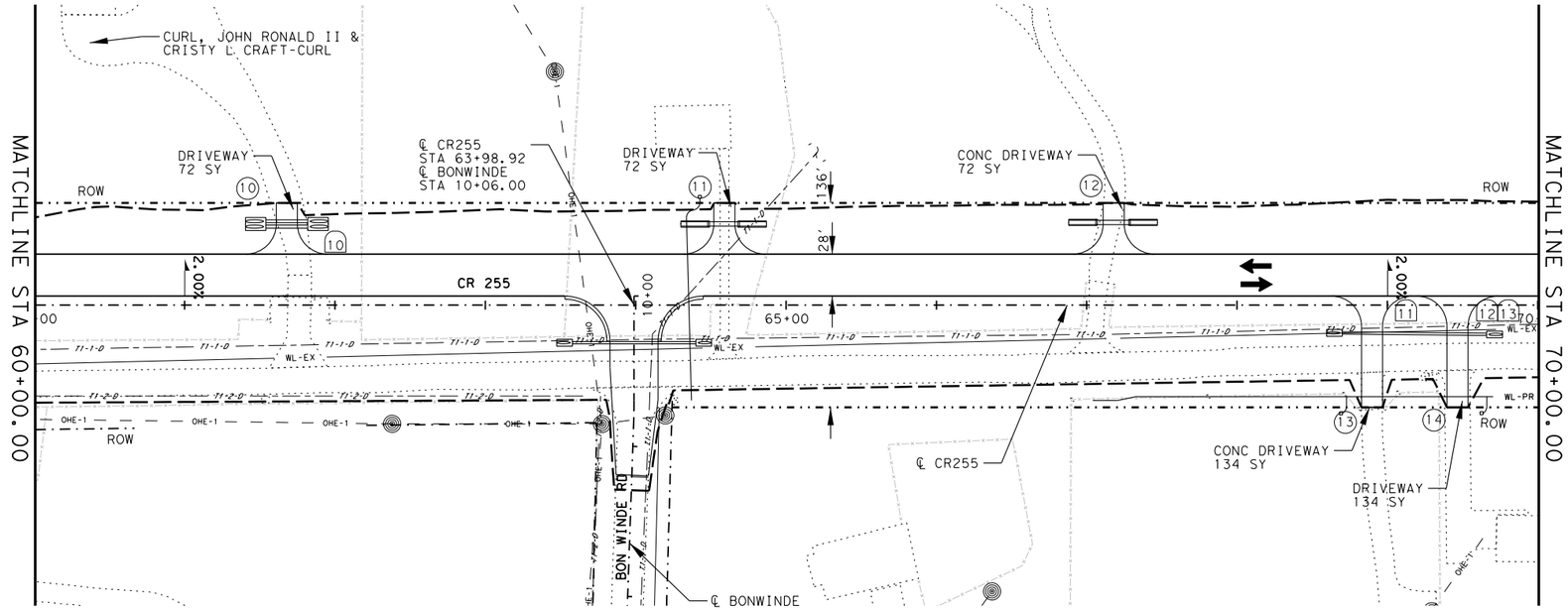


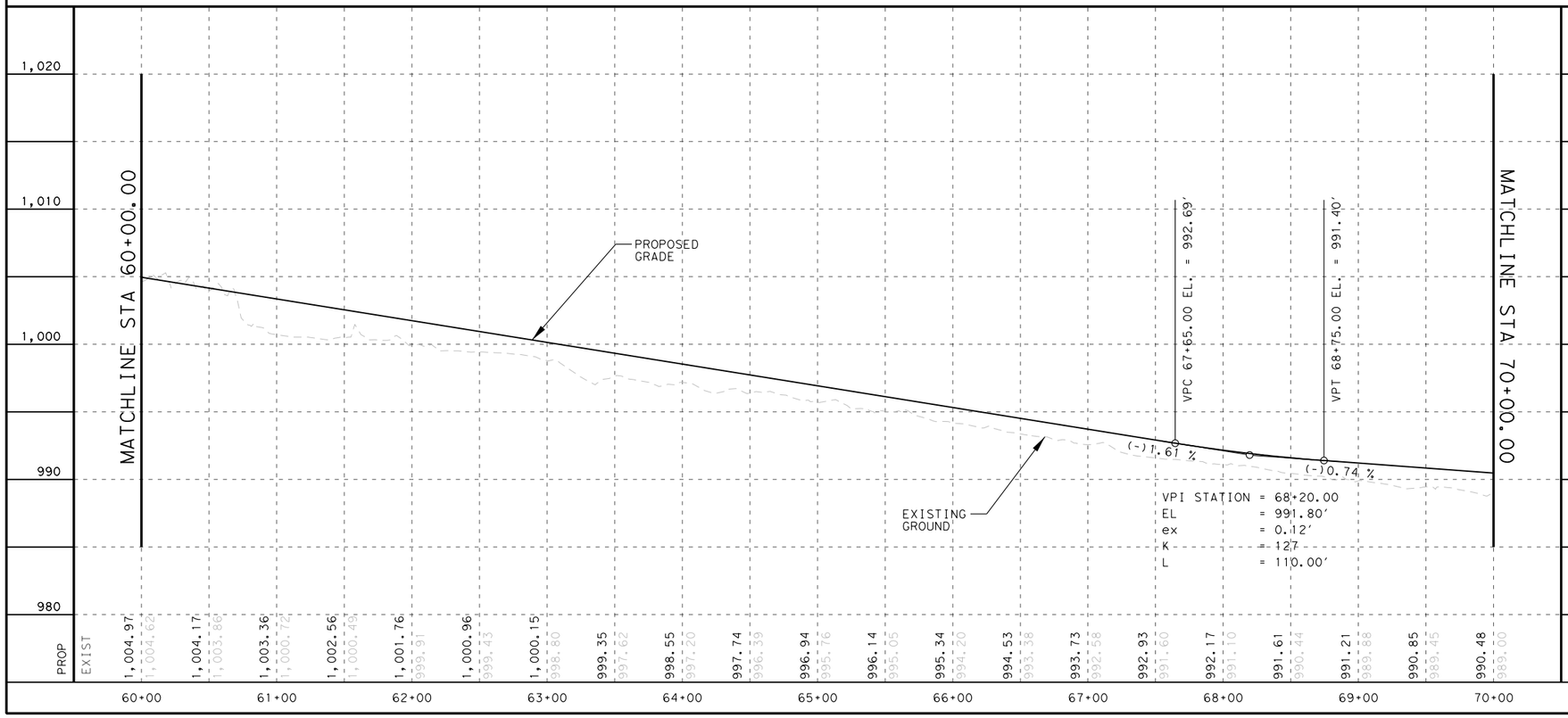
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 60+00 TO STA 70+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 6 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			104

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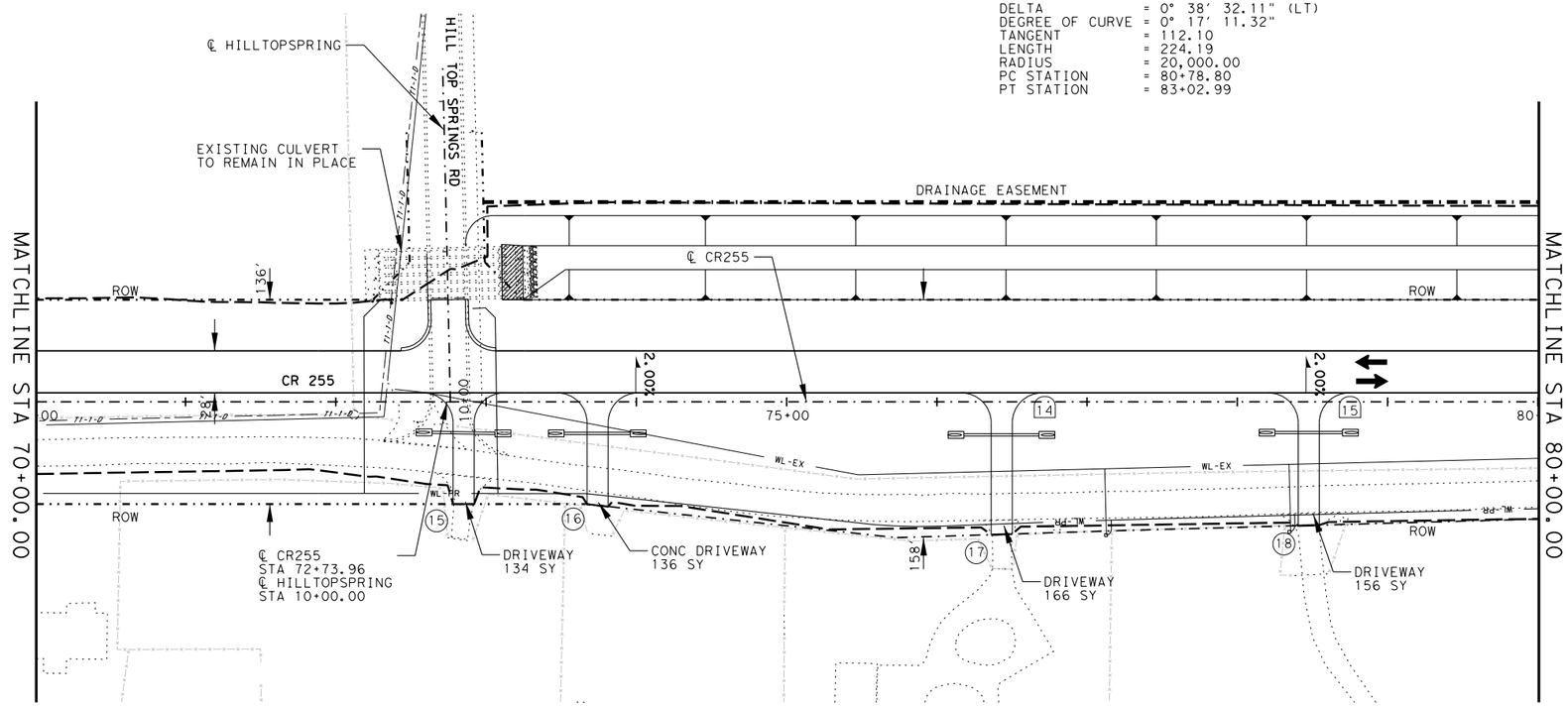


PI STATION = 81+90.90
DELTA = 0° 38' 32.11" (LT)
DEGREE OF CURVE = 0° 17' 11.32"
TANGENT = 112.10
LENGTH = 224.19
RADIUS = 20,000.00
PC STATION = 80+78.80
PT STATION = 83+02.99

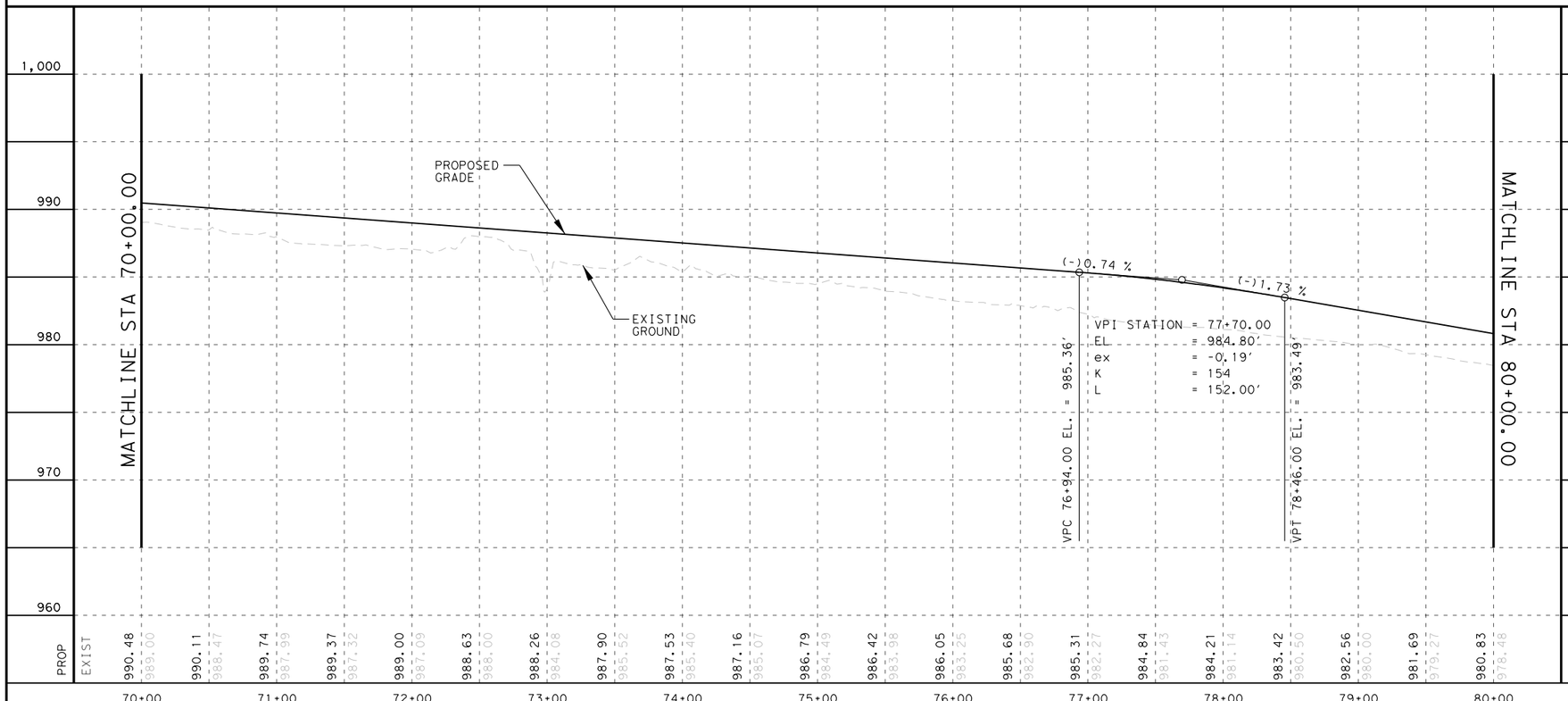
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- T1-1-D — BURIED COMM(COPPER)
- T1-2-D — BURIED COMM(FIBER)
- WL-EX — EXISTING WATERLINE
- WL-PR — PROPOSED WATERLINE
- PROPERTY LINE
- CONSTRUCTION LIMITS
- (#) DRIVEWAY
- (#) MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

WILCO TEXAS

Seiler Lankes Group TBPE License No. 12670
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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

CR 255
PLAN & PROFILE
STA 70+00 TO STA 80+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 7 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			105

USER: korahoske
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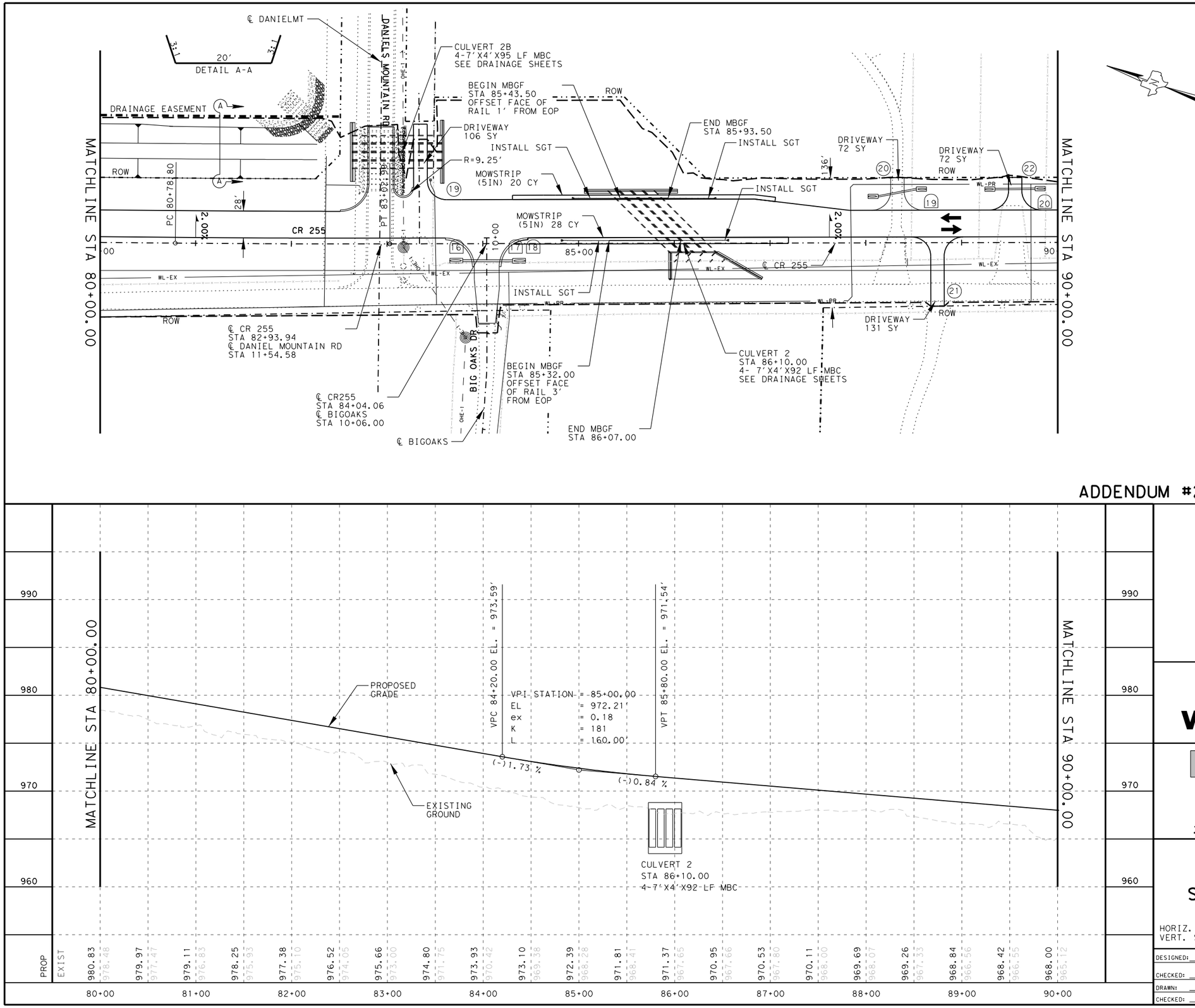

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

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ADDENDUM #2

STATE OF TEXAS
GERALD A. LANKES
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LICENSED
PROFESSIONAL ENGINEER
12/12/2024

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CR 255
PLAN & PROFILE
STA 80+00 TO STA 90+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 8 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			106

USER: eguilierrez
DATE: 12/12/2024 3:44
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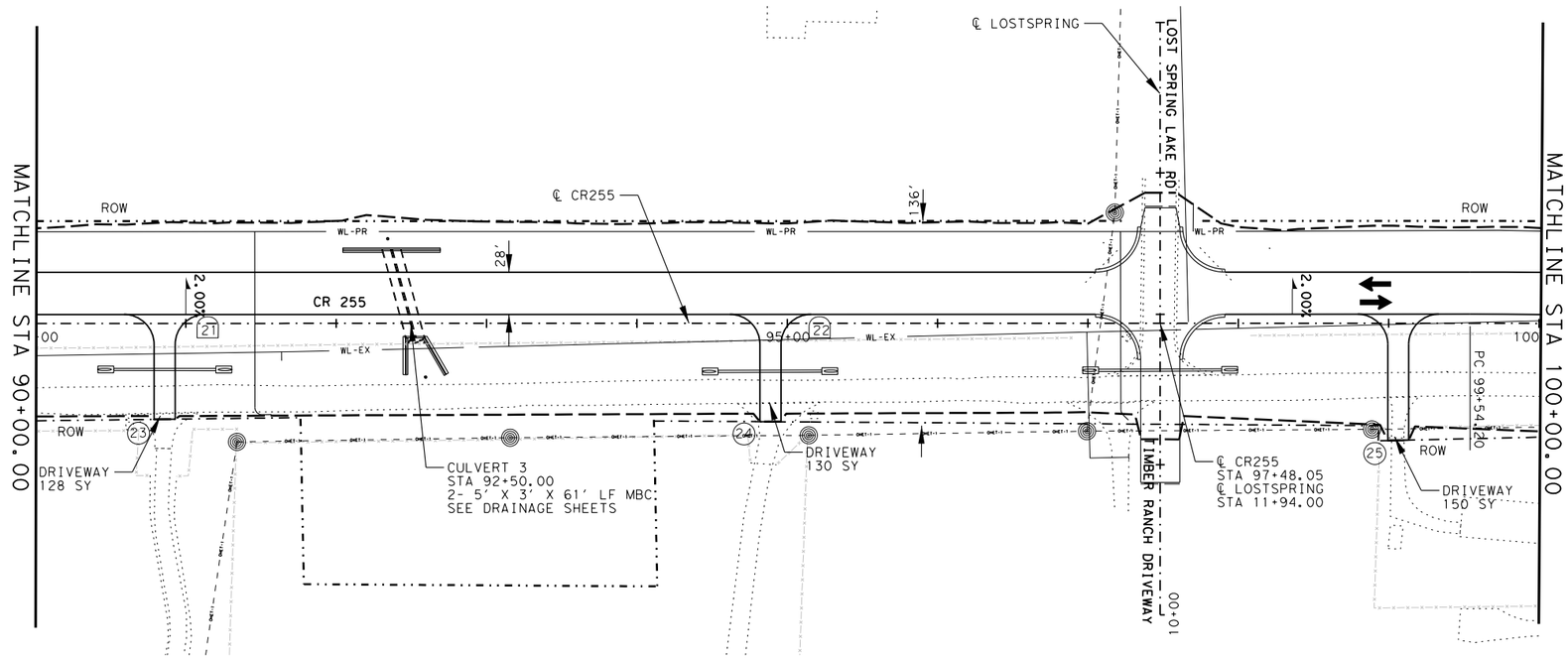

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
[#]	MAILBOX ASSEMBLY NUMBER

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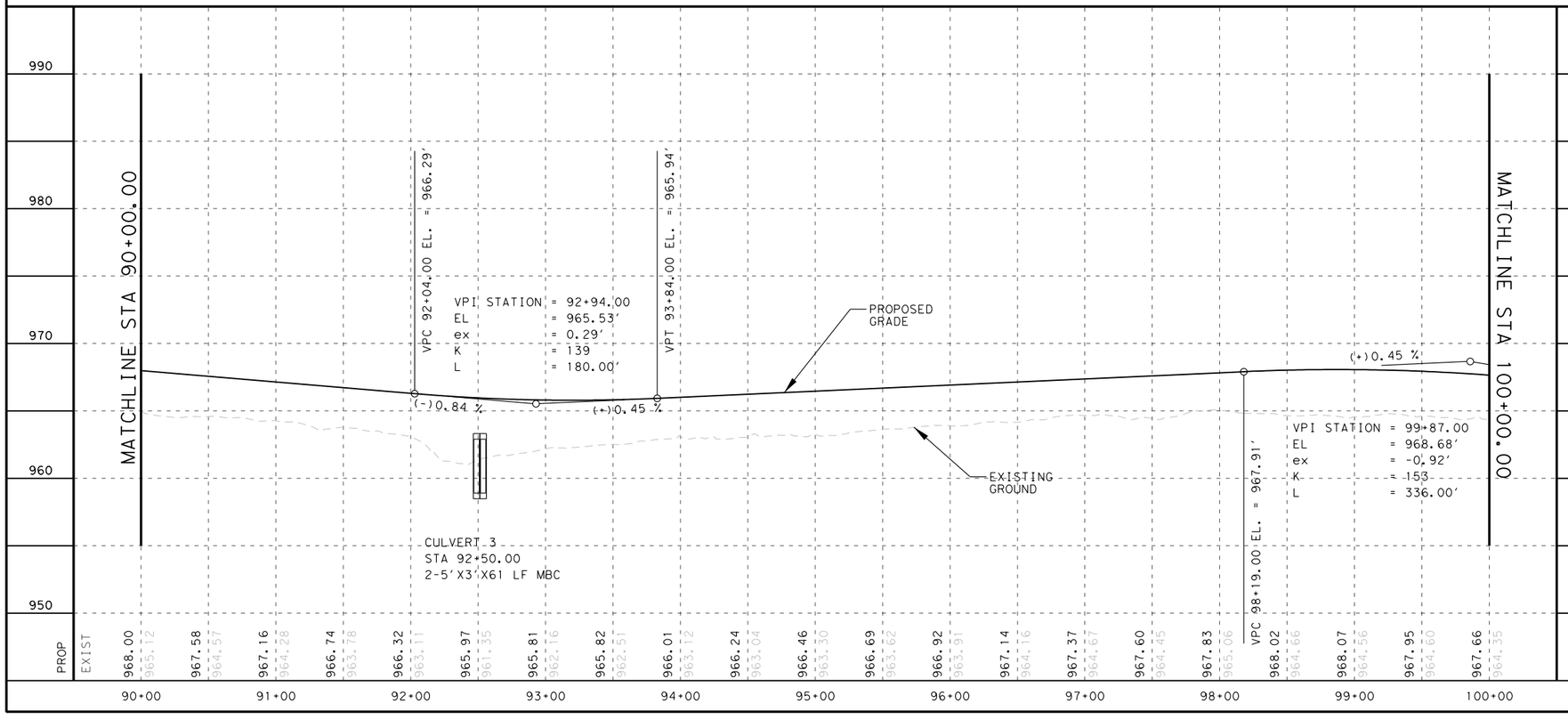

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
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PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 90+00 TO STA 100+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 9 OF 16

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			107

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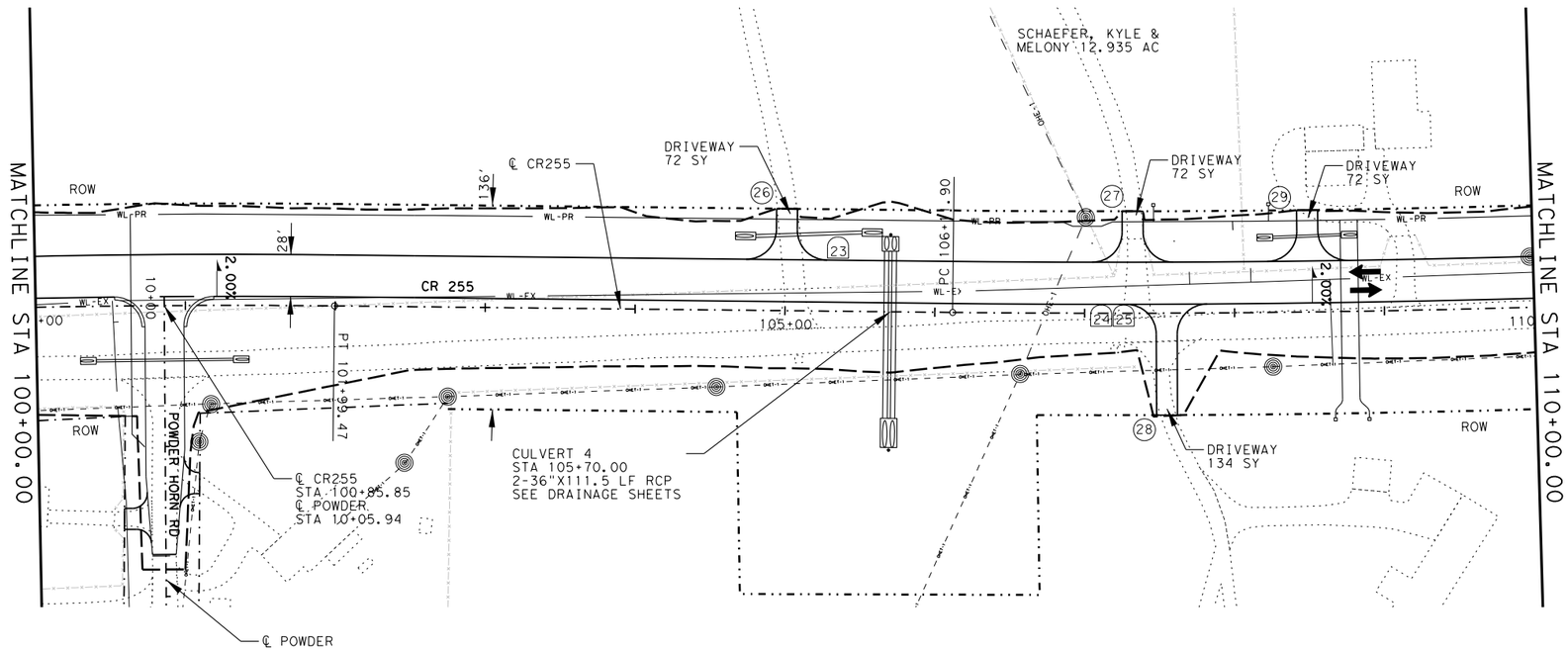

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- T1-1-D — BURIED COMM(COPPER)
- T1-2-D — BURIED COMM(FIBER)
- WL-EX — EXISTING WATERLINE
- WL-PR — PROPOSED WATERLINE
- PROPERTY LINE
- CONSTRUCTION LIMITS
- (#) DRIVEWAY
- (#) MAILBOX ASSEMBLY NUMBER

NOTES:

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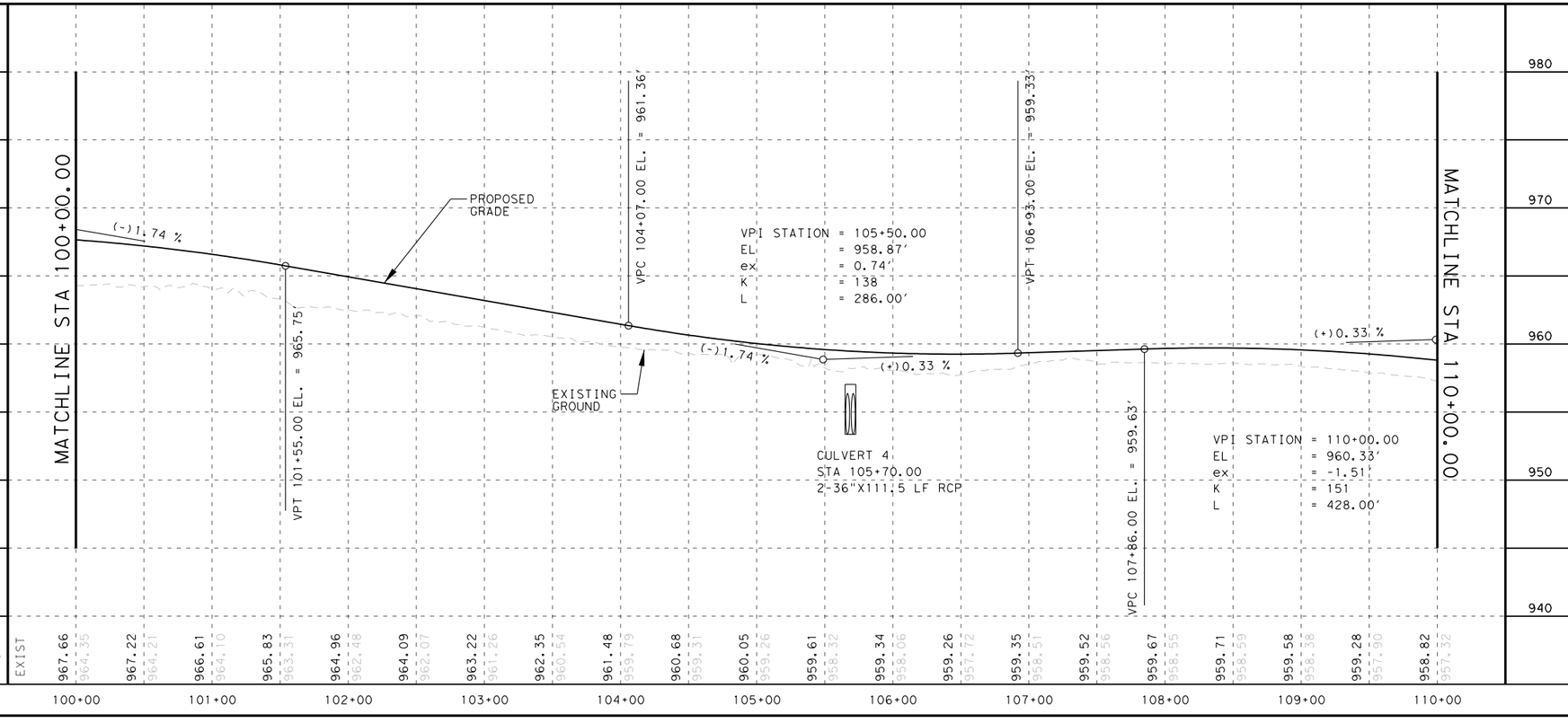

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

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WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
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PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 100+00 TO STA 110+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 10 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			108

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DATE: 11/6/2024
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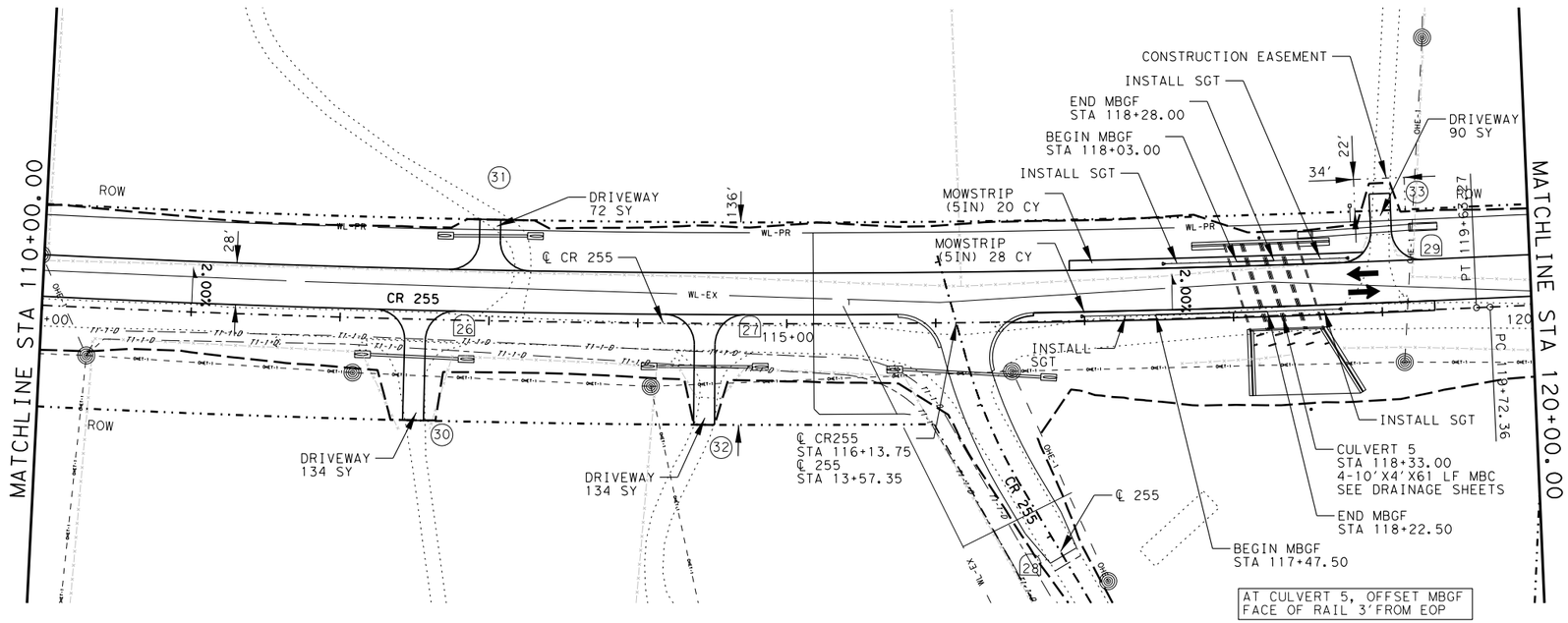

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

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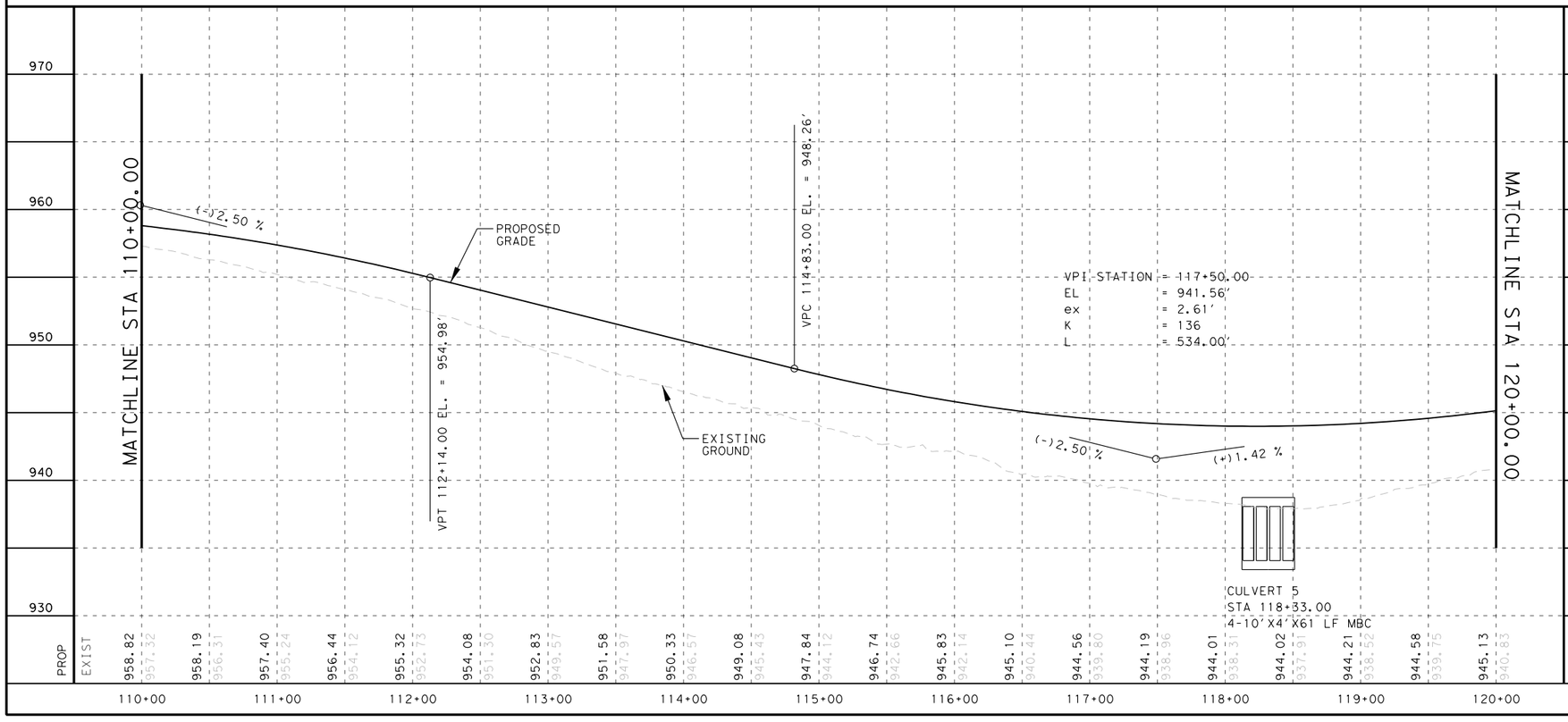
ADDENDUM #2



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
12/12/2024

WILCO TEXAS

WILLIAMSON COUNTY
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Seiler Lankes Group
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CR 255
PLAN & PROFILE
STA 110+00 TO STA 120+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 11 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			109

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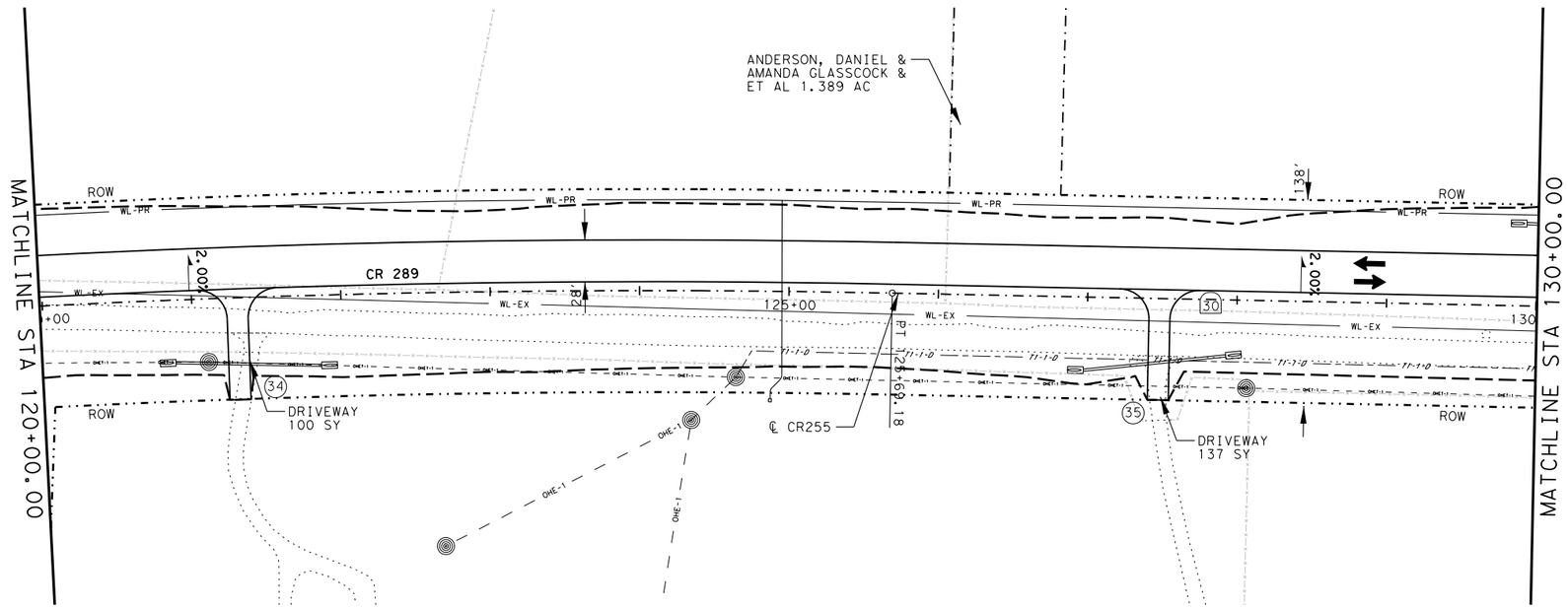

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- TI-1-D — BURIED COMM(COPPER)
- TI-2-D — BURIED COMM(FIBER)
- WL-EX — EXISTING WATERLINE
- WL-PR — PROPOSED WATERLINE
- PROPERTY LINE
- CONSTRUCTION LIMITS
- (#) DRIVEWAY
- (#) MAILBOX ASSEMBLY NUMBER

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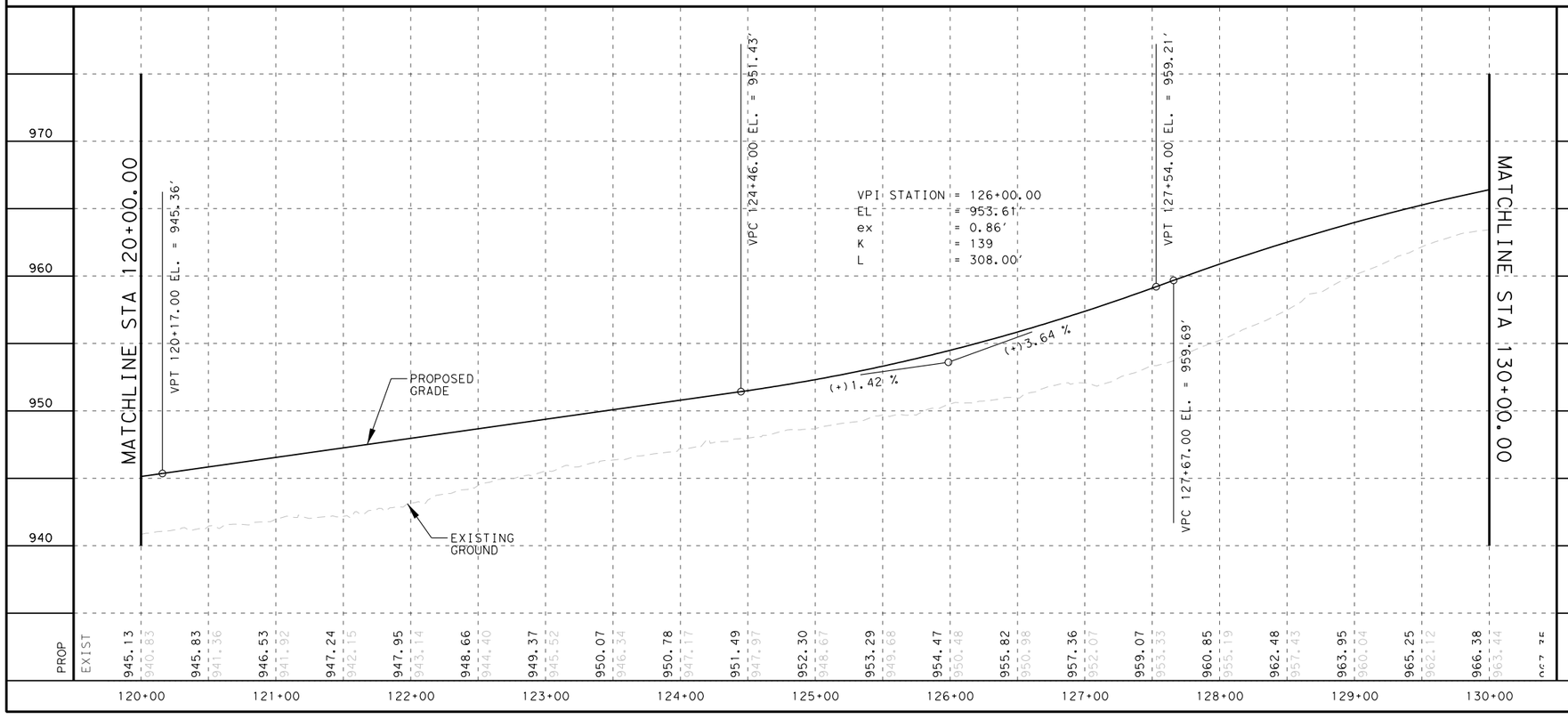

STATE OF TEXAS
GERALD A. LANKES
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11/6/2024

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CR 255
PLAN & PROFILE
STA 120+00 TO STA 130+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 12 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			110

USER: korathoske
DATE: 11/6/2024
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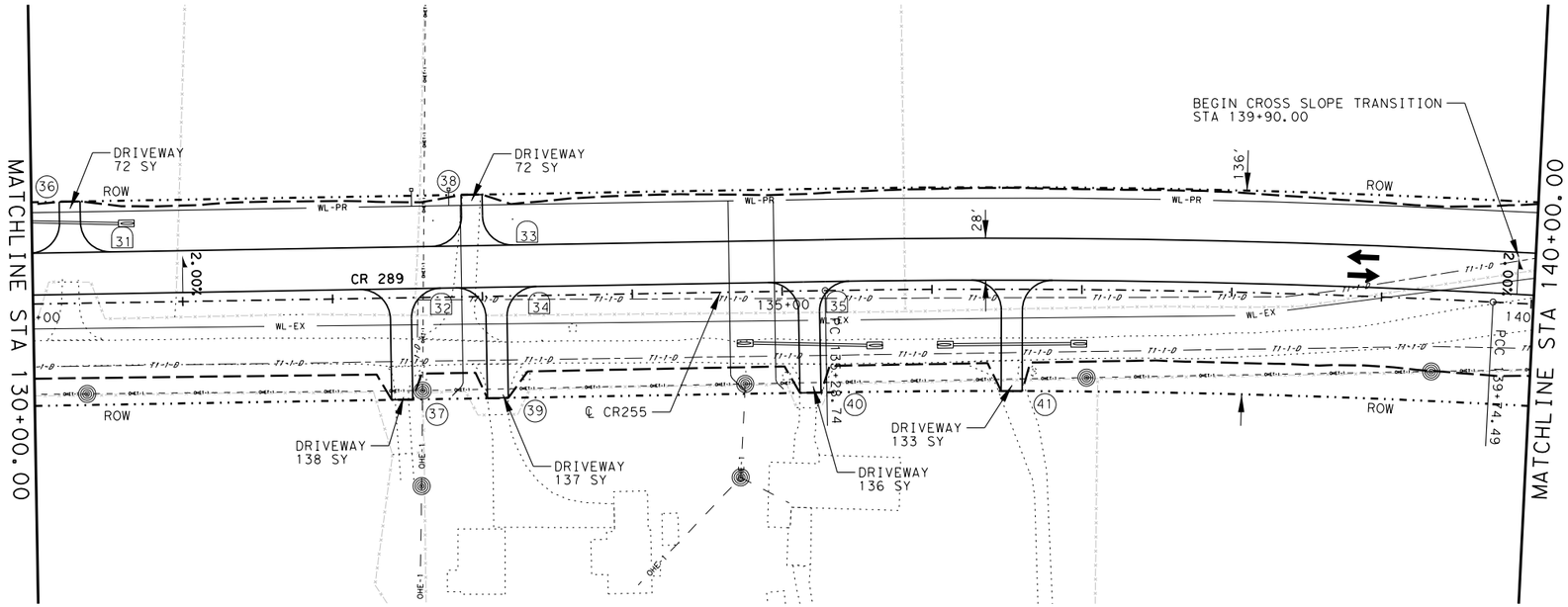

0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x—x—x—x—x—x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
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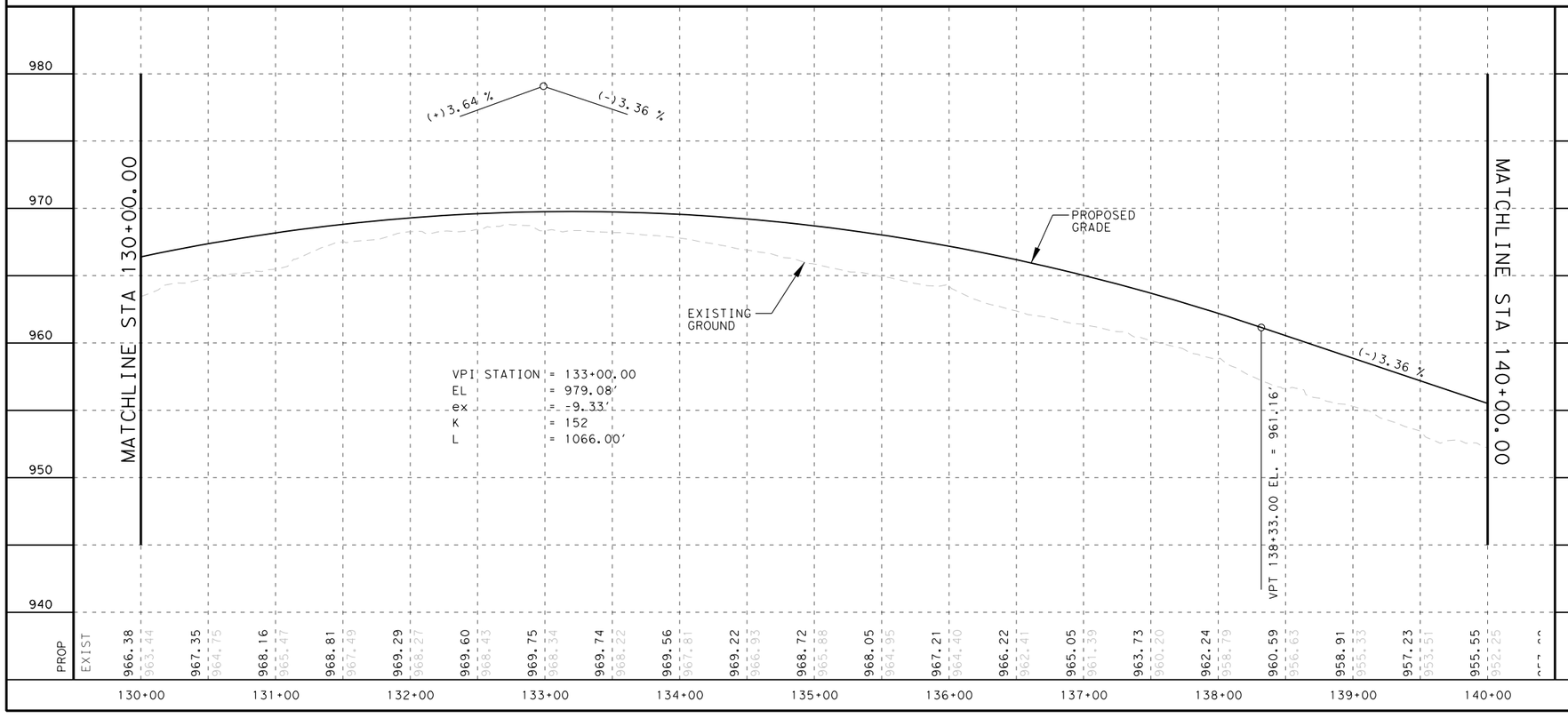

STATE OF TEXAS
GERALD A. LANKES
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CR 255
PLAN & PROFILE
STA 130+00 TO STA 140+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 13 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			111

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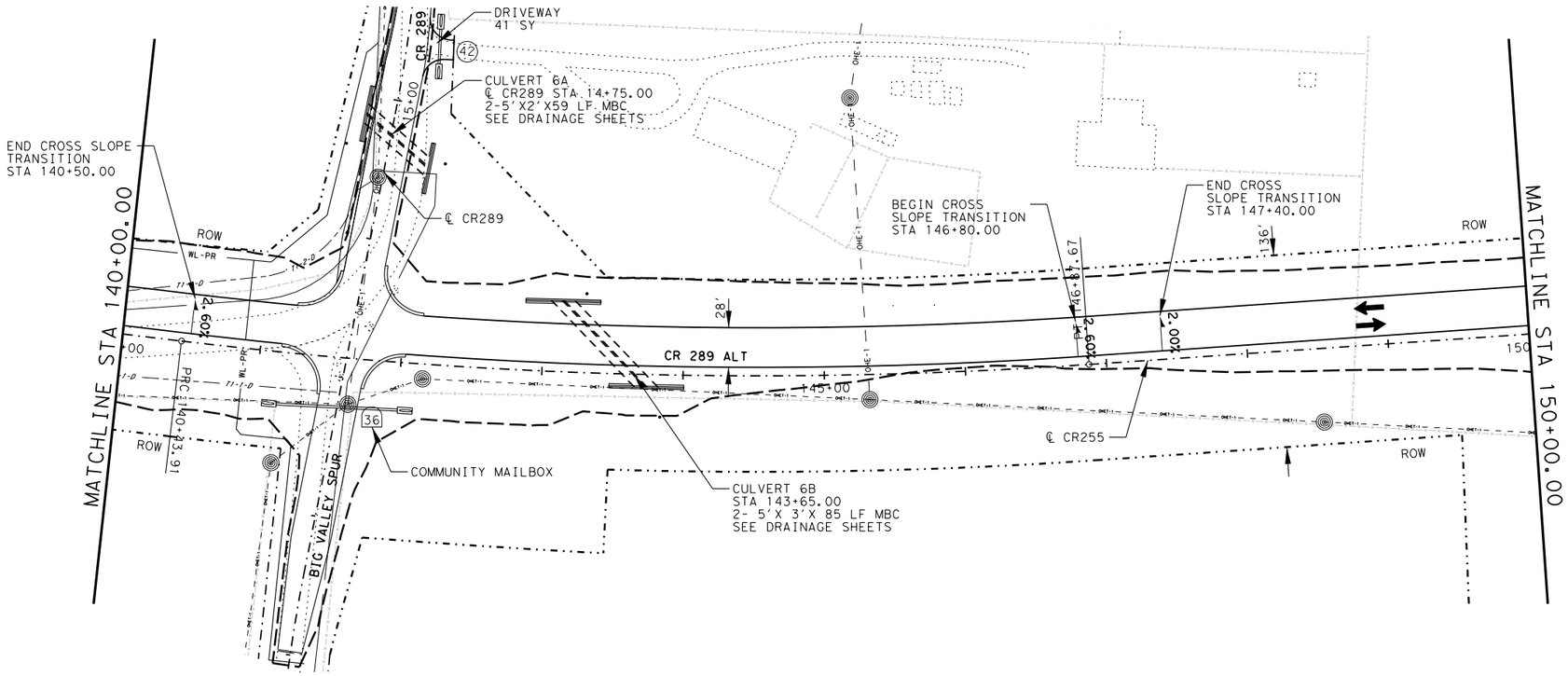

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- T1-1-D — BURIED COMM(COPPER)
- T1-2-D — BURIED COMM(FIBER)
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- CONSTRUCTION LIMITS
- (#) DRIVEWAY
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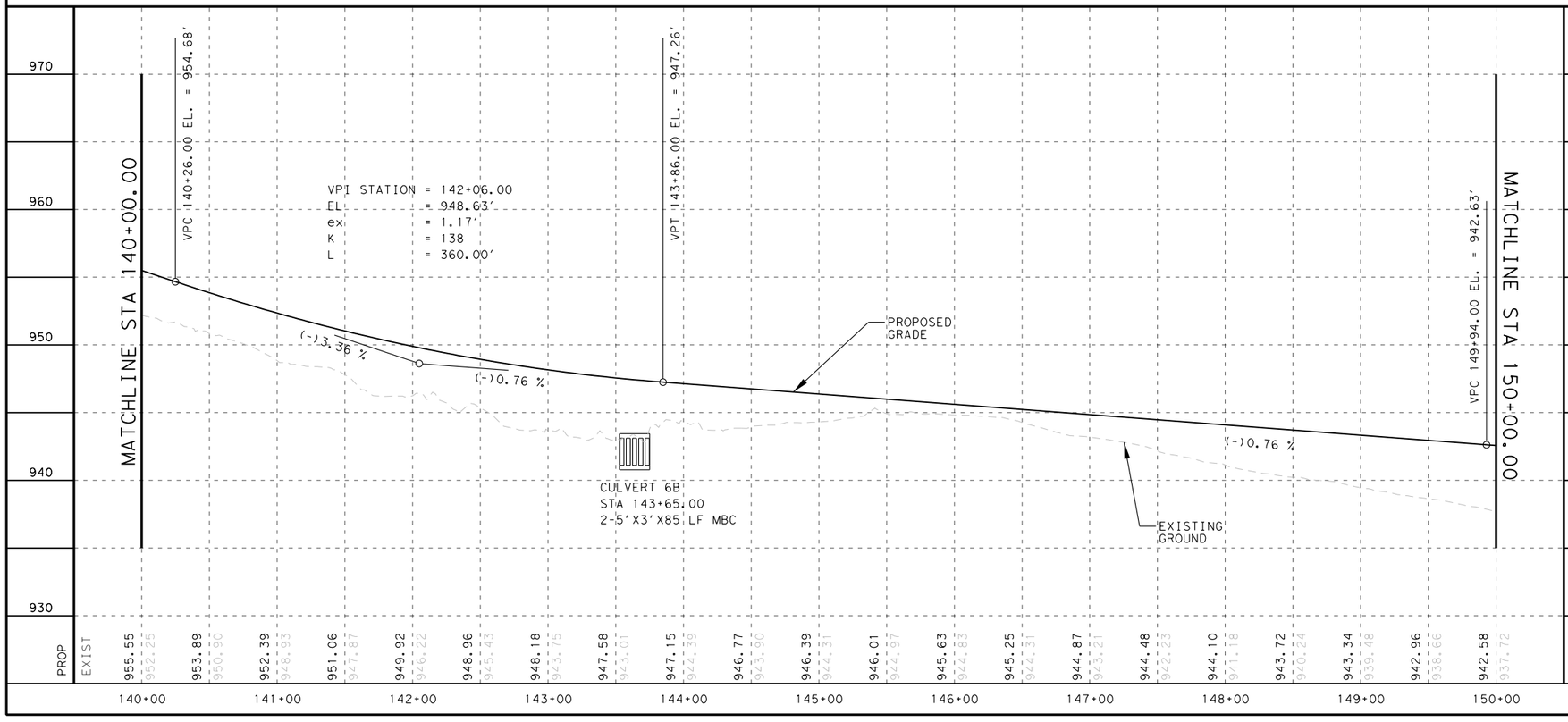

STATE OF TEXAS
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LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 140+00 TO STA 150+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 14 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			112

USER: korathoske
DATE: 11/6/2024
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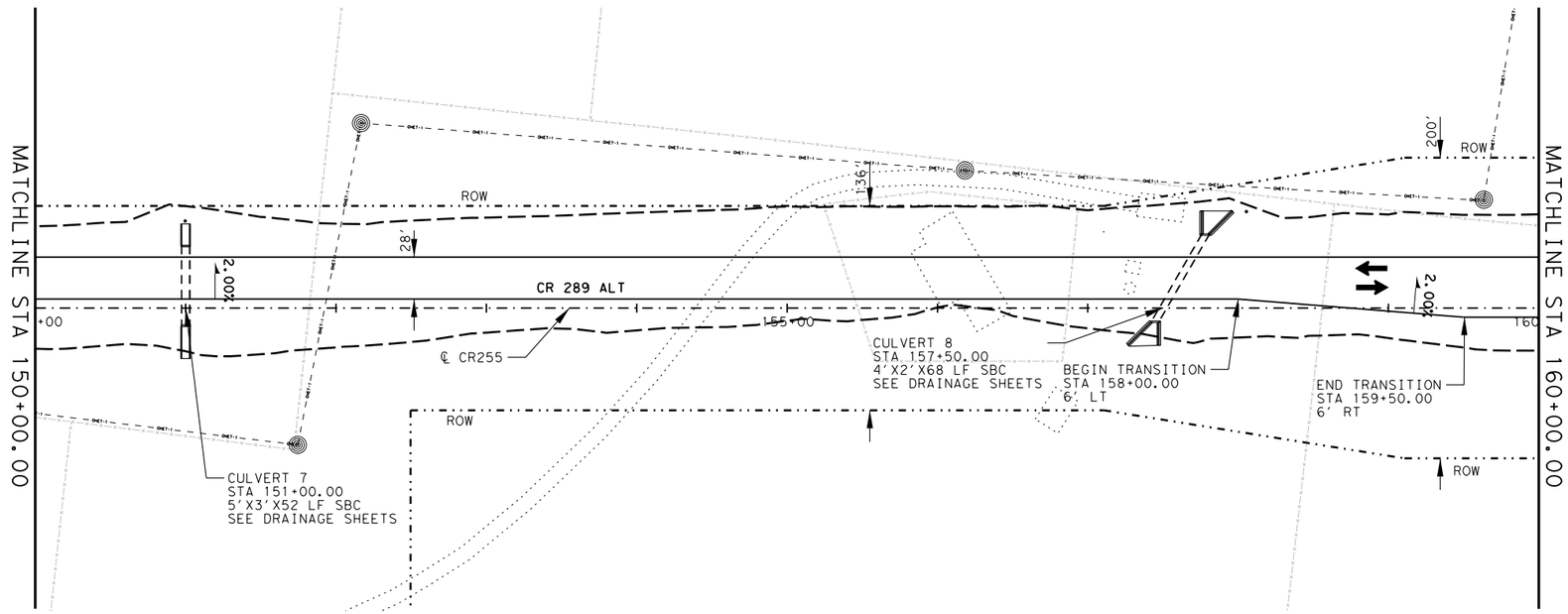


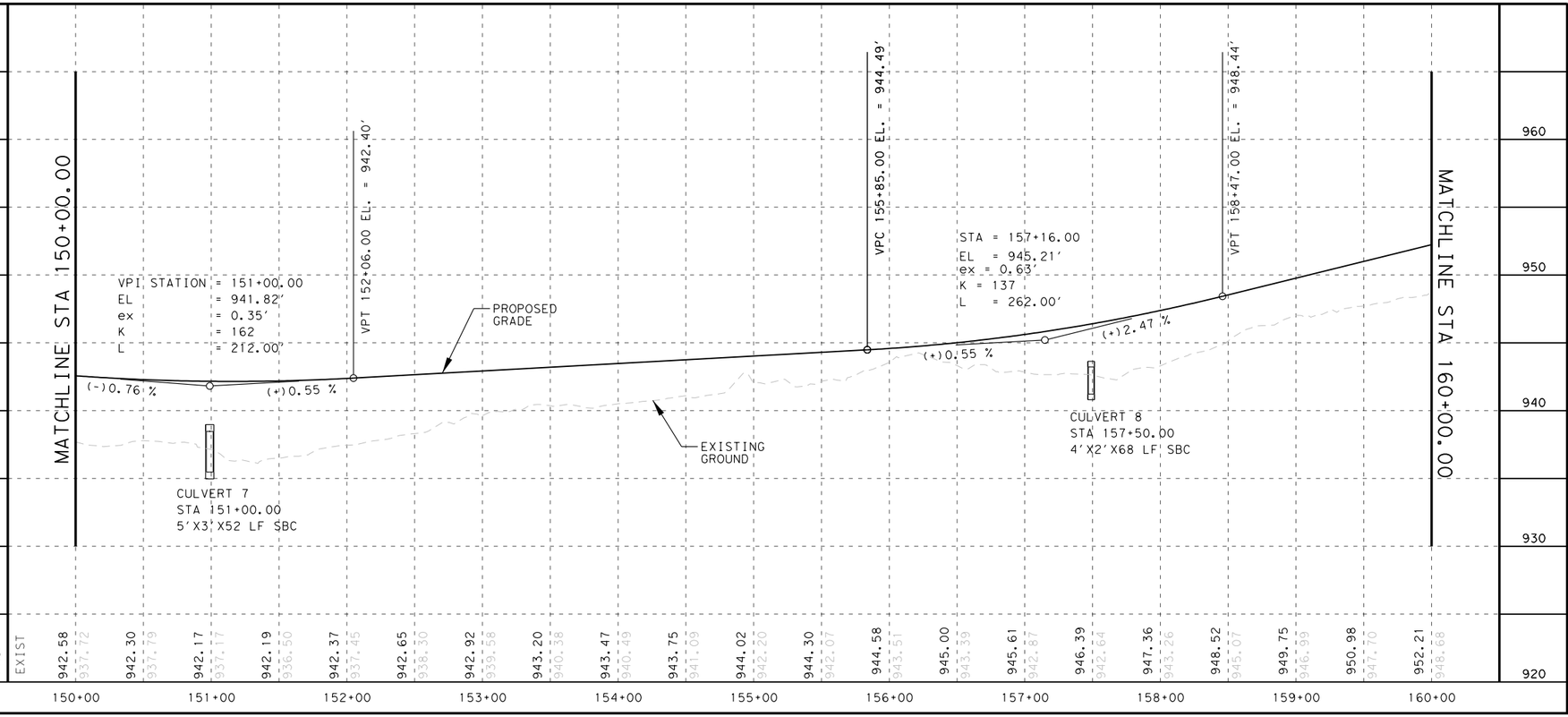
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x—x—x—x—x—x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 150+00 TO STA 160+00

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 15 OF 16

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			113

USER: korahoske
DATE: 11/6/2024 2:09
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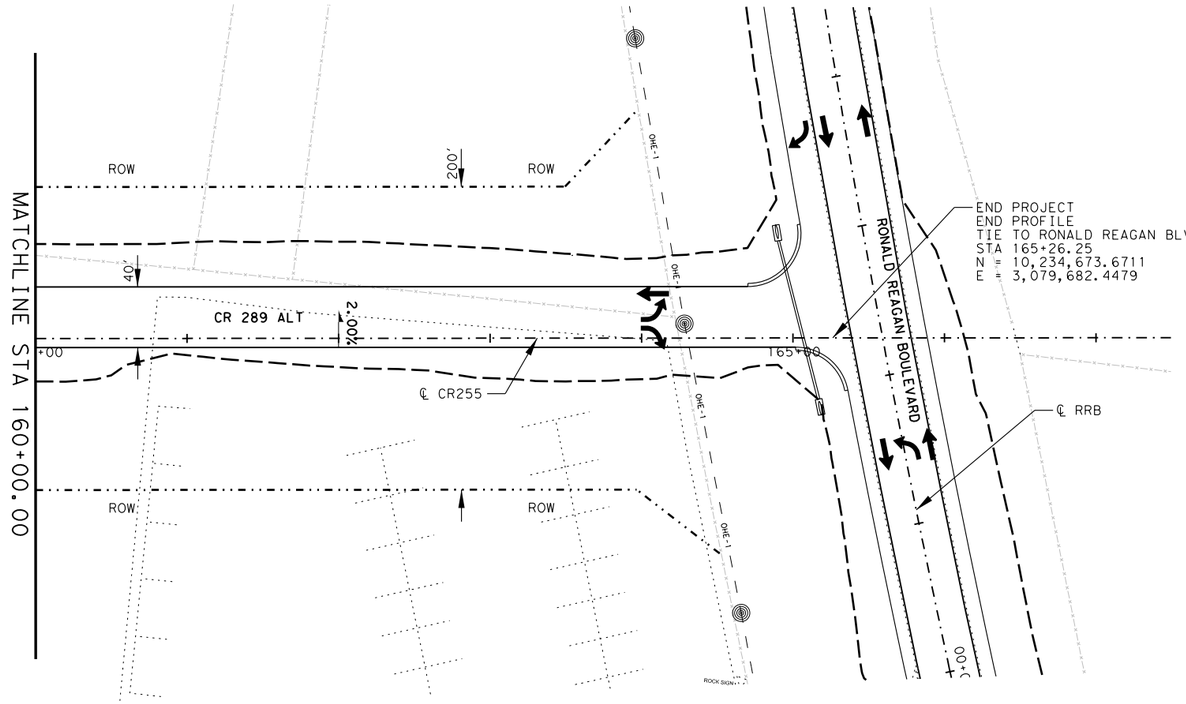


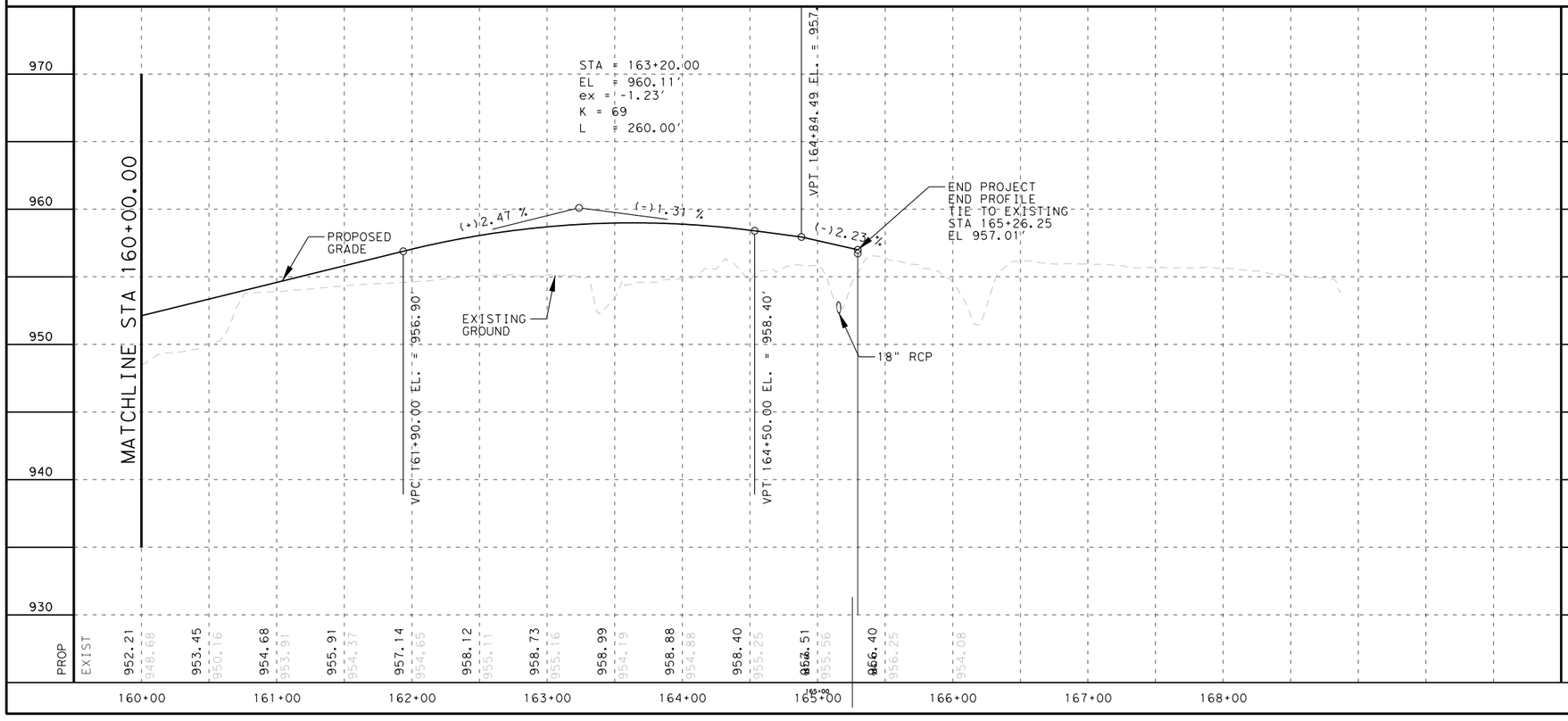
0 50 100
0 5 10
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
STA 160+00 TO END

HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'

SHEET 16 OF 16

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			114

USER: korahoske
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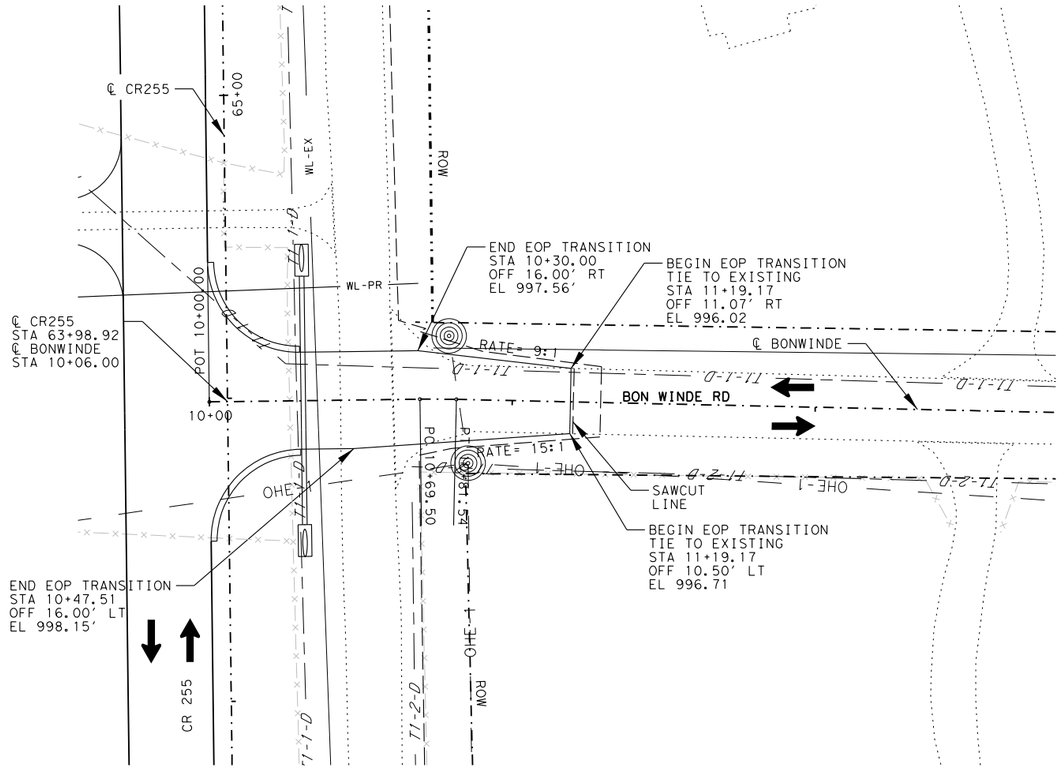

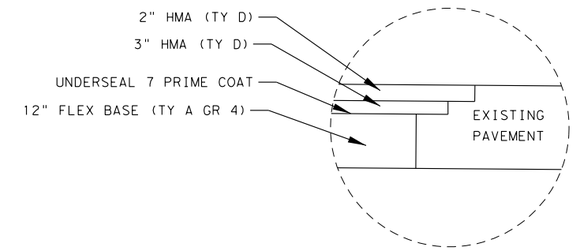

SAW CUT DETAILS

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
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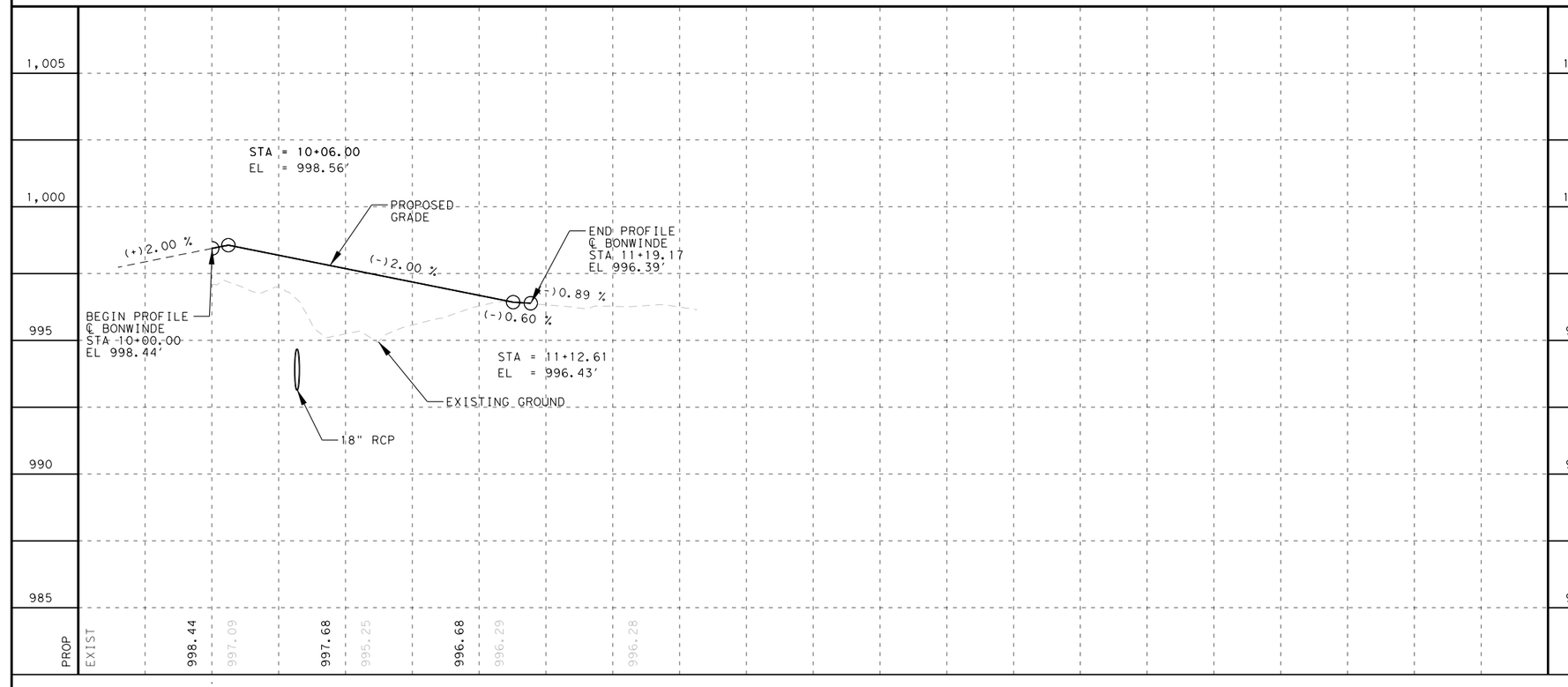

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
BON WINDE RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			115

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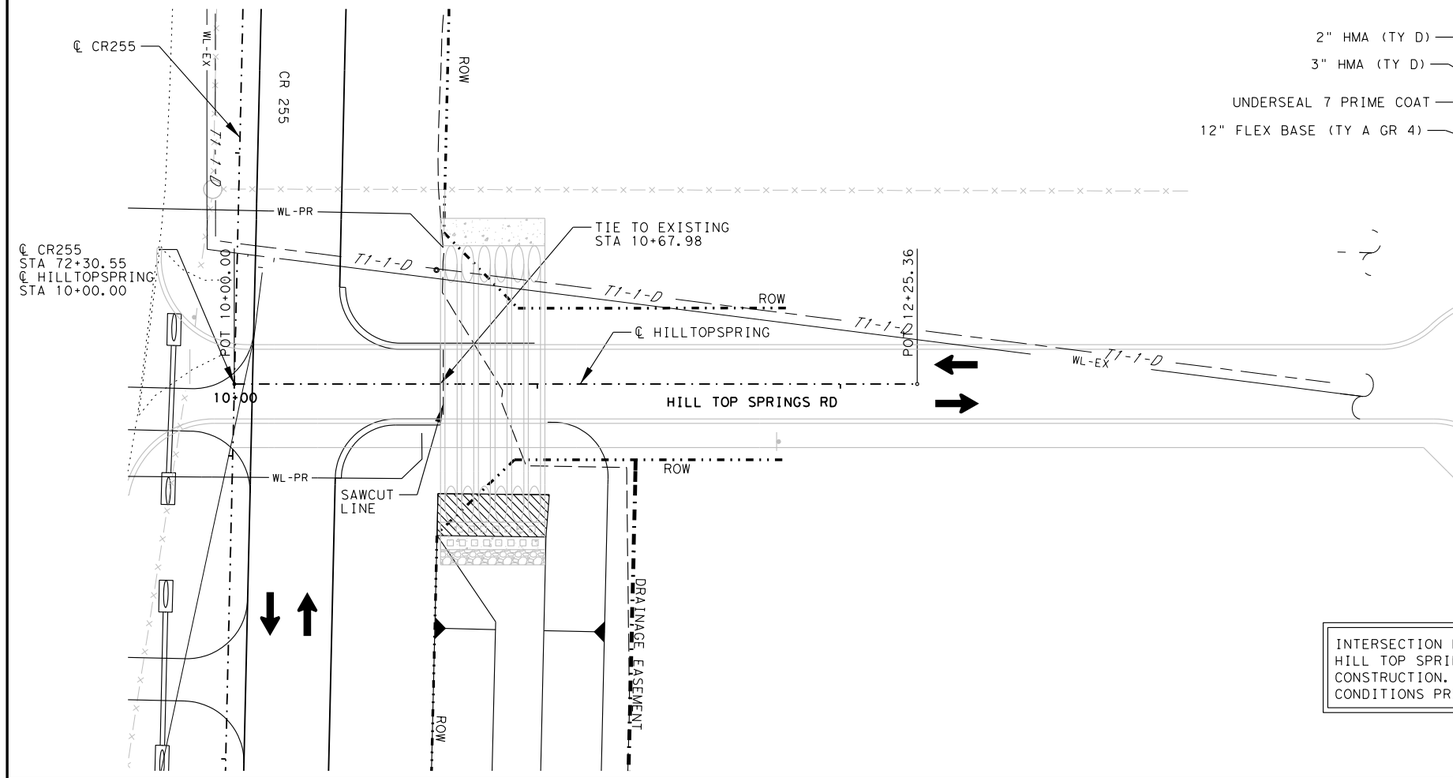
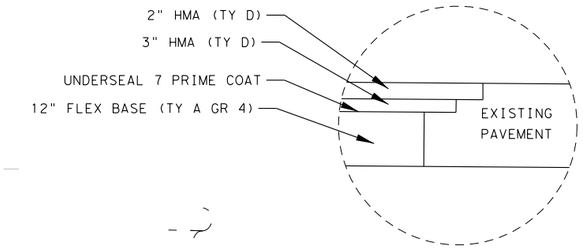




SAW CUT DETAILS

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

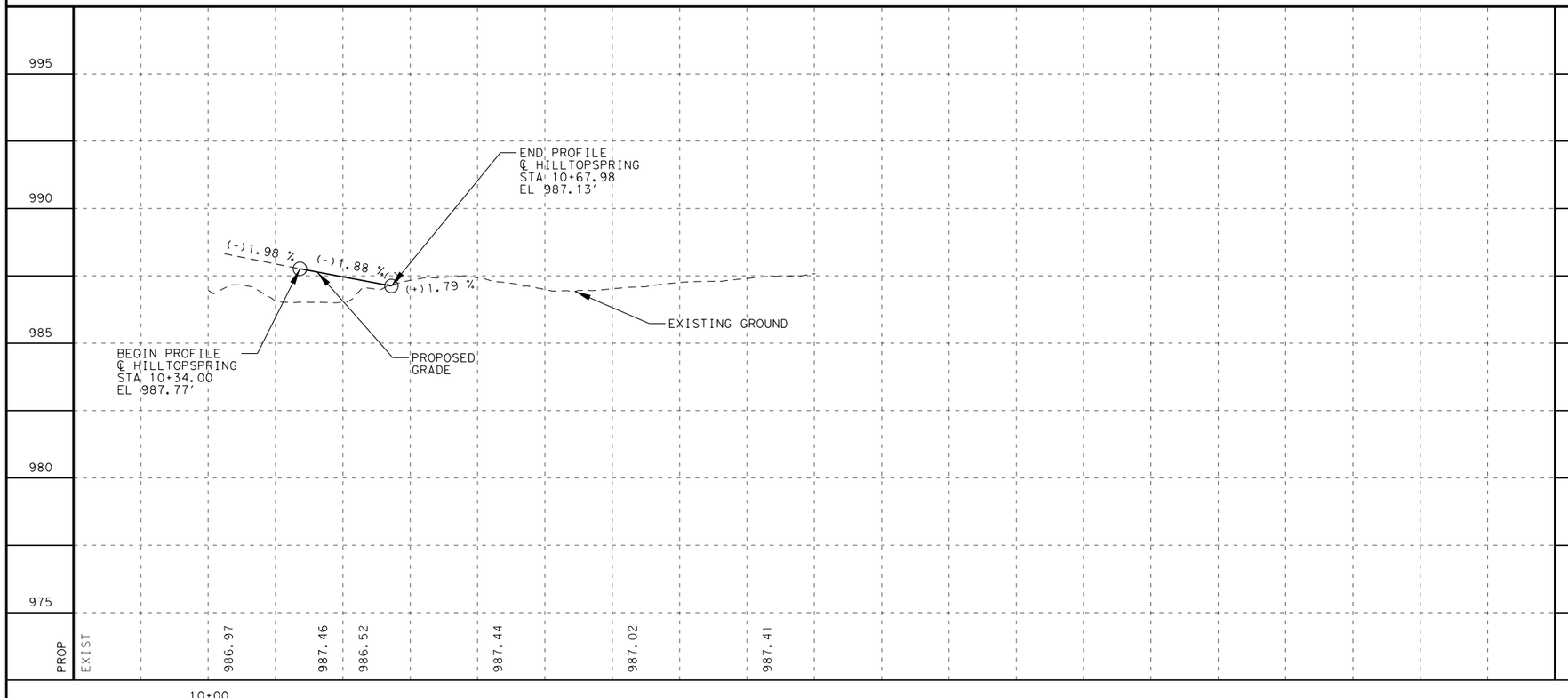
LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-··-··-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

INTERSECTION DESIGN GENERATED BASED ON PROPOSED HILL TOP SPRINGS ROAD DESIGN PLAN PRIOR TO STREET CONSTRUCTION. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO BEGINNING WORK.

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
HILL TOP SPRINGS RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			116

USER: korahoske
DATE: 11/6/2024 2:09
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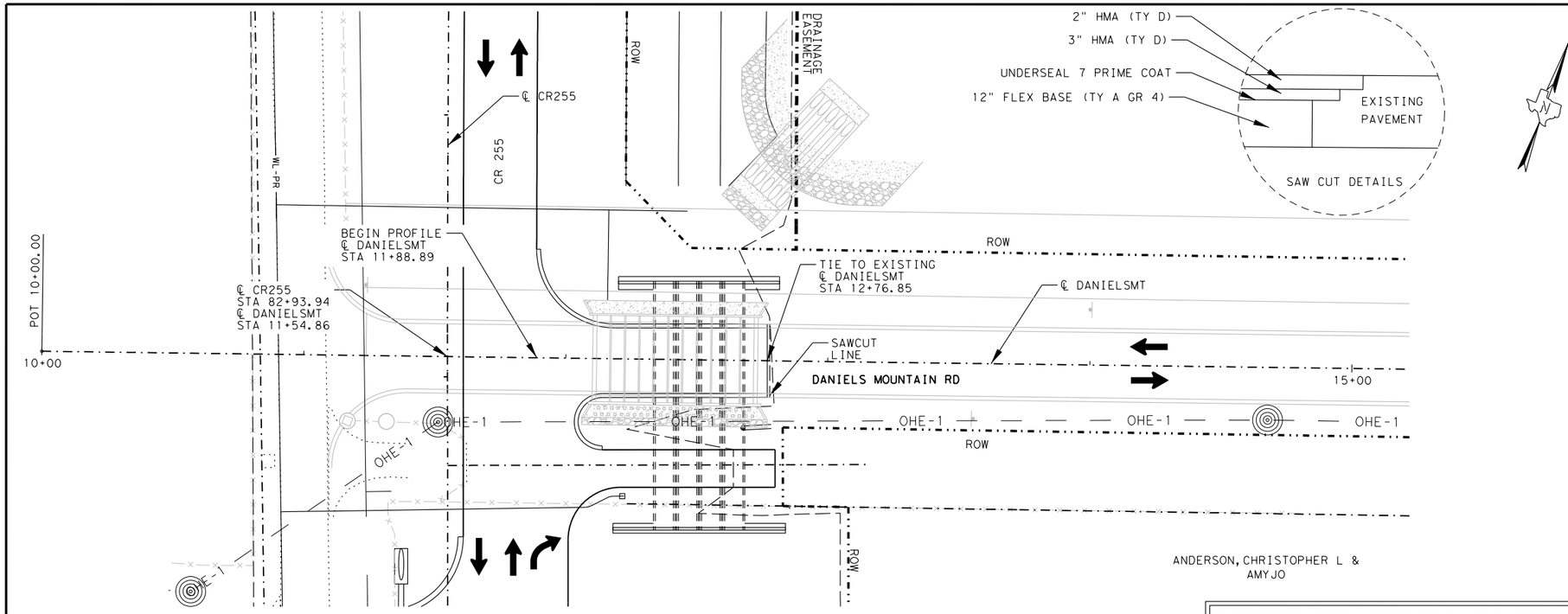

INTERSECTION DESIGN GENERATED BASED ON PROPOSED DANIELS MOUNTAIN ROAD DESIGN PLAN PRIOR TO STREET CONSTRUCTION. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO BEGINNING WORK.

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

	FENCE LINE
	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
	PROPERTY LINE
	CONSTRUCTION LIMITS
#	DRIVEWAY
#	MAILBOX ASSEMBLY NUMBER

NOTES:

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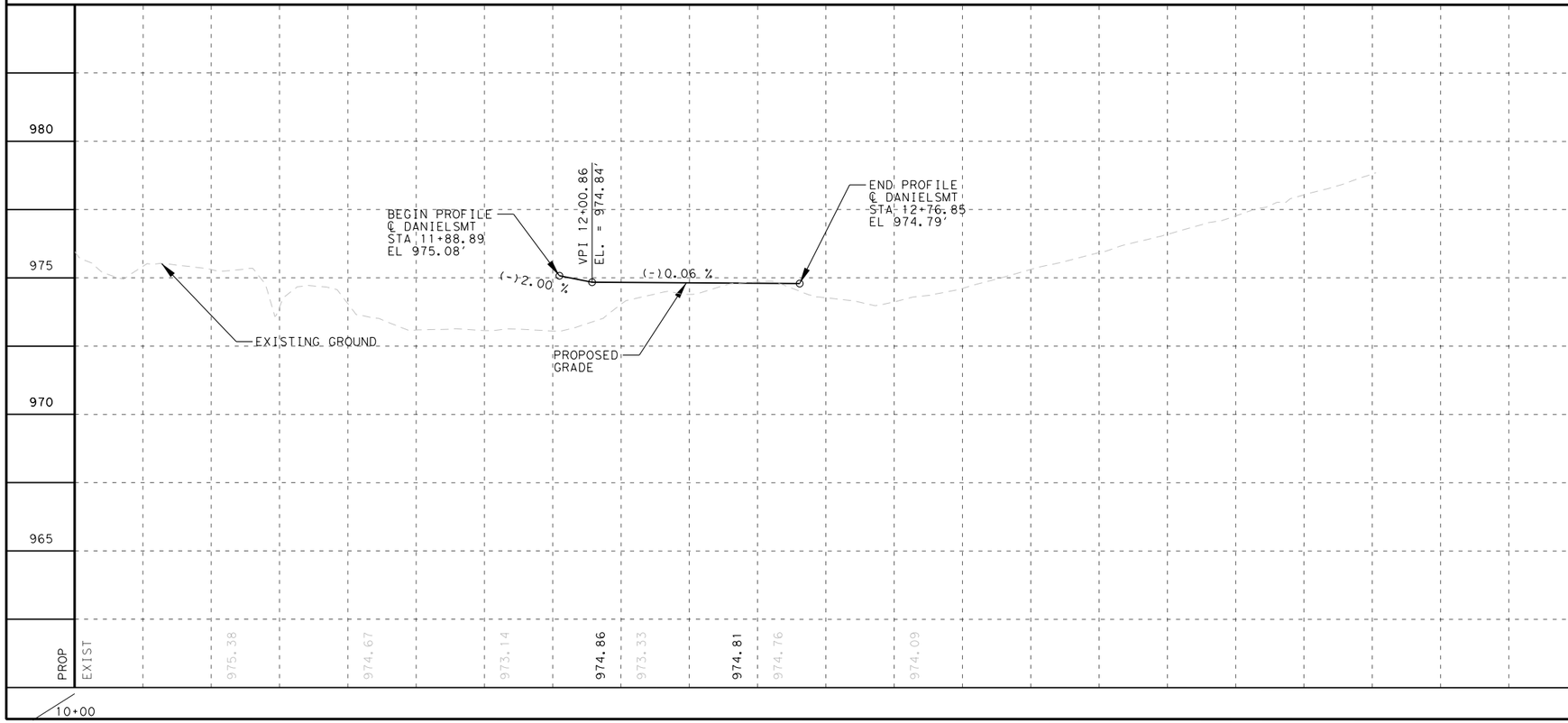
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
DANIELS MOUNTAIN RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			117

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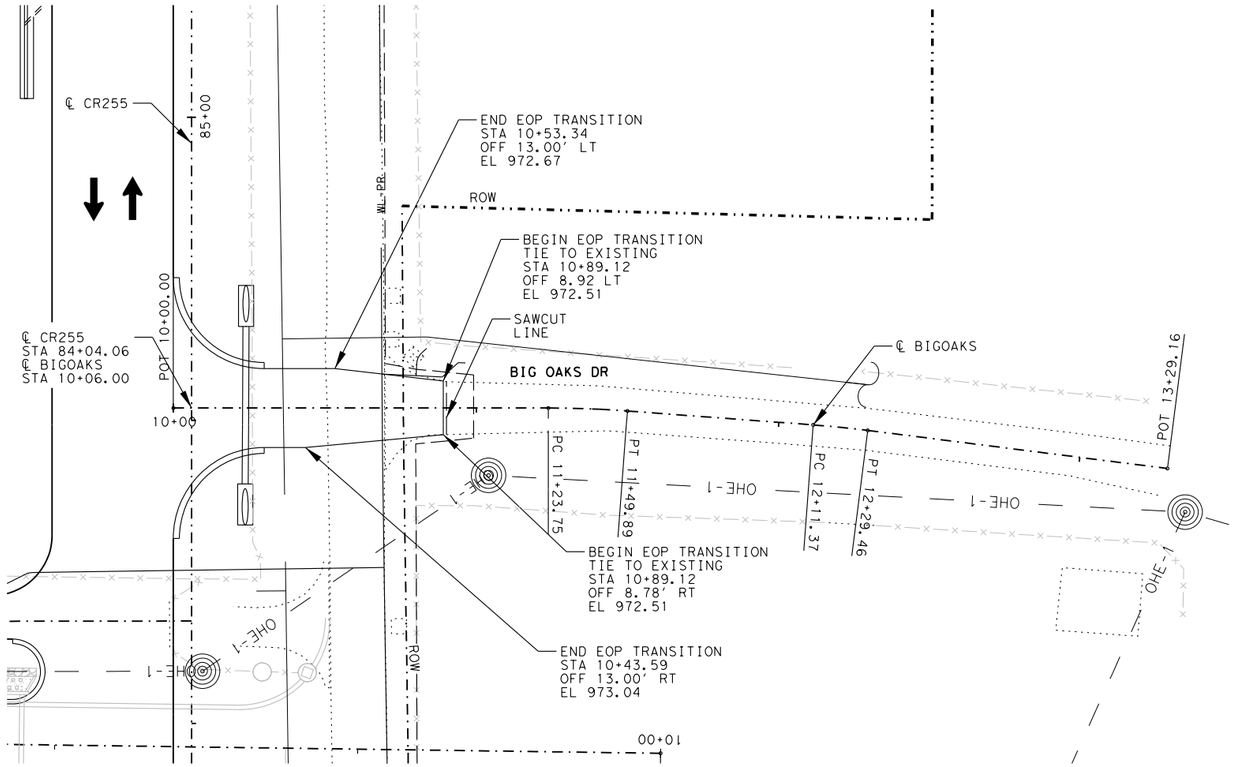

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

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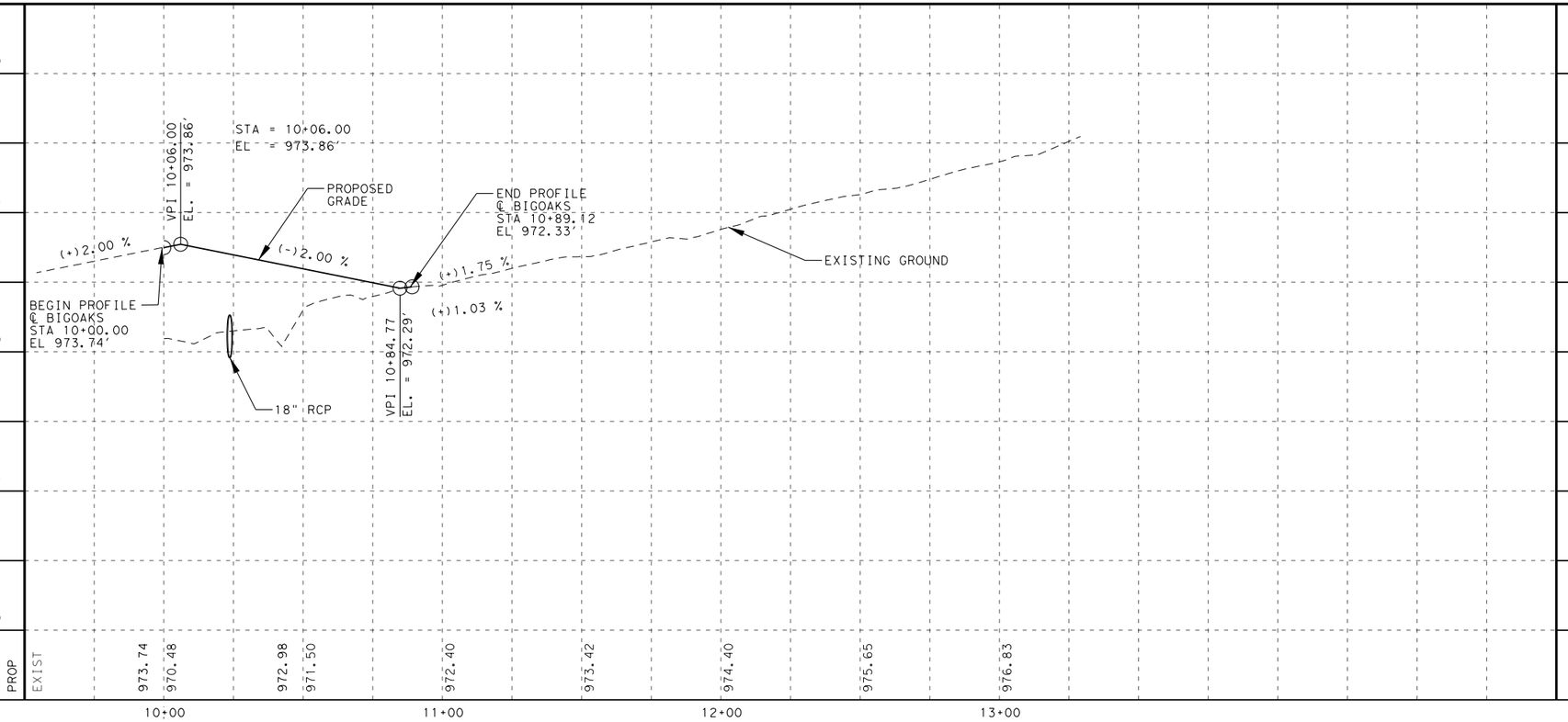
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
BIG OAKS DR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			118

USER: korahoske
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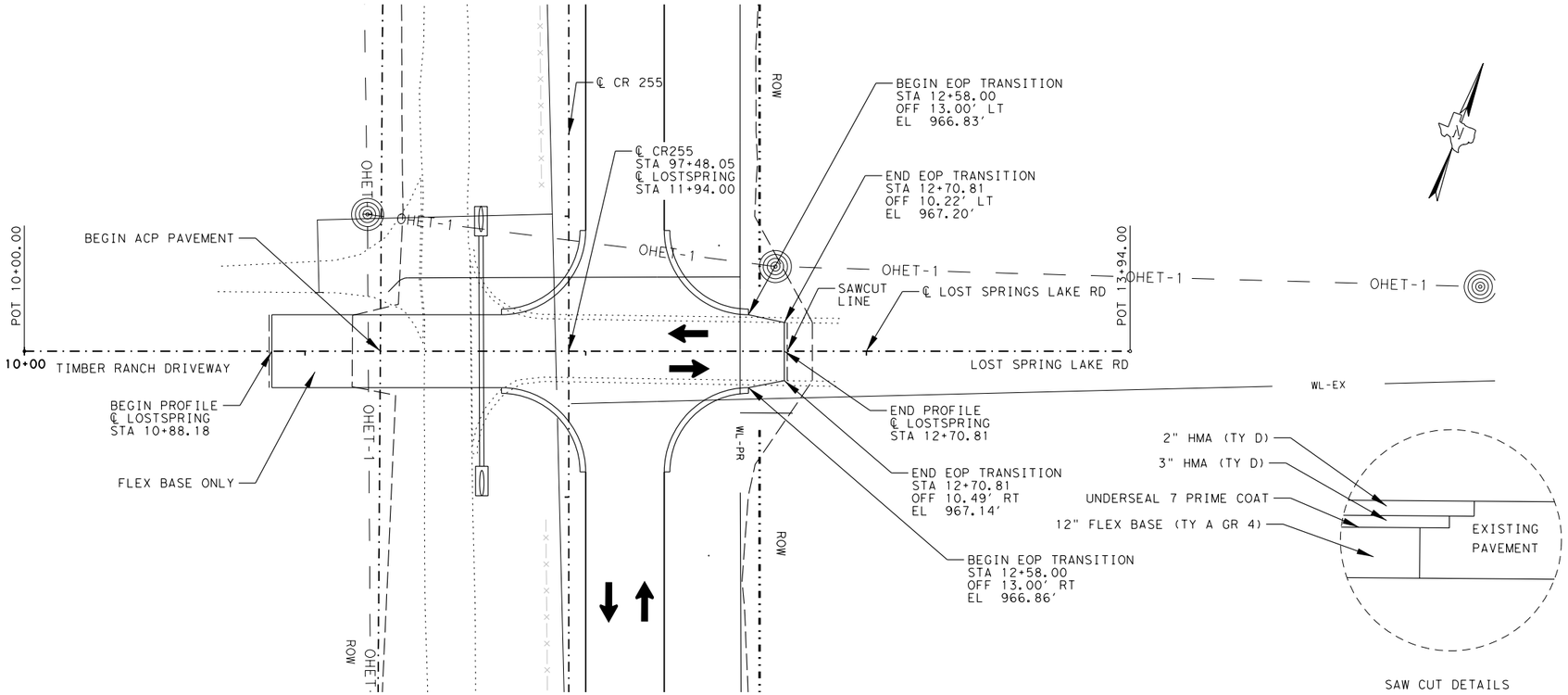

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-·-	PROPERTY LINE
— — — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

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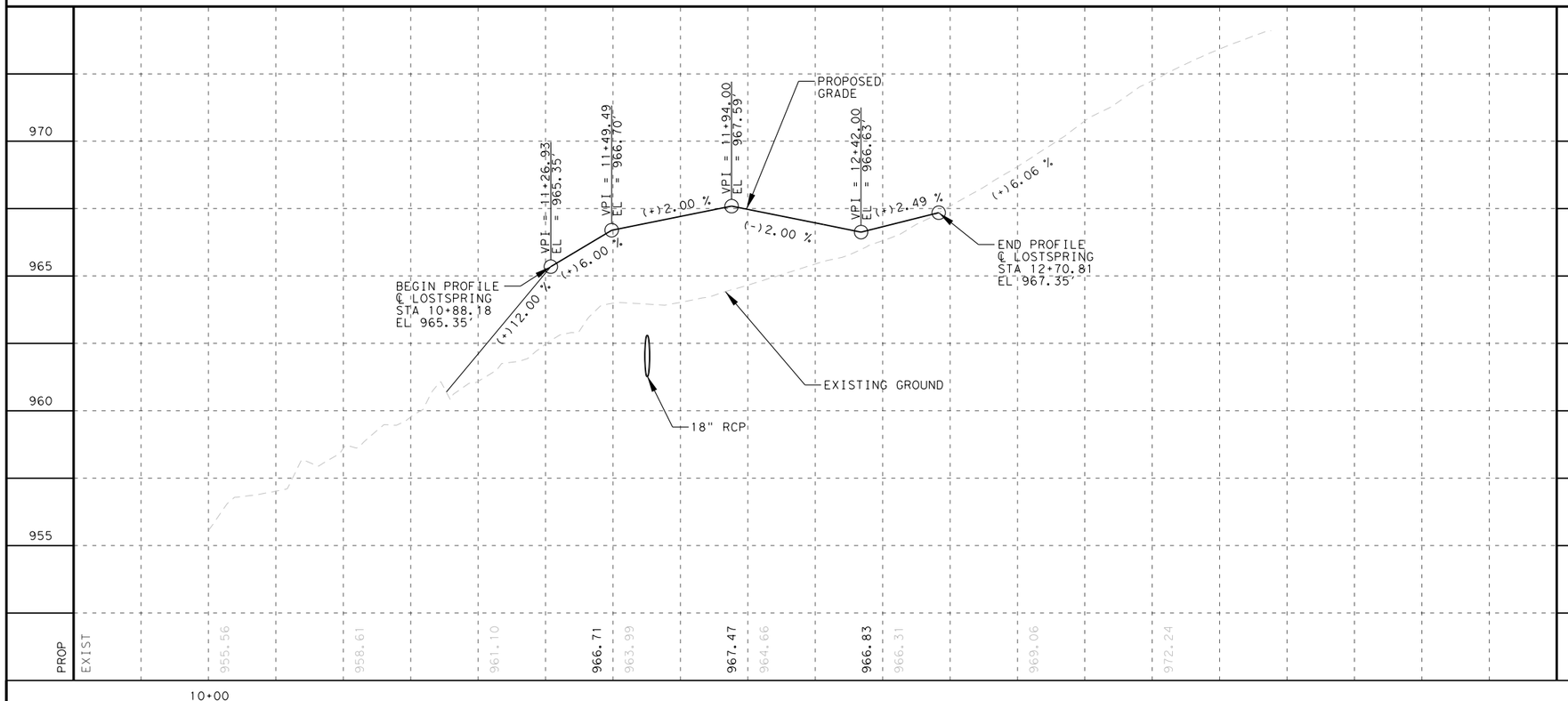

STATE OF TEXAS
GERALD A. LANKES
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WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
LOST SPRINGS LAKE RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			119

USER: korahoske
DATE: 11/6/2024 2:09
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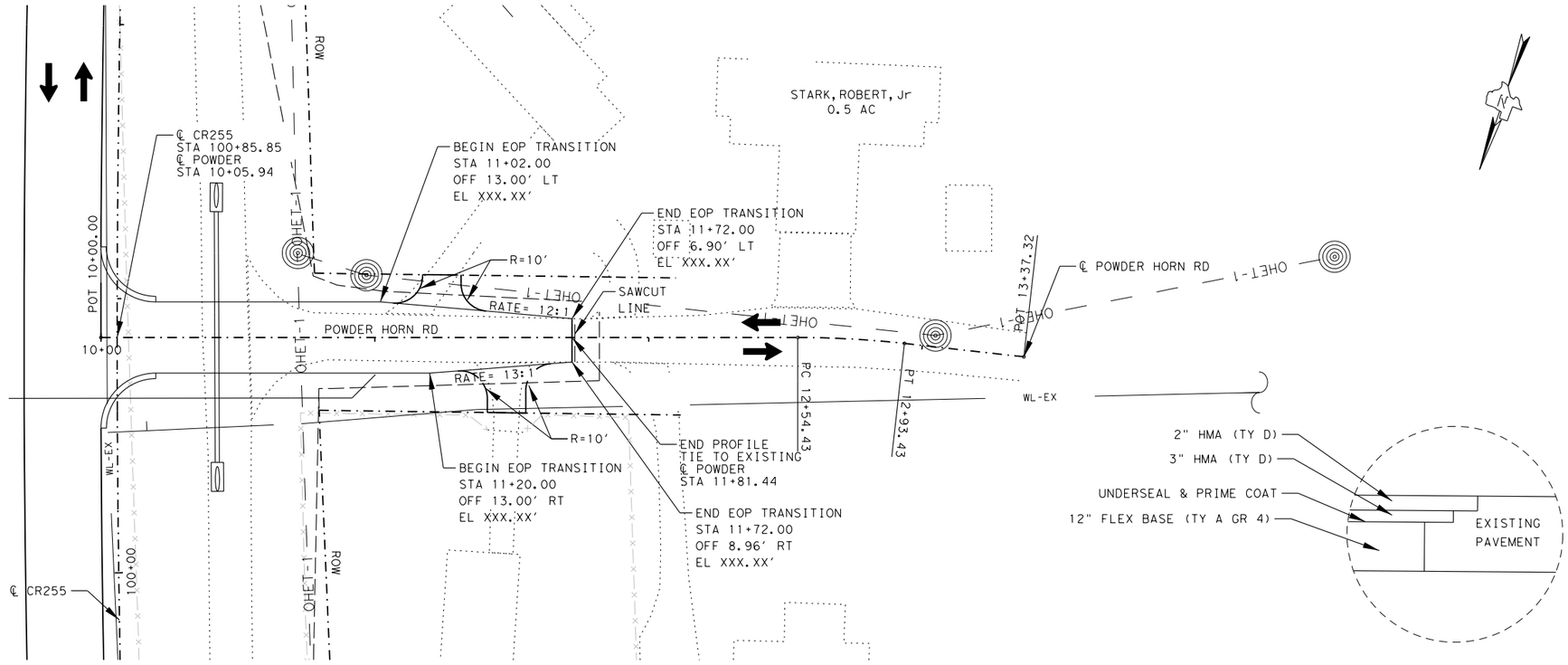
℄ CR255
STA 100+85.85
℄ POWDER
STA 10+05.94
BEGIN EOP TRANSITION
STA 11+02.00
OFF 13.00' LT
EL XXX.XX'
END EOP TRANSITION
STA 11+72.00
OFF 6.90' LT
EL XXX.XX'
STARK, ROBERT, Jr
0.5 AC
R=10'
RATE= 12:1
SAWCUT
LINE
POWDER HORN RD
POT 10+00.00
10+00
RATE= 13:1
R=10'
BEGIN EOP TRANSITION
STA 11+20.00
OFF 13.00' RT
EL XXX.XX'
END PROFILE
TIE TO EXISTING
℄ POWDER
STA 11+81.44
END EOP TRANSITION
STA 11+72.00
OFF 8.96' RT
EL XXX.XX'
PC 12+54.43
PT 12+93.43
POT 13+37.32
℄ POWDER HORN RD
WL-EX
℄ CR255
100+00
OHET-1
ROW

SAW CUT DETAILS

0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OHE-1 — OVERHEAD ELECTRIC
- OHET-1 — OVERHEAD ELECTRIC AND COMM UTILITY
- OHT-1 — OVERHEAD COMM UTILITY
- T1-1-D — BURIED COMM (COPPER)
- T1-2-D — BURIED COMM (FIBER)
- WL-EX — EXISTING WATERLINE
- WL-PR — PROPOSED WATERLINE
- PROPERTY LINE
- CONSTRUCTION LIMITS
- (#) DRIVEWAY
- (#) MAILBOX ASSEMBLY NUMBER

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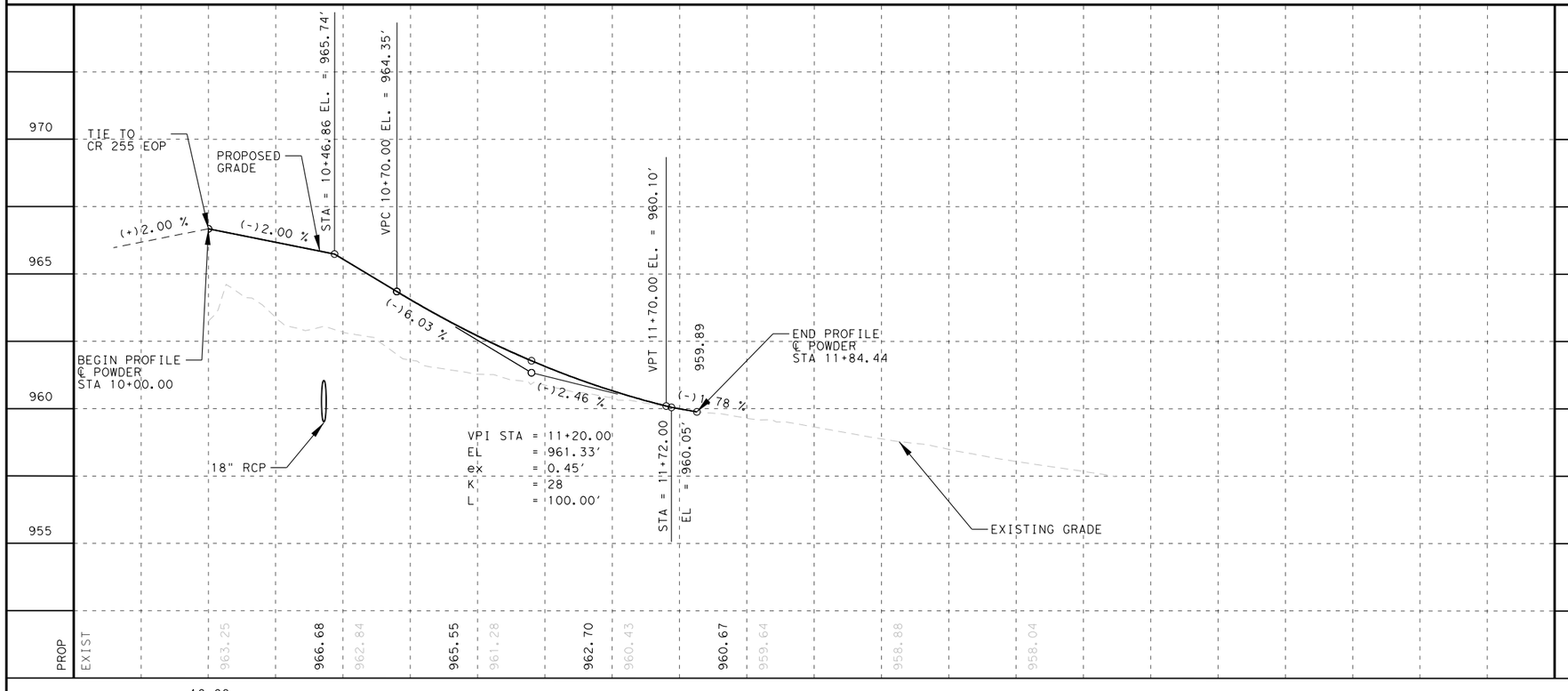
1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
POWDER HORN RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			120

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DATE: 11/6/2024 2:09
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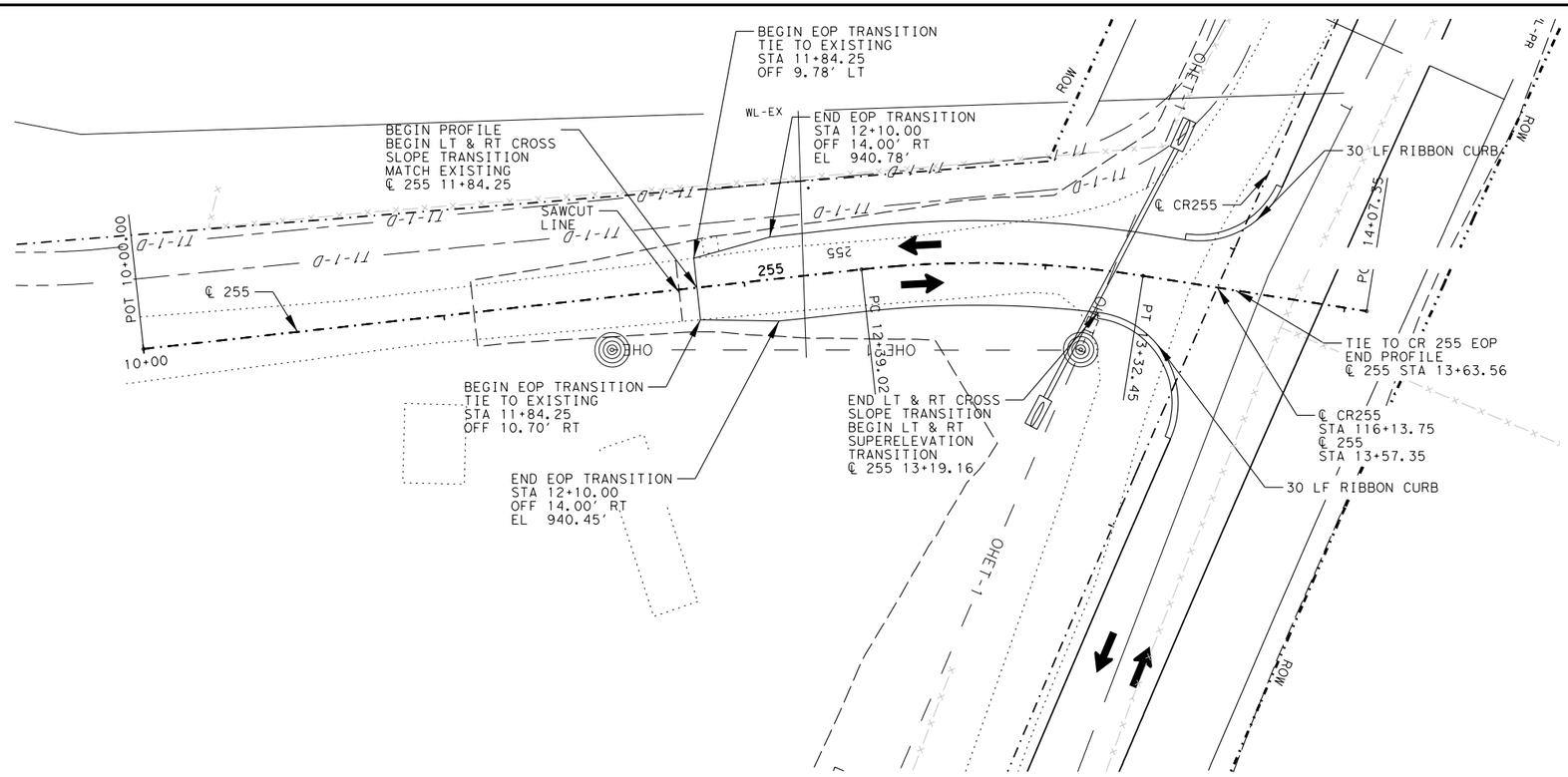


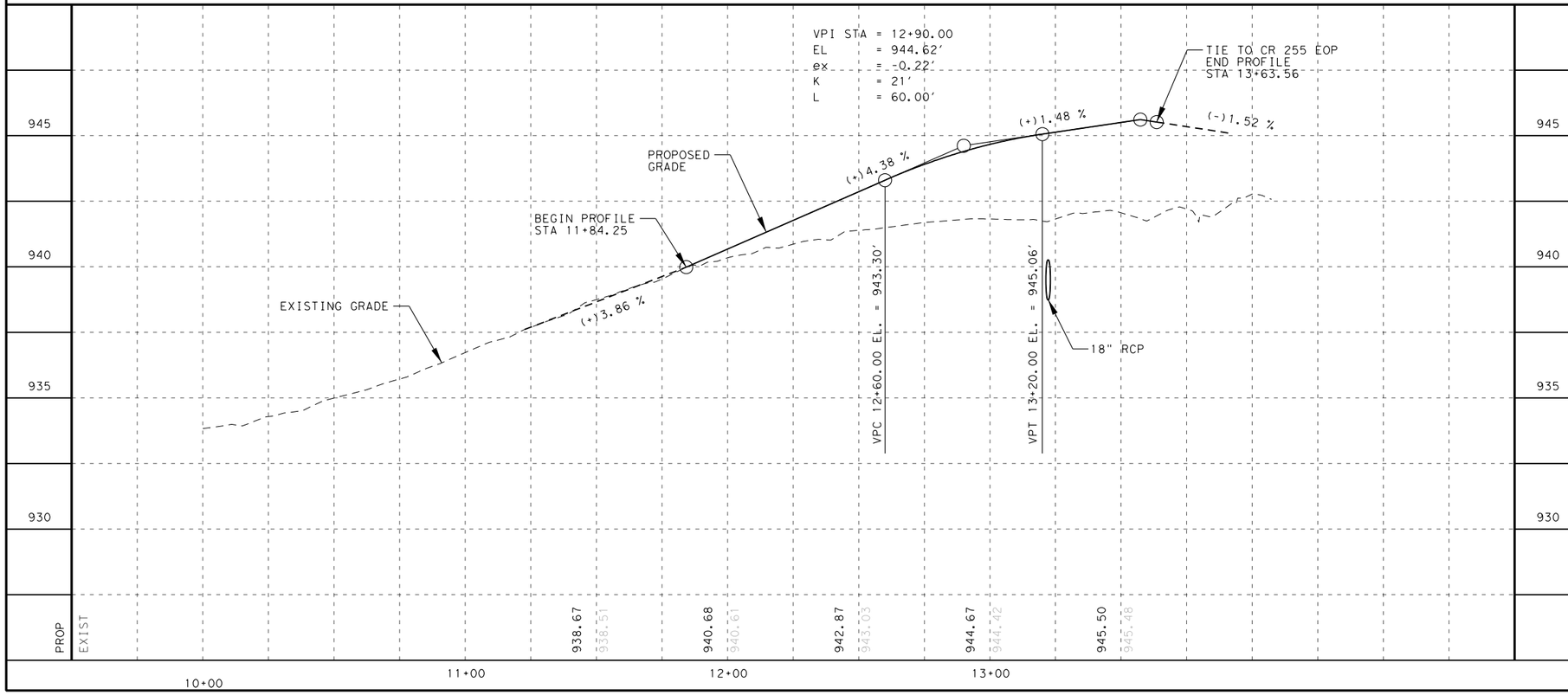
0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/7/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
255

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			121

USER: glankes
DATE: 11/7/2024 2:25
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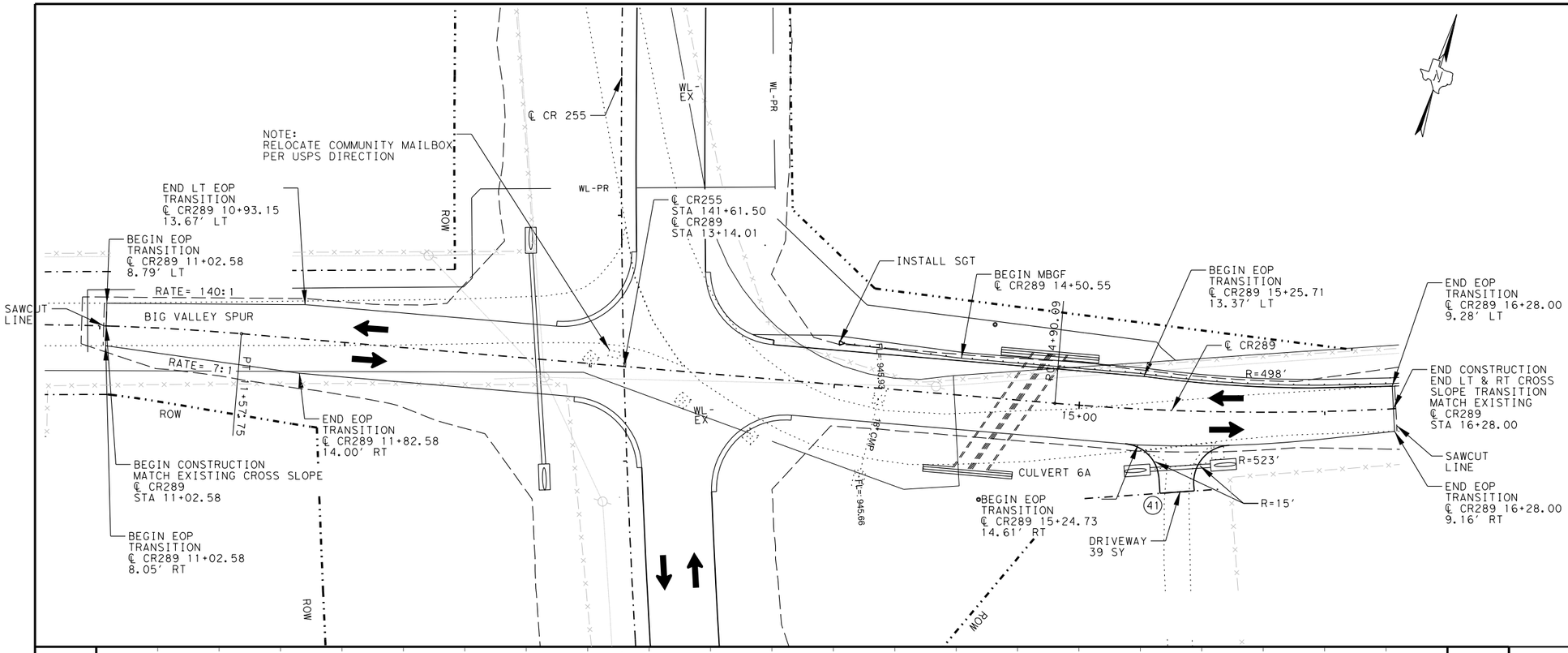


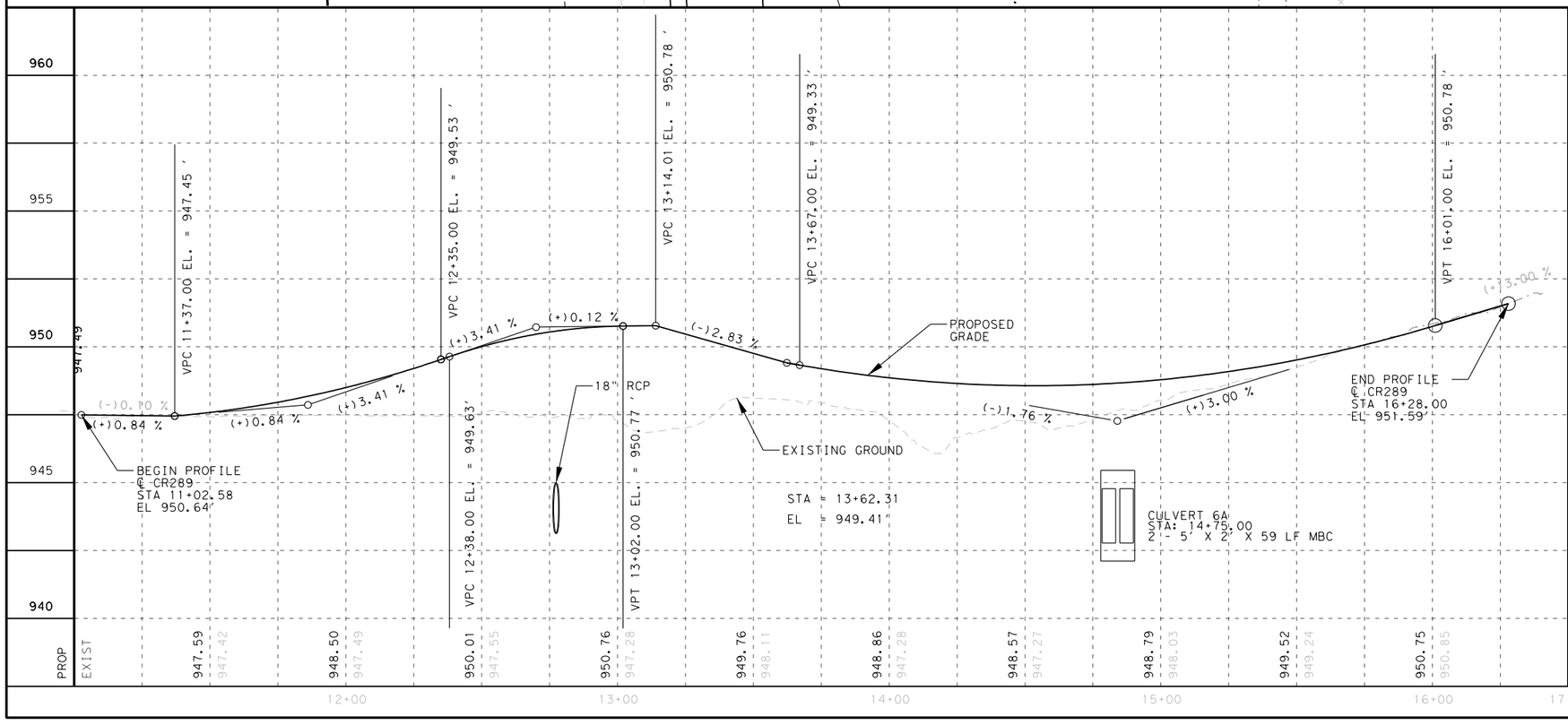
0 25 50
0 2.5 5
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

LEGEND

x-x-x-x-x-x-x	FENCE LINE
➡	TRAFFIC FLOW ARROW
— OHE-1 —	OVERHEAD ELECTRIC
— OHET-1 —	OVERHEAD ELECTRIC AND COMM UTILITY
— OHT-1 —	OVERHEAD COMM UTILITY
— T1-1-D —	BURIED COMM(COPPER)
— T1-2-D —	BURIED COMM(FIBER)
— WL-EX —	EXISTING WATERLINE
— WL-PR —	PROPOSED WATERLINE
-·-·-·-	PROPERTY LINE
— — —	CONSTRUCTION LIMITS
(#)	DRIVEWAY
(#)	MAILBOX ASSEMBLY NUMBER

NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR PAVEMENT EDGE ELEVATIONS, RADII AND SURFACE CONTOURS AT INTERSECTION.
2. THERE ARE EXISTING UNDERGROUND UTILITIES ALONG AND ACROSS THE ROW AT VARYING DEPTHS WITHIN THE PROJECT LIMITS. CONTRACTOR MUST VERIFY THEIR LOCATION AND PERFORM CONSTRUCTION OPERATIONS IN A MANNER TO AVOID THEM.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
PLAN & PROFILE
BIG VALLEY SPUR / CR 289

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			122

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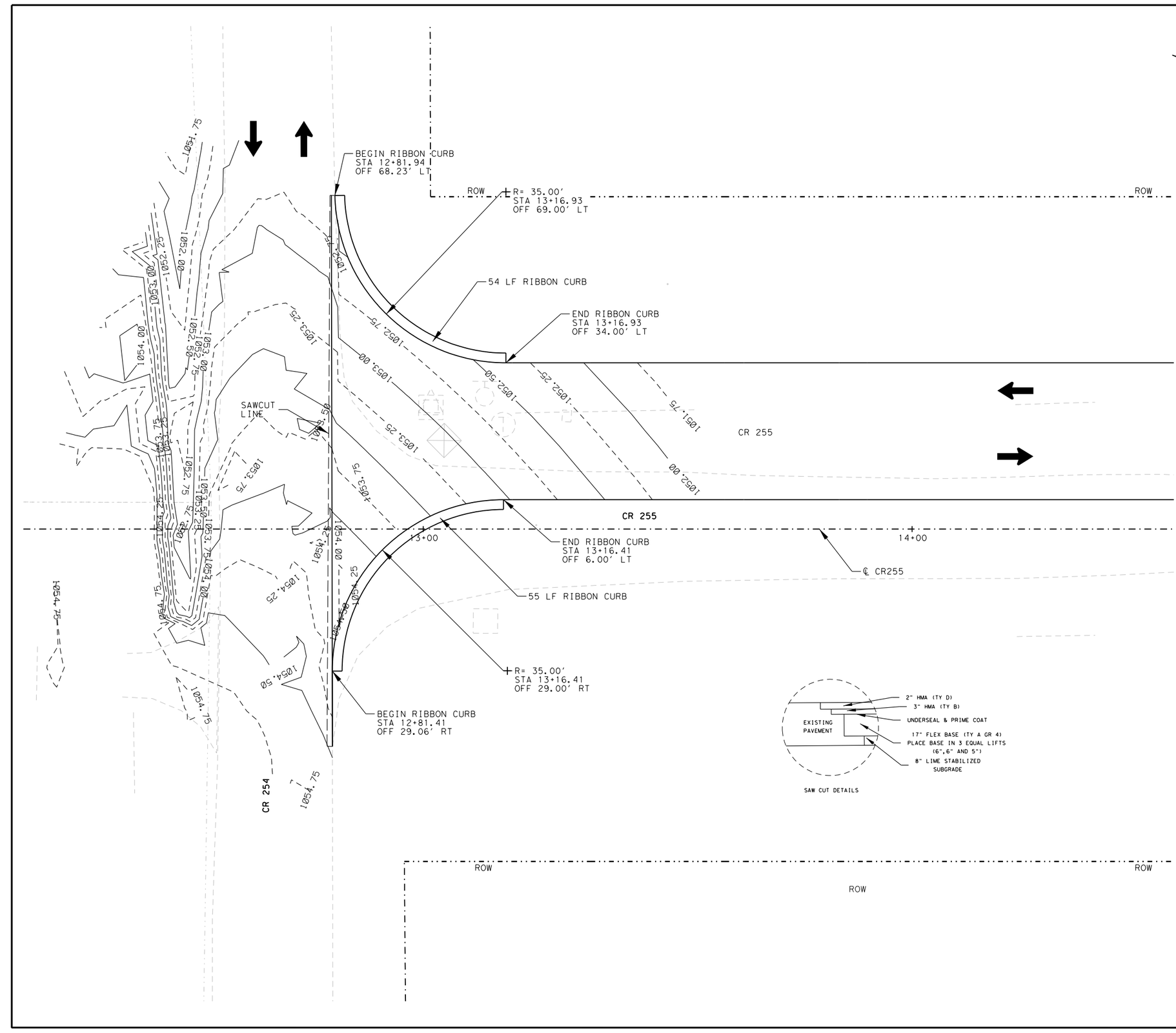
0 10 20
SCALE: 1" = 20'



SAW CUT DETAILS

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO ALIGNMENT CR255 EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & CR 254

SHEET 1 OF 1

DESIGNED: ____	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ____		TEXAS		CR 255
DRAWN: ____	COUNTY			JOB No. / SHEET No.
CHECKED: ____	WILLIAMSON			123

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DATE: 11/6/2024 2:59
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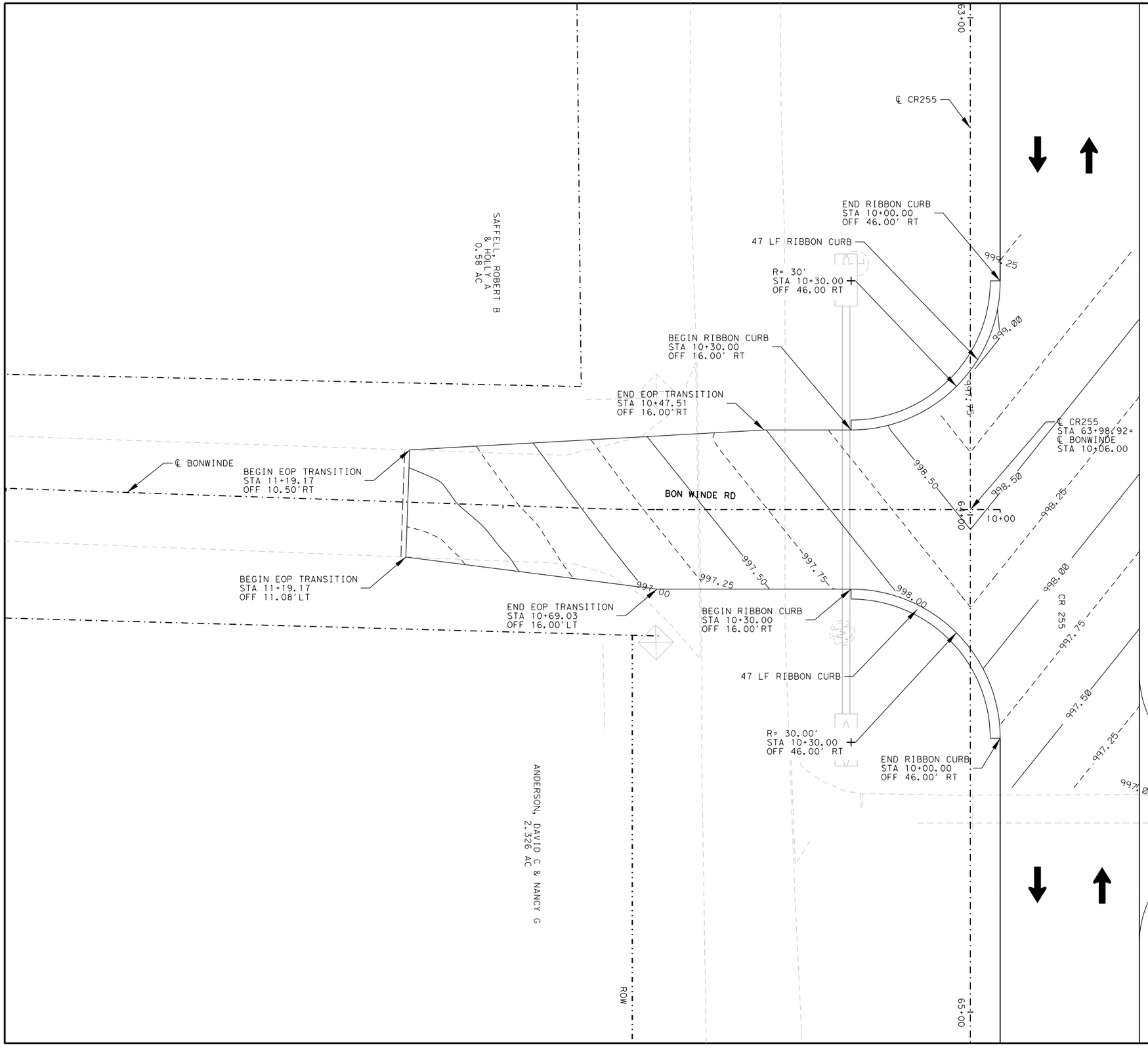

0 10 20

SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO SIDESTREET ALIGNMENT EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & BON WINDE RD

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.	
CHECKED:		TEXAS		CR 255	
DRAWN:	COUNTY			JOB No.	SHEET No.
CHECKED:	WILLIAMSON				124

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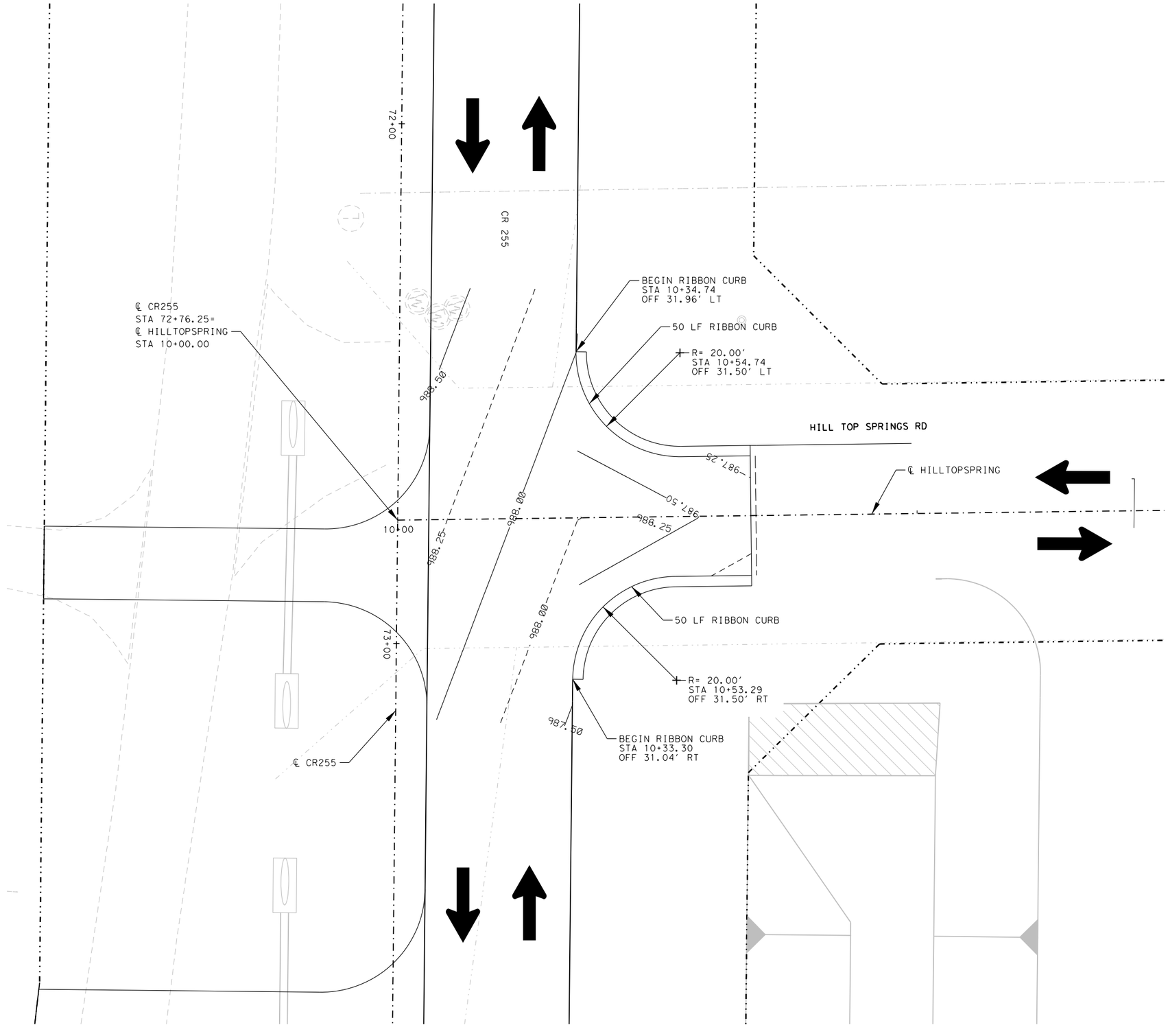

0 10 20

SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO SIDESTREET ALIGNMENT EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 &
HILL TOP SPRINGS RD

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			125

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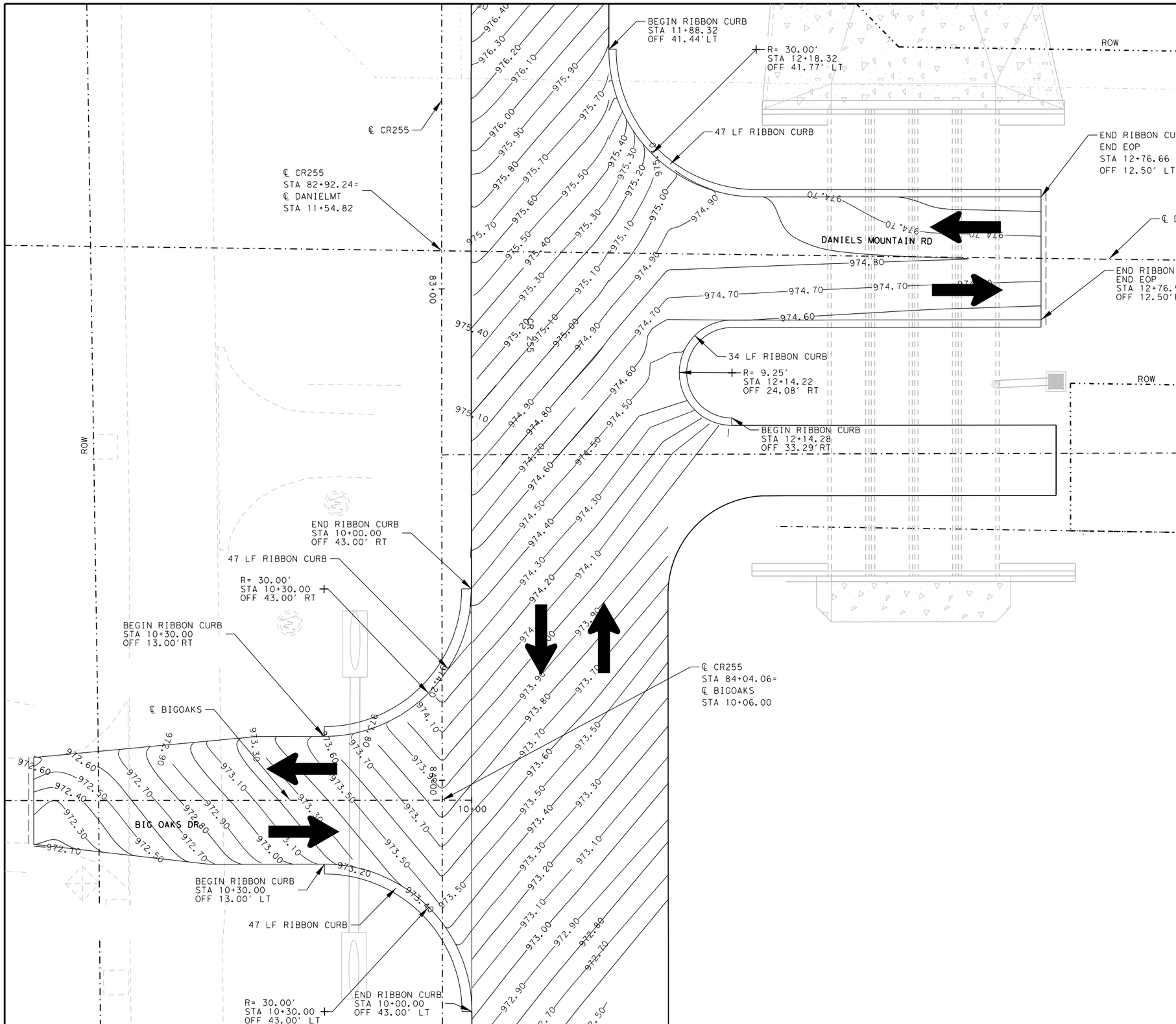

0 10 20
SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO SIDESTREET ALIGNMENT EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & DANIEL MOUNTAIN RD
CR 255 & BIG OAKS DR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			126

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DATE: 11/6/2024 2:09
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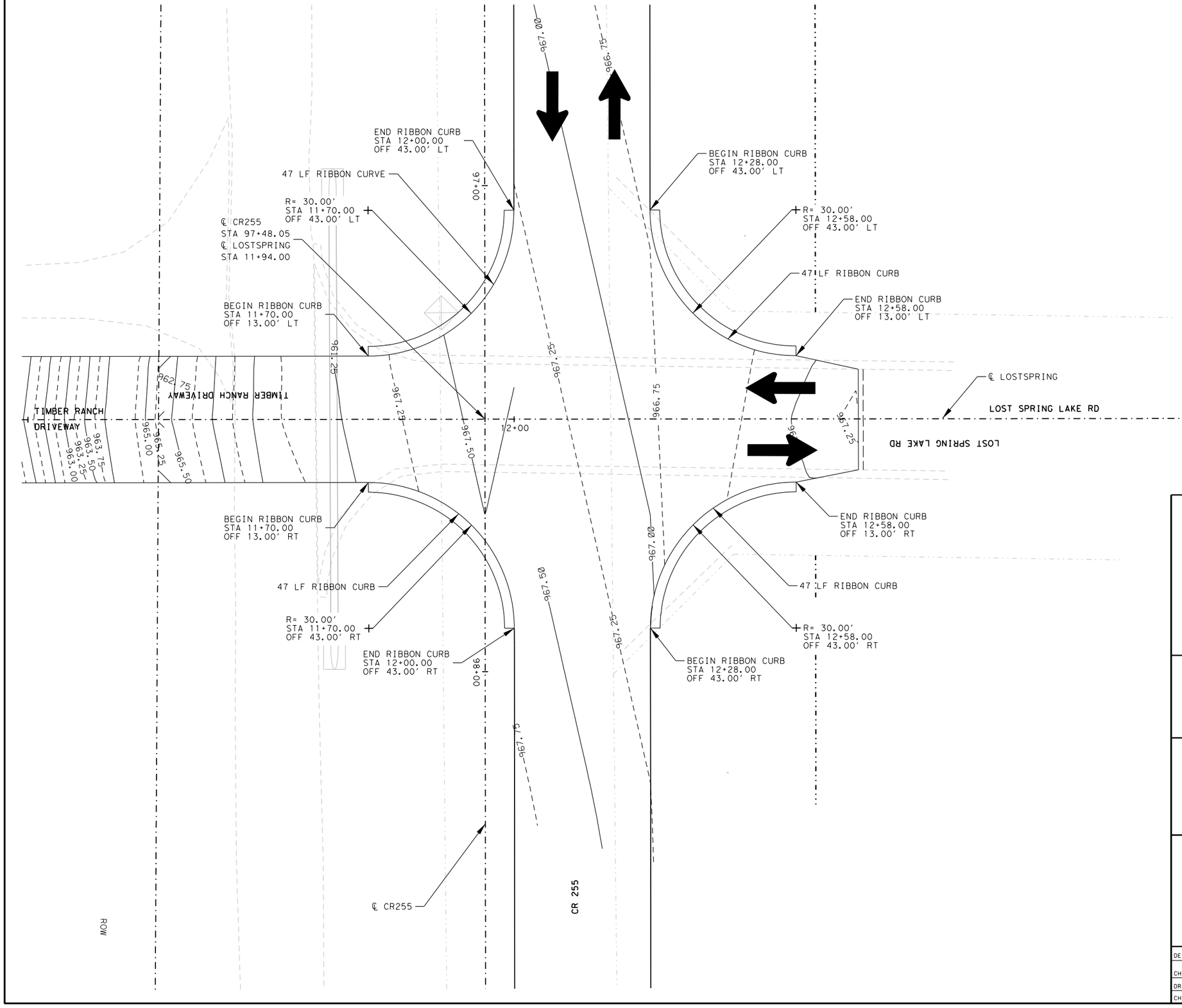

0 10 20

SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO SIDESTREET ALIGNMENT EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & LOST SPRING LAKE RD/ TIMBER RANCH DR

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			127

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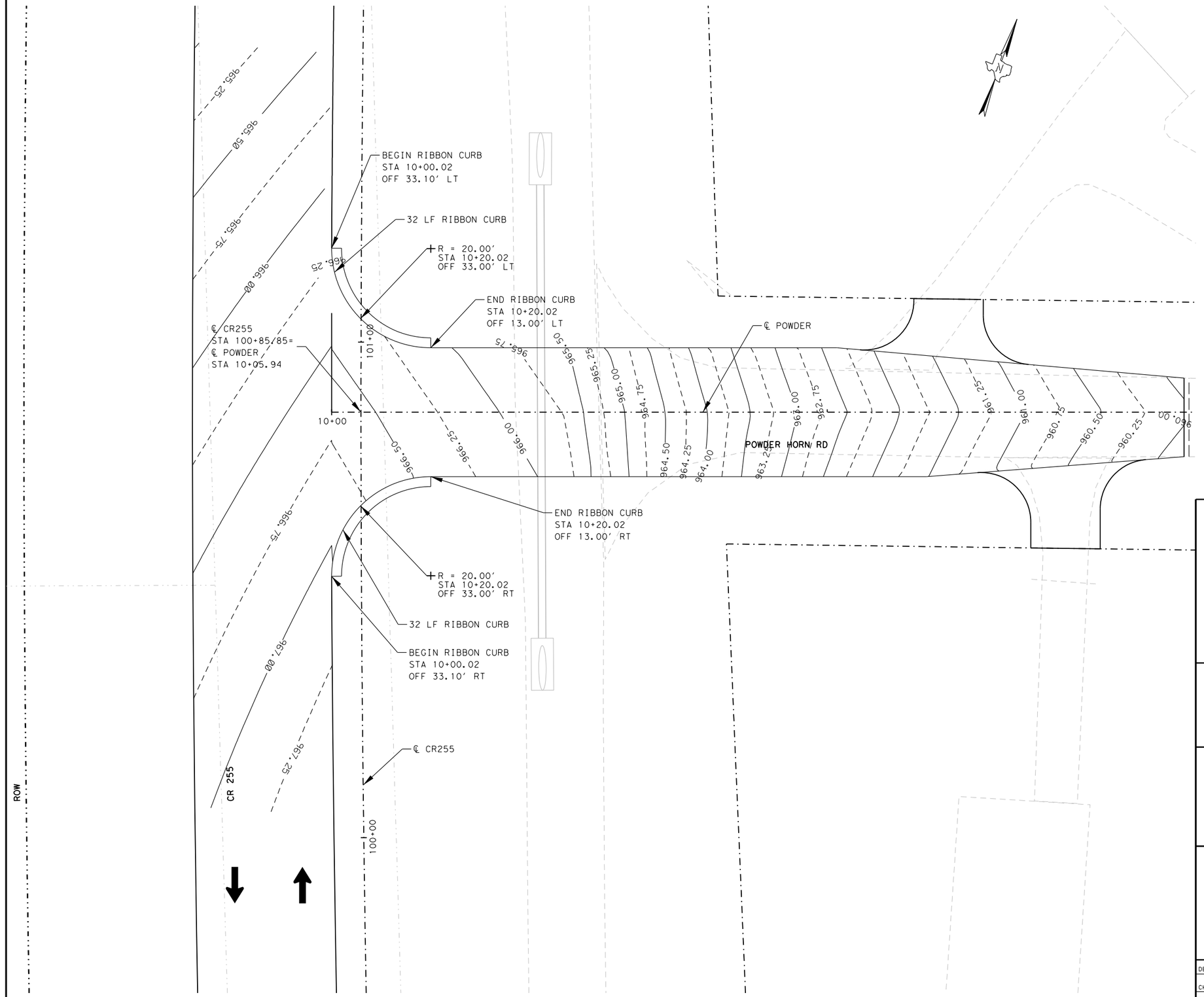

0 10 20

SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO SIDESTREET ALIGNMENT EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
POWDER HORN RD

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			128

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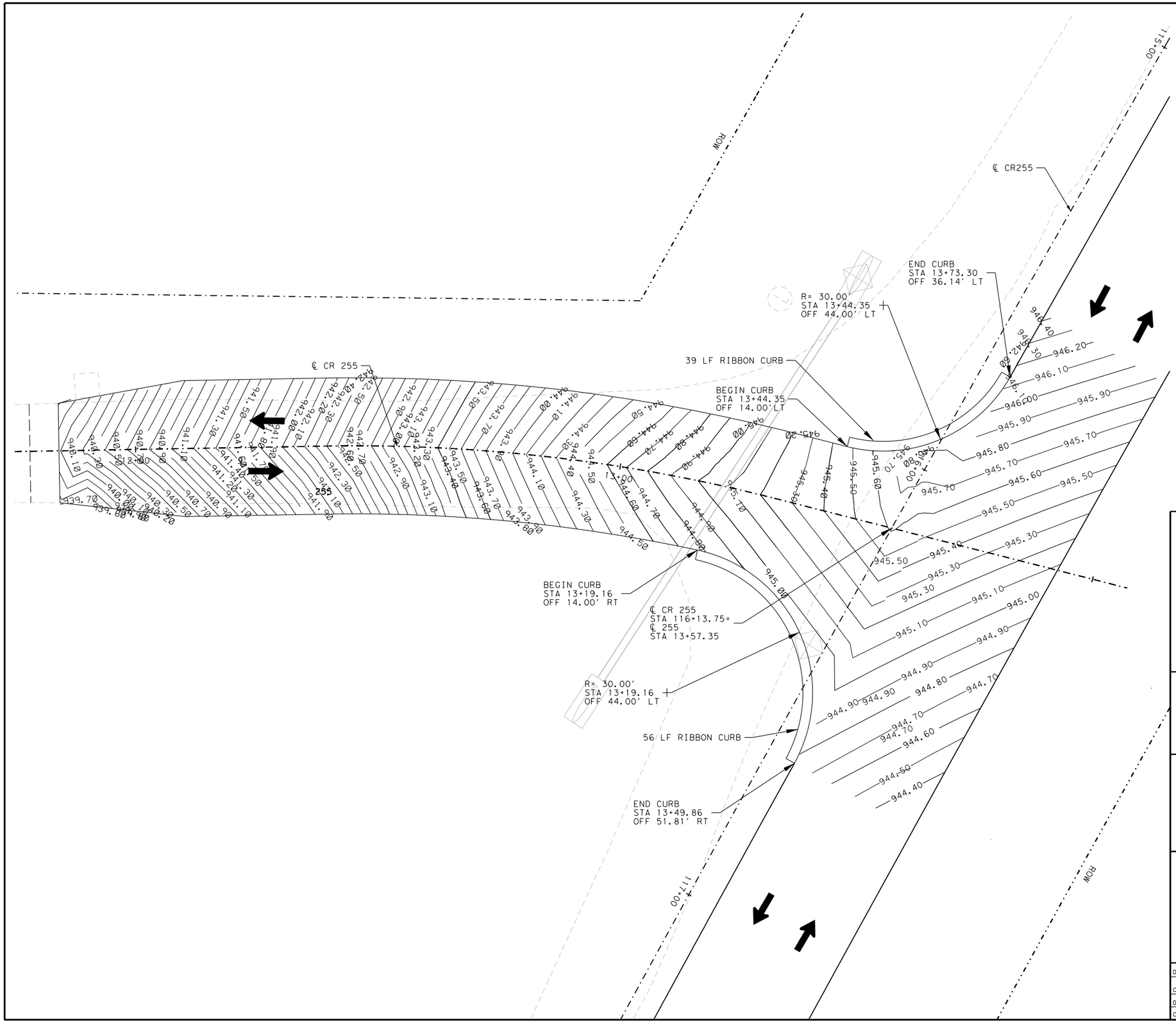

NOTES:

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3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & 255

SHEET 1 OF 1

DESIGNED: ___	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED: ___		TEXAS		CR 255
DRAWN: ___	COUNTY			JOB No. / SHEET No.
CHECKED: ___	WILLIAMSON			129

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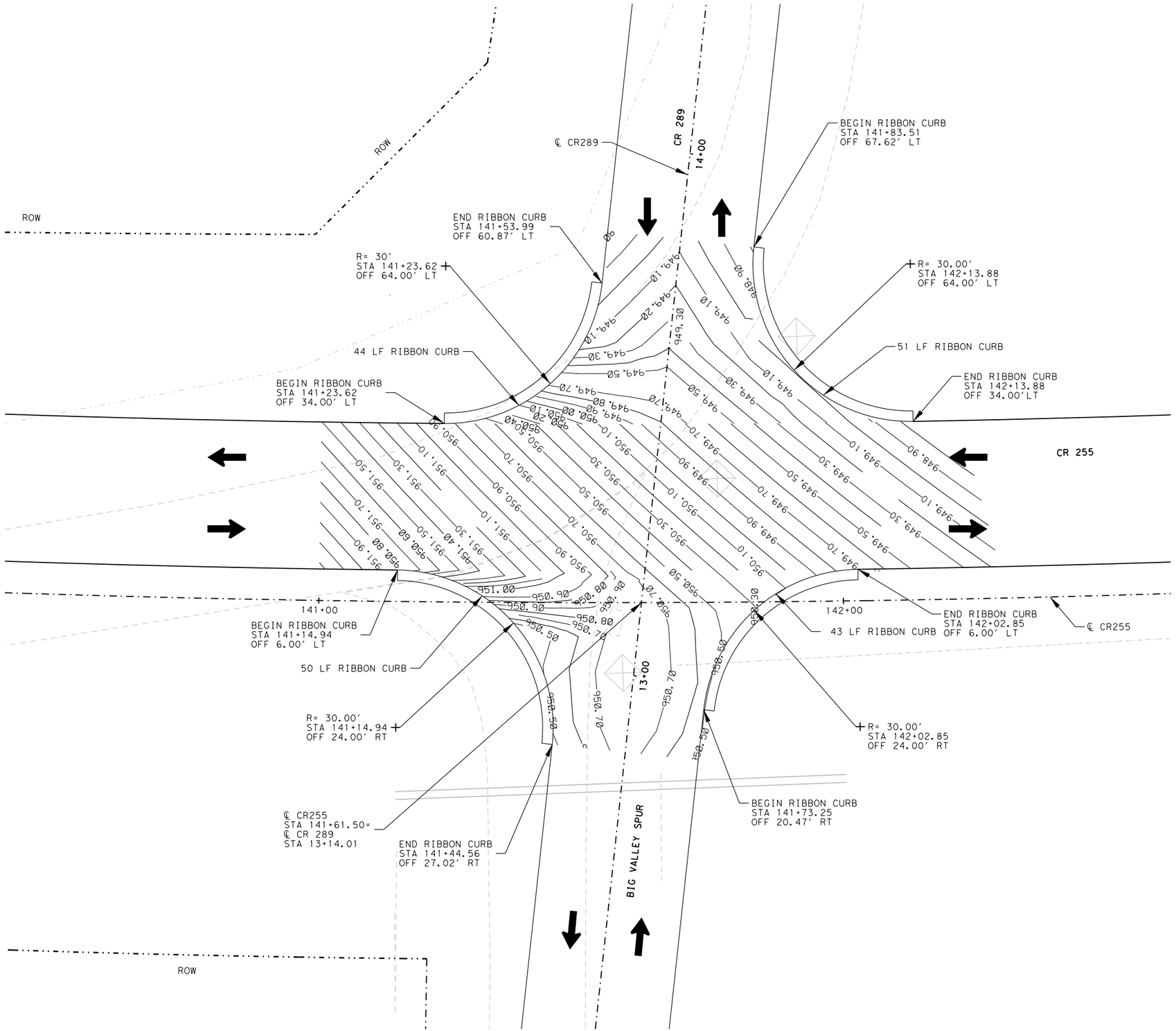

0 10 20

SCALE: 1" = 20'

LEGEND

- FENCE LINE
- TRAFFIC FLOW ARROW
- OVERHEAD ELECTRIC
- PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO ALIGNMENT CR255 EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & CR 289

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			130

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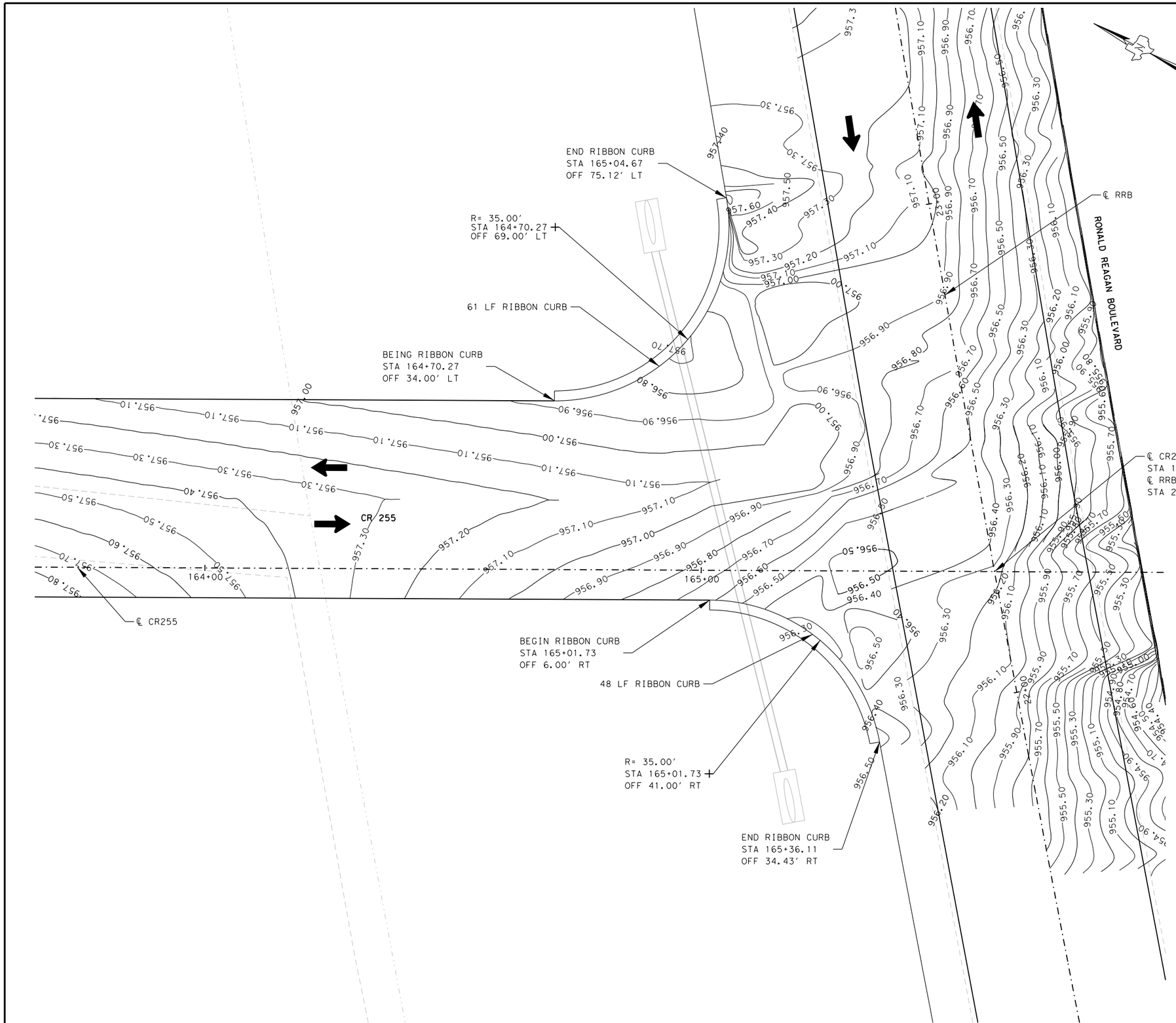

0 10 20
SCALE: 1" = 20'

LEGEND

x—x—x—x	FENCE LINE
➡	TRAFFIC FLOW ARROW
---P---P---P--	OVERHEAD ELECTRIC
—··—··—	PROPERTY LINE

NOTES:

1. ALL STATION AND OFFSET REFERENCES IN SHEET ARE TO ALIGNMENT CR255 EXCEPT AS NOTED.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR ROADWAY GEOMETRY.
3. SEE APPLICABLE ROADWAY STANDARD SHEETS FOR ADDITIONAL INFORMATION.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
INTERSECTION DETAILS
CR 255 & RONALD REAGAN

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			131

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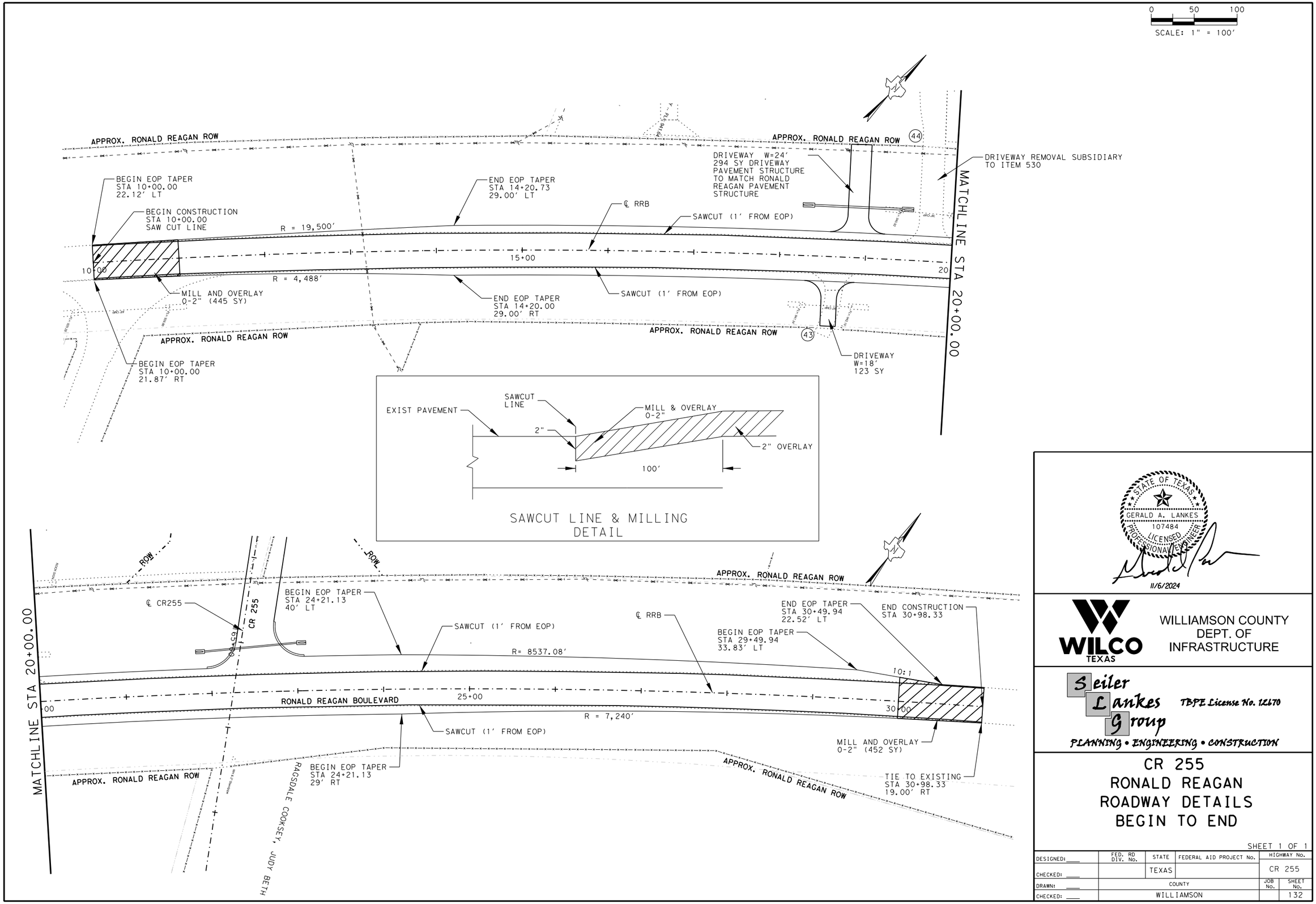

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
RONALD REAGAN
ROADWAY DETAILS
BEGIN TO END

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			132

USER: korahoske
DATE: 11/6/2024 2:10
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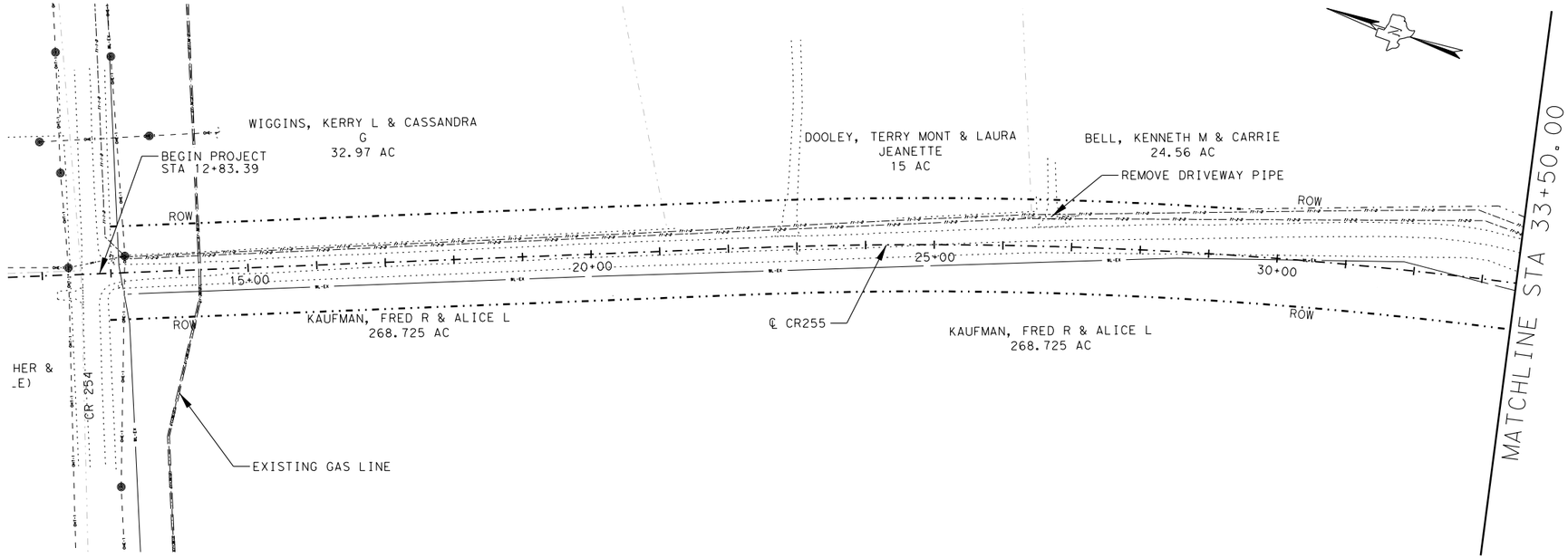
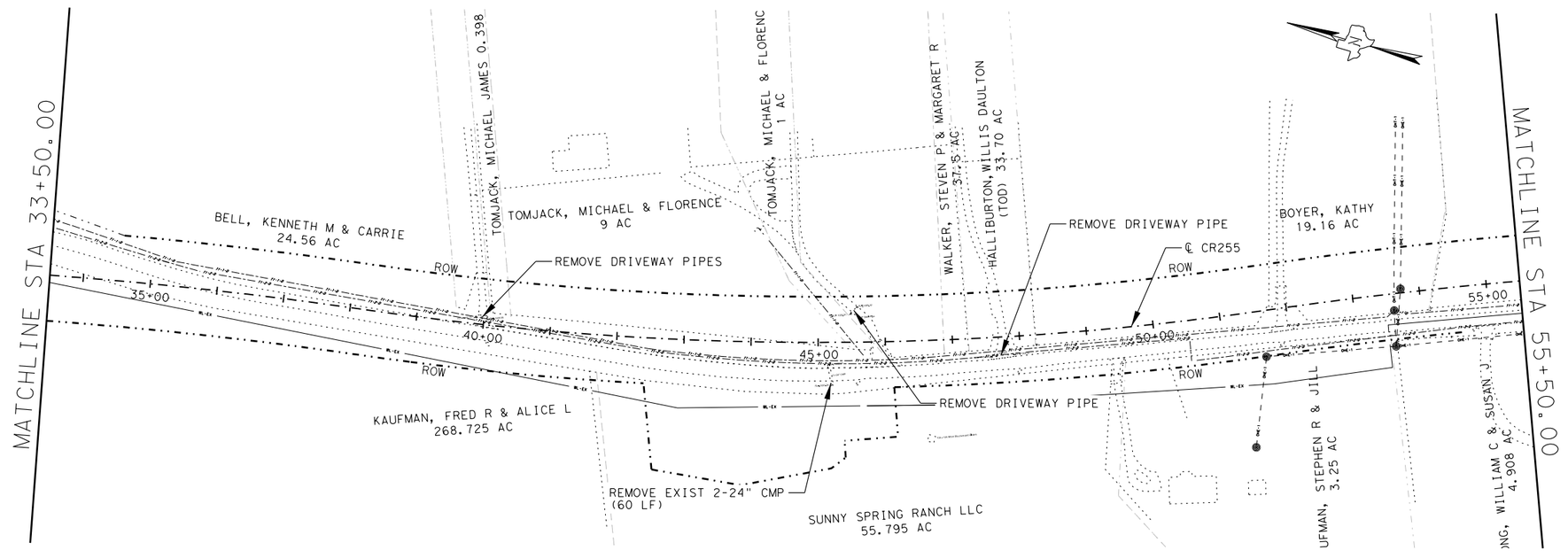
SCALE: 1" =200'

LEGEND





STATE OF TEXAS
GERALD A. LANKES
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PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group

TBPE License No. 12670

PLANNING • ENGINEERING • CONSTRUCTION

CR 255
REMOVALS PLAN
BEGINNING TO STA 55+50.00

SHEET 1 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			133

USER: korahoske
DATE: 11/6/2024
SCRIPT: pw://server.slg-eng.com:Slg-obs/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255.jpkt.pen
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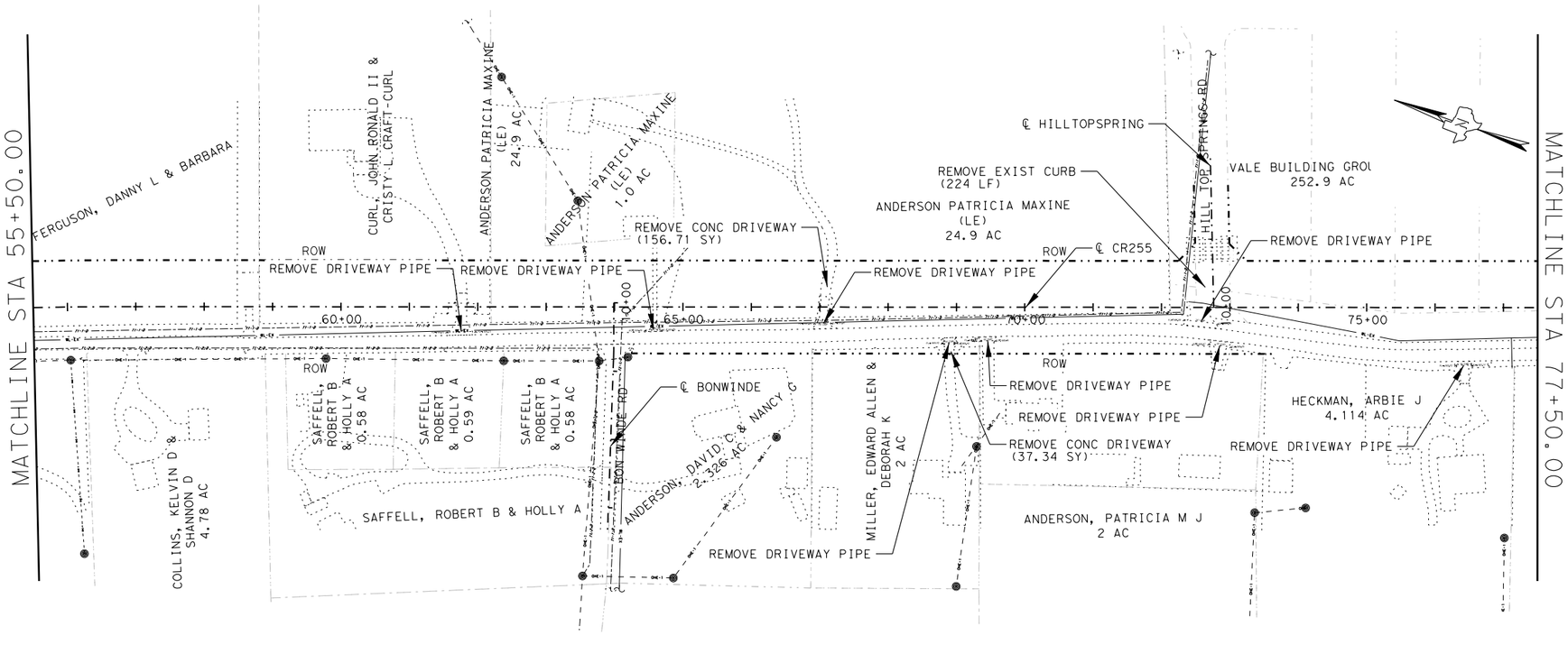
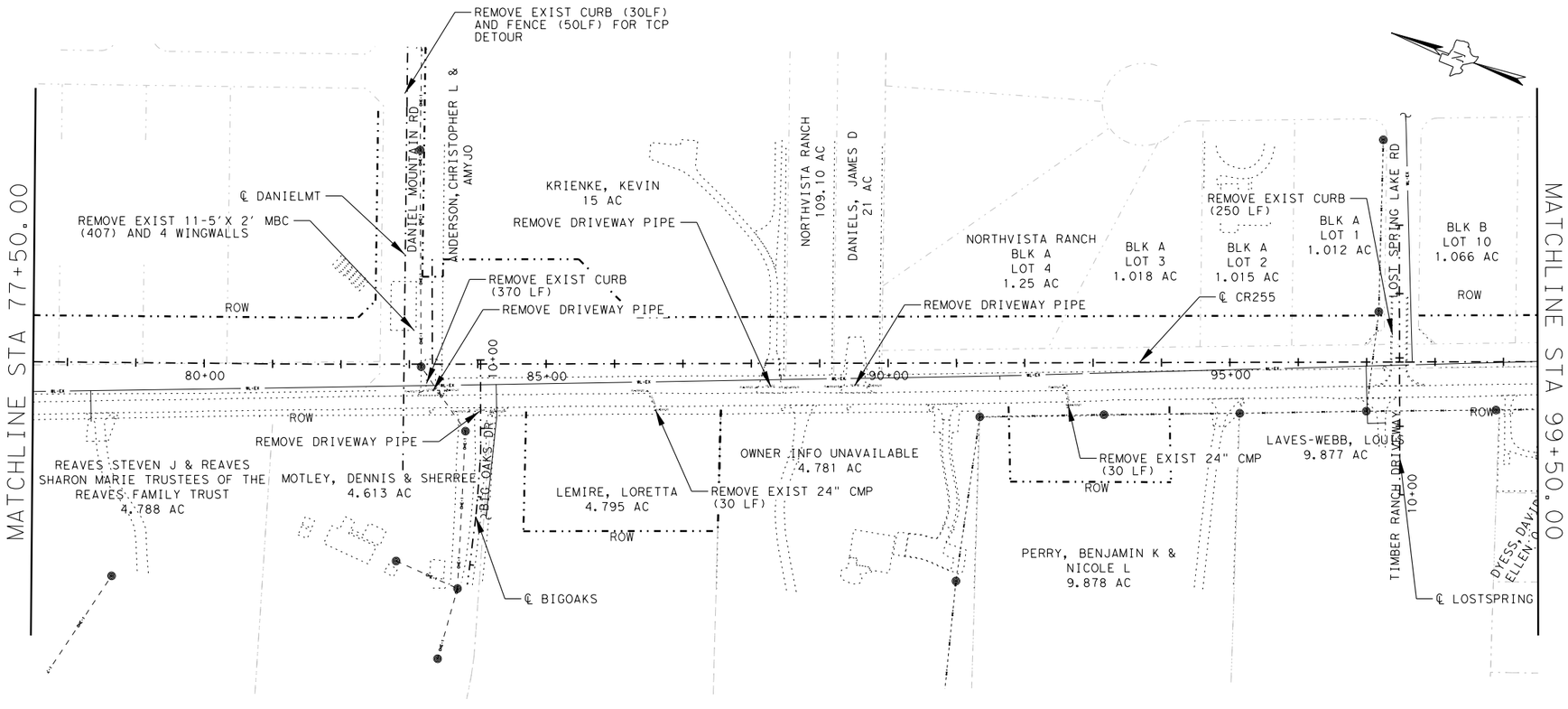
2:10

0 100 200

SCALE: 1" =200'

LEGEND





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GERALD A. LANKES
107484
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11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

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PLANNING • ENGINEERING • CONSTRUCTION

CR 255
REMOVALS PLAN
STA 55+50.00 TO STA 99+50.00

SHEET 2 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			134

USER: korahoske
DATE: 11/6/2024 2:10
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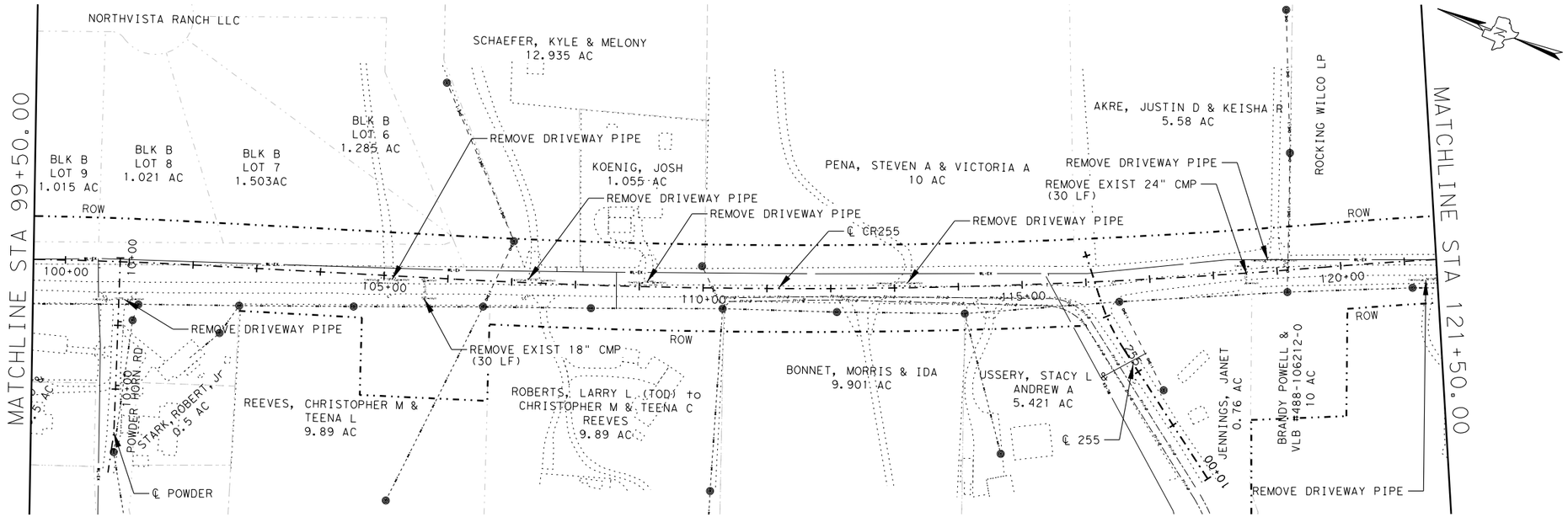
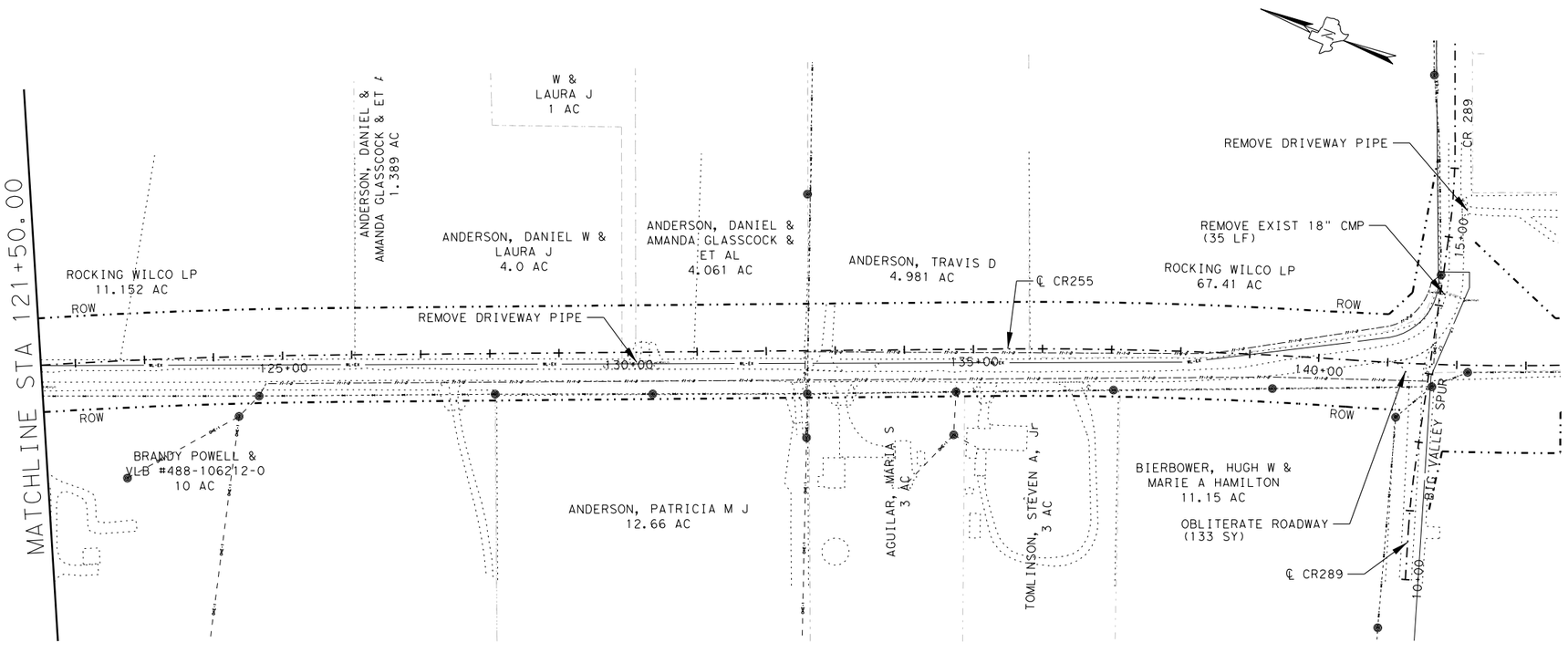
0 100 200

SCALE: 1" =200'

LEGEND





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GERALD A. LANKES
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11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

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CR 255
REMOVALS PLAN
STA 99+50.00 TO
STA 143+50.00

SHEET 3 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			135

USER: korahoske
DATE: 11/6/2024 2:10
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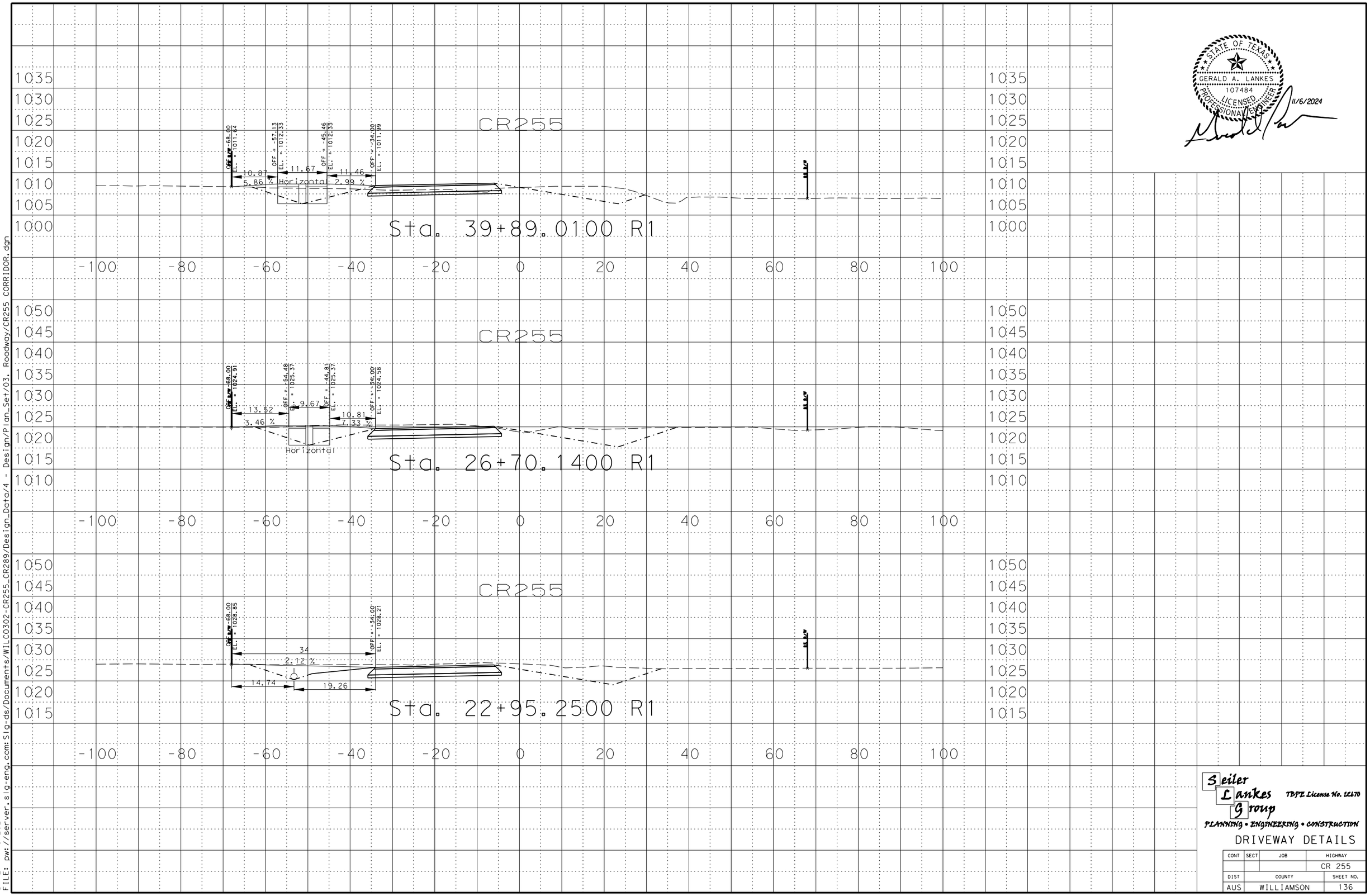

GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		136

DATE: 11/6/2024 2:10
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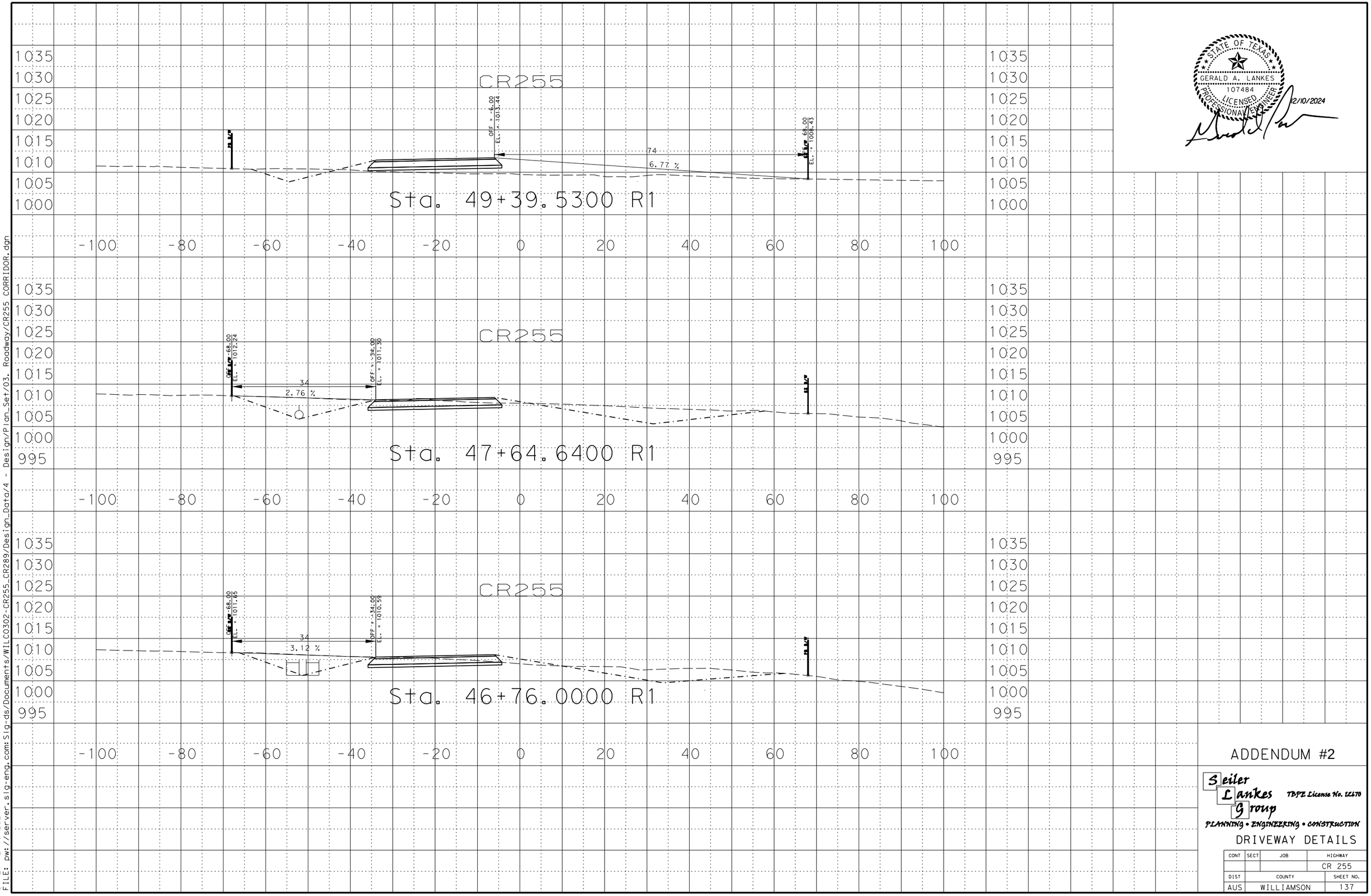

STATE OF TEXAS
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107484
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12/10/2024

ADDENDUM #2

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		137

DATE: 12/10/2024 4:32
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/CR255 CORRIDOR.dgn

STATE OF TEXAS
GERALD A. LANKES
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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		138

DATE: 11/6/2024 2:10
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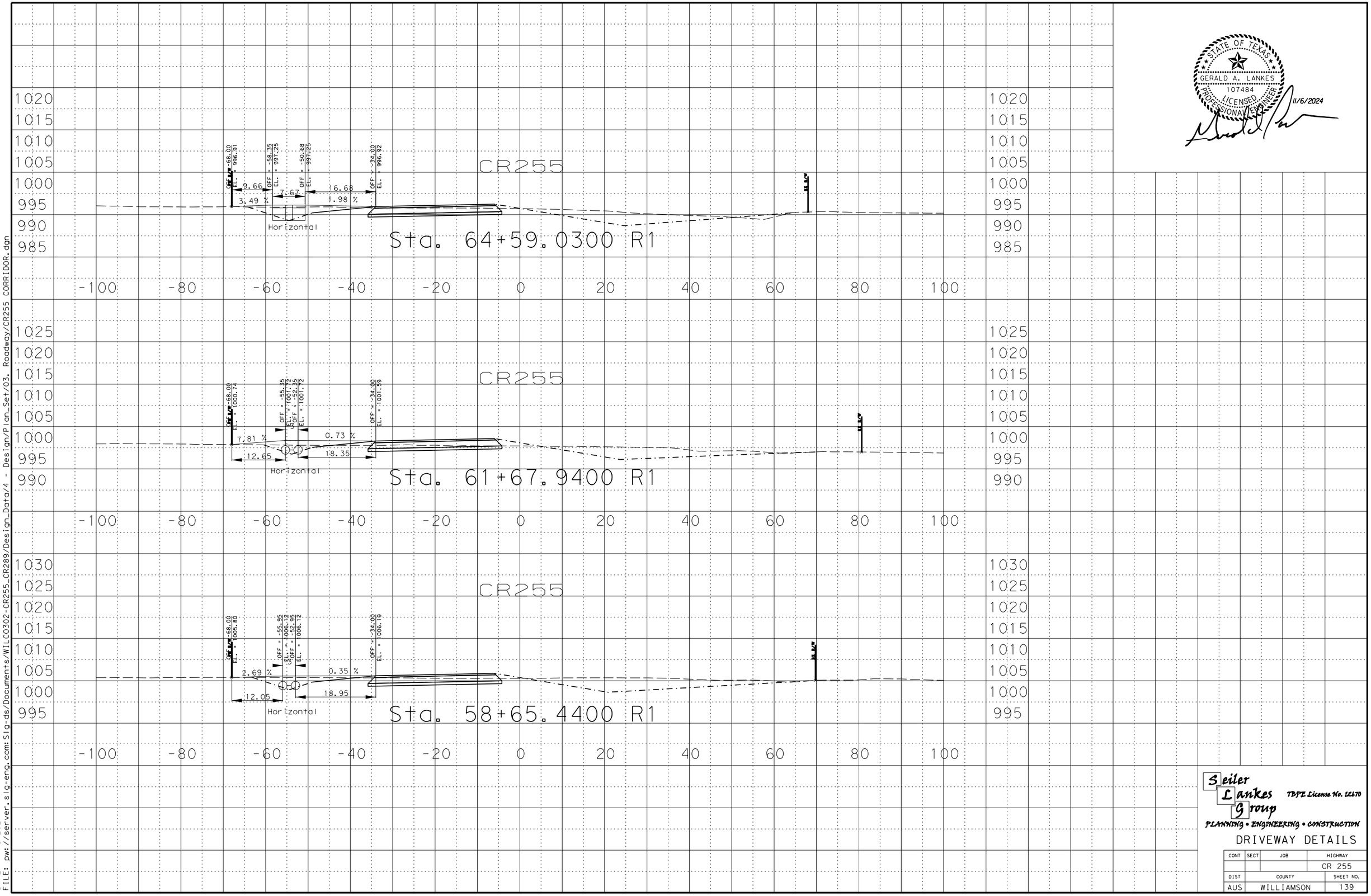

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STATE OF TEXAS
11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		139

DATE: 11/6/2024 2:10
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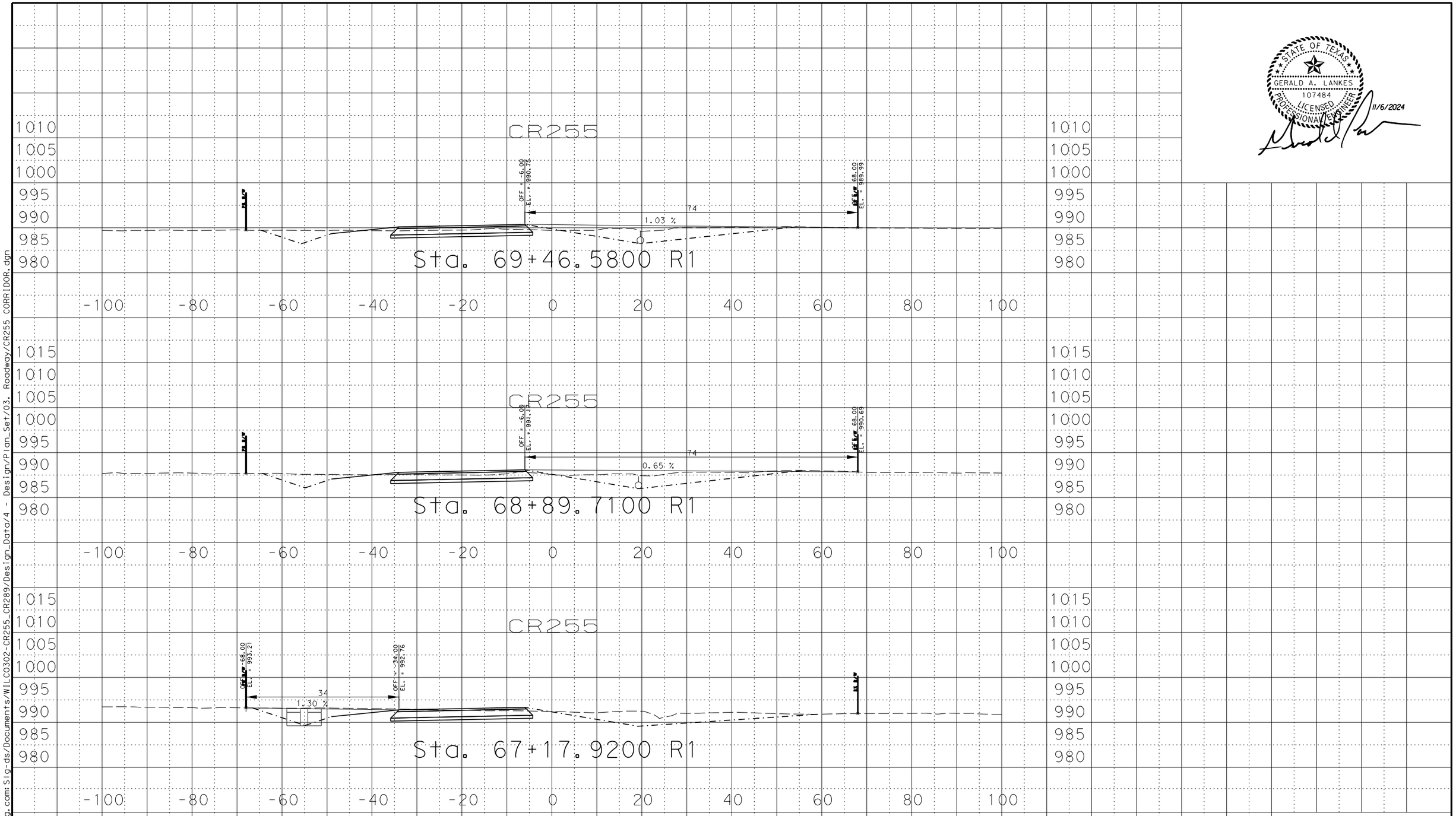

STATE OF TEXAS
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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		140

DATE: 11/6/2024 2:10
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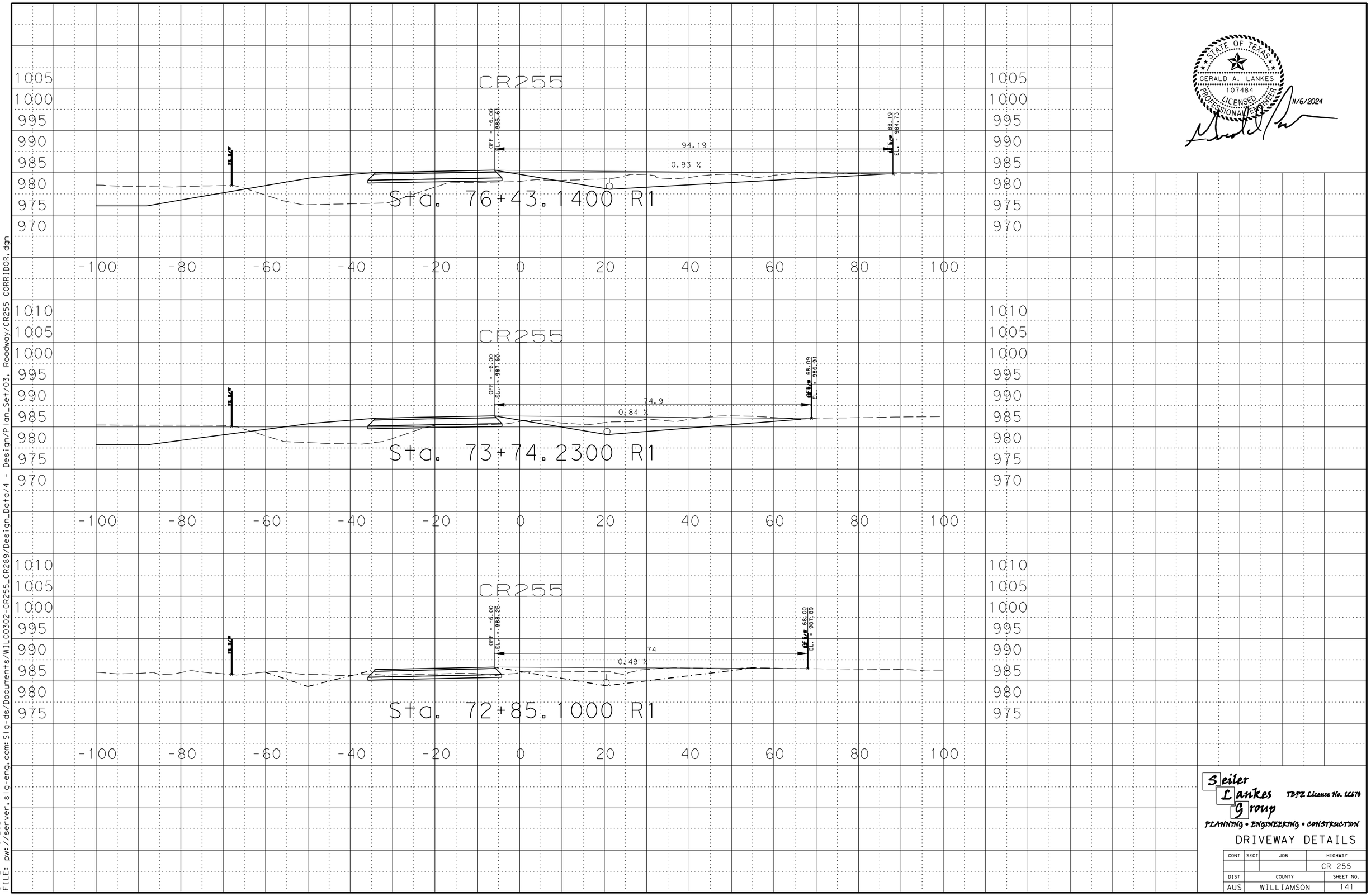

STATE OF TEXAS
GERALD A. LANKES
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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		141

DATE: 11/6/2024 2:10
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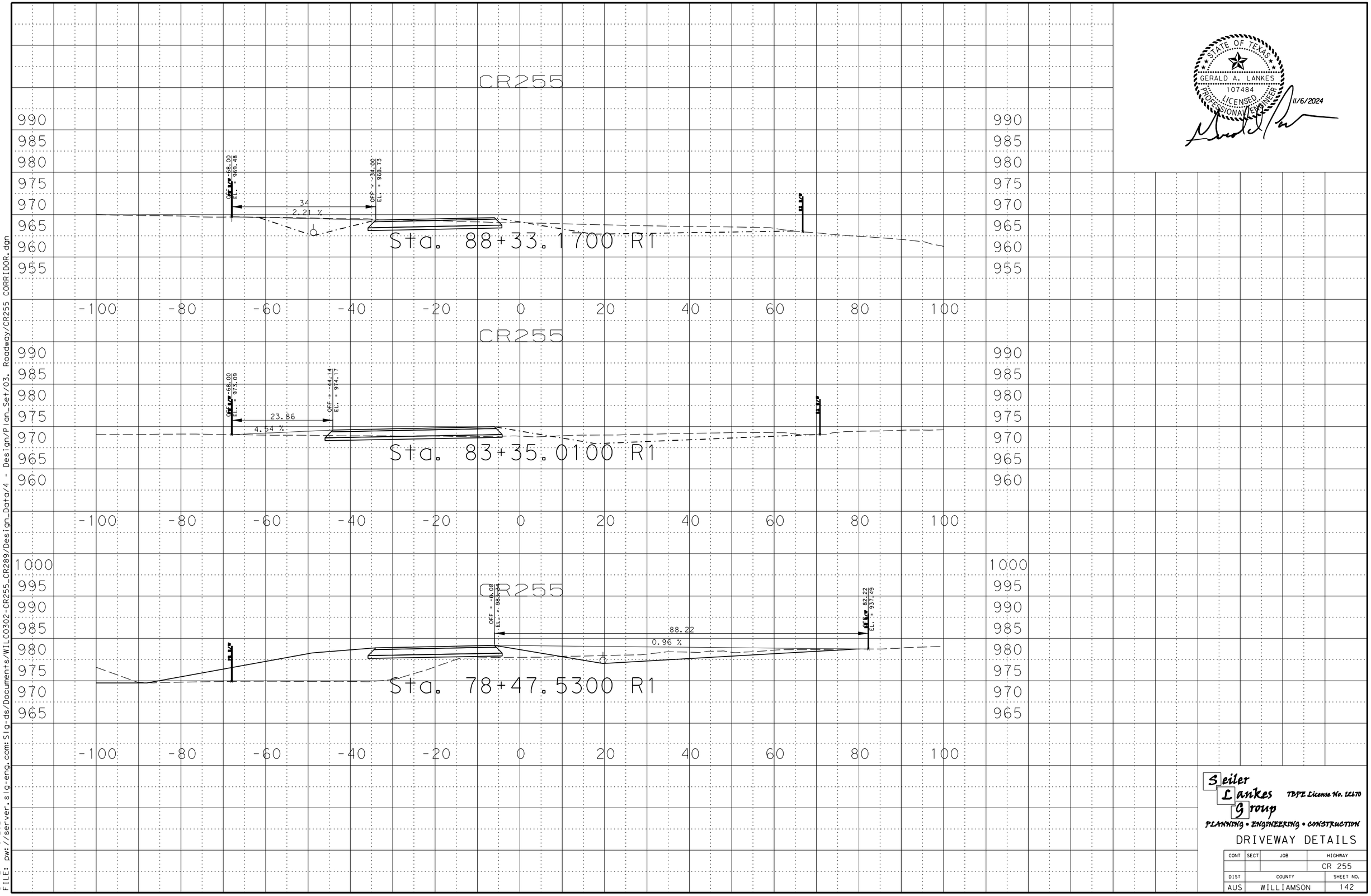

STATE OF TEXAS
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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		142

DATE: 11/6/2024 2:10
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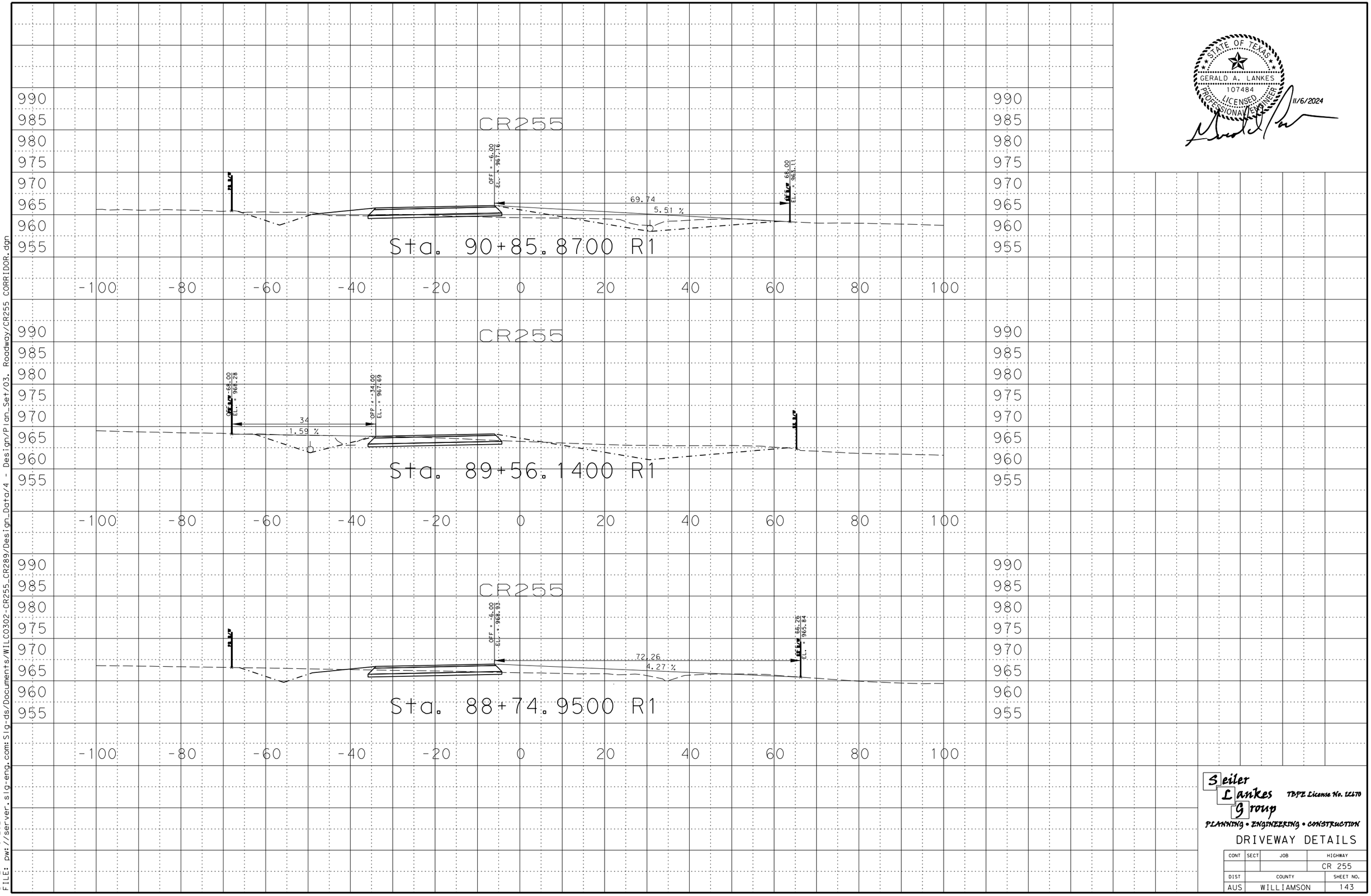

STATE OF TEXAS
GERALD A. LANKES
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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		143

DATE: 11/6/2024 2:10
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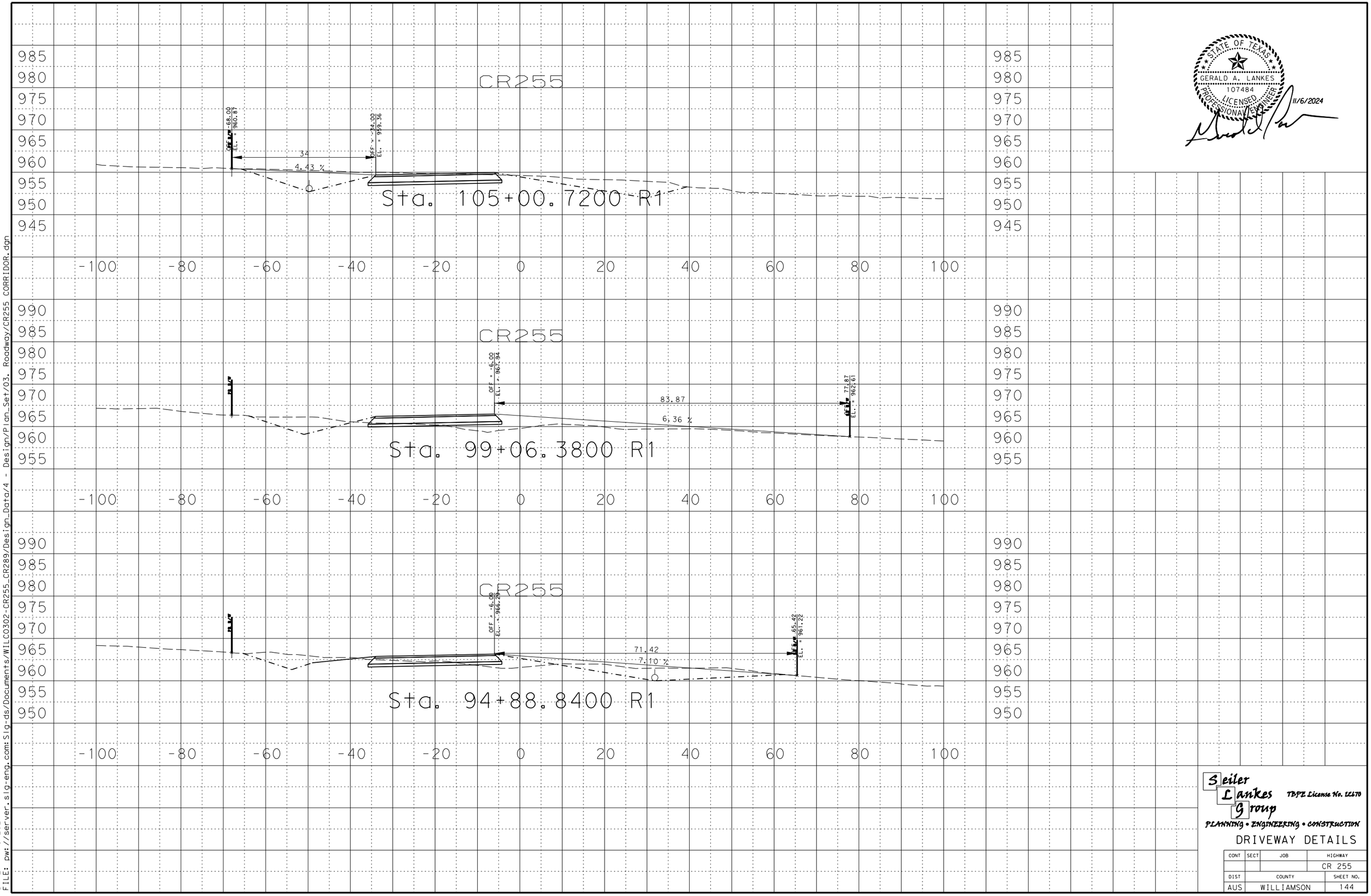

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GERALD A. LANKES
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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		144

DATE: 11/6/2024 2:10
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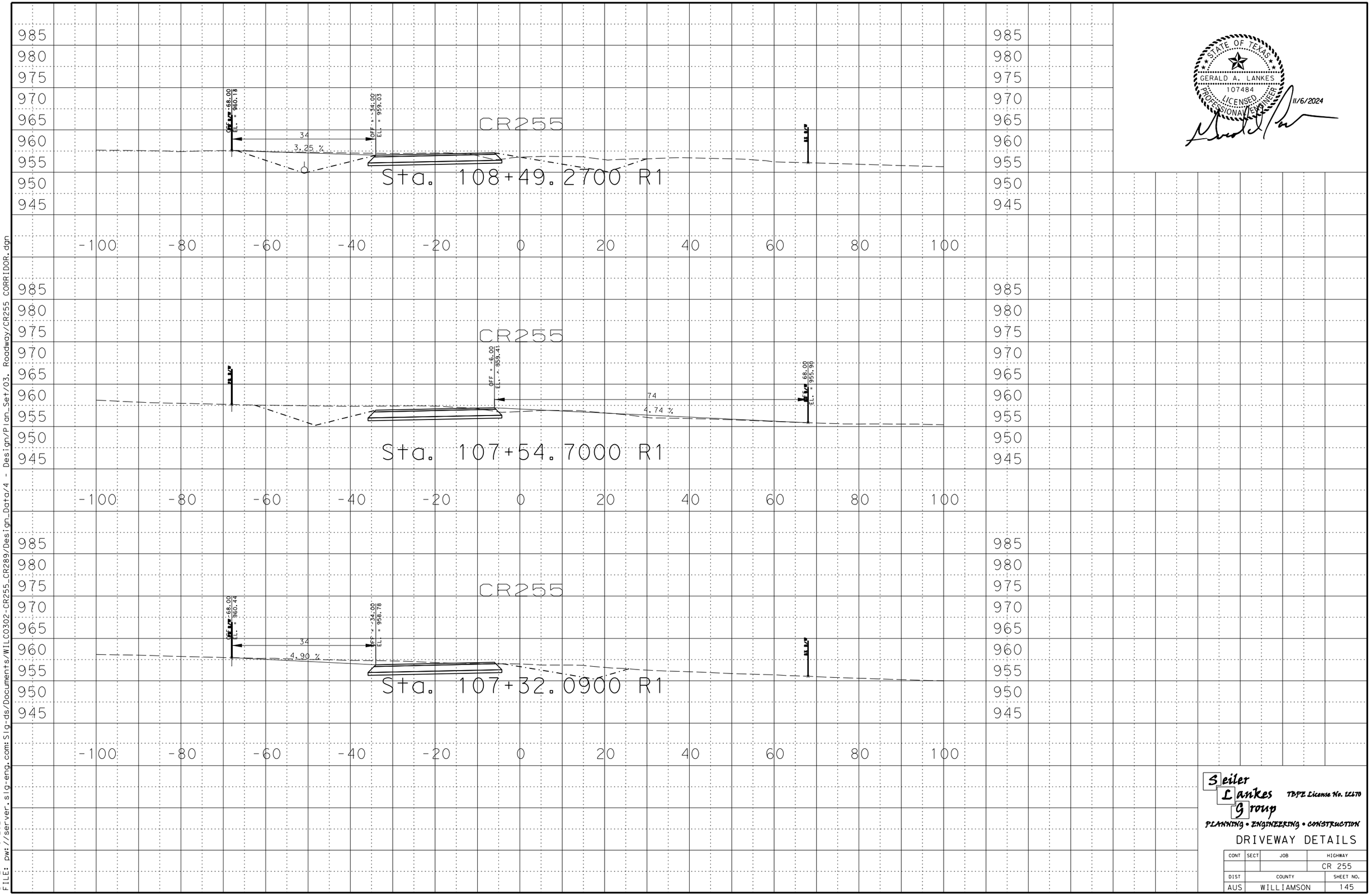

STATE OF TEXAS
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11/6/2024

DATE: 11/6/2024 2:10
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/CR255 CORRIDOR.dgn

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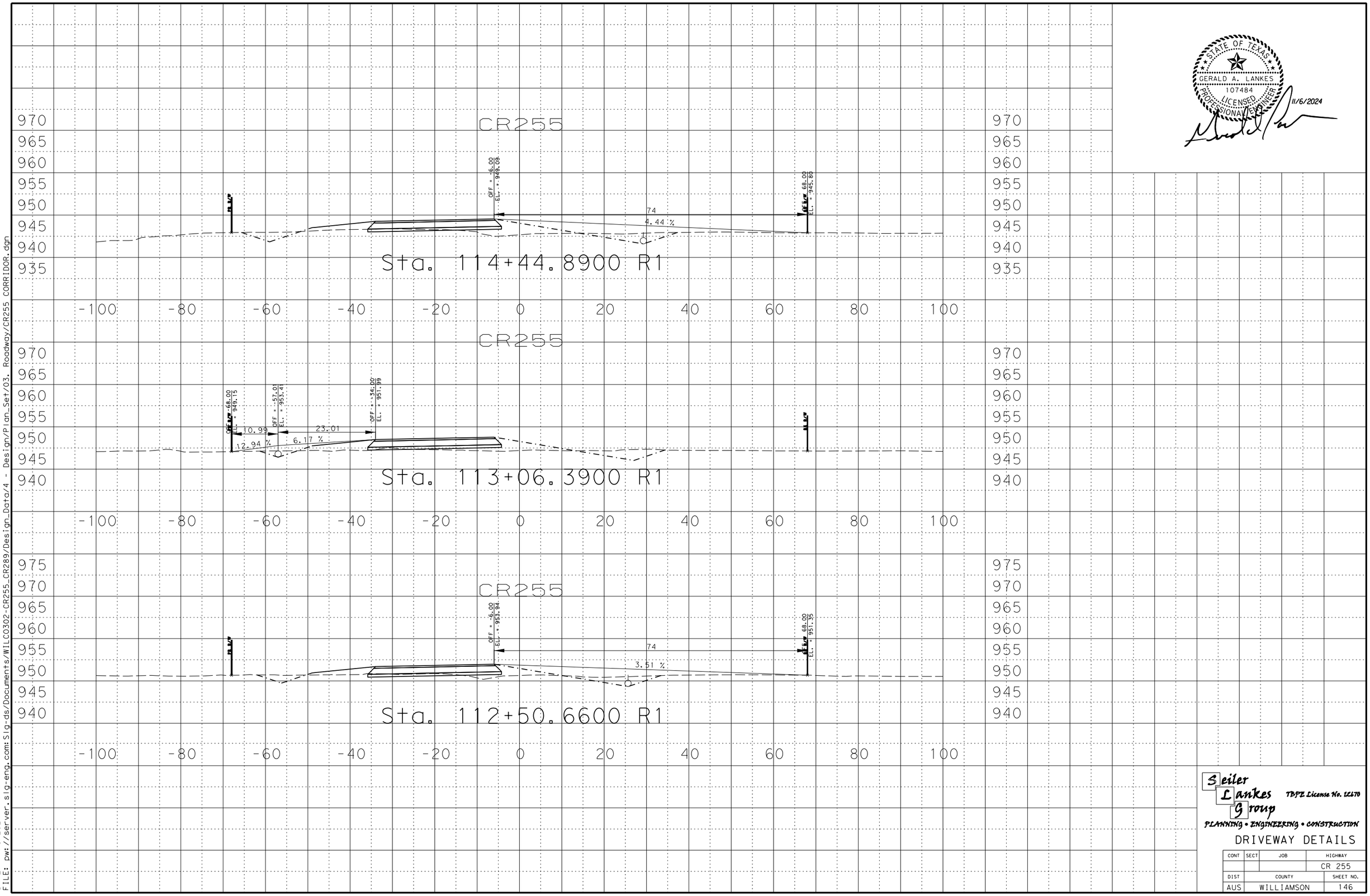
DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		145



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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		146

DATE: 11/6/2024 2:10
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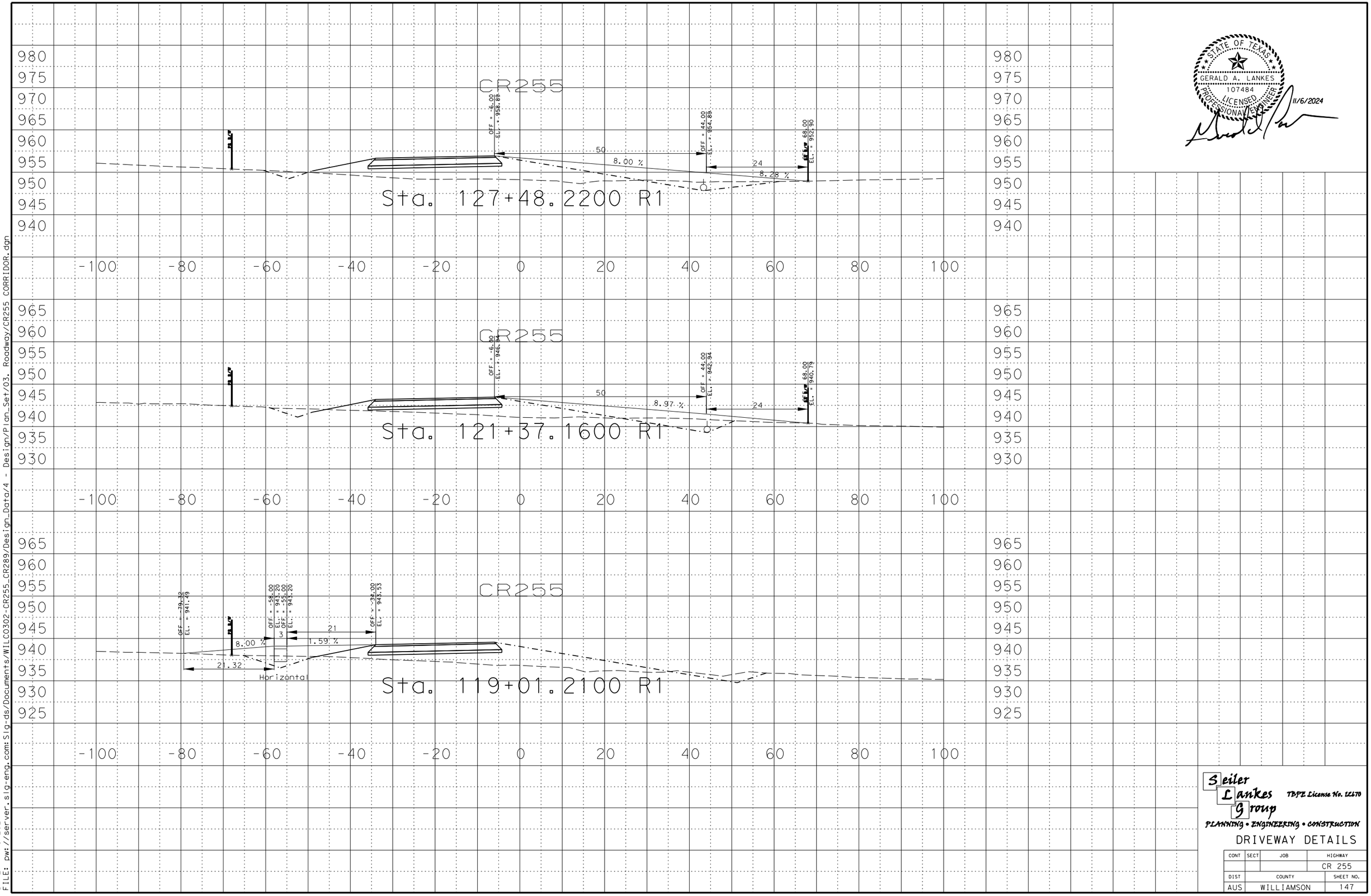

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		147

DATE: 11/6/2024 2:10
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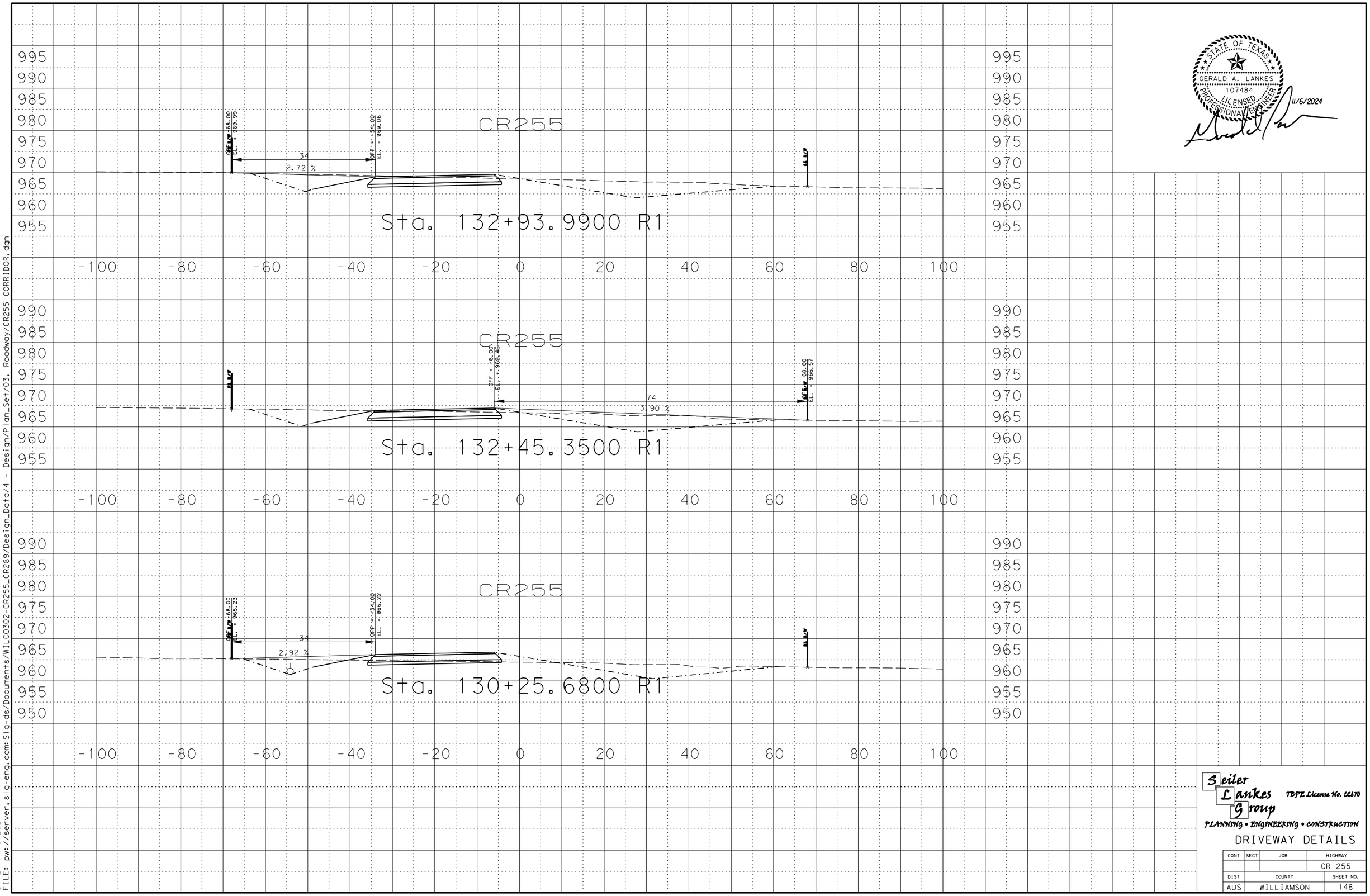

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		148

DATE: 11/6/2024 2:10
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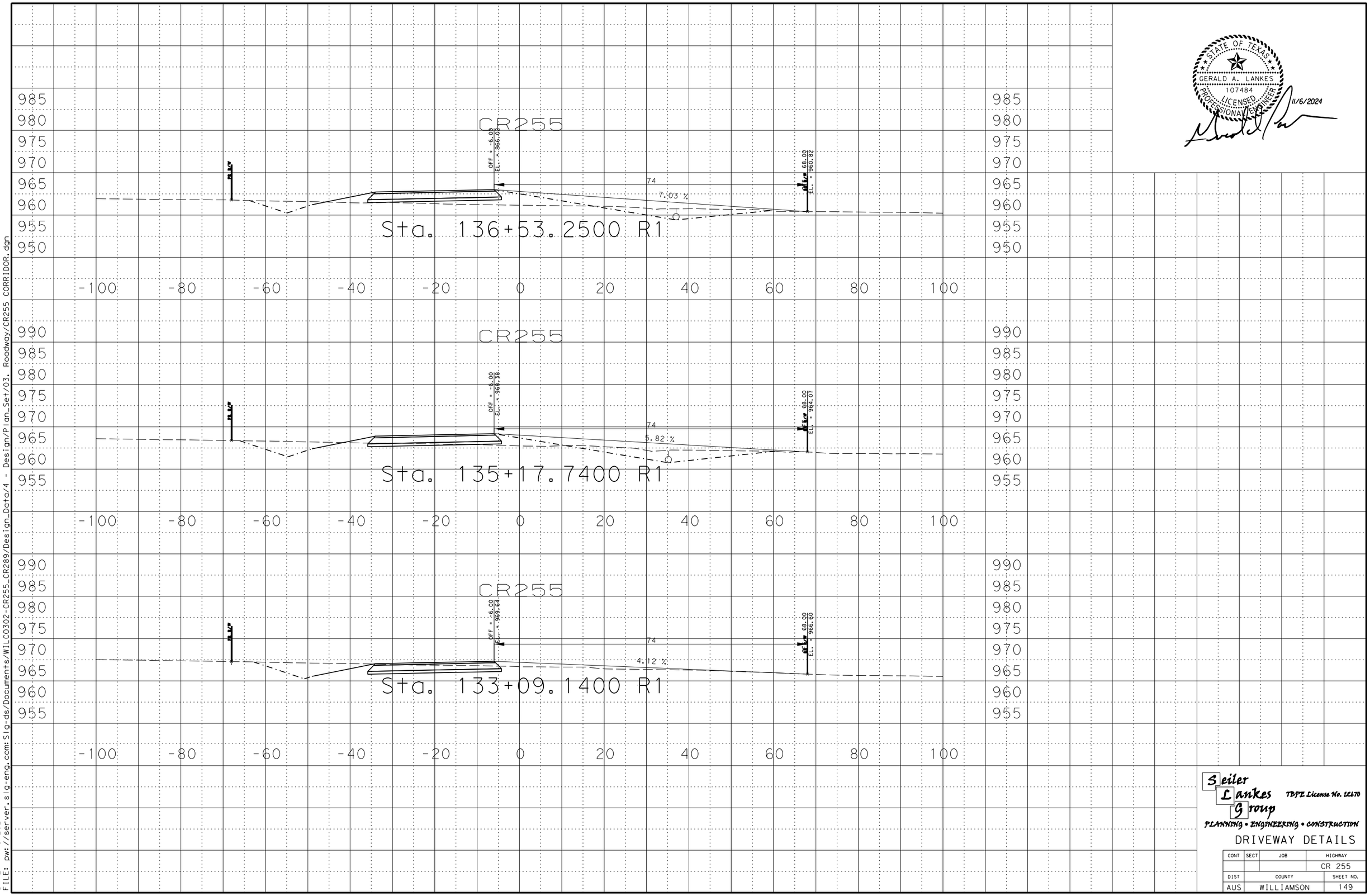

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		149

DATE: 11/6/2024 2:10
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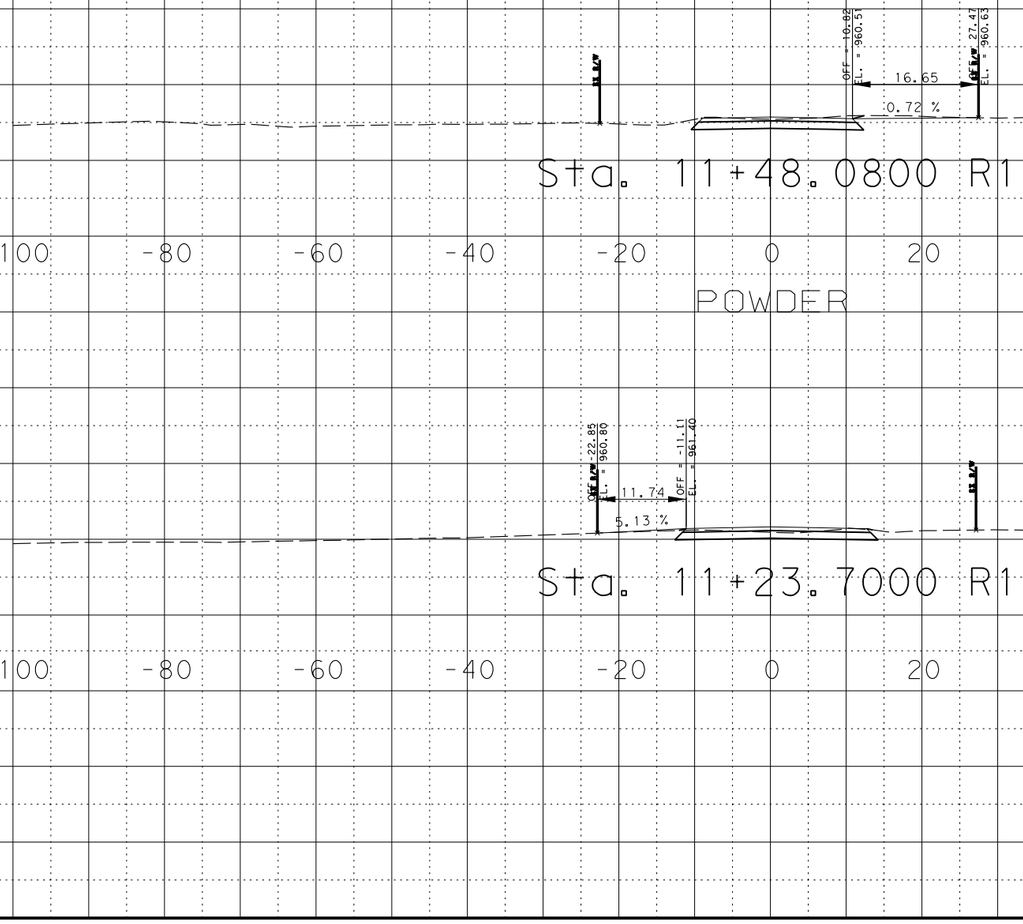

STATE OF TEXAS
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11/6/2024

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		150

DATE: 11/6/2024 2:10
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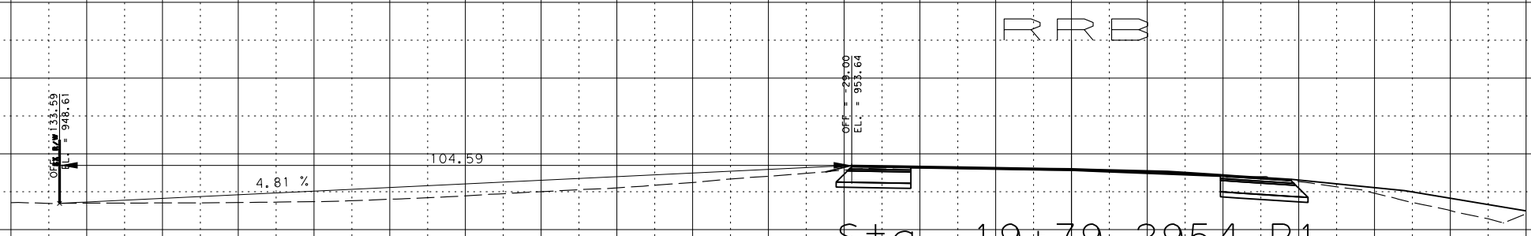

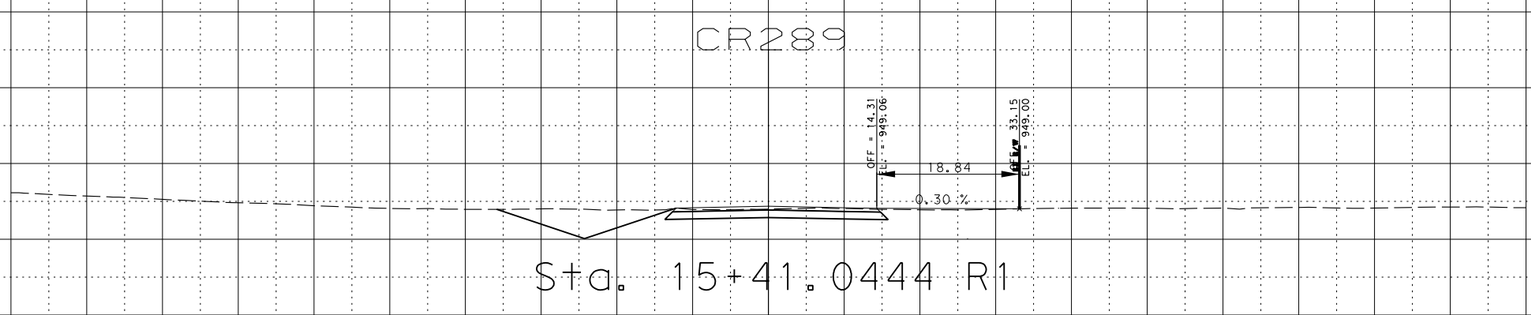

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DRIVEWAY DETAILS

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		151

DATE: 11/6/2024 2:10
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/CR255 CORRIDOR.dgn

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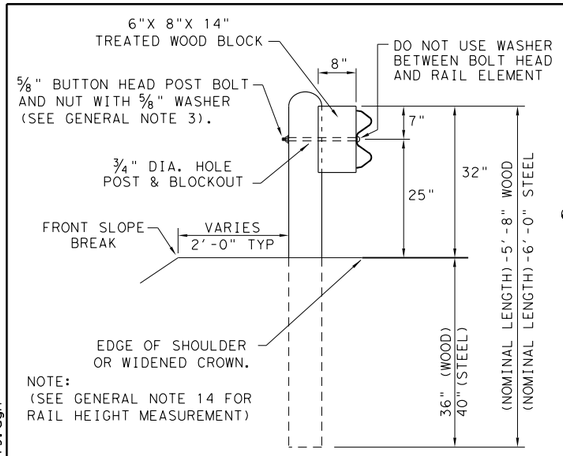
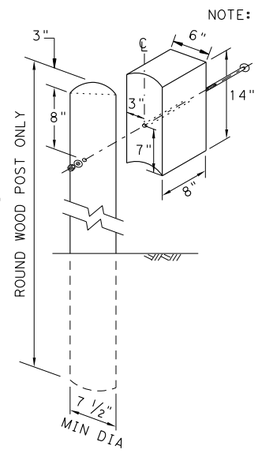
DATE: 11/6/2024
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/Standards/gf3119.dgn

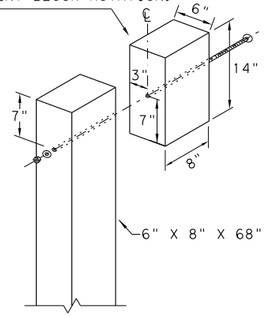


TYPICAL POST PLACEMENT

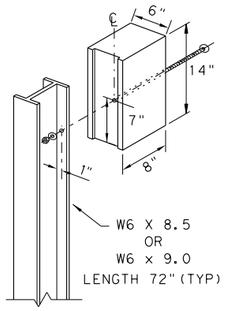


WOOD BLOCK TO
ROUND WOOD POST

NOTE: TOENAIL WITH ONE 16D GALV. NAIL TO PREVENT BLOCK ROTATION.

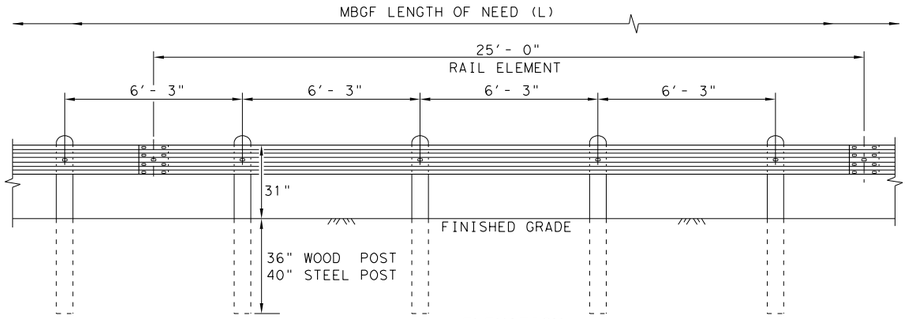


WOOD BLOCK TO
RECTANGULAR WOOD POST



ROUTED WOOD BLOCK
TO I-BEAM STEEL POST

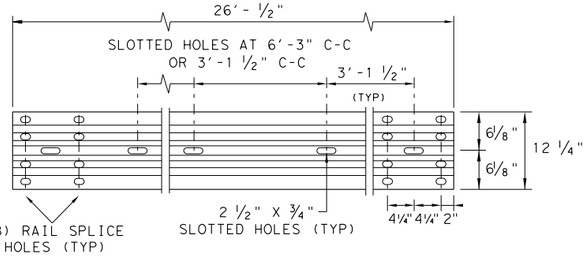
NOTE: ✳✳ "WOOD" INDICATES DIMENSIONS FOR BOTH ROUND AND RECTANGULAR WOOD POST SYSTEMS.



DIRECTION OF TRAFFIC

ELEVATION
MID-SPAN RAIL SPLICE

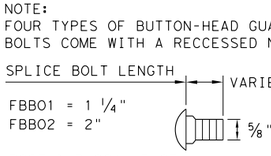
SHOWING A 25'- 0" SECTION OF W-BEAM RAIL. (SEE GENERAL NOTE 2)



ELEVATION 25'- 0"(NOM.) W-BEAM SECTION

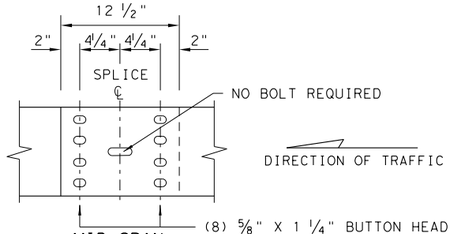
NOTES: SEE GENERAL NOTE 2 FOR ALLOWABLE RAIL TYPES.
SEE RAIL SPLICE DETAIL FOR REQUIRED HARDWARE.

NOTE:
FOUR TYPES OF BUTTON-HEAD GUARD RAIL BOLTS COME WITH A RECCESSED NUT.



BUTTON HEAD BOLT

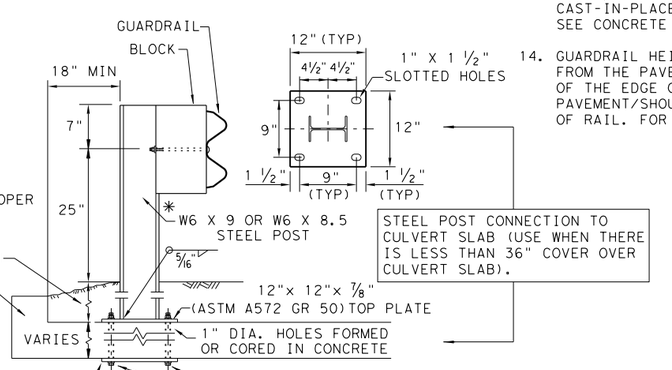
NOTE: SEE GENERAL NOTE 3 FOR SPLICE & POST BOLT DETAILS.



DIRECTION OF TRAFFIC

MID-SPAN
RAIL SPLICE DETAIL

NOTE: GF(31), MID-SPAN RAIL SPLICES ARE REQUIRED WITH 6'-3" POST SPACINGS.



STEEL POST CONNECTION TO CULVERT SLAB (USE WHEN THERE IS LESS THAN 36" COVER OVER CULVERT SLAB).

LOW FILL CULVERT POST

NOTE: TWO INSTALLATION OPTIONS.

1. BOLT-THROUGH OPTION: REQUIRES A 6" MIN. SLAB THICKNESS. 7/8" DIA (ASTM A449) HEAVY HEX BOLTS WITH TWO HARDENED WASHER EACH AND HEAVY HEX NUTS.
   NOTE: BOLT LENGTH = SLAB PLUS 2 1/4" MIN.

2. EPOXY ANCHOR OPTION: THIS OPTION MAY ONLY BE USED IF THE CULVERT SLAB IS 9" MIN. THICK. THREADED ANCHOR RODS MUST BE 7/8" DIA. ASTM A449 OR A193 GRADE B7 WITH HEAVY HEX NUT, AND ONE HARDENED WASHER EACH. EMBED ANCHOR RODS 6" WITH HILTI HIT RE 500 EPOXY ADHESIVE. OTHER TYPE III CLASS C EPOXY ADHESIVES MEETING THE REQUIREMENTS OF DMS-6100, "EPOXIES AND ADHESIVES", MAY BE USED IF IT CAN BE DEMONSTRATED THAT THEY MEET OR EXCEED THE STRENGTH OF HILTI HIT RE 500 WITH THE SAME EMBEDMENT DEPTH AND THREADED ROD DIA. FOLLOW THE MANUFACTURER'S REQUIREMENTS FOR INSTALLING EPOXIED THREADED RODS. EXTEND RODS 1/4" MIN. BEYOND NUT.

NOTE: CULVERTS OF 25 FT. OR LESS, SEE GF(31)LS STANDARD FOR "LONG SPAN" OPTION.

NOTE: TRANSISTIONS TO BRIDGE RAILS OR TRAFFIC BARRIERS.
SEE GF(31)TL3 TR STANDARD FOR HIGH-SPEED TL-3 TRANSITIONS.
SEE GF(31)TL2 TR STANDARD FOR LOW-SPEED TL-2 TRANSITIONS.

GENERAL NOTES

1. THE TYPE OF POST (ROUND WOOD POST, RECTANGULAR WOOD POST, OR STEEL POST) WILL BE AS SHOWN IN THE PLANS. THE EXACT POSITION OF MBGF SHALL BE SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. STEEL POSTS TO BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING."
2. RAIL ELEMENTS SHALL MEET THE REQUIREMENTS OF ITEM 540,"METAL BEAM GUARD FENCE" EXCEPT AS MODIFIED IN THE PLANS. THE CONTRACTOR MAY FURNISH RAIL ELEMENTS OF 25'- 0", OR 12'- 6" (NOM.) LENGTHS. RAIL ELEMENTS MAY HAVE SLOTTED HOLES AT 3'-1 1/2" C-C OR 6'-3" C-C. A SPECIAL LENGTH OF RAIL MAY BE MANUFACTURED TO ACCOMMODATE THE DOWNSTREAM ANCHOR TERMINAL (DAT) AND THE TRANSITION SECTIONS OF GUARDRAIL.
3. BUTTON HEAD "POST BOLTS & NUTS" SHALL MEET THE REQUIREMENTS OF (ASTM A307), AND SHALL BE OF SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND 5/8" WASHER (FWC16a) AND NOT MORE THAN 1" BEYOND IT. TRIM REMAINING BOLT LENGTH TO MEET REQUIRED LENGTH.
4. FITTINGS (BOLTS, NUTS, AND WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445,"GALVANIZING." FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
5. CROWN SHALL BE WIDENED TO ACCOMMODATE THE METAL BEAM GUARD FENCE.
6. THE LATERAL APPROACH TO THE GUARD FENCE, SHALL HAVE A MAXIMUM SLOPE OF 1V:10H.
7. IF SHOWN ELSEWHERE IN THE PLANS OR AS DIRECTED BY THE ENGINEER, THE GUARD FENCE MAY BE FLARED AT A RATE OF 25:1 OR FLATTER.
8. UNLESS OTHERWISE SHOWN IN THE PLANS, GUARD FENCE PLACED IN THE VICINITY OF CURBS SHALL BE POSITIONED SO THAT THE FACE OF CURB IS LOCATED DIRECTLY BELOW OR BEHIND THE FACE OF THE RAIL. RAIL PLACED OVER CURBS SHALL BE INSTALLED SO THAT THE POST BOLT IS LOCATED APPROXIMATELY 25 INCHES ABOVE THE GUTTER PAN OR EDGE OF SHOULDER.
9. APPLICATIONS IN SOLID ROCK ARE ONLY ALLOWED WITH STEEL POSTS. IF SOLID ROCK IS ENCOUNTERED WITHIN 0 TO 18" OF THE FINISHED GRADE, DRILL A 24" DIA. HOLE, 24" INTO THE ROCK. IF SOLID ROCK IS ENCOUNTERED BELOW 18", DRILL A 12" DIA. HOLE, 12" INTO THE ROCK OR TO THE STANDARD EMBEDMENT DEPTH, WHICHEVER MAYBE LESS. ANY EXCESS POST LENGTH, AFTER MEETING THESE DEPTHS, MAY BE FIELD CUT TO ENSURE PROPER GUARDRAIL MOUNTING HEIGHT. BACKFILL WITH COARSE AGGREGATE MATERIAL.
10. POSTS SHALL NOT BE SET IN CONCRETE, OF ANY DEPTH.
11. SPECIAL FABRICATION WILL BE REQUIRED AT INSTALLATION LOCATIONS HAVING A CURVATURE OF LESS THAN 150 FT. RADIUS.
12. UNLESS OTHERWISE SHOWN IN THE PLANS, A COMPOSITE MATERIAL BLOCK THAT MEETS THE REQUIREMENTS OF DMS-7210,"COMPOSITE MATERIAL POSTS AND BLOCKS FOR METAL BEAM GUARD FENCE" MAY BE SUBSTITUTED FOR BLOCKS OF SIMILAR DIMENSIONS. THE CONSTRUCTION DIVISION, TXDOT MAINTAINS A MATERIAL PRODUCER LIST (MPL) FOR PRODUCERS OF MATERIALS CONFORMING TO DMS-7210 ONLY PRODUCERS ON THE MPL MAY FURNISH COMPOSITE MATERIAL BLOCKS.
13. FOR THE LOW FILL CULVERT OPTION, POSTS LOCATED PARTIALLY OR WHOLLY BETWEEN PRECAST BOX CULVERT UNITS, THE USE OF A CAST-IN-PLACE CONCRETE CLOSURE BETWEEN BOXES IS REQUIRED. THE LENGTH OF THE CAST-IN-PLACE CONCRETE CLOSURE SHALL ACCOMMODATE THE PLACEMENT OF THE LOW FILL CULVERT OPTION. SEE CONCRETE CLOSURE DETAILS ON BRIDGE STANDARD SCP-MD.
14. GUARDRAIL HEIGHT MEASUREMENT: WHEN THE GUARDRAIL IS LOCATED ABOVE PAVEMENT, MEASURE THE HEIGHT FROM THE PAVEMENT TO THE TOP OF THE W-BEAM RAIL. WHEN THE GUARDRAIL IS LOCATED UP TO 2 FT. OFF OF THE EDGE OF PAVEMENT OR FOR A PAVEMENT OVERLAY, USE A 10-FOOT STRAIGHTEDGE TO EXTEND THE PAVEMENT/SHOULDER SLOPE TO THE BACK OF RAIL, MEASURE FROM THE BOTTOM OF STRAIGHTEDGE TO THE TOP OF RAIL. FOR GUARDRAIL LOCATED DOWN A 10:1 SLOPE, MEASURE FROM THE NOMINAL TERRAIN.

Texas Department of Transportation

Design Division Standard

METAL BEAM GUARD FENCE
TL-3 MASH COMPLIANT
GF(31)-19

FILE: gf3119.dgn	DN: TxDOT	CK: KM	DW: VP	CK: CGL/AG
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REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		152

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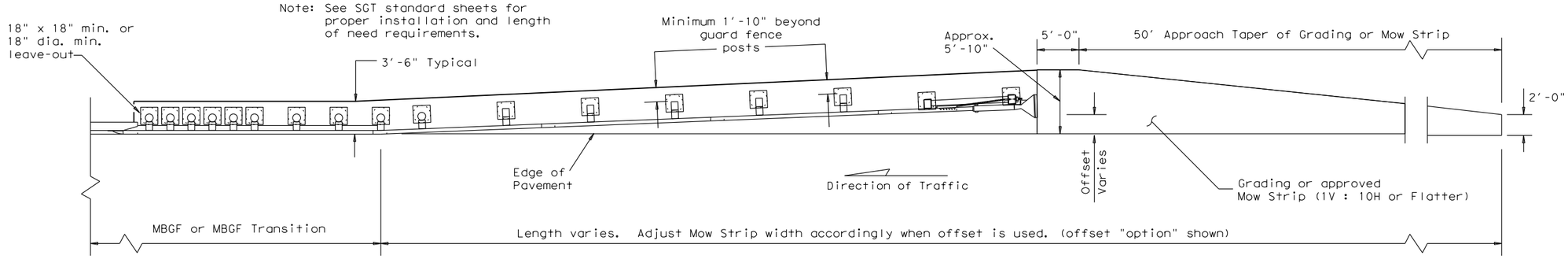
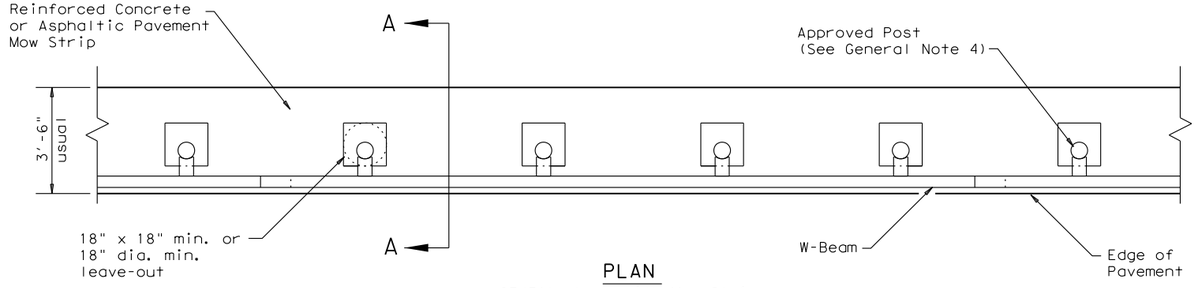
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/Standards/gf31ms19.dgn

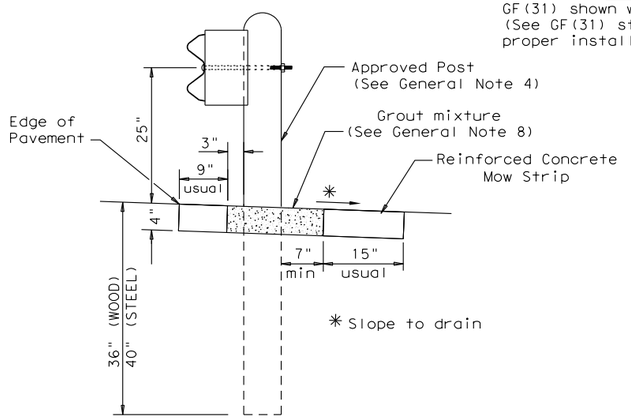


GRADING AND MOW STRIP AT GUARDRAIL END TREATMENTS



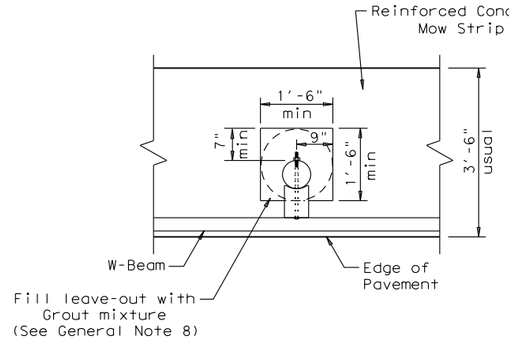
PLAN

GF(31) shown with Mow Strip
(See GF(31) standard sheet for proper installation)



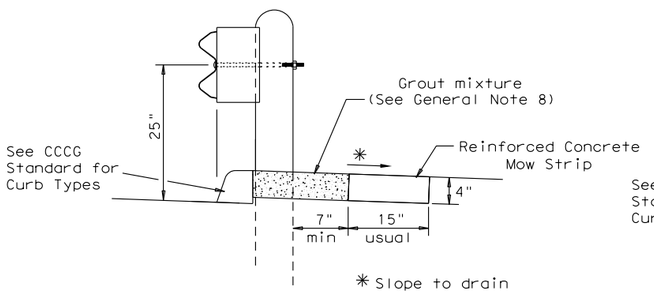
SECTION A-A

Typical



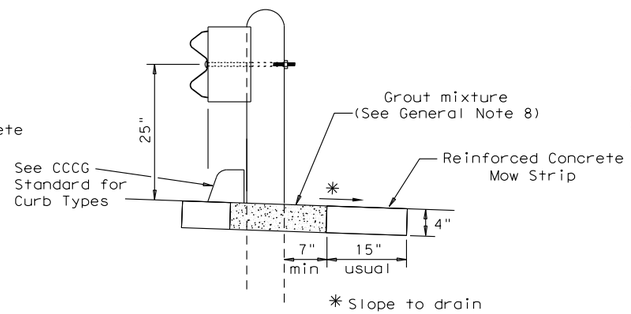
MOW STRIP DETAIL

Reinforced Concrete Mow Strip
with 18" x 18" Square or
18" Dia. minimum leave-out.



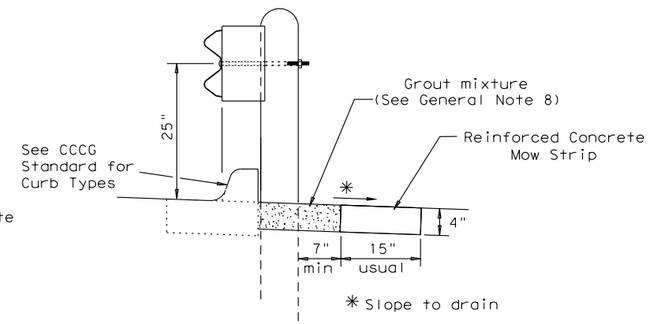
CURB OPTION (1)

This option will increase the post embedment throughout the system.



CURB OPTION (2)

Curb shown on top of mow strip



CURB OPTION (3)

Note: Site Condition(s)

Site conditions may exist where grading is required for the proper installation of metal guard fence and end treatments.

Approach grading or mow strip may be decreased or eliminated, as directed by the Engineer.

GENERAL NOTES

1. This mow strip design is for use with metal beam guard fence, guard fence transitions, and guard fence end treatments. See applicable GF(31) MBGF or GF(31) Transition Standard sheet for additional information.
2. Mow strips shall be reinforced concrete with (wire mesh or synthetic fiber), as shown on the plans and will be paid for under the pertinent bid item. Reinforced concrete shall be placed in accordance with Item 432, "Riprap." The use of the synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Material Producer List (MPL), maintained by TxDOT, Construction Division.
3. The leave-out behind the post shall be a minimum of 7".
4. Only steel (W6 x 8.5 or W6 x 9.0), or 7 ½" Dia. round wood posts are acceptable for use in the mow strip. See GF(31) Standard for additional details.
5. Other curb placement options may be used. Curbs are not considered part of the mow strip and will be paid for under other pertinent bid item.
6. Thickness of the mow strip will be 4".
7. The limits of payment for reinforced concrete will include leave-outs for the posts.
8. The leave-outs shall be filled with a Grout mixture consisting of: 2719 pounds sand, 188 pounds Type 1 or II cement, and 550 pounds of water per cubic yard, with a 28-day compressive strength of approximately 230 psi or less. Provide grout with a consistency that will flow into and completely fill all voids. Due to auger size, larger leave-out dimensions are acceptable from both an impact performance and maintenance repair standpoint (Suggested Maximum leave-out of 20"). Payment for furnishing and placing the grout mixture will be subsidiary to the pay item of riprap mow strip.

Texas Department of Transportation

Design Division Standard

METAL BEAM GUARD FENCE (MOW STRIP) TL-3 MASH COMPLIANT

GF(31)MS-19

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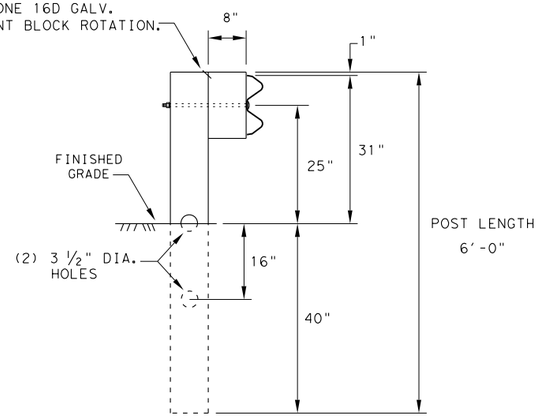
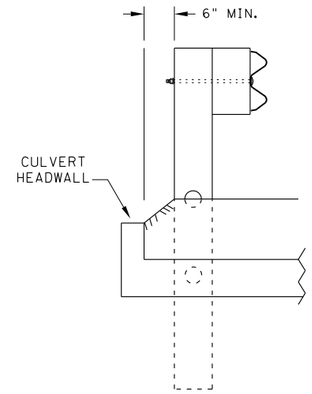


RECTANGULAR CRT POST
(6"X 8" X 6' LONG)

(6) CRT REQUIRED
SEE ELEVATION DETAIL FOR LOCATIONS



LATERAL OFFSET BETWEEN THE
GUARDRAIL AND THE CULVERT HEADWALL

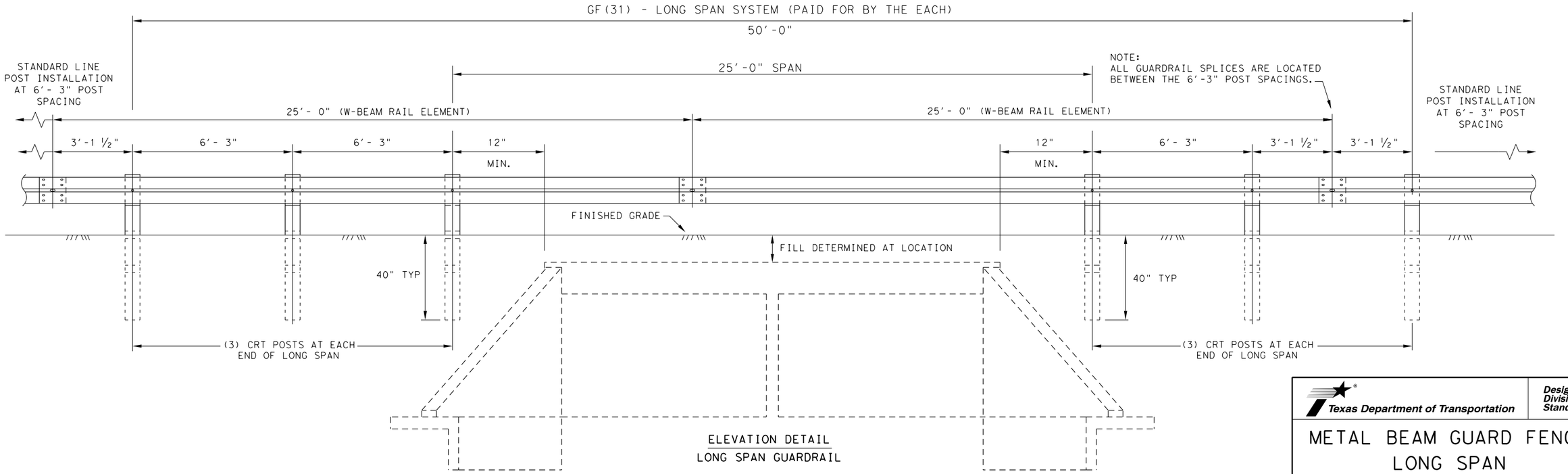
GENERAL NOTES

1. THE TYPE OF LINE POST (ROUND WOOD POST, RECTANGULAR WOOD POST, OR STEEL POST) WILL BE AS SHOWN IN THE PLANS. THE EXACT POSITION OF THE TRANSITIONS SHALL BE AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. STEEL POSTS TO BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING."
2. RAIL ELEMENT SHALL MEET ALL REQUIREMENTS OF ITEM 540, "METAL BEAM GUARD FENCE" EXCEPT AS MODIFIED ON THE PLANS. THE CONTRACTOR MAY FURNISH RAIL ELEMENTS OF 12'- 6" OR 25'- 0" NOMINAL LENGTHS.
3. RAIL POST HOLES ARE OFFSET 3'- 1 ½" FROM STANDARD GUARDRAIL TO ACCOMMODATE THE MIDSPAN SPLICING.
4. BUTTON HEAD "POST BOLTS & NUTS" SHALL MEET THE REQUIREMENTS OF (ASTM A307), AND SHALL BE OF SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND ⅝" WASHER (FWC16a) AND NO MORE THAN 1" BEYOND IT.
5. FITTINGS (BOLTS, NUTS, AND WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING". FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
6. WHERE SOLID ROCK IS ENCOUNTERED, CONTACT THE DESIGN DIVISION FOR ADDITIONAL GUIDANCE. (512) 416-2678
7. POSTS SHALL NOT BE SET IN CONCRETE, OF ANY DEPTH.
8. REFER TO GF(31) STANDARD SHEET FOR ADDITIONAL DETAILS.
9. FLAME CUTTING OF HOLES IN GUARDRAIL SHALL NOT BE PERMITTED. IF YOU ENCOUNTER MIS-ALIGNED BOLT HOLES IN GUARDRAIL CONTACT THE DESIGN DIVISION FOR ADDITIONAL INFORMATION & OPTIONS.

DIRECTION OF TRAFFIC

NOTE: SEE GF(31) STANDARD FOR STANDARD LINE POSTS.

GF(31) - LONG SPAN SYSTEM (PAID FOR BY THE EACH)



ELEVATION DETAIL
LONG SPAN GUARDRAIL

ADDENDUM #2

Texas Department of Transportation

Design Division Standard

METAL BEAM GUARD FENCE
LONG SPAN
TL-3 MASH COMPLIANT

GF(31)LS-19

FILE: gf31ls19.dgn	DN: TxDOT	CK: KM	DW: VP	CK: CGL/AG	
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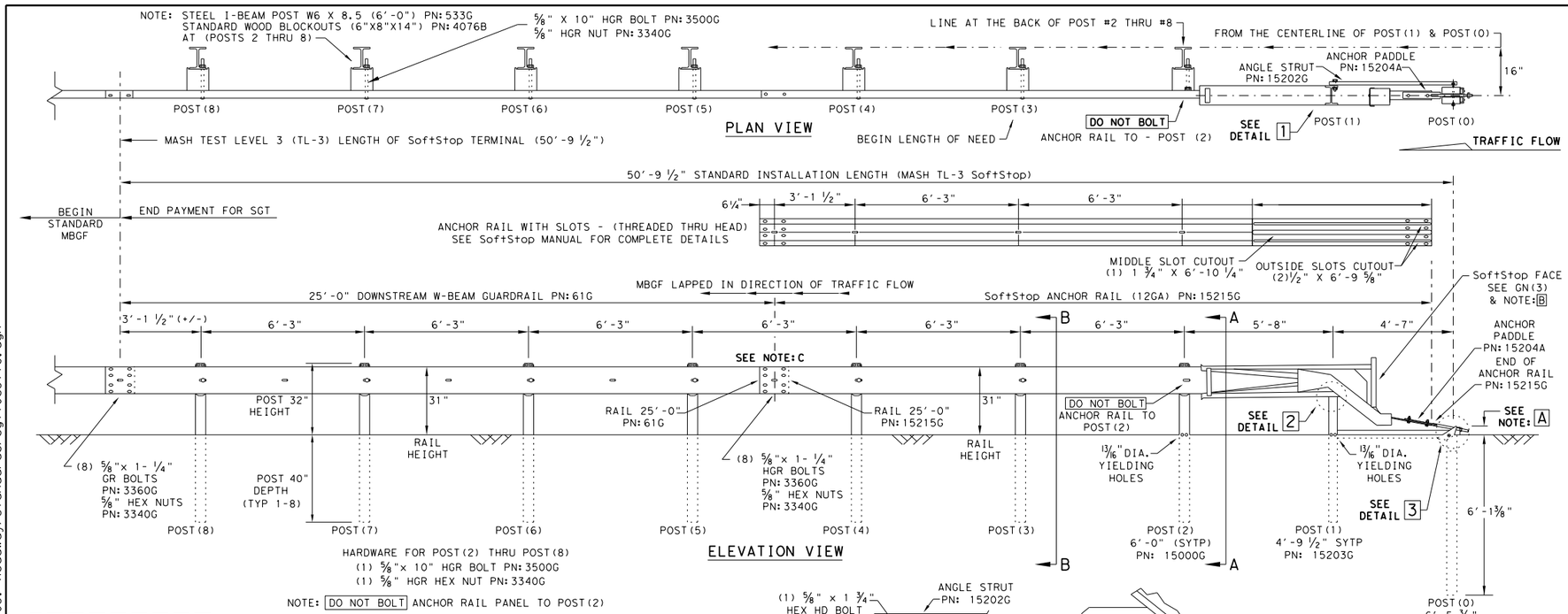


GENERAL NOTES

1. FOR SPECIFIC INFORMATION REGARDING INSTALLATION AND TECHNICAL GUIDANCE OF THE SYSTEM, CONTACT: TRINITY HIGHWAY AT 1(888)323-6374. 2525 N. STEMMONS FREEWAY, DALLAS, TX 75207
2. FOR INSTALLATION, REPAIR AND MAINTENANCE REFER TO THE; SoftStop END TERMINAL, PRODUCT DESCRIPTION ASSEMBLY MANUAL. PN: 620237B
3. APPLY HIGH INTENSITY REFLECTIVE SHEETING, "OBJECT MARKER" ON THE FRONT FACE OF THE DEVICE PER MANUFACTURER'S RECOMMENDATIONS. OBJECT MARKER SHALL CONFORM TO THE STANDARDS REQUIRED IN TEXAS MUTCD.
4. FOR POST (LEAVE-OUT) INSTALLATION AND GUIDANCE SEE TXDOT'S LATEST ROADWAY MOW STRIP STANDARD.
5. HARDWARE (BOLTS, NUTS, & WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445,"GALVANIZING". FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
6. A COMPOSITE MATERIAL BLOCKOUT THAT MEETS THE REQUIREMENTS OF DMS-7210, MAY BE SUBSTITUTED FOR BLOCKOUTS OF SIMILAR DIMENSIONS. SEE CONSTRUCTION DIVISION MATERIAL PRODUCER LIST (MPL) FOR CERTIFIED PRODUCERS.
7. IF SOLID ROCK IS ENCOUNTERED SEE THE MANUFACTURER'S INSTALLATION MANUAL AND REFER TO THE LATEST ROADWAY MBGF STANDARD FOR INSTALLATION GUIDANCE.
8. POSTS SHALL NOT BE SET IN CONCRETE.
9. IT IS ACCEPTABLE TO INSTALL THE SoftStop IMPACT HEAD PARALLEL TO THE GRADE LINE OR WITH AN UPWARD TILT.
10. DO NOT ATTACH THE SoftStop SYSTEM DIRECTLY TO A RIGID BARRIER.
11. UNDER NO CIRCUMSTANCES SHALL THE GUARDRAIL WITHIN THE SoftStop SYSTEM BE CURVED.
12. A FLARE RATE OF UP TO 25:1 MAY BE USED TO PREVENT THE TERMINAL HEAD FROM ENCROACHING ON THE SHOULDER. THE FLARE MAY BE DECREASED OR ELIMINATED FOR SPECIFIC INSTALLATIONS, IF DIRECTED BY THE ENGINEER.

NOTE: A	THE INSTALLATION HEIGHT OF FULLY ASSEMBLED ANCHOR POST WILL VARY FROM 3-3/4" MIN. TO 4" MAX. ABOVE FINISHED GRADE.
NOTE: B	PART PN: 5852B RIGHT-SIDE (HIGH INTENSITY REFLECTIVE SHEETING) PART PN: 5851B LEFT-SIDE (HIGH INTENSITY REFLECTIVE SHEETING)
NOTE: C	W-BEAM SPLICE LOCATED BETWEEN LINE POST(4)AND LINE POST(5) GUARDRAIL PANEL 25'-0" PN: 61G ANCHOR RAIL 25'-0" PN: 15215G LAP GUARDRAIL IN DIRECTION OF TRAFFIC FLOW.

PART	QTY	MAIN SYSTEM COMPONENTS
620237B	1	PRODUCT DESCRIPTION ASSEMBLY MANUAL (LATEST REV.)
15208A	1	SoftStop HEAD (SEE MANUAL FOR RIGHT-LEFT APPROACH)
15215G	1	SoftStop ANCHOR RAIL (12GA) WITH CUTOUT SLOTS
61G	1	SoftStop DOWNSTREAM W-BEAM RAIL (12GA) (25'- 0")
15205A	1	POST #0 - ANCHOR POST (6'- 5 3/8")
15203G	1	POST #1 - (SYTP) (4'- 9 1/2")
15000G	1	POST #2 - (SYTP) (6'- 0")
533G	6	POST #3 THRU #8 - I-BEAM (W6 x 8.5) (6'- 0")
4076B	7	BLOCKOUT - WOOD (ROUTED) (6" x 8" x 14")
6777B	7	BLOCKOUT - COMPOSITE (4" x 7 1/2" x 14")
15204A	1	ANCHOR PADDLE
15207G	1	ANCHOR KEEPER PLATE (24 GA)
15206G	1	ANCHOR PLATE WASHER (1/2" THICK)
15201G	2	ANCHOR POST ANGLE (10" LONG)
15202G	1	ANGLE STRUT
		HARDWARE
4902G	1	1" ROUND WASHER F436
3908G	1	1" HEAVY HEX NUT A563 GR.DH
3717G	2	3/4" x 2 1/2" HEX BOLT A325
3701G	4	3/4" ROUND WASHER F436
3704G	2	3/4" HEAVY HEX NUT A563 GR.DH
3360G	16	5/8" x 1 1/4" W-BEAM RAIL SPLICE BOLTS HGR
3340G	25	5/8" W-BEAM RAIL SPLICE NUTS HGR
3500G	7	5/8" x 10" HGR POST BOLT A307
3391G	1	5/8" x 1 3/4" HEX HD BOLT A325
4489G	1	5/8" x 9" HEX HD BOLT A325
4372G	4	5/8" WASHER F436
105285G	2	5/16" x 2 1/2" HEX HD BOLT GR-5
105286G	1	5/16" x 1 1/2" HEX HD BOLT GR-5
3240G	6	5/16" ROUND WASHER (WIDE)
3245G	3	5/16" HEX NUT A563 GR.DH
5852B	1	HIGH INTENSITY REFLECTIVE SHEETING - SEE NOTE:B

NOTE:
THIS STANDARD IS A BASIC REPRESENTATION OF THE SoftStop END TERMINAL, IT IS NOT INTENDED TO REPLACE THE PRODUCT DESCRIPTION ASSEMBLY MANUAL.

Texas Department of Transportation

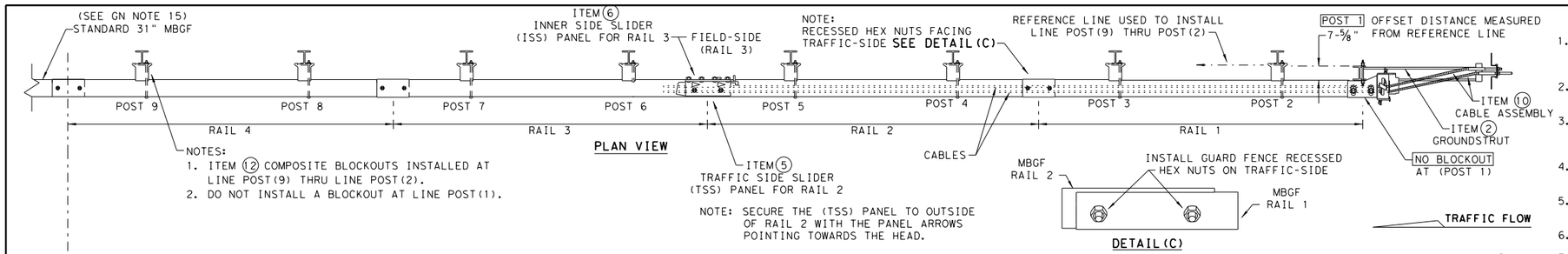
Design Division Standard

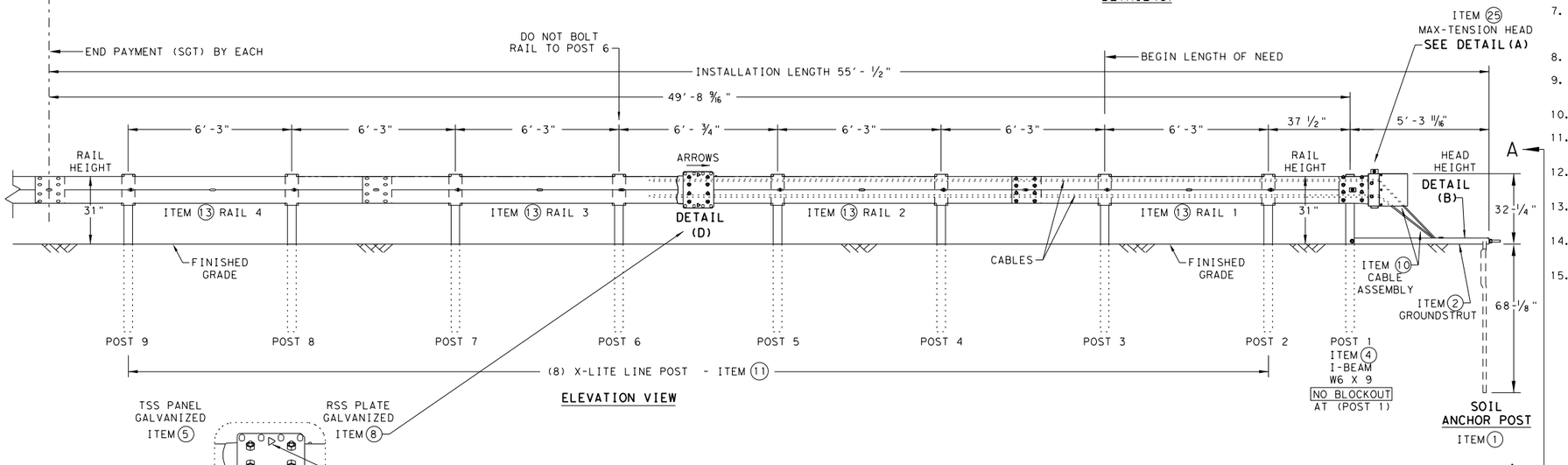
TRINITY HIGHWAY
SOFTSTOP END TERMINAL
MASH - TL-3
SGT(10S)31-16

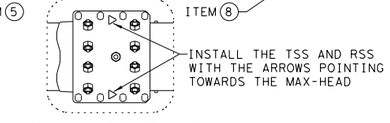
FILE: sgt10s3116	DN: TxDOT	CK: KM	DW: VP	CK: MB/VP
©TxDOT: JULY 2016	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		154

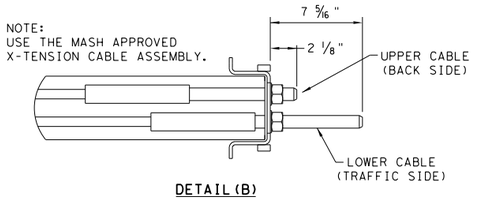
DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

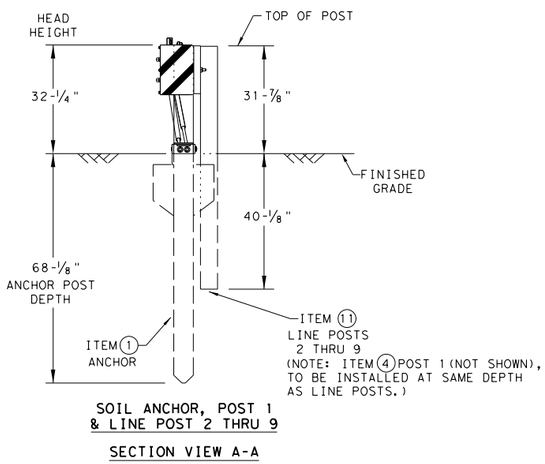
DATE: 11/6/2024
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Design/Plan_Set/03. Roadway/Standards/sgt11s3118.dgn

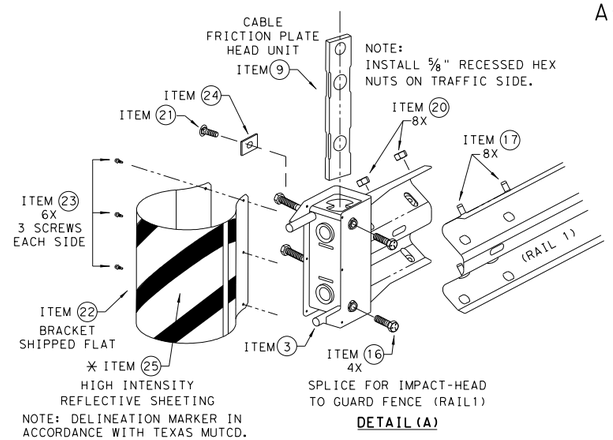












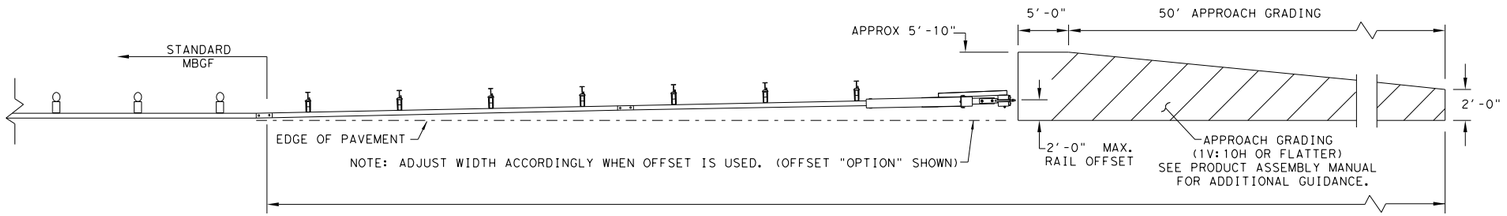
GENERAL NOTES

1. FOR SPECIFIC INFORMATION REGARDING INSTALLATION AND TECHNICAL GUIDANCE OF THE SYSTEM, CONTACT: LINDSAY TRANSPORTATION SOLUTIONS (LTS) - BARRIER SYSTEMS, INC. AT (707) 374-6800
2. FOR INSTALLATION, REPAIR, & MAINTENANCE REFER TO THE; MAX-TENSION INSTALLATION INSTRUCTION MANUAL. P/N MANMAX REV D (ECN 3516).
3. APPLY HIGH INTENSITY REFLECTIVE SHEETING, "OBJECT MARKER" ON THE FRONT FACE OF THE DEVICE PER MANUFACTURE'S RECOMMENDATIONS. OBJECT MARKER SHALL CONFORM TO THE STANDARDS REQUIRED IN TEXAS MUTCD.
4. FOR POST (LEAVE-OUT) INSTALLATION AND GUIDANCE SEE TXDOT'S LATEST ROADWAY MOW STRIP STANDARD.
5. ALL STEEL COMPONENTS ARE GALVANIZED PER ASTM A123 OR EQUIVALENT UNLESS OTHERWISE STATED.
6. SYSTEM SHOWN USING STEEL WIDE FLANGE POST WITH COMPOSITE BLOCKOUTS.
7. COMPOSITE MATERIAL BLOCKOUT THAT MEETS THE REQUIREMENTS OF DMS-7210, MAY BE SUBSTITUTED FOR BLOCKOUTS SIMILAR DIMENSIONS. SEE CONSTRUCTION DIVISION MATERIAL PRODUCER LIST(MPL)FOR CERTIFIED PRODUCERS.
8. REFER TO INSTALLATION MANUAL FOR SPECIFIC PANEL LAPPING GUIDANCE.
9. IF SOLID ROCK IS ENCOUNTERED SEE THE MANUFACTURER'S INSTALLATION MANUAL FOR INSTALLATION GUIDANCE.
10. POSTS SHALL NOT BE SET IN CONCRETE.
11. A DRIVING CAP WITH A TIMBER OR PLASTIC INSERT SHALL BE USED WHEN DRIVING POST TO PREVENT DAMAGE TO THE GALVANIZING ON TOP OF THE POST.
12. MAX-TENSION SYSTEM SHALL NEVER BE INSTALLED WITHIN A CURVED SECTION OF GUARDRAIL.
13. IF A DELINEATION MARKER IS REQUIRED, MARKER SHALL BE IN ACCORDANCE WITH TEXAS MUTCD.
14. THE SYSTEM IS SHOWN WITH 12'-6" MBGF PANELS, 25'-0" MBGF PANELS ARE ALSO ALLOWED.
15. A MINIMUM OF 12'-6" OF 12GA. MBGF IS REQUIRED IMMEDIATELY DOWNSTREAM OF THE MAX-TENSION SYSTEM.

ITEM #	PART NUMBER	DESCRIPTION	QTY
1	BSI-1610060-00	SOIL ANCHOR - GALVANIZED	1
2	BSI-1610061-00	GROUND STRUT - GALVANIZED	1
3	BSI-1610062-00	MAX-TENSION IMPACT HEAD	1
4	BSI-1610063-00	W6x9 I-BEAM POST 6FT.-GALVANIZED	1
5	BSI-1610064-00	TSS PANEL - TRAFFIC SIDE SLIDER	1
6	BSI-1610065-00	ISS PANEL - INNER SIDE SLIDER	1
7	BSI-1610066-00	TOOTH - GEOMET	1
8	BSI-1610067-00	RSS PLATE - REAR SIDE SLIDER	1
9	B061058	CABLE FRICTION PLATE - HEAD UNIT	1
10	BSI-1610069-00	CABLE ASSEMBLY - MASH X-TENSION	2
11	BSI-1012078-00	X-LITE LINE POST-GALVANIZED	8
12	B090534	8" W-BEAM COMPOSITE-BLOCKOUT XT110	8
13	BSI-4004386	12'-6" W-BEAM GUARD FENCE PANELS 12GA.	4
14	BSI-1102027-00	X-LITE SQUARE WASHER	1
15	BSI-2001886	5/8" X 7" THREAD BOLT HH (GR.5)GEOMET	1
16	BSI-2001885	3/4" X 3" ALL-THREAD BOLT HH (GR.5)GEOMET	4
17	4001115	5/8" X 1 1/4" GUARD FENCE BOLTS (GR.2)MGAL	48
18	2001840	5/8" X 10" GUARD FENCE BOLTS MGAL	8
19	2001636	5/8" WASHER F436 STRUCTURAL MGAL	2
20	4001116	5/8" RECESSED GUARD FENCE NUT (GR.2)MGAL	59
21	BSI-2001888	5/8" X 2" ALL THREAD BOLT (GR.5)GEOMET	1
22	BSI-1701063-00	DELINEATION MOUNTING (BRACKET)	1
23	BSI-2001887	1/4" X 3/4" SCREW SD HH 410SS	7
24	4002051	GUARDRAIL WASHER RECT AASHTO FWR03	1
* 25	SEE NOTE BELOW	HIGH INTENSITY REFLECTIVE SHEETING	1
** 26	4002337	8" W-BEAM TIMBER-BLOCKOUT, PDB01B	8
** 27	BSI-4004431	25' W-BEAM GUARDRAIL PANEL,8-SPACE,12GA.	2
28	MANMAX Rev-(D)	MAX-TENSION INSTALLATION INSTRUCTIONS	1

* TO BE PROVIDED BY DISTRIBUTOR OR CONTRACTOR.

** ALTERNATIVE ITEMS NOT SHOWN.
ITEM(26) 8" WOOD-BLOCKOUTS
ITEM(27) 25'GUARD FENCE PANELS



TRAFFIC FLOW

NOTE:
THIS STANDARD IS A BASIC REPRESENTATION OF THE MAX-TENSION END TERMINAL, IT IS NOT INTENDED TO REPLACE THE PRODUCT DESCRIPTION ASSEMBLY MANUAL.

Texas Department of Transportation

Design Division Standard

MAX-TENSION END TERMINAL
MASH - TL-3
SGT(11S)31-18

FILE: sgt11s3118.dgn	DN: TxDOT	CK: KM	DW: TxDOT	CK: CL
© TxDOT: FEBRUARY 2018	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		155

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY TXDOT FOR ANY PURPOSE WHATSOEVER.
TXDOT ASSUMES NO RESPONSIBILITY FOR THE CONVERSIONOF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

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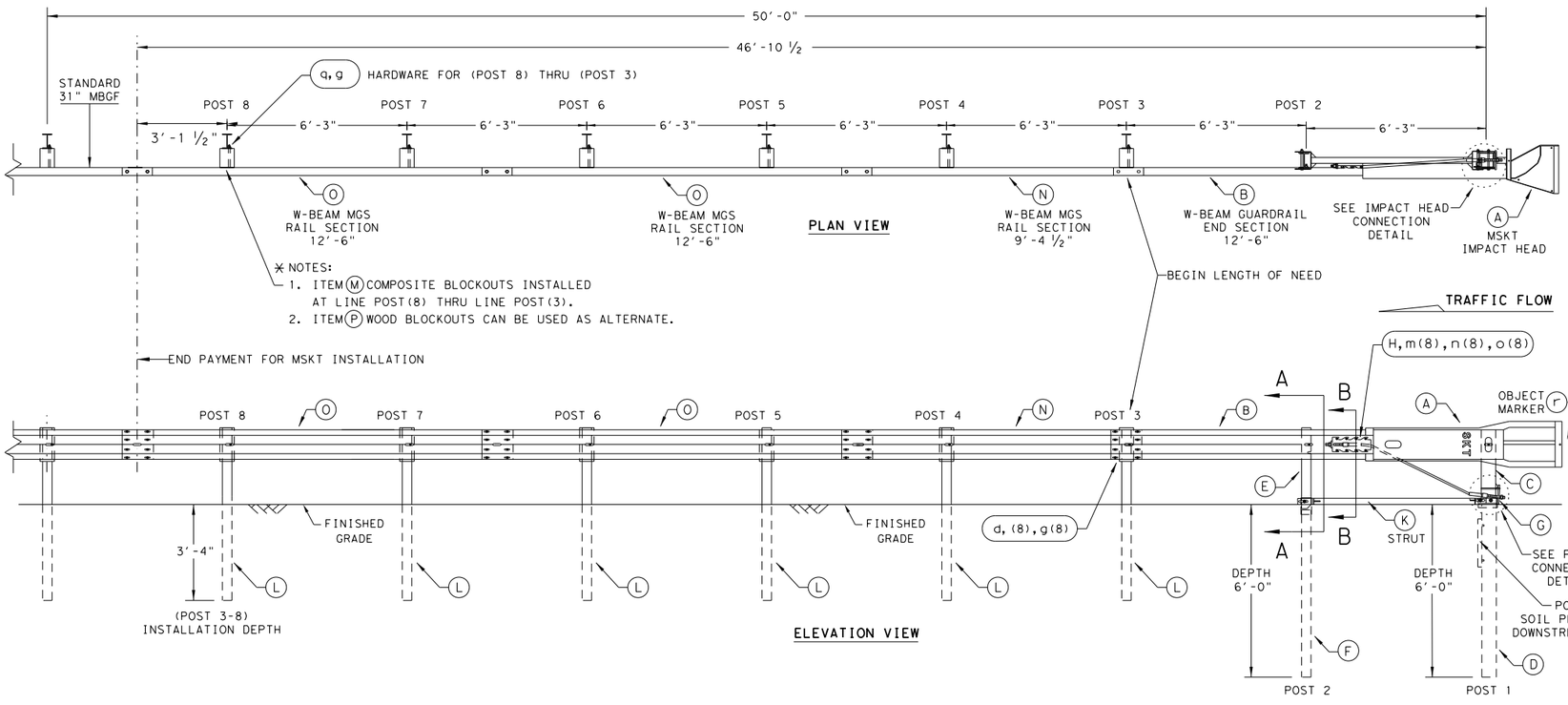


NOTE: SEE (GENERAL NOTE 14) FOR DRIVING CAP INFORMATION.

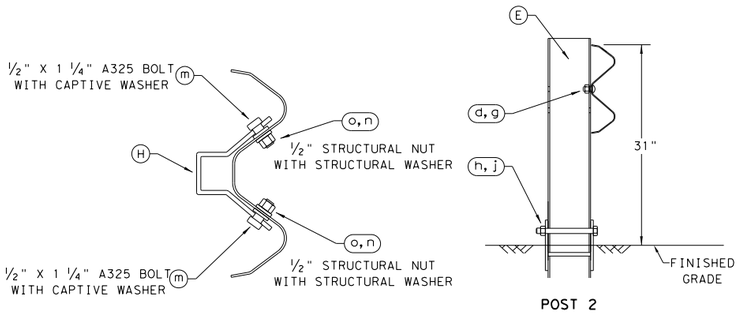
GENERAL NOTES

1. FOR SPECIFIC INFORMATION REGARDING INSTALLATION AND TECHNICAL GUIDANCE OF THE SYSTEM, CONTACT: ROAD SYSTEMS, INC. (432)263-2435. 3616 OLD HOWARD COUNTY AIRPORT, BIG SPRING, TX 79720
2. FOR INSTALLATION, REPAIR AND MAINTENANCE REFER TO THE; MSKT END TERMINAL, PRODUCT DESCRIPTION ASSEMBLY MANUAL (PUBLICATION~062717).
3. APPLY HIGH INTENSITY REFLECTIVE SHEETING, "OBJECT MARKER" ON THE FRONT FACE OF THE DEVICE PER MANUFACTURER'S RECOMMENDATIONS. OBJECT MARKER SHALL CONFORM TO THE STANDARDS REQUIRED IN TEXAS MUTCD.
4. FOR POST (LEAVE-OUT) INSTALLATION AND GUIDANCE SEE TXDOT'S LATEST ROADWAY MOW STRIP STANDARD.
5. HARDWARE (BOLTS, NUTS, & WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING". FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
6. SYSTEM SHOWN USING STEEL WIDE FLANGE POSTS WITH COMPOSITE BLOCKOUTS.
7. A COMPOSITE MATERIAL BLOCKOUTS THAT MEETS THE REQUIREMENTS OF DMS-7210, MAY BE SUBSTITUTED FOR BLOCKOUTS OF SIMILAR DIMENSIONS. SEE CONSTRUCTION DIVISION MATERIAL PRODUCER LIST (MPL) FOR CERTIFIED PRODUCERS.
8. IF SOLID ROCK IS ENCOUNTERED IN THE AREA OF (POST 1) AND / OR (POST 2) CONTACT THE MANUFACTURER, & REFER TO THE LATEST ROADWAY MBGF STANDARD FOR INSTALLATION GUIDANCE.
9. POSTS SHALL NOT BE SET IN CONCRETE.
10. SYSTEM MUST BE ATTACHED TO STANDARD 31" MBGF.
11. UNDER NO CIRCUMSTANCES SHALL THE GUARDRAIL WITHIN THE MSKT SYSTEM BE CURVED.
12. A FLARE RATE OF UP TO 25:1 MAY BE USED TO PREVENT THE TERMINAL HEAD FROM ENCROACHING ON THE SHOULDER. THE FLARE MAY BE DECREASED OR ELIMINATED FOR SPECIFIC INSTALLATIONS, IF DIRECTED BY THE ENGINEER.
13. THE SYSTEM IS SHOWN WITH TWO 12'-6" MBGF PANELS, ONE 25'-0" MBGF PANEL IS ALSO ALLOWED IN THEIR PLACE.
14. A DRIVING CAP WITH A TIMBER OR PLASTIC INSERT SHALL BE USED WHEN DRIVING POSTS 3-8 TO PREVENT DAMAGE TO THE GALVANIZING ON TOP OF THE POST. SPECIAL DRIVING CAP TO BE USED ON LOWER POSTS 1 & 2 TO PREVENT DAMAGE TO THE WELDED PLATES.

SEE NOTES: ✳

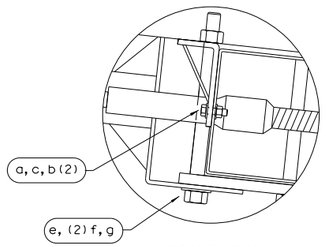
ALTERNATIVE ITEMS NOT SHOWN. ✳✳
✳ ITEM(P) 8" WOOD-BLOCKOUT
✳✳ ITEM(Q) 25'GUARD FENCE PANEL

ITEM	QTY	MAIN SYSTEM COMPONENTS	ITEM NUMBERS
A	1	MSKT IMPACT HEAD	MS3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	SF1303
C	1	POST 1 - TOP (6" X 6" X 1/8" TUBE)	MTPHP1A
D	1	POST 1 - BOTTOM (6' W6X15)	MTPHP1B
E	1	POST 2 - ASSEMBLY TOP	UHP2A
F	1	POST 2 - ASSEMBLY BOTTOM (6' W6X9)	HP2B
G	1	BEARING PLATE	E750
H	1	CABLE ANCHOR BOX	S760
J	1	BCT CABLE ANCHOR ASSEMBLY	E770
K	1	GROUND STRUT	MS785
L	6	W6x9 OR W6x8.5 STEEL POST	P621
M	6	COMPOSITE BLOCKOUTS	CBSP-14
N	1	W-BEAM MGS RAIL SECTION (9'-4 1/2")	G12025
O	2	W-BEAM MGS RAIL SECTION (12'-6")	G1203A
P	6	WOOD BLOCKOUT 6" X 8" X 14"	P675
Q	1	W-BEAM MGS RAIL SECTION (25'-0")	G1209
SMALL HARDWARE			
a	2	5/16" x 1" HEX BOLT (GRD 5)	B5160104A
b	4	5/16" WASHER	W0516
c	2	5/16" HEX NUT	N0516
d	25	5/8" Dia. x 1 1/4" SPLICE BOLT (POST 2)	B580122
e	2	5/8" Dia. x 9" HEX BOLT (GRD A449)	B580904A
f	3	5/8" WASHER	W050
g	33	5/8" Dia. H.G.R NUT	N050
h	1	3/4" Dia. x 8 1/2" HEX BOLT (GRD A449)	B340854A
j	1	3/4" Dia. HEX NUT	N030
k	2	1 ANCHOR CABLE HEX NUT	N100
l	2	1 ANCHOR CABLE WASHER	W100
m	8	1/2" x 1 1/4" A325 BOLT WITH CAPTIVE WASHER	SB12A
n	8	1/2" STRUCTURAL NUTS	N012A
o	8	1 1/16" O.D. x 9/16" I.D. STRUCTURAL WASHERS	W012A
p	1	BEARING PLATE RETAINER TIE	CT-100ST
q	6	5/8" x 10" H.G.R. BOLT	B581002
r	1	OBJECT MARKER 18" X 18"	E3151

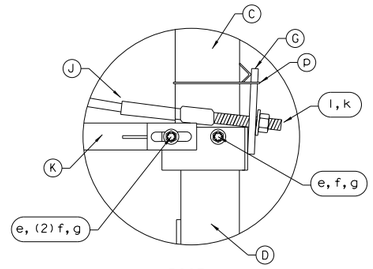


SECTION B-B
ANCHOR BRACKET

POST 2
SECTION A-A



IMPACT HEAD
CONNECTION DETAIL



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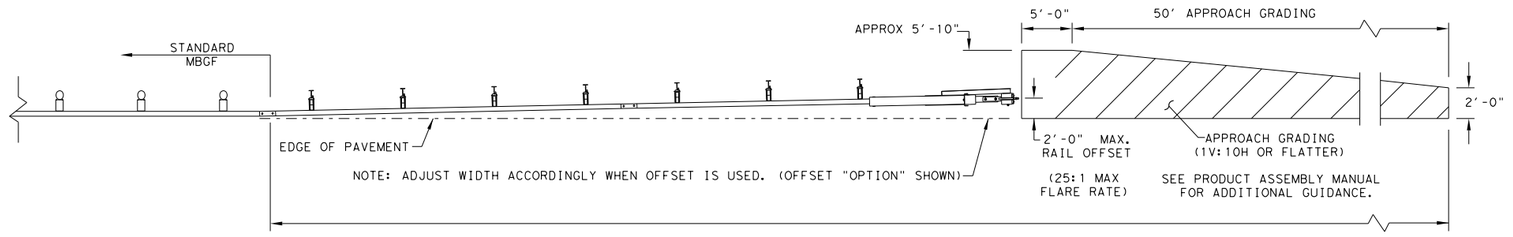
CONNECTION DETAIL



APPROACH GRADING AT GUARDRAIL END TREATMENTS

NOTE: TXDOT GENERIC APPROACH GRADING LAYOUT USED FOR ALL TANGENT TYPE END TREATMENTS.

NOTE: THIS STANDARD IS A BASIC REPRESENTATION OF THE MSKT END TERMINAL, IT IS NOT INTENDED TO REPLACE THE PRODUCT DESCRIPTION ASSEMBLY MANUAL.

Texas Department of Transportation

Design Division Standard

SINGLE GUARDRAIL TERMINAL
MSKT-MASH-TL-3
SGT(12S)31-18

FILE: sgt12s3118.dgn	DN:TxDOT	CK:KM	DW:VP	CK:CL		
© TxDOT: APRIL 2018	CONT	SECT	JOB		HIGHWAY	
REVISIONS					CR 255	
	DIST	COUNTY			SHEET NO.	
	AUS	WILLIAMSON			156	

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DATE: 11/6/2024
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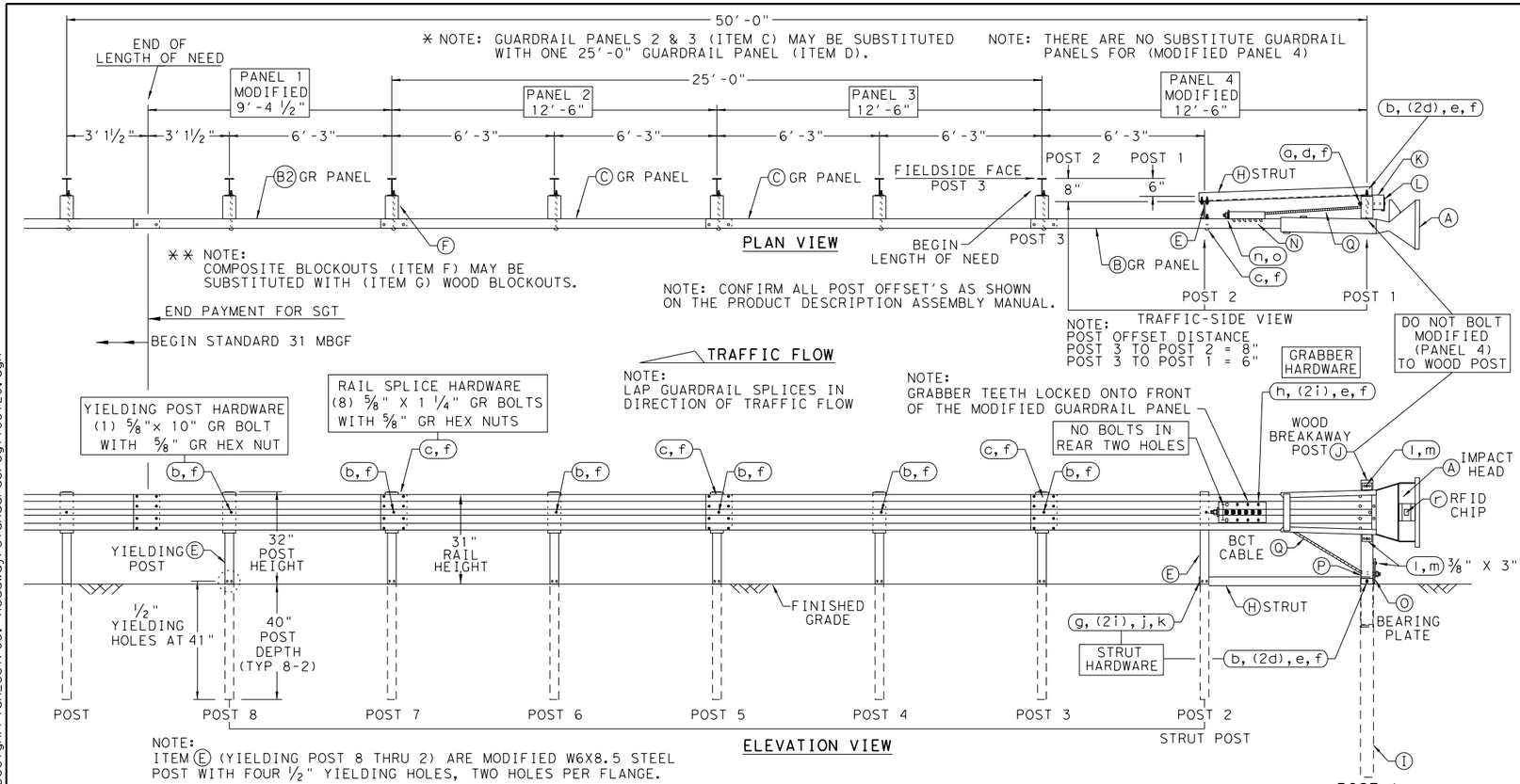
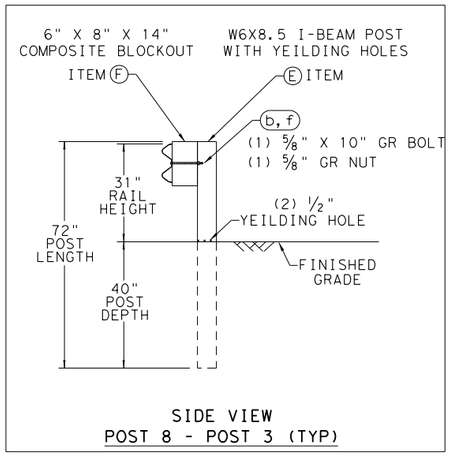


GENERAL NOTES

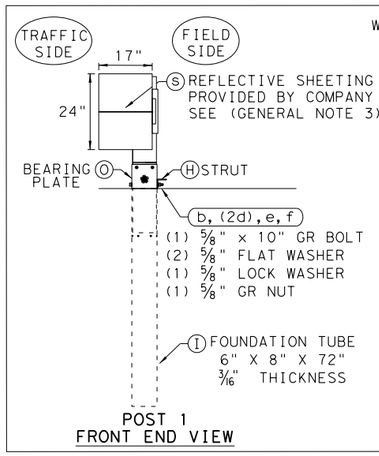
1. FOR SPECIFIC INFORMATION REGARDING INSTALLATION AND TECHNICAL GUIDANCE OF THE SYSTEM, CONTACT: SPIG INDUSTRY, INC. AT 1(267) 644-9510. 14675 INDUSTRIAL PARK RD; BRISTOL, VA 24202
2. FOR INSTALLATION, REPAIR AND MAINTENANCE REFER TO THE MANUFACTURER'S; SGET END TERMINAL, PRODUCT DESCRIPTION ASSEMBLY MANUAL.
3. MANUFACTURER WILL APPLY HIGH INTENSITY REFLECTIVE SHEETING, "OBJECT MARKER" TO THE FACE PLATE OF THE DEVICE PER MANUFACTURER'S RECOMMENDATIONS. THE OBJECT MARKER SHALL CONFORM TO THE STANDARDS REQUIRED IN TEXAS MUTCD.
4. THE NOMINAL HEIGHT OF THE GUARDRAIL BEAM IS 31 INCHES WITH A TOLERANCE OF +/- ONE INCH.
5. FOR POST (LEAVE-OUT) INSTALLATION AND GUIDANCE SEE TXDOT'S LATEST ROADWAY MOW STRIP STANDARD.
6. (POST 2 THROUGH POST 8) ARE MODIFIED STEEL-YIELDING POSTS WITH YIELDING HOLES AT GROUND LEVEL. THERE ARE NO SUBSTITUTE POSTS.
7. POSTS SHALL NOT BE SET IN CONCRETE.
8. IF SOLID ROCK IS ENCOUNTERED FOR ANY OF THE POSTS IN THE SYSTEM, CONTACT THE MANUFACTURER FOR SPECIFIC INSTALLATION GUIDANCE.
9. HARDWARE (BOLTS, NUTS, & WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445,"GALVANIZING". FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM.
10. A COMPOSITE MATERIAL BLOCKOUT THAT MEETS DMS-7210 REQUIREMENTS MAY BE SUBSTITUTED FOR AN APPROVED WOOD BLOCKOUT. SEE CONSTRUCTION DIVISION MATERIAL PRODUCER LIST (MPL) FOR CERTIFIED PRODUCERS.
11. THE ENTIRE SYSTEM MUST BE INSTALLED IN A STRAIGHT LINE WITHOUT ANY CURVE. HOWEVER, THE SYSTEM CAN BE OFFSET BY TWO FEET AS SHOWN ON THE APPROACH GRADING DETAIL TO HELP OFF-SET THE IMPACT HEAD FROM SHOULDER OF THE ROAD.

ITEM	QTY	MAIN SYSTEM COMPONENTS	ITEM #
A	1	SGET IMPACT HEAD	SIH1A
B	1	MODIFIED GUARDRAIL PANEL 12'-6" 12GA	126SPZGP
B2	1	MODIFIED GUARDRAIL PANEL 9'-4 1/2" 12GA	GP94
C	2	STANDARD GUARDRAIL PANEL 12'-6" 12GA	GP126
D	1	STANDARD GUARDRAIL PANEL 25'-0" 12GA	GP25
E	7	MODIFIED YIELDING I-BEAM POST W6x8.5	YP6MOD
F	6	COMPOSITE BLOCKOUT 6" X 8" X 14"	CBO8
G	6	WOOD BLOCKOUT 6" X 8" X 14"	WBO8
H	1	STRUT 3" X 3" X 80" x 1/4" A36 ANGLE	STR80
I	1	FOUNDATION TUBE 6" X 8" X 72" x 3/16"	FNDT6
J	1	WOOD BREAKAWAY POST 5 1/2" x 7 1/2" x 50"	WBRK50
K	1	WOOD STRIKE BLOCK	WSBLK14
L	1	STRIKE PLATE 1/4" A36 BENT PLATE	SPLT8
M	1	REINFORCEMENT PLATE 12 GA. GR55	REPLT17
N	1	GUARDRAIL GRABBER 2 1/2" X 2 1/2" X 16 1/2"	GGR17
O	1	BEARING PLATE 8" X 8 5/8" X 5/8" A36	BPLT8
P	1	PIPE SLEEVE 4 1/4" X 2 3/8" O.D. (2 1/8" I.D.)	PSLV4
Q	1	BCT CABLE 3/4" X 81" LENGTH	CBL81
		SMALL HARDWARE	
a	1	5/8" X 12" GUARDRAIL BOLT 307A HDG	12GRBLT
b	7	5/8" X 10" GUARDRAIL BOLT 307A HDG	10GRBLT
c	33	5/8" X 1 1/4" GR SPLICE BOLTS 307A HDG	1GRBLT
d	3	5/8" FLAT WASHER F436 A325 HDG	58FW436
e	1	5/8" LOCK WASHER HDG	58LW
f	39	5/8" GUARDRAIL HEX NUT HDG	58HN563
g	2	1/2" X 2" STRUT BOLT A325 HDG	2BLT
h	6	1/2" X 1 1/4" PLATE BOLT A325 HDG	125BLT
i	16	1/2" FLAT WASHER F436 A325 HDG	12FWF436
j	8	1/2" LOCK WASHER HDG	12LW
k	8	1/2" HEX NUT A563 HDG	12HN563
l	4	3/8" X 3" HEX LAG SCREW GR5 HDG	38LS
m	4	3/8" FLAT WASHER F436 A325 HDG	38FW844
n	2	1" FLAT WASHER F436 A325 HDG	1FWF436
o	2	1" HEX NUT A563DH HDG	1HN563
p	1	18" TO 24" LONG ZIP TIE RATED 175-200LB	ZPT18
q	1	1 1/2" X 4" SCH-40 PVC PIPE	PSPCR4
r	1	RFID CHIP RATED MIL-STD-810F	RFID810F
s	1	IMPACT HEAD REFLECTIVE SHEETING	RS30M

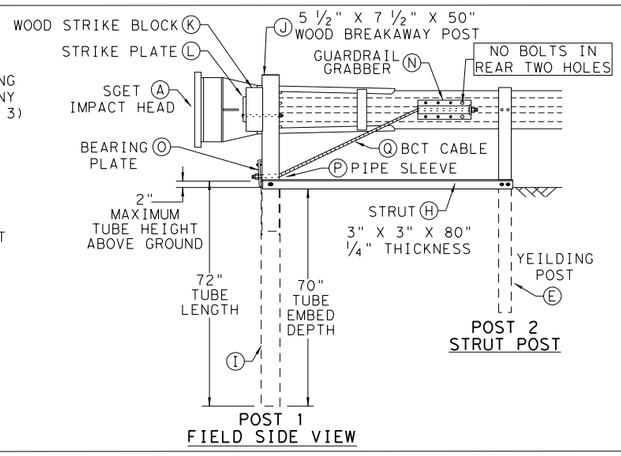
ALTERNATIVE ITEMS * D E
NOTE: SEE PLAN VIEW ** F G



SIDE VIEW
POST 8 - POST 3 (TYP)

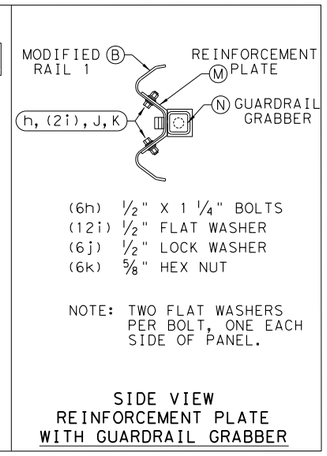


POST 1
FRONT END VIEW

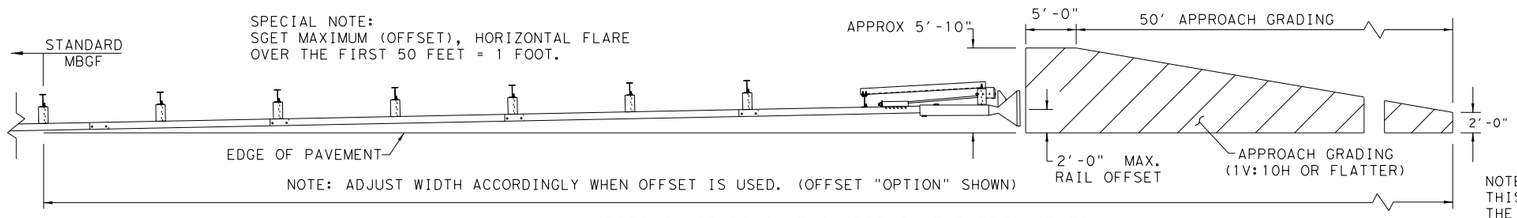


POST 1
FIELD SIDE VIEW

POST 2
STRUT POST



SIDE VIEW
REINFORCEMENT PLATE
WITH GUARDRAIL GRABBER



APPROACH GRADING AT GUARDRAIL END TREATMENTS

NOTE:
THIS STANDARD IS A BASIC REPRESENTATION OF THE SGET TERMINAL SYSTEM AND IS NOT INTENDED TO REPLACE THE MANUFACTURER'S ASSEMBLY MANUAL.

Texas Department of Transportation

Design Division Standard

SPIG INDUSTRY, LLC
SINGLE GUARDRAIL TERMINAL
SGET - TL-3 - MASH
SGT(15)31-20

FILE: sgt153120.dgn	DN: TxDOT	CK: KM	DW: VP	CK: VP		
©TxDOT: APRIL 2020	CONT	SECT	JOB	HIGHWAY		
REVISIONS				CR 255		
	DIST	COUNTY		SHEET NO.		
	AUS	WILLIAMSON		157		

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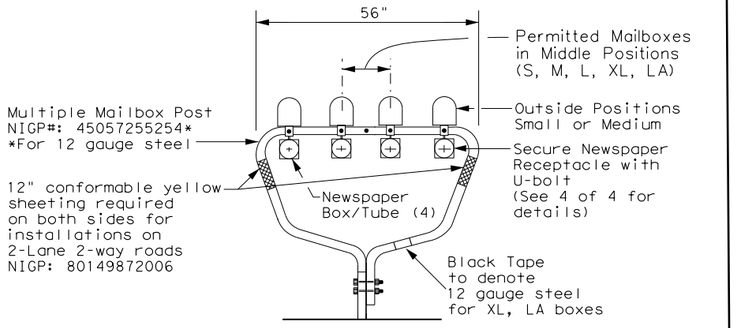
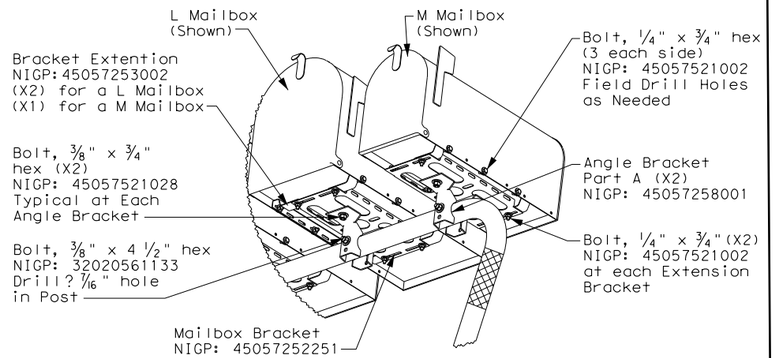
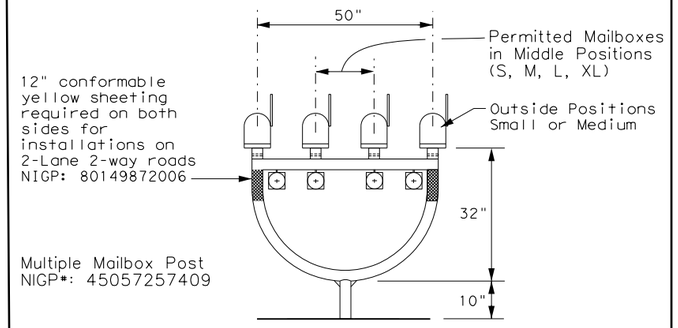
DATE: 11/6/2024
FILE: dw://server.sig-eng.com:Sig-ds/Documents/WILCO302_CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/Standards/mb-21(1).dgn

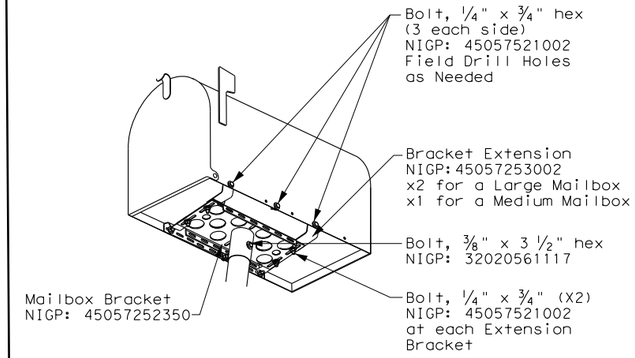
TYPE 1 - MULTIPLE





TYPE 4 - MULTIPLE





MAILBOX SIZES

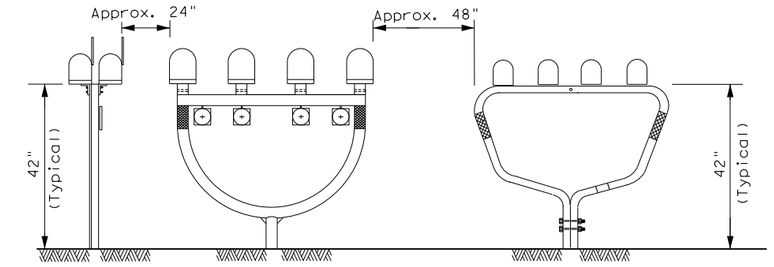
MAILBOX SIZE	TYPICAL DIMENSIONS			MAX **
	LENGTH	WIDTH	HEIGHT	WEIGHT
SMALL	19 1/2"	6"	7"	6 LBS
MEDIUM	22 1/2" *	8" *	11 1/2" *	8 LBS
LARGE	23 1/2"	11 1/2"	13 1/2"	11 LBS
EXTRA LARGE	18"	14"	12"	13 LBS
LOCKABLE	18"	11 1/2"	15"	23 LBS

* See Note 1.
** Excluding Molded Plastic on 4 X 4 Post

GENERAL NOTES:

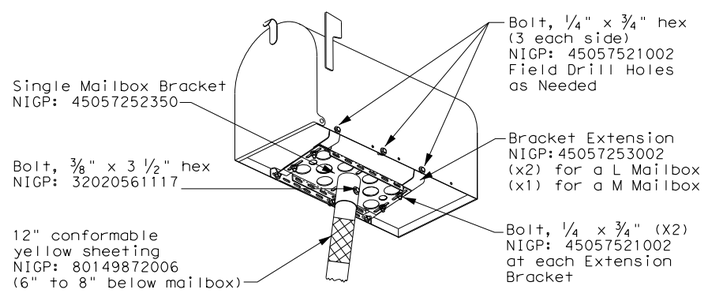
1. Dimensions shown (length, width, and height) are typical, not maximums. However, anytime a medium size mailbox is mounted on a single/double mount or on the outside position on a multi mount, the dimensions shown are maximums.
2. Mailboxes shall be made of light weight sheet metal or light weight plastic. Heavy steel, cast iron or decorative mailboxes shall not be used on the state highway system.

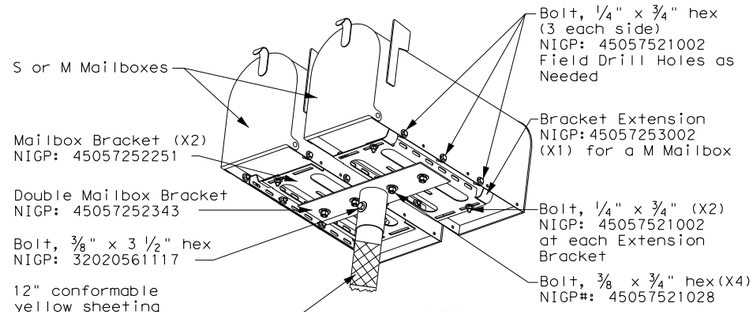
TYPICAL INSTALLATION MEASUREMENTS



NOTE:
Mailbox installations in sidewalk areas shall be in accordance with the latest TxDOT Design Standard sheets PED-Pedestrian Facilities Curb Ramps.

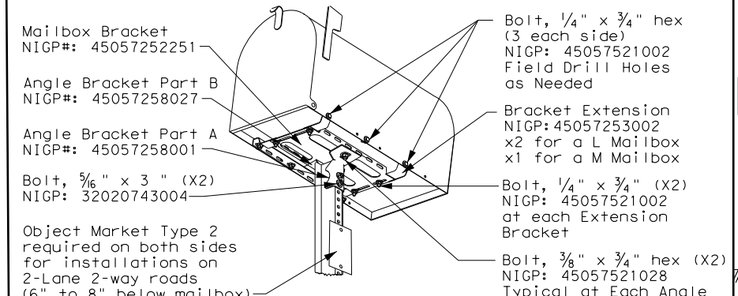
TYPE 2 and 4 - SINGLE/DOUBLE

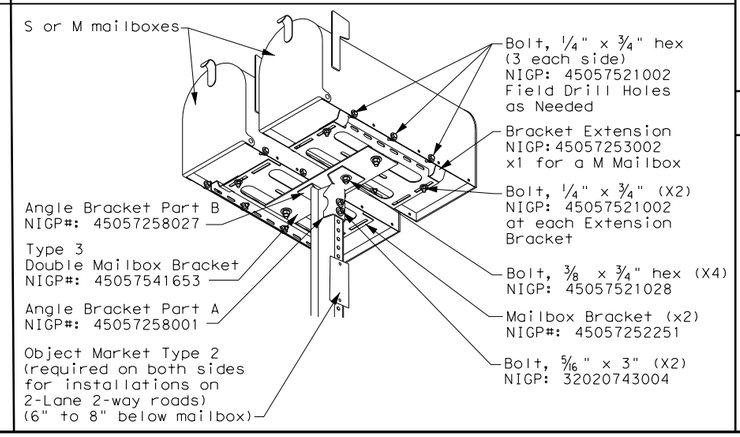




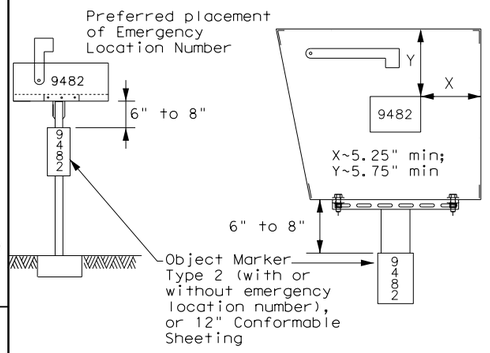
NOTE:
Double mailbox mounts are not allowed with a type 4 multiple mailbox installation

TYPE 3 - SINGLE/DOUBLE





PLACEMENT OF EMERGENCY LOCATION NUMBER

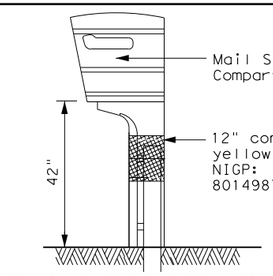


NOTES:

1. Location numbers are provided by homeowner. Minimum size 1" height.
2. Location number is typically placed on the mailbox in a contrasting color.
3. Black numbers may be placed on the Type 2 object marker if the numbers cannot be placed on the mailbox.
4. Alternatively, a green or blue plate with white numbers attached may be mounted below the object marker. Other contrasting color configuration, as approved, may be used.
5. See 3 of 4 for Foundation details.
6. See 4 of 4 for Hardware details.

SHEET 1 OF 4

TYPE 5



Typical Molded Plastic Mailbox

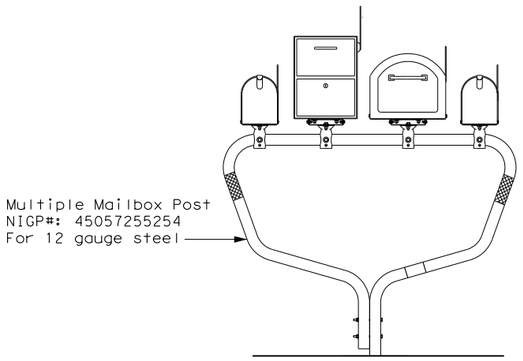
Texas Department of Transportation
Maintenance Division Standard

MAILBOX MOUNTING AND ASSEMBLY

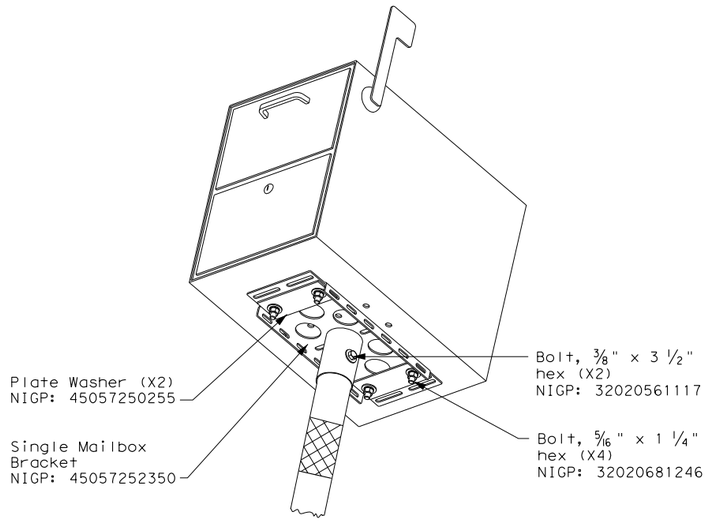
MB(1)-21

FILE: MB-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT March 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS 2/2005 11/2009 4/2015 6/2005 1/2011 11/2006 7/2014				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		158

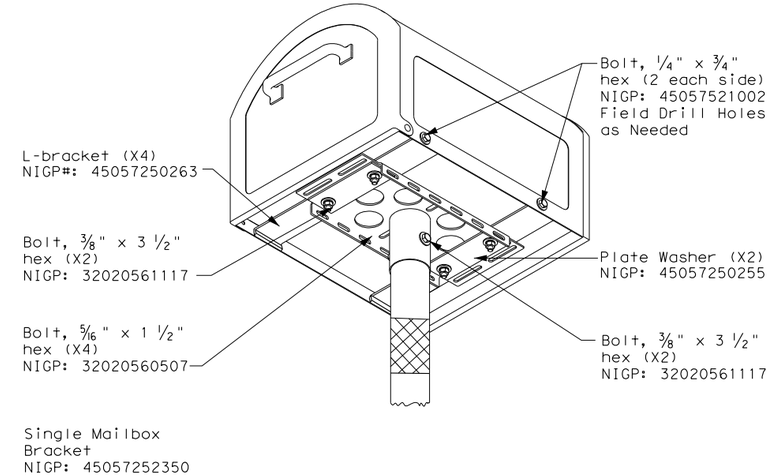
TYPE I- MULTI LOCKABLE AND XL MAILBOX



TYPE 2/4 - SINGLE LOCKABLE MAILBOX



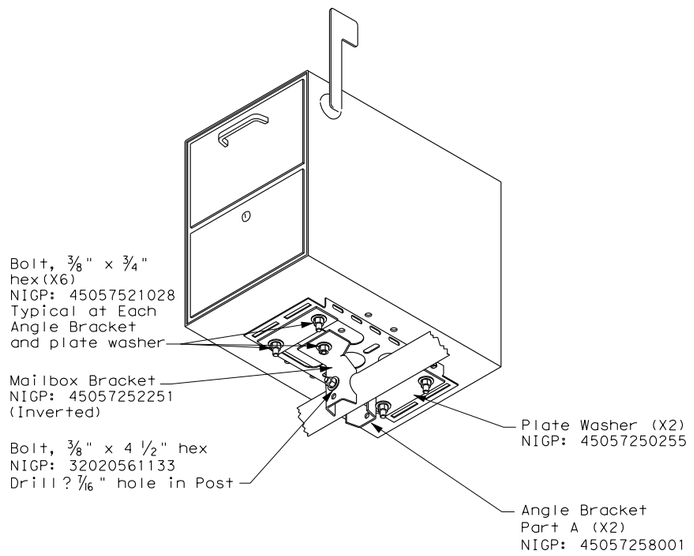
TYPE 2/4 - SINGLE XL MAILBOX



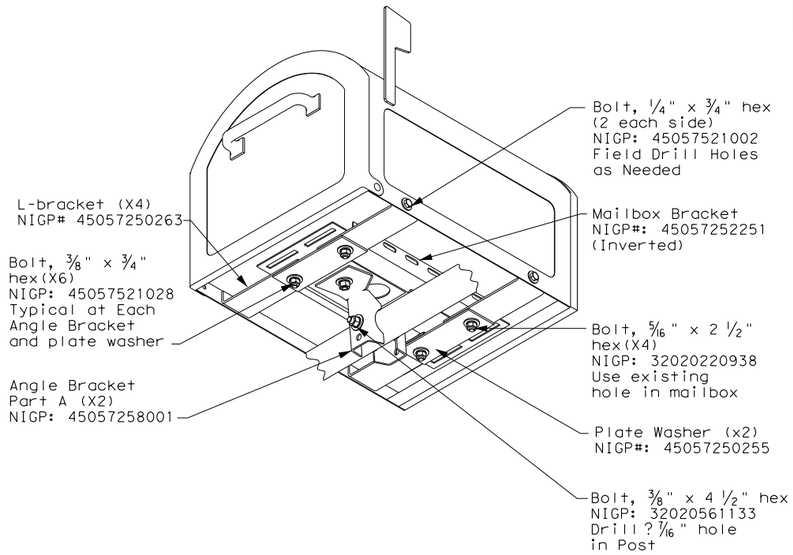
NOTE:

Follow same configuration when mounting an XL mailbox on a Type 4 multi post.

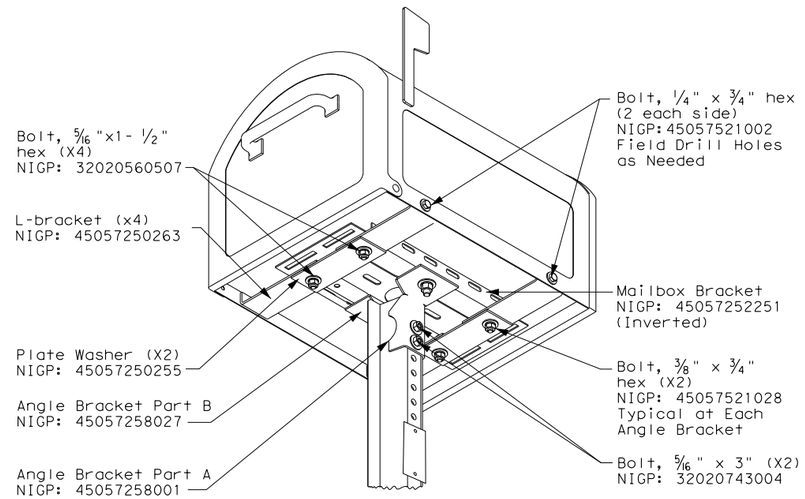
TYPE 1 MULTI - LOCKABLE ARCHITECTURAL (LA)



TYPE 1 MULTI - XL MAILBOX



TYPE 3 - XL MAILBOX MOUNTING



SHEET 2 OF 4

Texas Department of Transportation | Maintenance Division Standard

XL AND LOCKABLE ARCHITECTURAL MAILBOX ASSEMBLY

MB(2)-21

FILE: MB-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT March 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS 2/2005 11/2009 4/2015 6/2005 1/2011 11/2006 7/2014				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		159

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DATE:1/6/2024
255*CR255/Design*Data/4 - Design/Plan*Set/03. Roadway/Standards/mb-21(2).dgn

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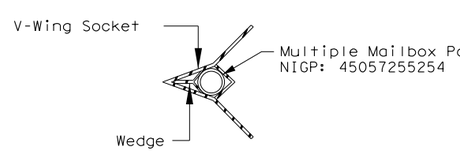
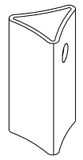
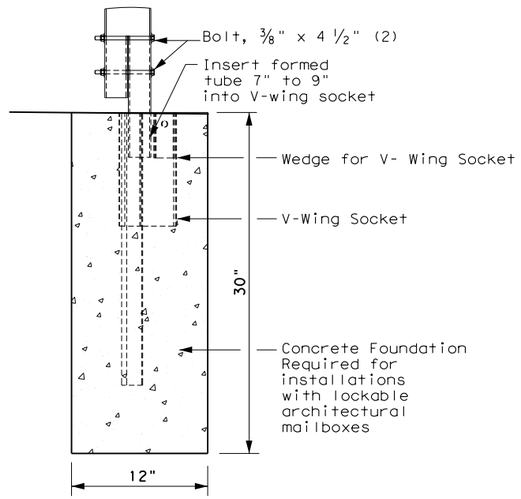
DATE: 11/6/2024 2:10
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/Standards/mb-21(3).dgn

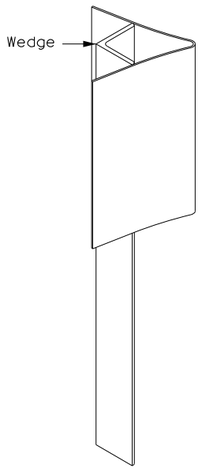
TYPE 1 - SUPPORT/FOUNDATION

Thin Wall Tube w/ V-LOC Anchorage

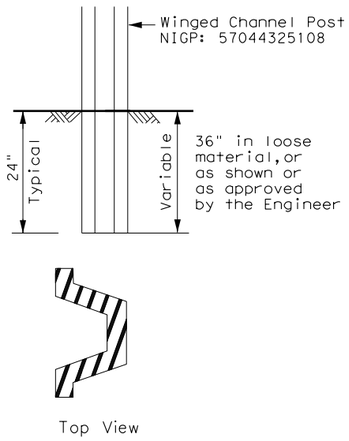








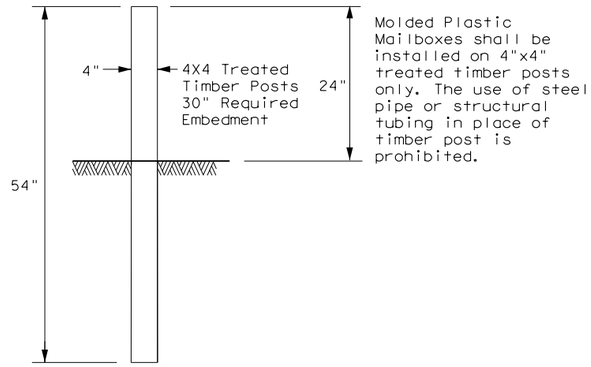
TYPE 3 - SUPPORT/FOUNDATION



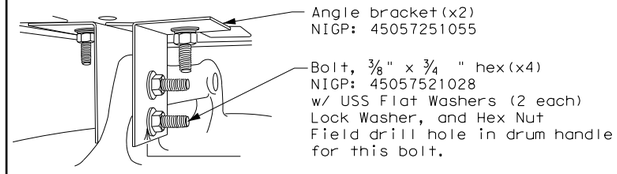
NOTES:

1. Attach Object Marker(OM) facing direction of traffic.
2. OM will also be required on opposite side if installed on a 2-Lane, 2-Way roadway.

TYPE 5 - SUPPORT/FOUNDATION



TYPE 6 - TEMPORARY MAILBOX SUPPORT



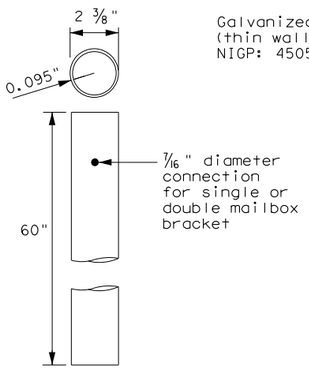
Plastic Drum NIGP: 55093383655
Rubber Collar NIGP: 55093387102

NOTES:

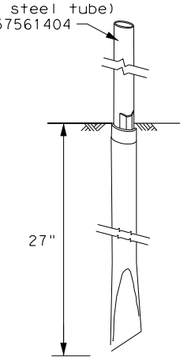
1. Place on approved plastic drum as shown in the Compliant Work Zone Traffic Control Devices (CWZTCD).
2. Existing attachment hardware shall be used unless damaged. Damaged hardware shall be replaced.

TYPE 2 - SUPPORT/FOUNDATION

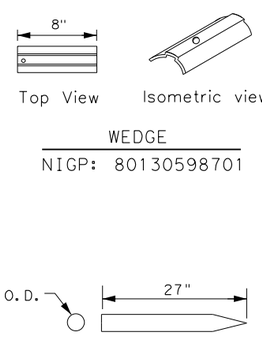
Thin Wall Steel Tube w/Wedge Anchor System



MAILBOX POST



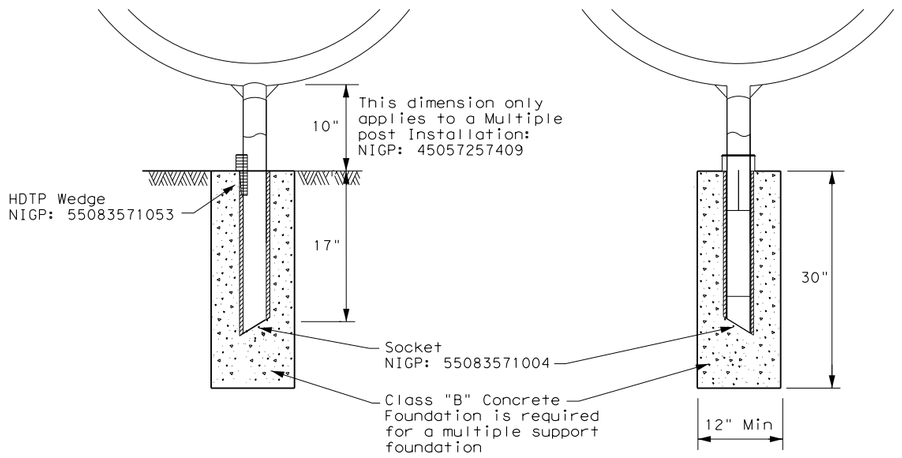
WEDGE ANCHOR
NIGP: 80130238407



WEDGE
NIGP: 80130598701

TYPE 4 - SUPPORT/FOUNDATION

Whitecoated steel post NIGP: 45057561107
Multiple post NIGP: 45057257409
Recycled Rubber post (RR) NIGP: 45057561057



GENERAL NOTES:

1. Erect post plumb or vertical.
2. When galvanized part is required galvanize in accordance with Item 445.
3. Use a concrete footing as shown or when directed. Concrete footing will be required when soils do not hold the support/foundations in a stable condition, only on Type 1, Type 2, and Type 4

Texas Department of Transportation

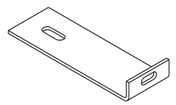
Maintenance Division Standard

MAILBOX SUPPORT AND FOUNDATION

MB(3)-21

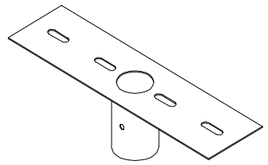
FILE: MB-21.dgn	DN:	CK:	DW:	CK:
©TxDOT March 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS 2/2005 11/2009 4/2015 6/2005 1/2011 11/2006 7/2014				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		160

TYPE	TYPE 1	TYPE 2	TYPE 3	TYPE 4			TYPE 5	TYPE 6
Configuration	Multiple	Single or Double	Single or Double	Single	Double	Multiple	Single	Single
Mailbox Size NIGP •	Outside Position: S or M Inside Position: S, M, L, XL, or LA	Single: S, M, L, XL, or LA Double: SS, SM, MM	Single: S, M, L, or XL Double: SS, SM, MM	S, M, L, XL, or LA	SS, SM, or MM	Outside Position: S or M Inside Position: S, M, L, or XL	Molded Plastic	S, or M
Mailbox Post NIGP •	45057255254 (Galvanized Multiple)	45057561404 (Thin Walled Gavanize)	57044325108 (Wing Channel Post)	45057561107 (Thin walled white powder coated) 45057561057 (Recycled Rubber Post: S or M only)	45057561107 (Thin Walled White Powder Coated)	45057257409 (White Powder Coated Multiple)	4x4 Timber	Construction Barrel
Post and Mailbox Hardware NIGP •	45057259009 (Wedge) 45057256500 (V-Wing Socket) 45057253002 (Bracket Extension) 45057252251 (Mailbox Bracket) 45057258001 (Part A Angle Bracket x2) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)	80130598701 (Wedge) 80130238407 (Wedge Anchor) 45057253002 (Bracket Extension) 45057252343 (Double MB Bracket) 45057252350 (S. Mailbox Bracket) 45057252251 (Mailbox Bracket) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket forXL x4)	45057541653 (Type 3 Double Mailbox Bracket) 45057252251 (Mailbox Bracket) 45057253002 (Bracket Extension) 45057258001 (Part A Angle Bracket) 45057258027 (Part B Angle Bracket) 45057250255 (Plate Washer for XL x2) 45057250263 (L-Bracket for XL x4)	55083571053 (Wedge) 55083571004 (Socket) 45057252350 (Single Mailbox Bracket) 45057253002 (Bracket Extension) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)	55083571053 (Wedge) 55083571004 (Socket) 45057253002 (Bracket Extension) 45057252343 (Double Mount Bracket) 45057252251 (Mailbox Bracket x2)	55083571053 (Wedge) 55083571004 (Socket) 45057253002 (Bracket Extension) 45057252350 (Single Mount Bracket) 45057250255 (Plate Washer for XL x2) 45057250263 (L-Bracket for XL x4)	None	45057251055 Angle Bracket (x2)
Foundation Used	Class B Concrete (Required for LA Mailboxes)	Class B Concrete (Required for LA Mailboxes)	None	Class B Concrete (not used with recycled rubber post, required for LA Mailboxes)	Class B Concrete (not required)	Class B Concrete	None	None



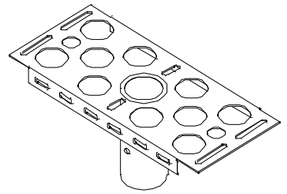
NIGP: 45057250263

L-Bracket x4 for
XL sized mailboxes



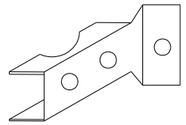
NIGP: 45057252343

Double Mailbox Bracket
For Type 2 and Type 4
double mount



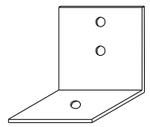
NIGP: 45057252350

Single Mailbox Bracket
For Type 2 single and for
Type 4 single and multi mount



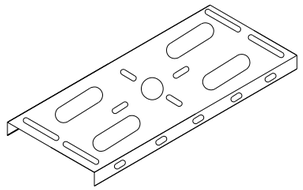
NIGP: 45057258001

Part "A" Angle Bracket
For Type 1 multi (2 per mailbox)
and Type 3 single and double



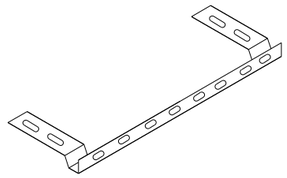
NIGP: 45057251055

Type 6 Angle Bracket
(2 per mailbox)



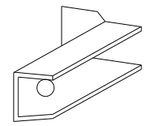
NIGP: 45057252251

Mailbox Bracket
For Type 1 multi and
any double mount (use 2)



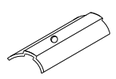
NIGP: 45057253002

Bracket Extension
Use 1 for a medium Mailbox
Use 2 for a Large Mailbox



NIGP: 45057258027

Part "B" Angle Bracket
For Type 3 single
and double



NIGP: 80130598701

Wedge for Type 2



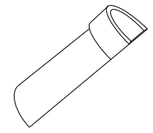
NIGP: 45057250255

Plate Washer for Architecural
and XL Mailboxes



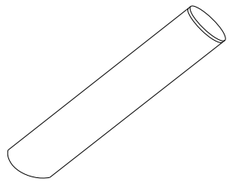
NIGP: 45057541653

Type 3 double mailbox bracket



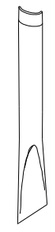
NIGP: 55083571053

Type 4 Mailbox Wedge



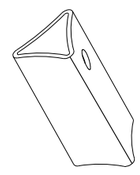
NIGP: 55083571004

Type 4 Mailbox Socket



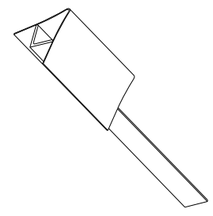
NIGP: 80130238407

Type 2 Wedge Anchor



NIGP: 45057259009

Wedge for Type 1 V-wing Socket



NIGP: 45057256500

V-wing Socket for
Type 1 Foundation

NIGP •	OBJECT MARKERS AND CONFORMABLE SHEETING
55008311759	Type 2 OM 4"x4" (3 Needed) for Type 3 Wing Channel Post
55008312906	Type 2 OM 6"x12" (1 needed) for Type 3 Wing Channel Post
80149872006	12" Conformable Reflective Yellow Sheeting for Flexible Posts

NOTES:

1. Type 2 object marker in accordance with Traffic Engineering Standard Delineators & Object Markers.
2. A light weight receptacle for newspaper delivery can be attached to mailbox posts if the receptacle does not touch the mailbox, present a hazard to traffic or delivery of the mail, extend beyond the front of the mailbox, or display advertising, except the publication title.

BID CODES FOR CONTRACTS

MB-(X) ASSM TY (XXX) (X)

Type of Mailbox
- S = Single
- D = Double
- M = Multiple
- MP = Molded Plastic

Type of Post
- WC = Winged Channel Post
- RR = Recycled Rubber
- TWW = Thin Walled White Tubing
- TWG = Thin Walled Galvanized Tubing
- TIM = Timber

Type of Foundation
- Ty 1 = V-Loc
- Ty 2 = Wedge Anchor Steel System
- Ty 3 = Winged Channel post
- Ty 4 = Wedge Anchor Plastic System
- Ty 5 = 4 X 4 Post

Texas Department of Transportation — Maintenance Division Standard

NIGP PARTS LIST AND COMPATIBILITY

MB(4)-21

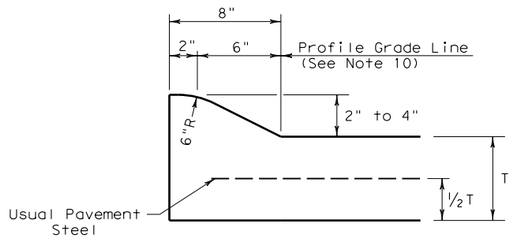
FILE: MB-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT March 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
2/2005 11/2009 4/2015 6/2005 1/2011 11/2006 7/2014	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		161

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

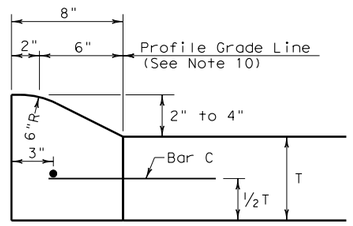
DATE: 11/6/2024 2:10
FILE: pw://Server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/03. Roadway/Standards/mb-21(4).dgn

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:



TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



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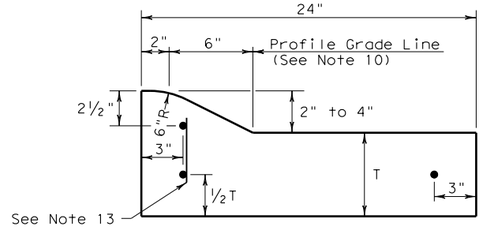
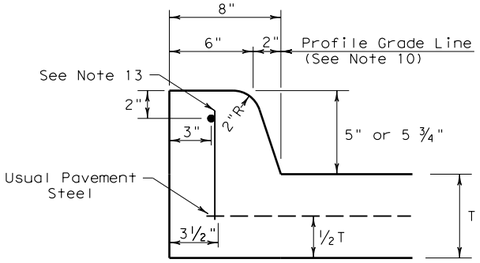
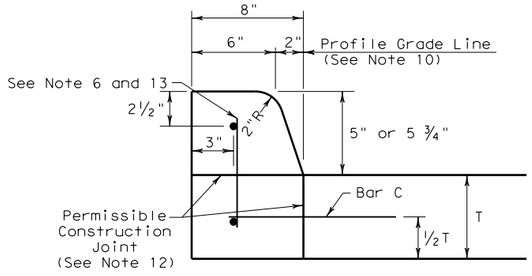
2" - 4" HEIGHT



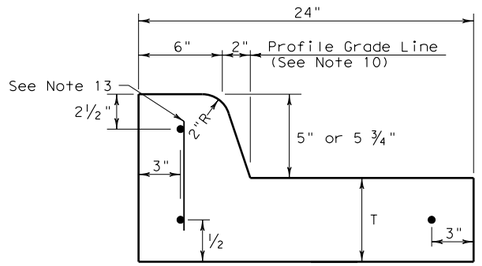
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



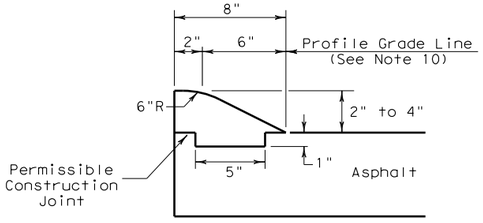
TYPE II CURB (MONOLITHIC)
5" - 5 ¾" HEIGHT



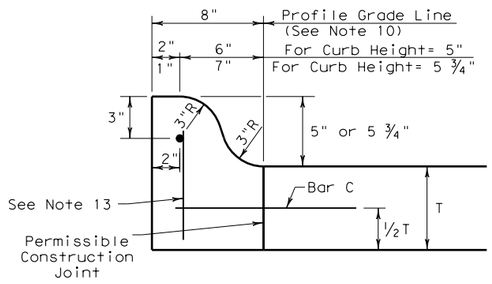
TYPE II CURB
5" - 5 ¾" HEIGHT



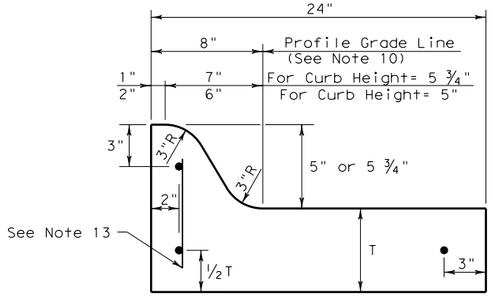
TYPE II CURB AND GUTTER
5" - 5 ¾" HEIGHT



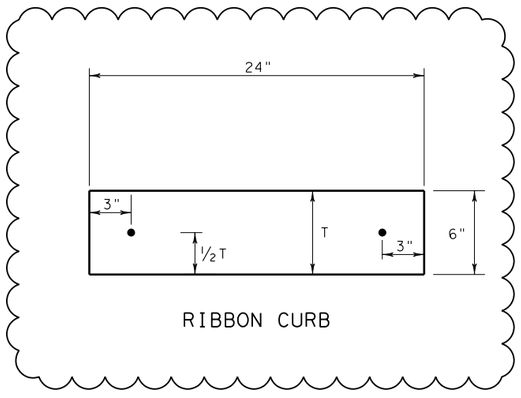
TYPE III CURB (KEYED)
2" - 4" HEIGHT



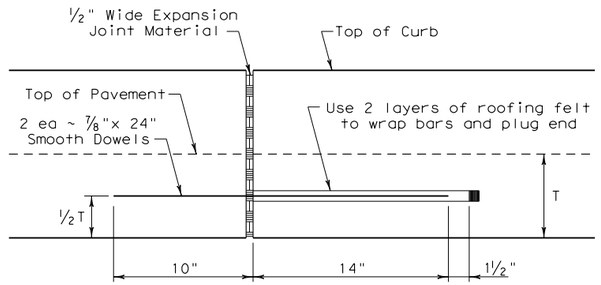
TYPE IIa CURB
5" - 5 ¾" HEIGHT



TYPE IIa CURB AND GUTTER
5" - 5 ¾" HEIGHT

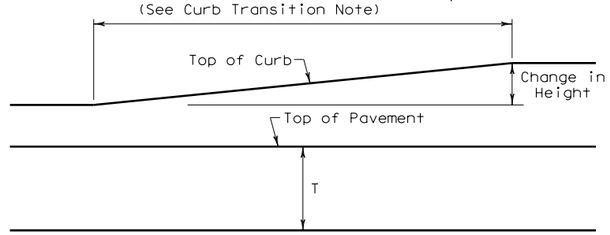


RIBBON CURB

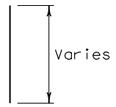


EXPANSION JOINT DETAIL

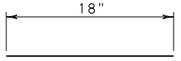
CURB TRANSITION NOTE:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.



CURB TRANSITION
Note: To be paid for as Highest Curb



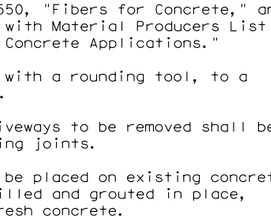
BAR B



BAR C

GENERAL NOTES

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No.4 unless otherwise shown. The use of fiber reinforced concrete in lieu of reinforcing steel is acceptable. Use fibers meeting the requirements of DMS 4550, "Fibers for Concrete," and dose fibers in accordance with Material Producers List (MPL) "Fibers for Class A and B Concrete Applications."
4. Round exposed sharp edges with a rounding tool, to a minimum radius of ¼ inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is to be placed on existing concrete pavement, Bar B may be drilled and grouted in place, or may be inserted into fresh concrete.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C~C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When horizontal permissible construction joints are used, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans. Reinforcing steel for curb section shall then conform to that required for concrete curb.
13. Bar B placement as needed (typically at four ft. C-C) to support curb reinforcing steel during concrete placement.



GERALD LANKES FOR RIBBON CURB DETAIL ONLY

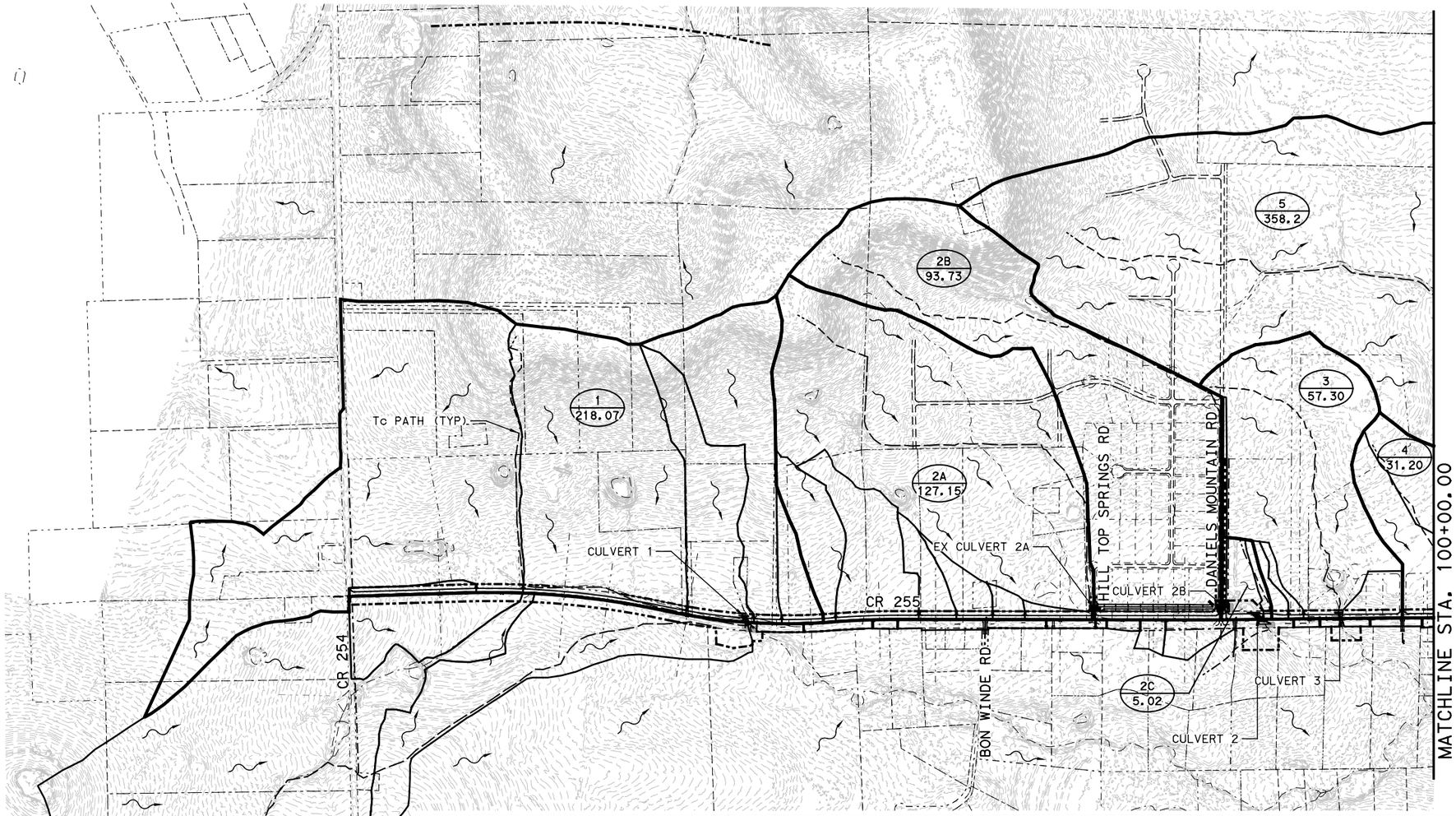
Texas Department of Transportation

Design Division Standard

CONCRETE CURB AND CURB AND GUTTER

CCCG-22 (MOD)

FILE: cccg21.dgn	DN: TXDOT	CK: AN	DW: CS	CK: KM
©TxDOT: JUNE 2022 REVISIONS	CONT	SECT	JOB	HIGHWAY
				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		162



0 500 1000

SCALE: 1" = 1000'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

1. DRAINAGE AREAS LABELED ON THIS MAP APPLY TO CROSS CULVERT OUTFALLS ONLY. REFER TO THE DRAINAGE AREA MAPS FOR DITCH & DRIVEWAY PIPE DESIGN AREAS. DUE TO THE SMALLER SCALE, SUB-AREA BOUNDARIES ARE SHOWN ON THIS MAP TO PROVIDE THE FULL LIMITS OF ALL INTERNAL DRAINAGE AREAS.
2. CONTOURS ARE SHOWN AT 1' INTERVALS & TERRAIN DATA WAS GATHERED FROM WILCO GIS WEBSITE AND TNRIS.
3. HEC HMS 4.11 WAS USED TO COMPUTE PEAK FLOWS FOR THE NRCS METHOD.
4. WHILE AREAS 2A, 2B, & 2C ARE SMALLER THAN 200 AC, THEY COMBINE FOR THE DESIGN OF CULVERT 2 WHICH EXCEEDS 200 AC. THE NRCS METHOD IS USED TO COMPUTE PEAK FLOWS FOR CULVERT 2.
5. RATIONAL METHOD FLOWS WERE COMPUTED USING TXDOT'S ATLAS 14 SPREADSHEET TOOL (EBDLKUP-2019-VC6.2.10) PARTIAL DURATION, SAN GABRIEL RIVER ZONE, WILCO.

NO.	REVISION	BY	DATE

RUNOFF SUMMARY FOR DRAINAGE AREAS LARGER THAN 200 ACRES USING NRCS TR-55 METHOD

DRAINAGE AREA NO.	AC	SQ.MI.	CN	% IMP	INITIAL ABSTRACT (Ia) (IN)	TIME OF CONC Tc (MIN)	LAG TIME T (MIN)	RAINFALL DEPTH P(25) (IN)	DISCHARGE 25 YEAR Q(25) (CFS)	RAINFALL DEPTH P(100) (IN)	DISCHARGE 100 YEAR Q(100) (CFS)	COMMENTS
CLV 1	218.07	0.3407	65	1.20	1.08	31	18.60	8.04	659	11.20	1030	
DA 2A	127.15	0.1987	65	1.27	1.08	31	18.60	8.04	384	11.20	603	
DA 2B	93.73	0.1465	65	0.93	1.08	33	19.80	8.04	274	11.20	429	
DA 2C	5.02	0.0078	65	8.00	1.08	14	8.40	8.04	23	11.20	35.1	
CLV 2	225.90	0.3530	ROUTED IN HEC-HMS					8.04	669	11.20	1049	Culvert 2 combines Areas 2A, 2B & 2C.
CLV 2B	220.88	0.3451	ROUTED IN HEC-HMS					8.04	656	11.20	1031	Culvert 2B combines Areas 2A & 2B.
CLV 5	358.20	0.5597	65	0.54	1.08	36	21.60	8.04	994	11.20	1560	

RUNOFF SUMMARY FOR DRAINAGE AREAS SMALLER THAN 200 ACRES USING THE RATIONAL METHOD

DRAINAGE AREA NO.	ACRES	SUBAREAS (AC) SUBAREA 1 AREA (AC)	C	LAND USE	REMAINING AREA AREA (AC)	C	WEIGHTED C VALUE	TOTAL CA	TOTAL Tc (MIN)	INTENSITY I(25) (IN/HR)	DISCHARGE Q(25) (CFS)	INTENSITY I(100) (IN/HR)	DISCHARGE Q(100) (CFS)	COMMENTS
CLV 3	57.30	1.00	0.90	IMP	56.30	0.37	0.38	21.73	33.00	5.11	111	6.75	147	
CLV 4	31.20	1.20	0.90	IMP	30.00	0.37	0.39	12.18	20.00	6.63	80.7	8.65	105	
CLV 6A	52.10	1.00	0.90	IMP	51.10	0.34	0.35	18.27	24.00	6.06	111	7.94	145	
DA 6B	6.14	0.50	0.90	IMP	5.64	0.34	0.39	2.37	17.00	7.14	16.9	9.27	22	
CLV 6B	58.24										128		167	Culvert 6B combines Areas 6A & 6B
CLV 7	34.90	0.68	0.90	IMP	34.22	0.37	0.38	13.27	18.00	6.96	92.4	9.05	120	
CLV 8	10.20	0.74	0.90	IMP	9.46	0.37	0.41	4.17	11.00	8.49	35.4	10.89	45.4	

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255 OFFSITE DRAINAGE AREA MAP

BEGIN PROJECT TO STA 100+00

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	163

USER: Clay.Gann
DATE: 10/25/2024 8:34:58 AM
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FILE: c:\sky\sky.gann\dms\01862\CR255_ODMA1.dgn



0 500 1000

SCALE: 1" = 1000'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

1. DRAINAGE AREAS LABELED ON THIS MAP APPLY TO CROSS CULVERT OUTFALLS ONLY. REFER TO THE DRAINAGE AREA MAPS FOR DITCH & DRIVEWAY PIPE DESIGN AREAS. DUE TO THE SMALLER SCALE, SUB-AREA BOUNDARIES ARE SHOWN ON THIS MAP TO PROVIDE THE FULL LIMITS OF ALL INTERNAL DRAINAGE AREAS.
2. CONTOURS ARE SHOWN AT 1' INTERVALS & TERRAIN DATA WAS GATHERED FROM WILCO GIS WEBSITE AND TNRIS.
3. HEC HMS 4.11 WAS USED TO COMPUTE PEAK FLOWS FOR THE NRCS METHOD.
4. RATIONAL METHOD FLOWS WERE COMPUTED USING TXDOT'S ATLAS 14 SPREADSHEET TOOL (EBDLKUP-2019-VC6.2.10) PARTIAL DURATION, SAN GABRIEL RIVER ZONE, WILCO.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

Clay E. Gann 10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
OFFSITE
DRAINAGE AREA MAP

STA 100+00 TO END PROJECT

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	164

USER: ClayGann
DATE: 10/25/2024 8:35:03 AM
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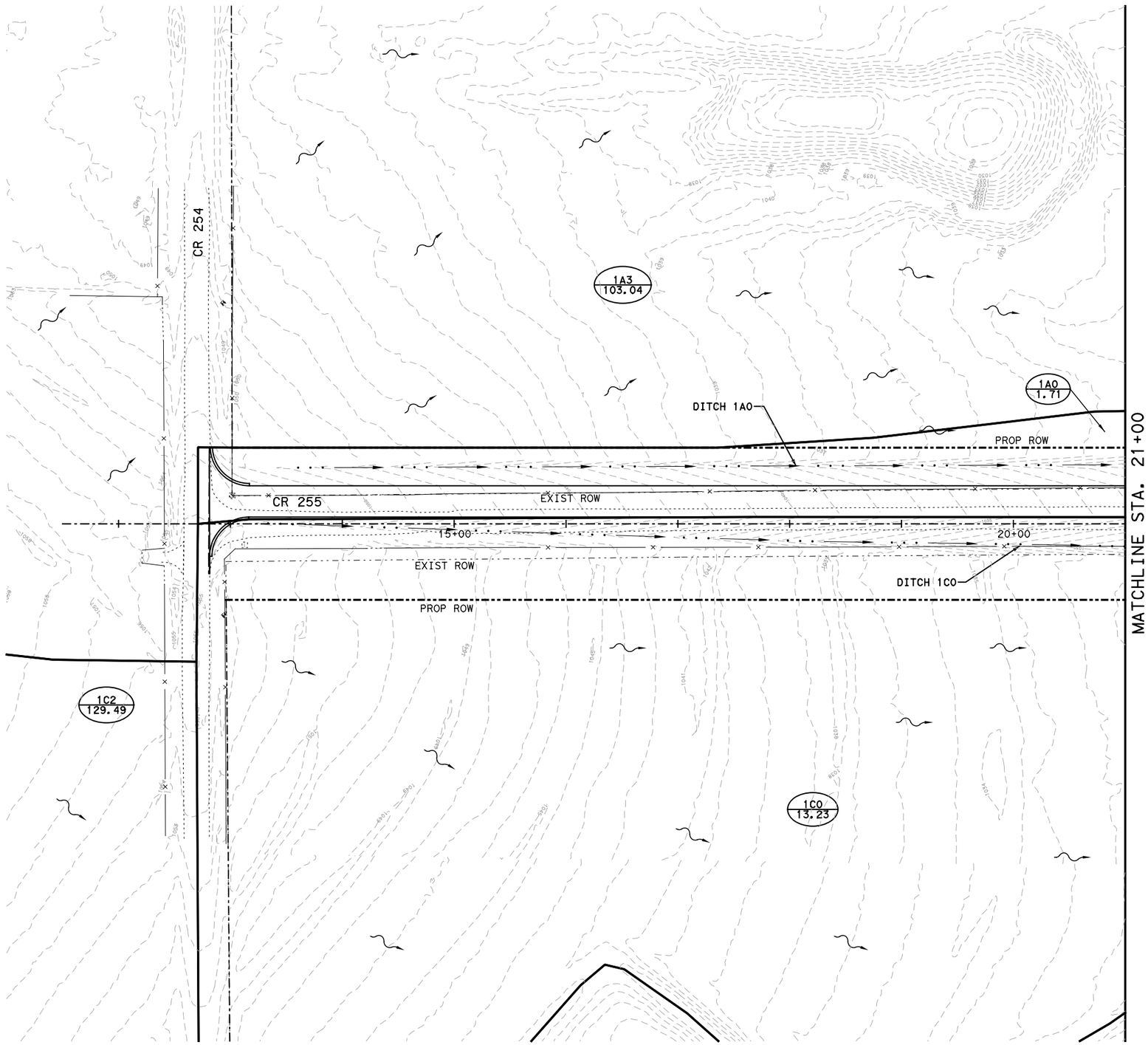

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

1. CONTOURS ARE PROVIDED AT 1' INTERVALS AND GENERATED FROM WILCO GIS WEBSITE AND TNRIS DATA.
2. THESE DRAINAGE AREA MAPS REFLECT THE INTERNAL DRAINAGE BOUNDARIES NEEDED TO COMPUTE PEAK FLOWS USING THE RATIONAL METHOD FOR THE DESIGN OF DITCHES AND DRIVEWAY CULVERTS. REFER TO THE OFFSITE DRAINAGE AREA MAPS FOR THE FULL LIMITS OF IDENTIFIED DRAINAGE BOUNDARIES.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
BEGIN PROJECT TO STA 21+00

SHEET 1 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	165

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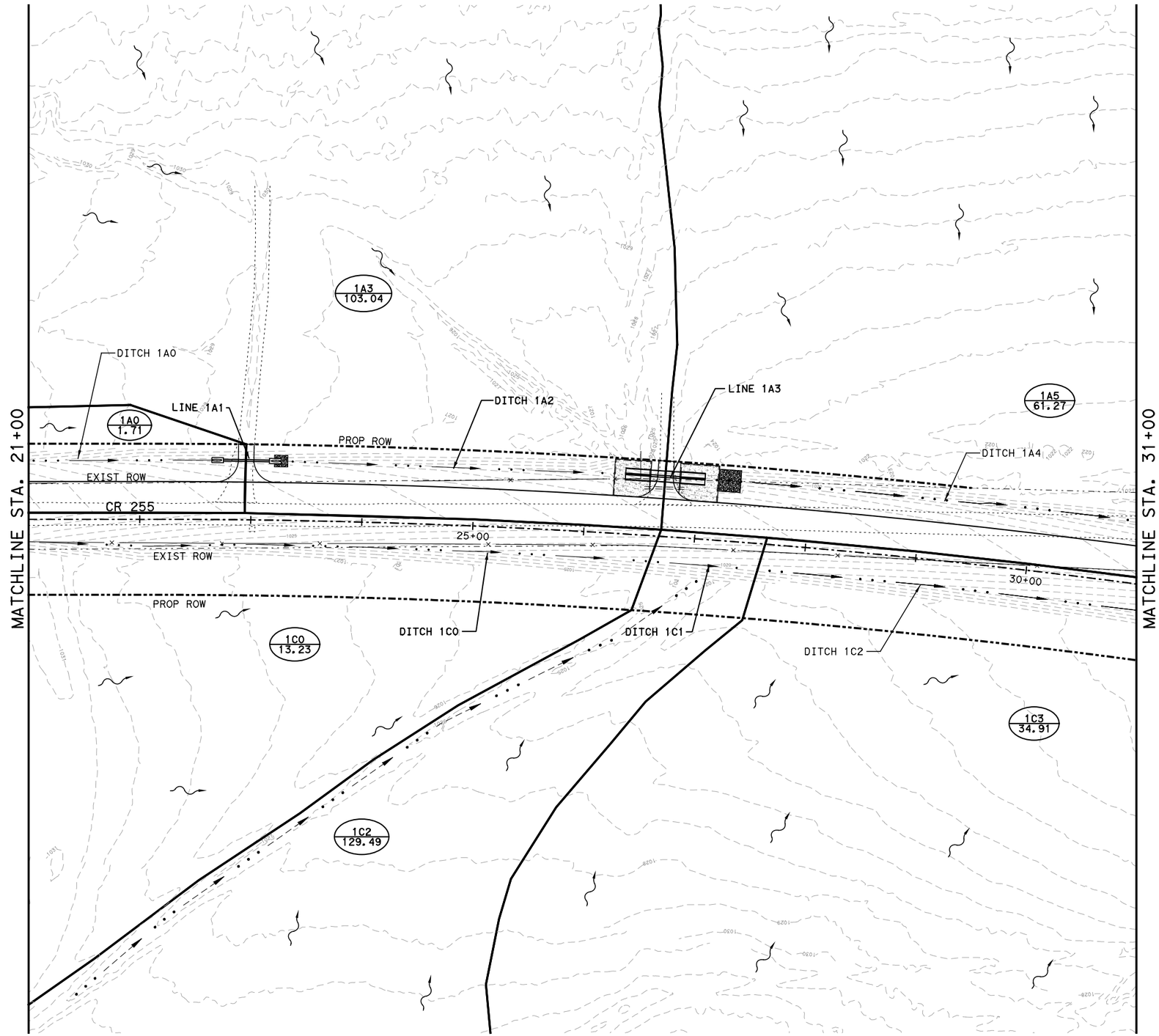

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

1. CONTOURS ARE PROVIDED AT 1' INTERVALS AND GENERATED FROM WILCO GIS WEBSITE AND TNRIS DATA.
2. THESE DRAINAGE AREA MAPS REFLECT THE INTERNAL DRAINAGE BOUNDARIES NEEDED TO COMPUTE PEAK FLOWS USING THE RATIONAL METHOD FOR THE DESIGN OF DITCHES AND DRIVEWAY CULVERTS. REFER TO THE OFFSITE DRAINAGE AREA MAPS FOR THE FULL LIMITS OF IDENTIFIED DRAINAGE BOUNDARIES.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 21+00 TO 31+00

SHEET 2 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	166

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0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

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CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 31+00 TO 41+00

SHEET 3 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	167

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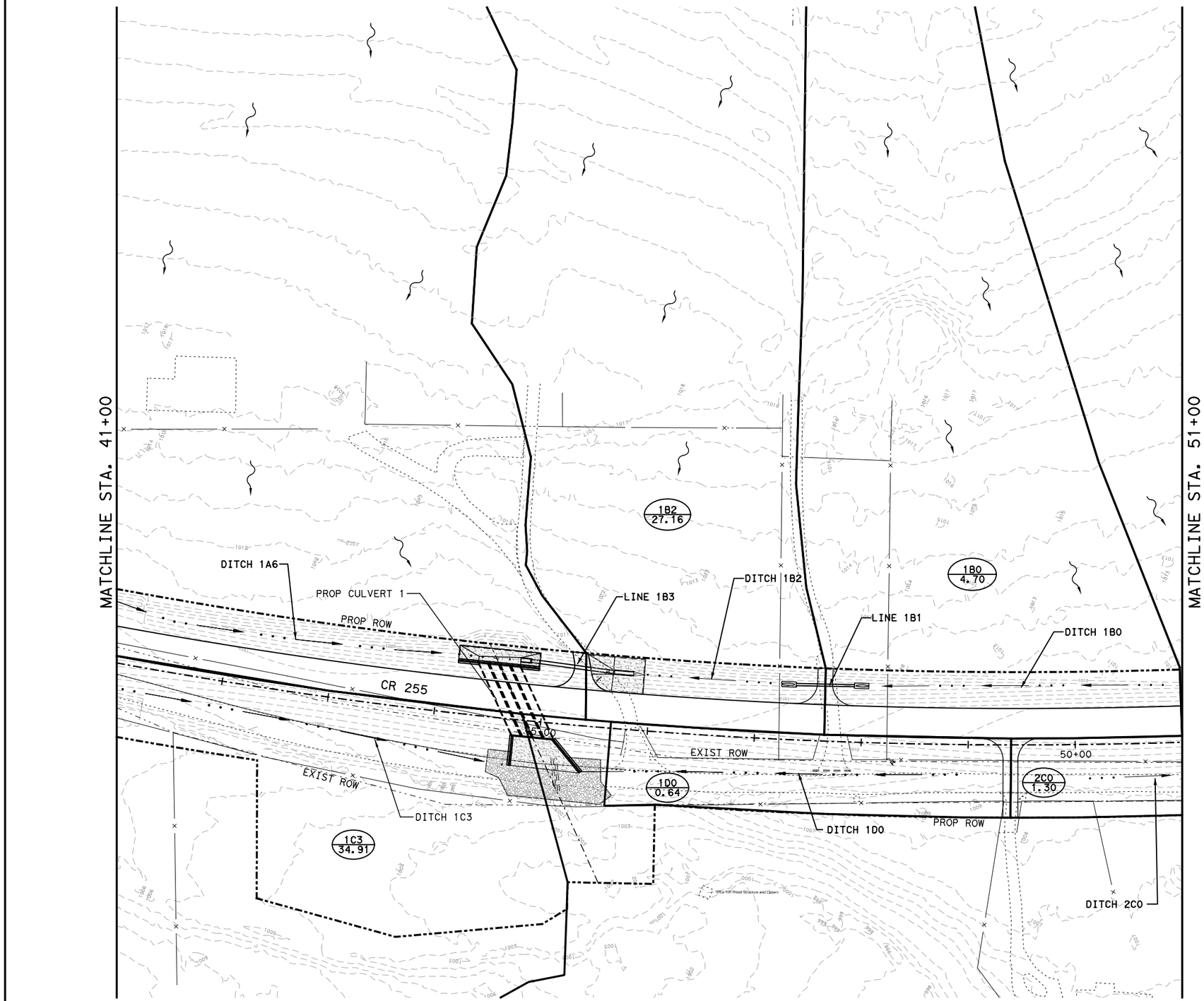

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
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LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 41+00 TO 51+00

SHEET 4 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	168

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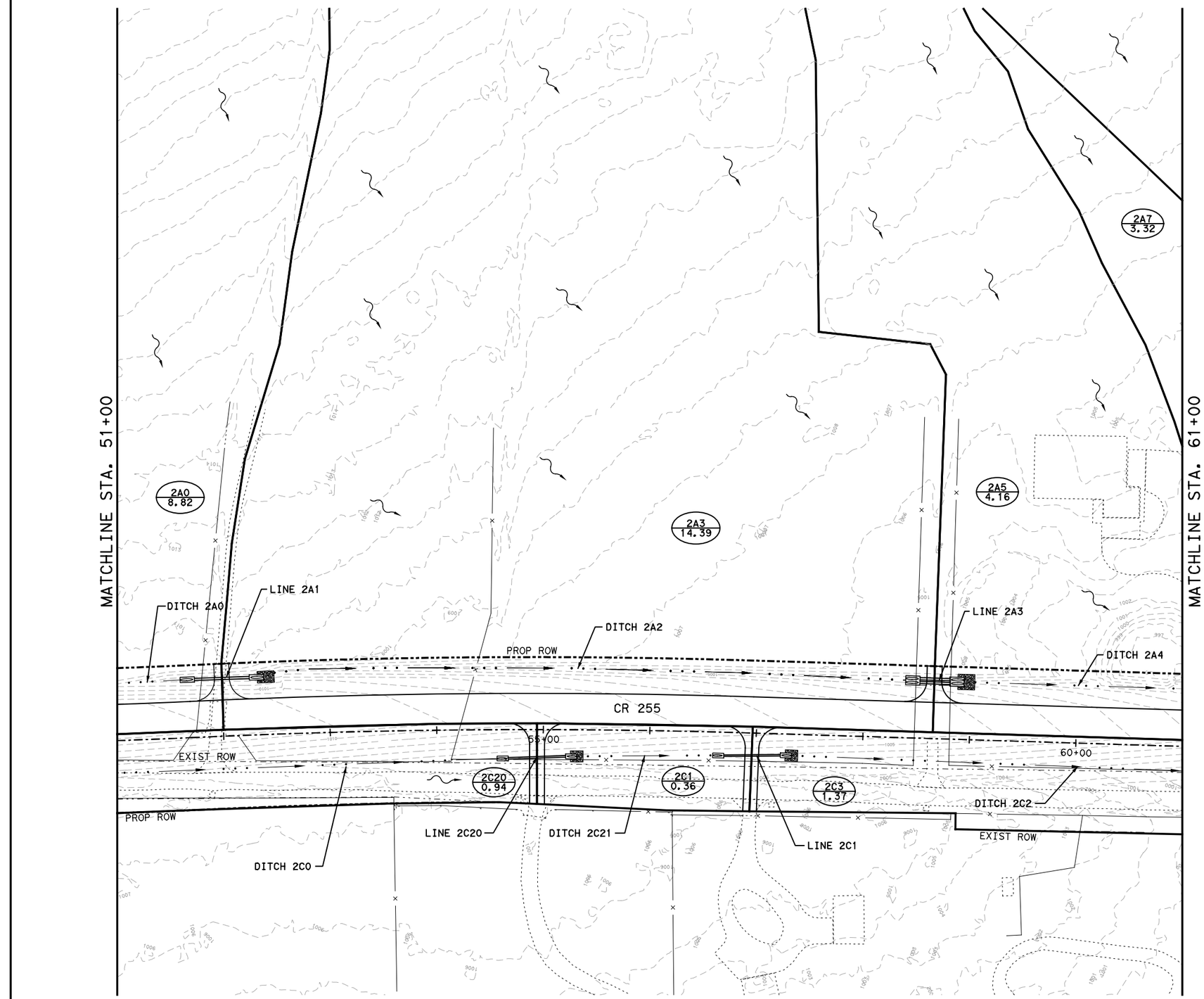

0 50 100

SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE AREA MAP

STA 51+00 TO 61+00

SHEET 5 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	169

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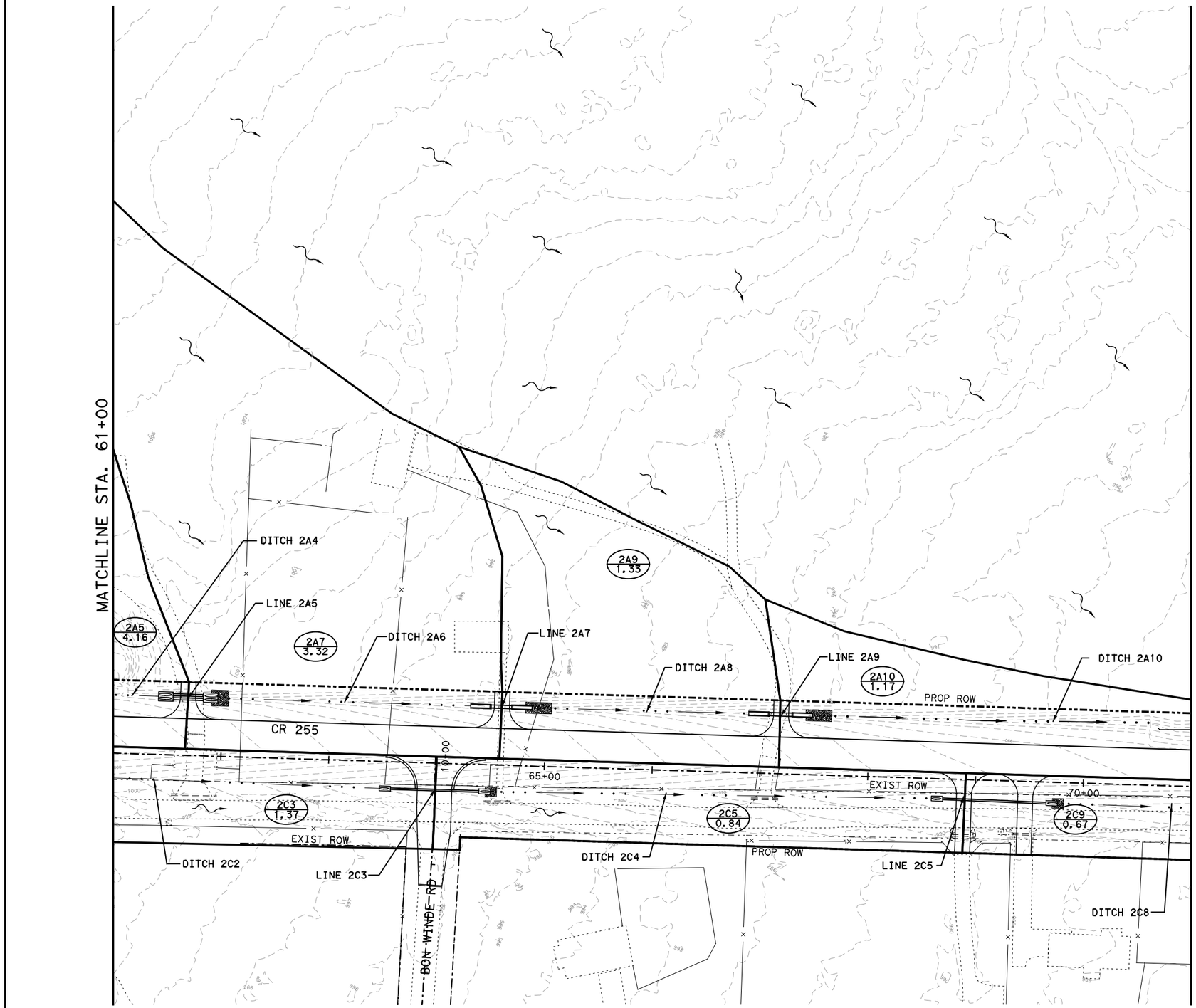

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG
CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 61+00 TO 71+00

SHEET 6 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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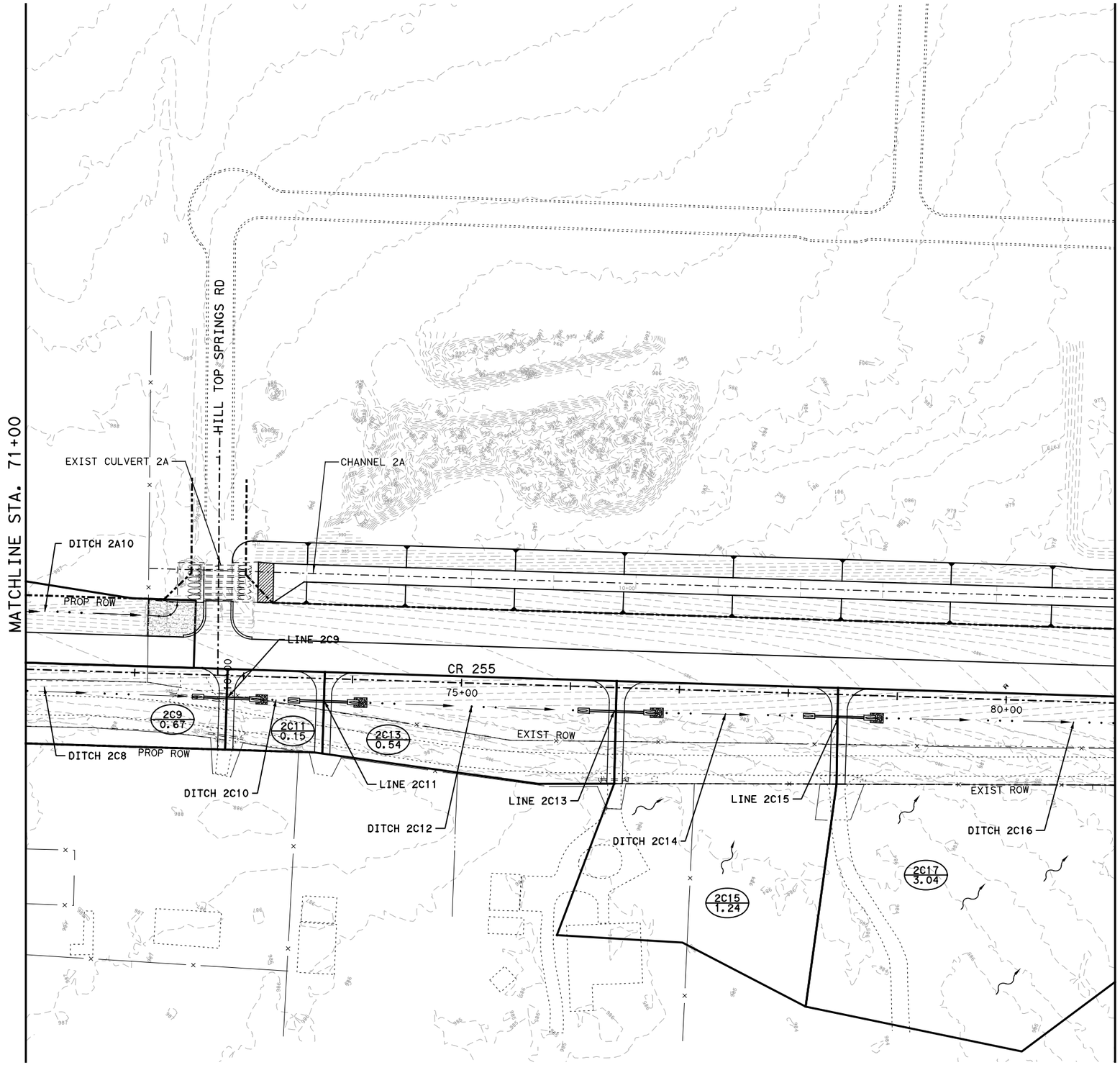

0 50 100

SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE AREA MAP

STA 71+00 TO 81+00

SHEET 7 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	171

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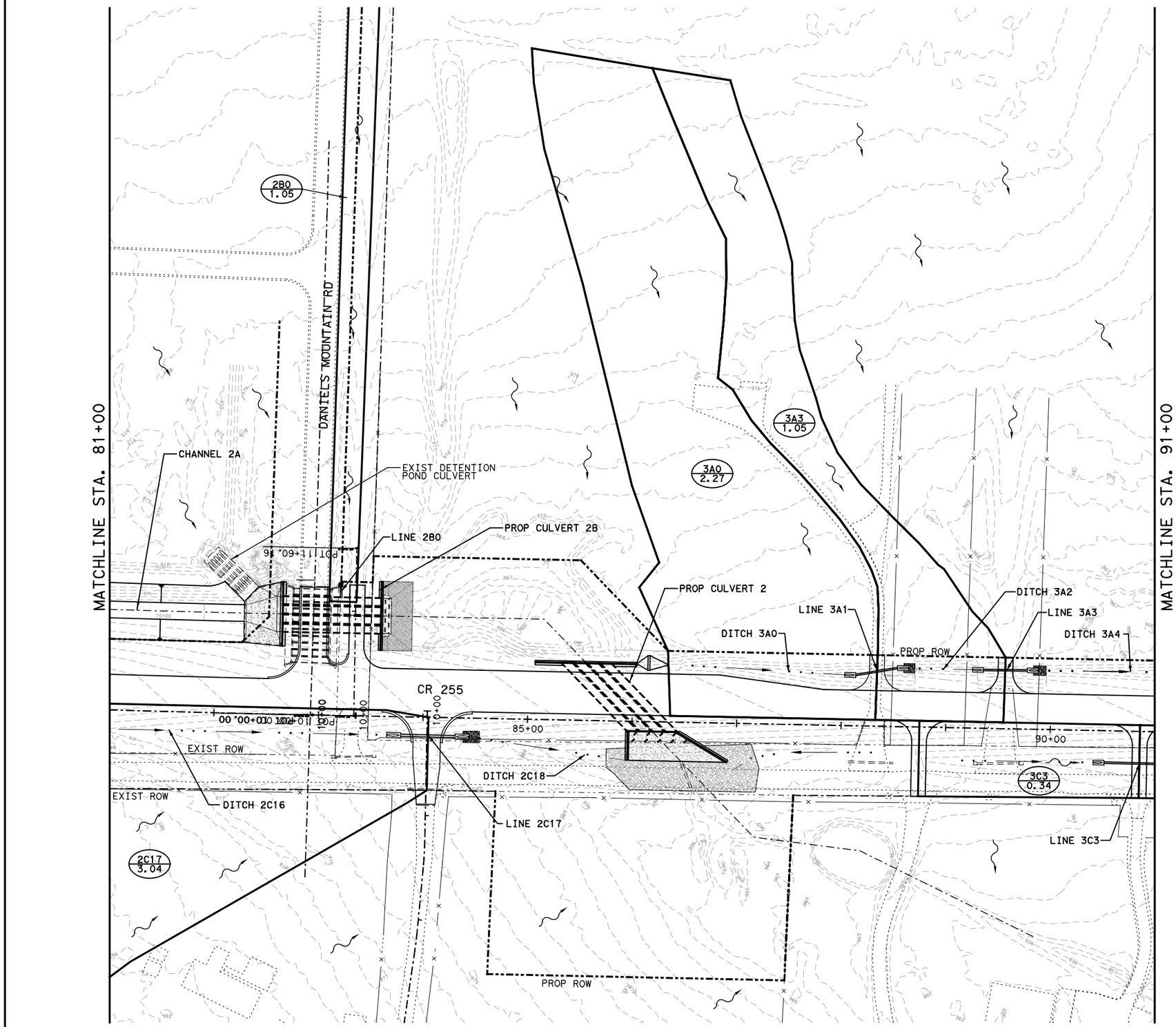

0 50 100

SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE AREA MAP

STA 81+00 TO 91+00

SHEET 8 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	172

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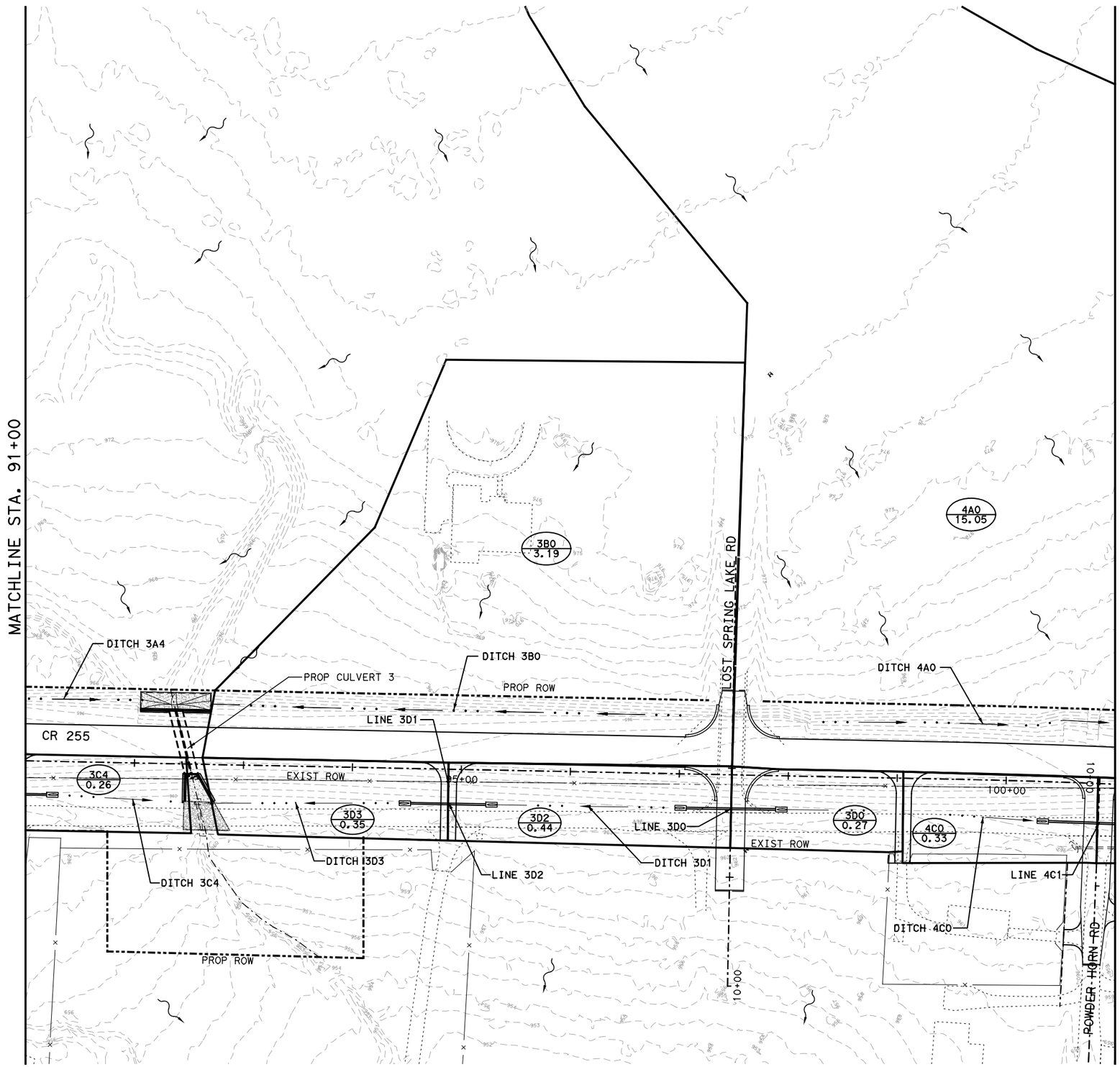

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 91+00 TO 101+00

SHEET 9 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	173

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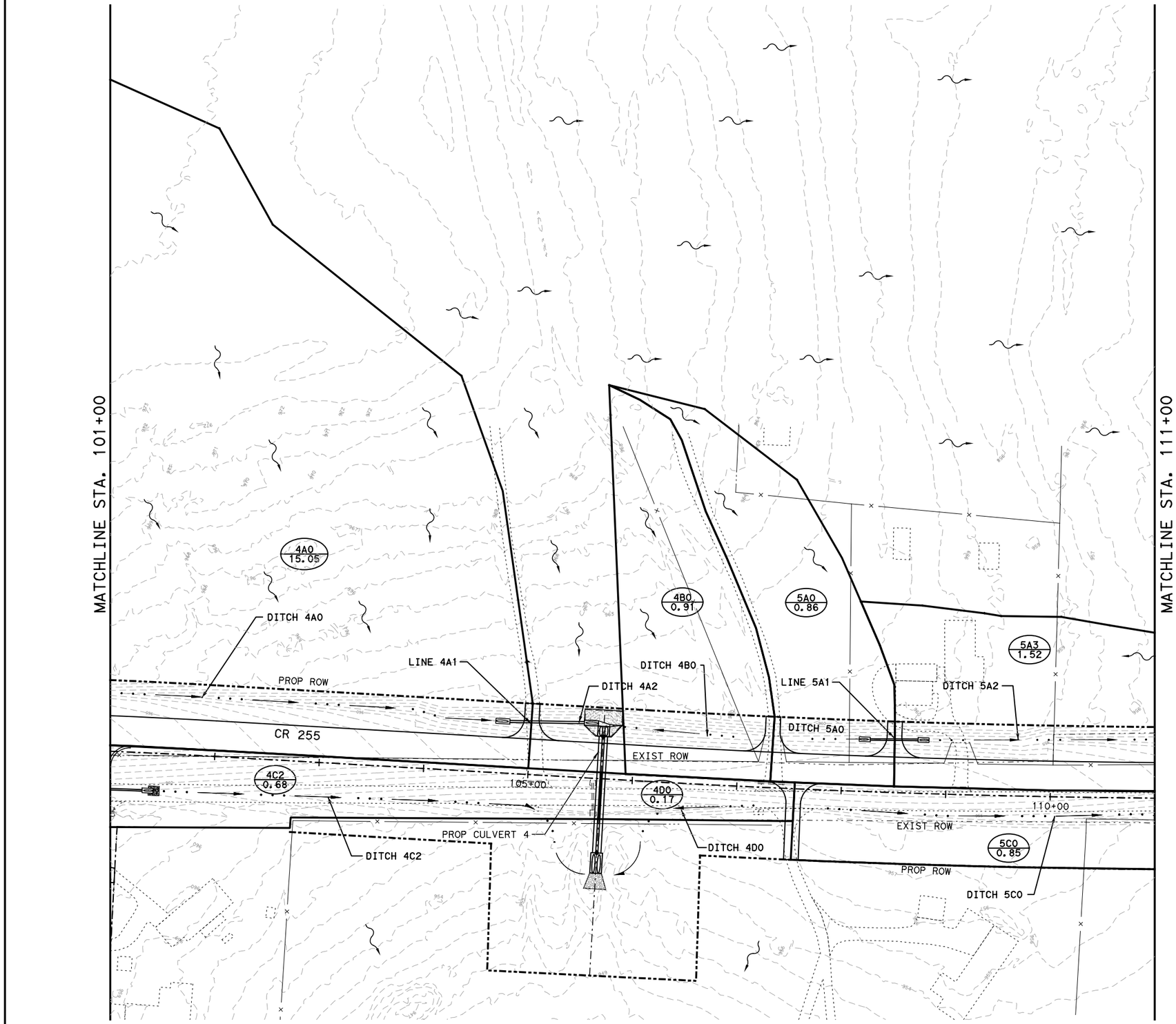

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

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NO.	REVISION	BY	DATE

STATE OF TEXAS
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88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

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CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE AREA MAP

STA 101+00 TO 111+00

SHEET 10 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	174

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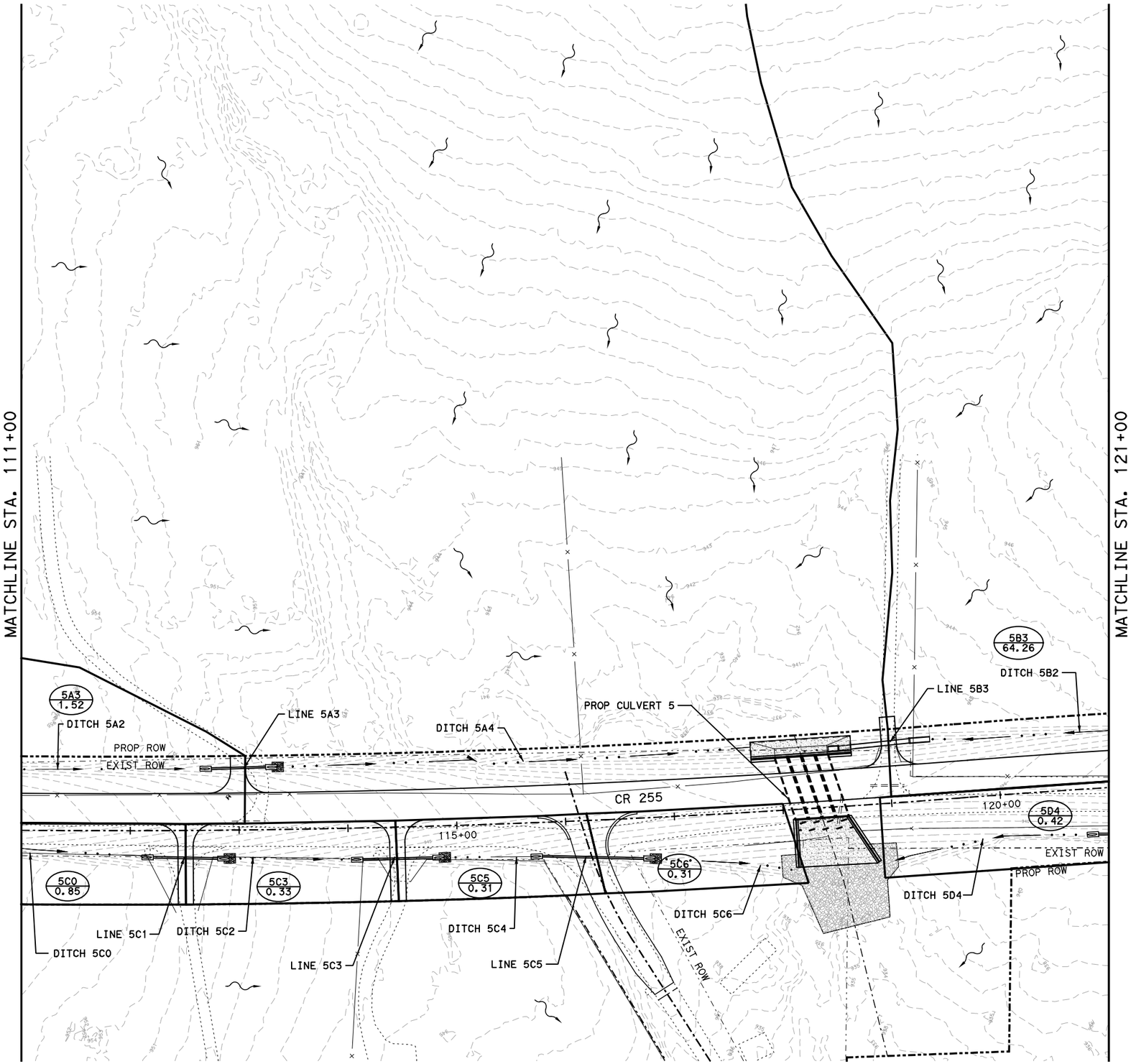

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
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- EXIST ROW
- PROP ROW

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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

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CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 111+00 TO 121+00

SHEET 11 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	175

USER: ClayGann
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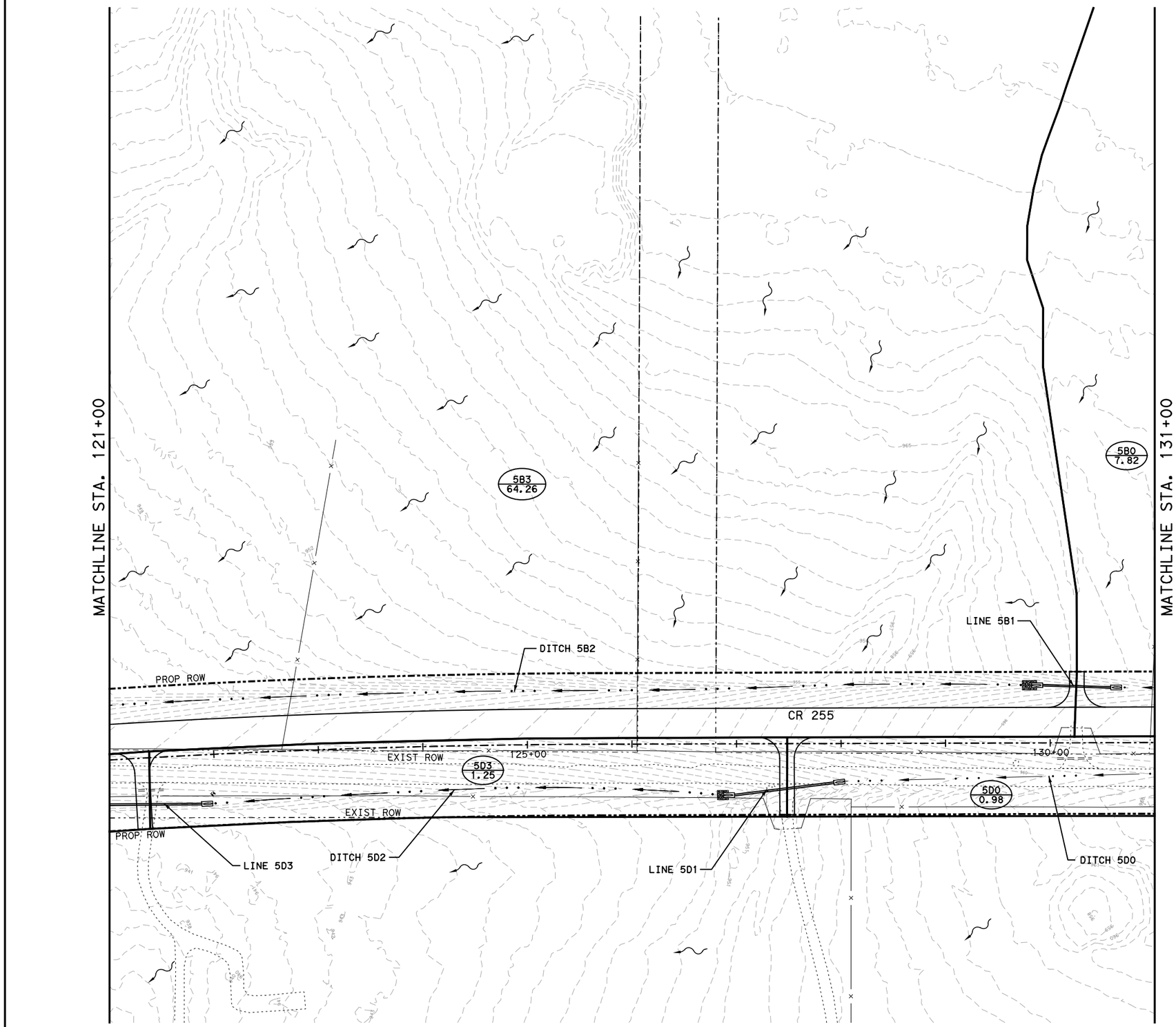

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

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NO.	REVISION	BY	DATE

STATE OF TEXAS
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88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 121+00 TO 131+00

SHEET 12 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	176

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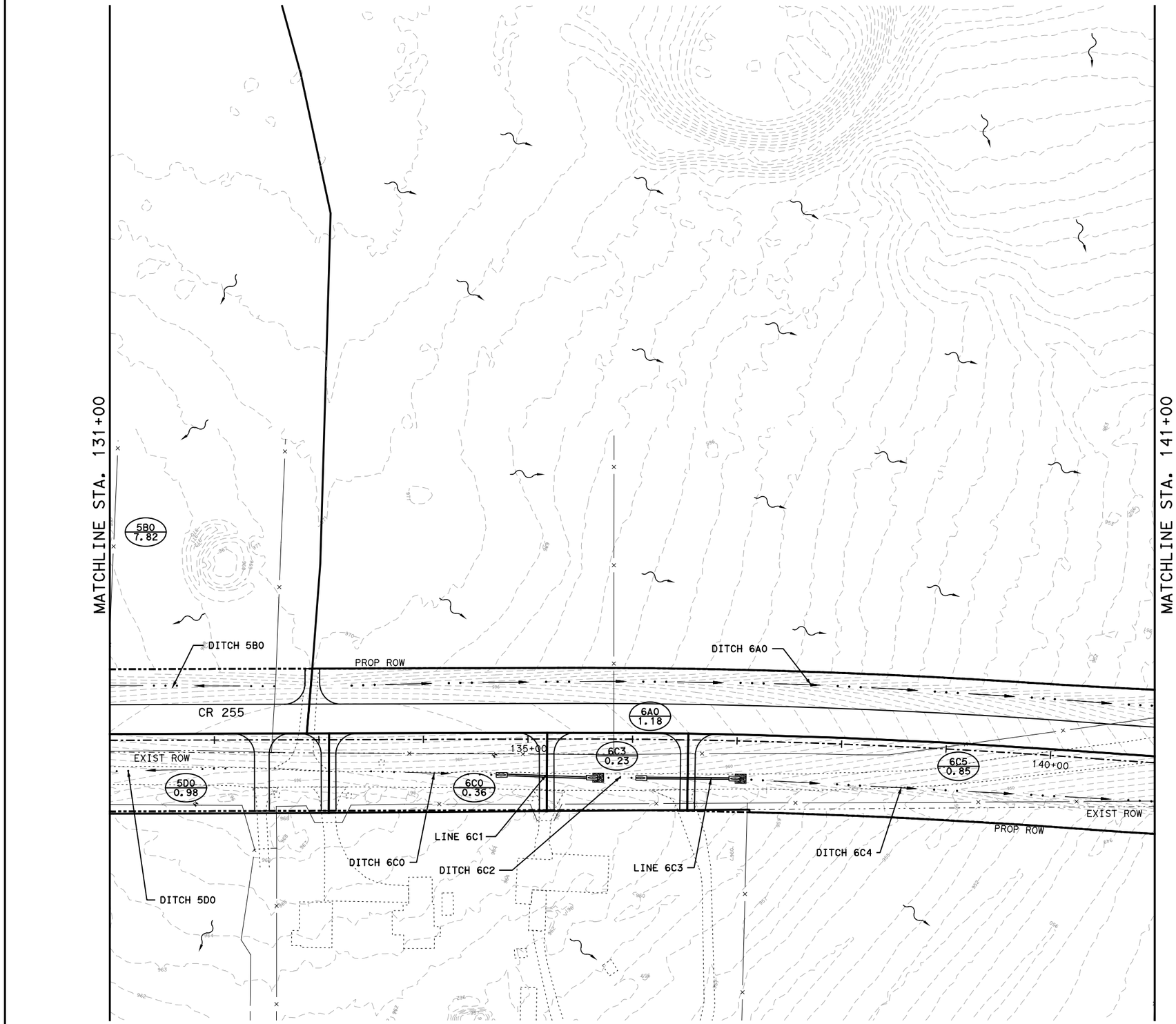

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
- EXIST ROW
- PROP ROW

NOTES:

1. CONTOURS ARE PROVIDED AT 1' INTERVALS AND GENERATED FROM WILCO GIS WEBSITE AND TNRIS DATA.
2. THESE DRAINAGE AREA MAPS REFLECT THE INTERNAL DRAINAGE BOUNDARIES NEEDED TO COMPUTE PEAK FLOWS USING THE RATIONAL METHOD FOR THE DESIGN OF DITCHES AND DRIVEWAY CULVERTS. REFER TO THE OFFSITE DRAINAGE AREA MAPS FOR THE FULL LIMITS OF IDENTIFIED DRAINAGE BOUNDARIES.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 131+00 TO 141+00

SHEET 13 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	177

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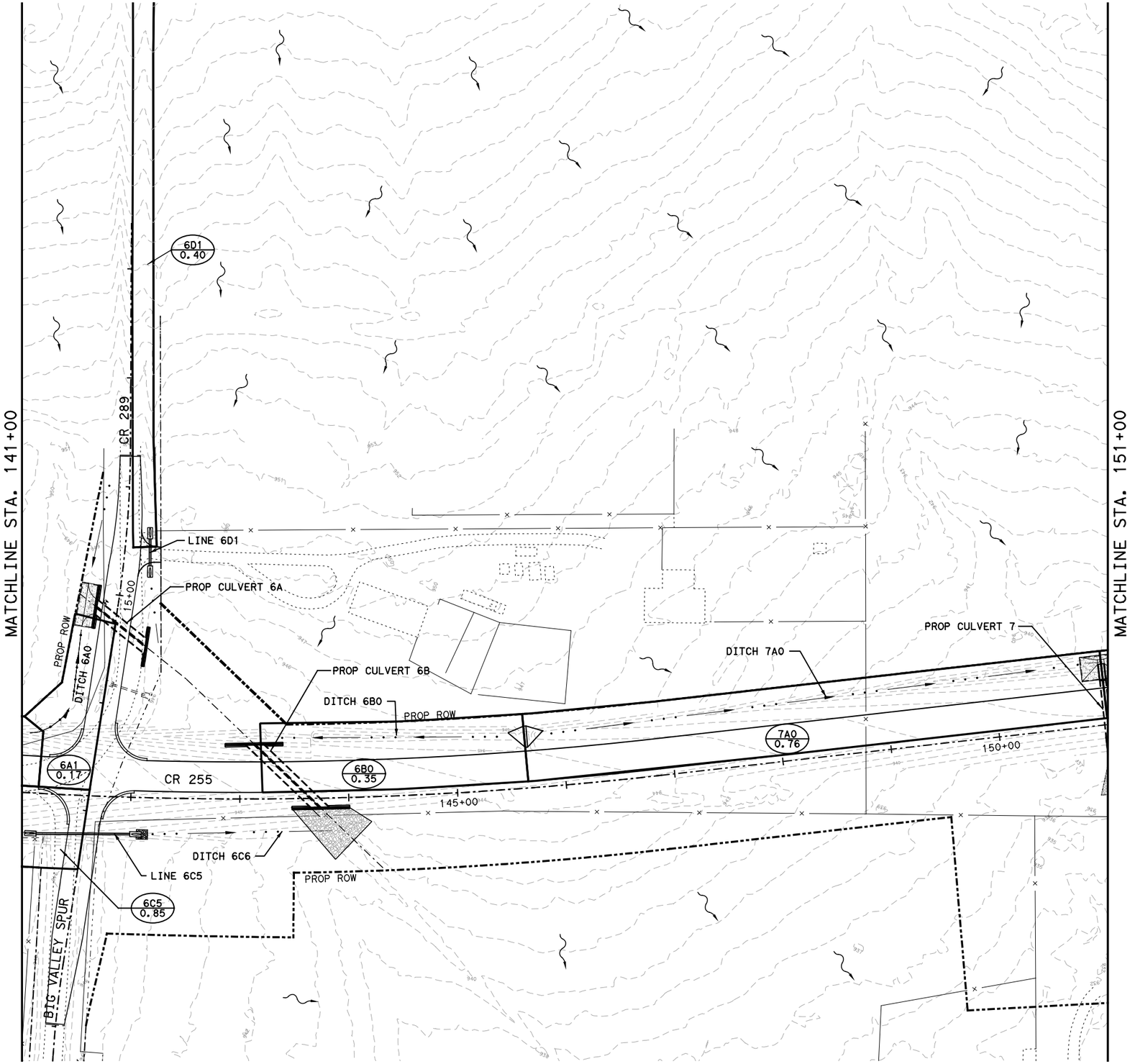

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
- CREEK THALWEG
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NO.	REVISION	BY	DATE

STATE OF TEXAS
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10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG
CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 141+00 TO 151+00

SHEET 14 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	178

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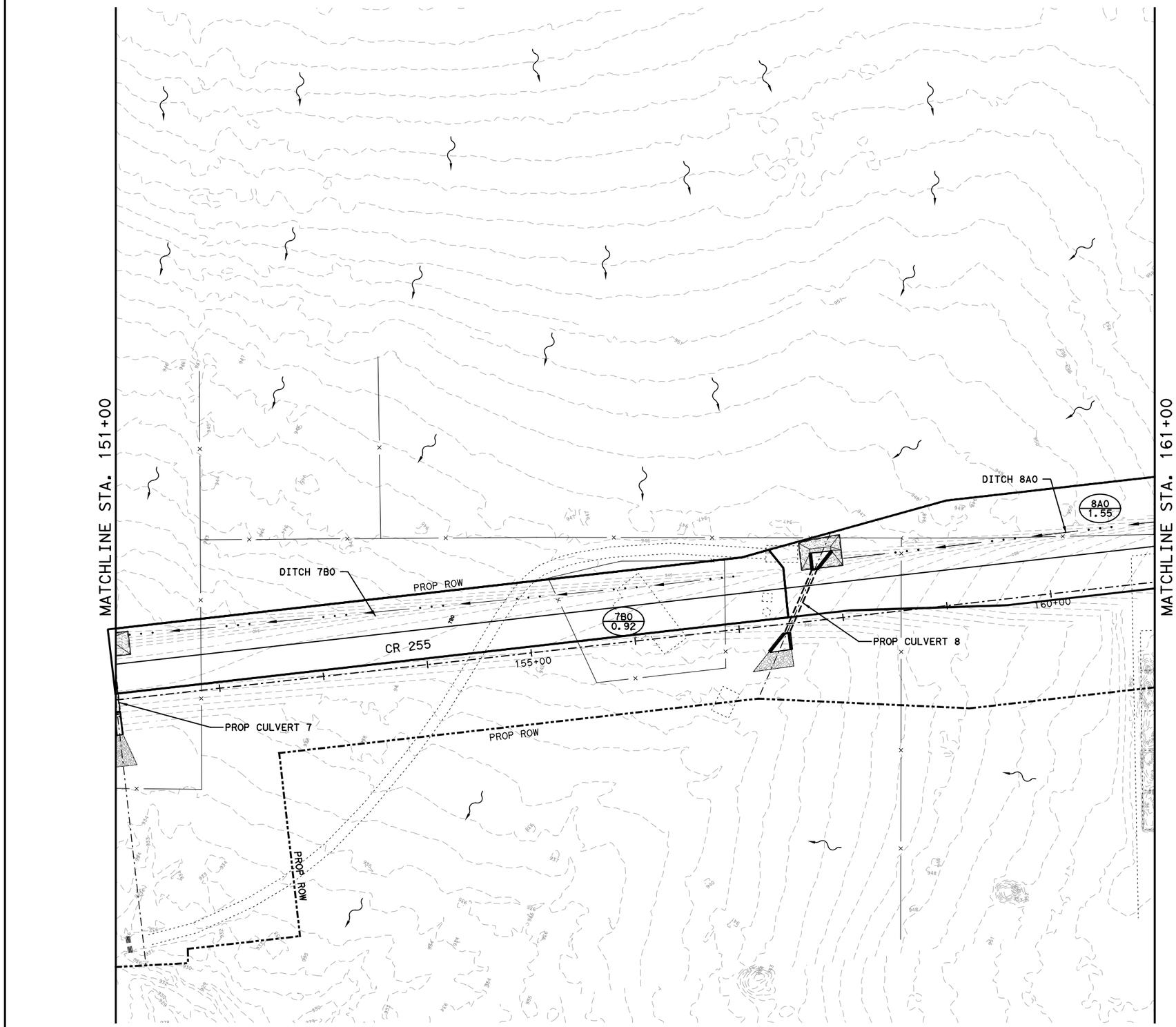

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER

Clay E. Gann, P.E.
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
STA 151+00 TO 161+00

SHEET 15 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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0 50 100

SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- DRAINAGE SUB-AREA BOUNDARY
- EXIST CONTOUR
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- EXIST ROW
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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE AREA MAP

STA 161+00 TO END PROJECT

SHEET 16 OF 16

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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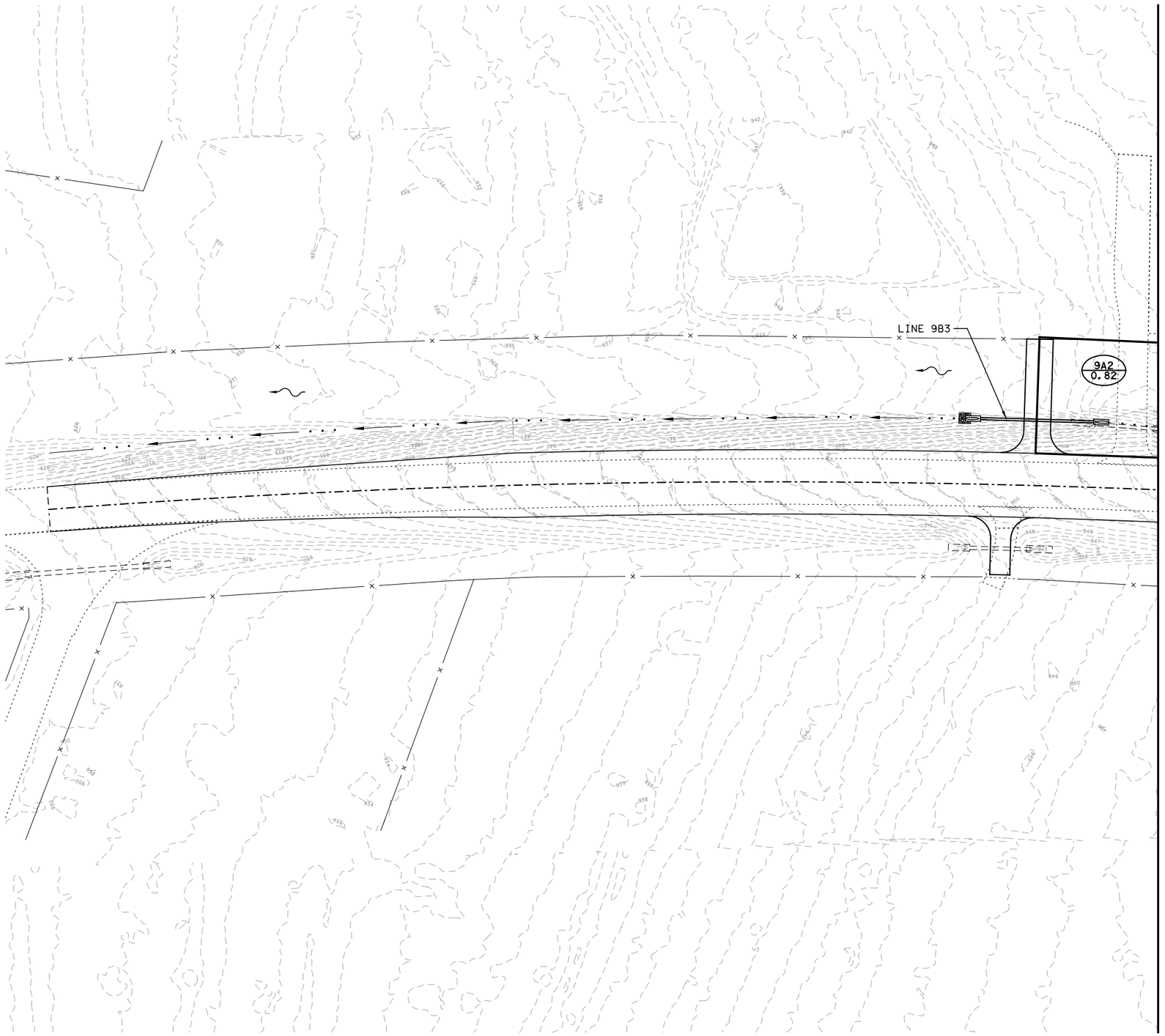

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
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- DRAINAGE SUB-AREA BOUNDARY
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10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
RONALD REAGAN BLVD
BEGIN PROJECT TO STA 20+00

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	181

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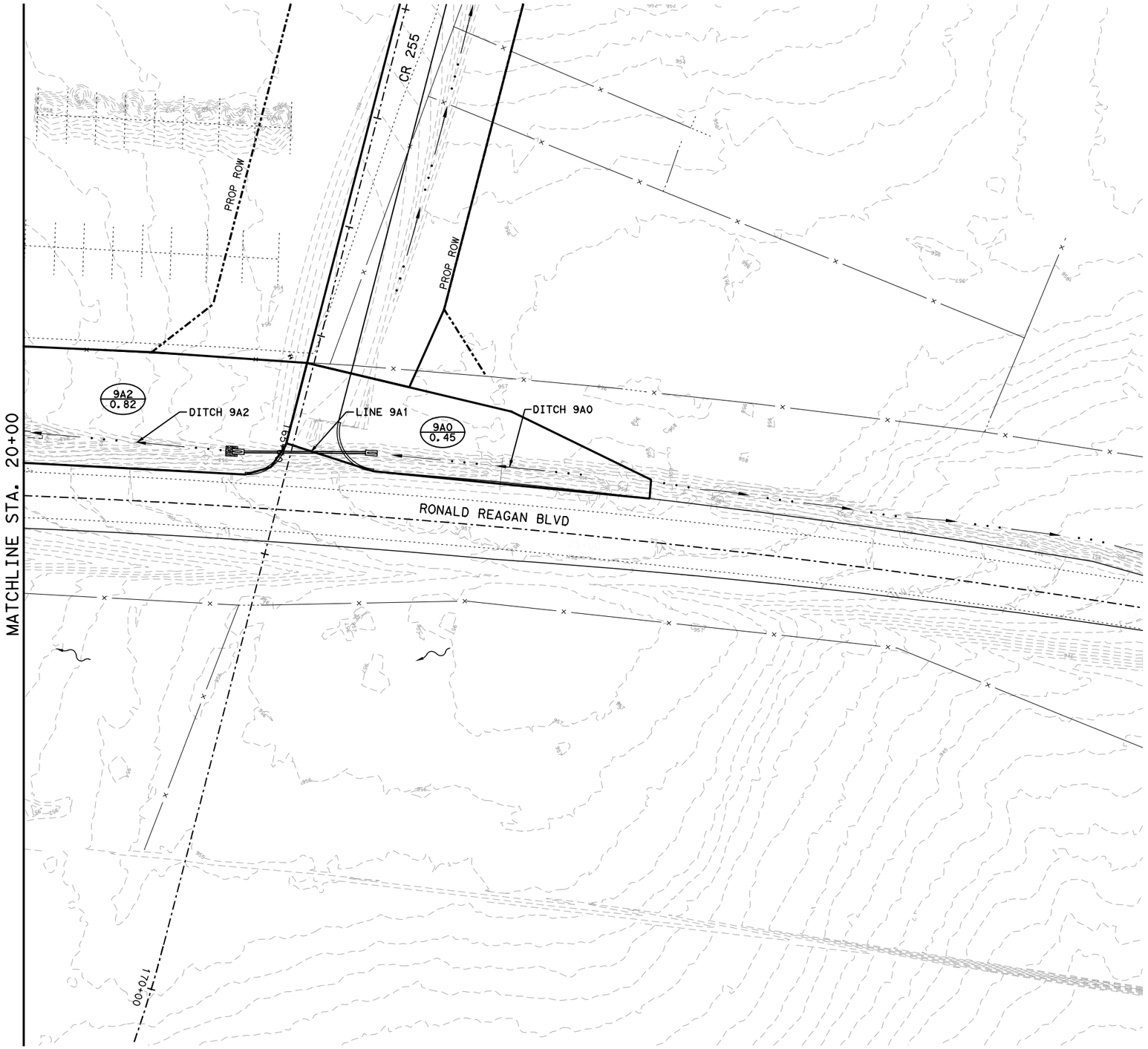

0 50 100
SCALE: 1" = 100'

LEGEND

- X / X.XX — AREA I.D. / AREA IN ACRES
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
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NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

DEPARTMENT OF INFRASTRUCTURE

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE AREA MAP
RONALD REAGAN BLVD
STA 20+00 TO END PROJECT

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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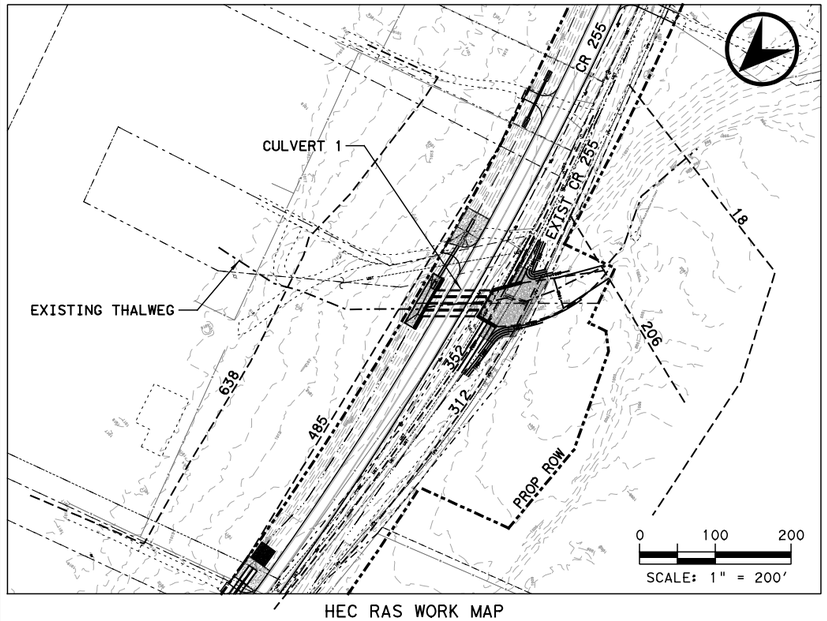

HEC RAS WORK MAP

Plan: PROP River 1 Existing CR1 RS: 412 Culv Group: Group #2 Profile: 4% AEP			
Q Culv Group (cfs)	659	Culv Full Len (ft)	
# Barrels	4	Culv Vel US (ft/s)	9.11
Q Barrel (cfs)	164.75	Culv Vel DS (ft/s)	10.39
E.G. US. (ft)	1007.71	Culv Inv El Up (ft)	1003.19
W.S. US. (ft)	1010.64	Culv Inv El Dn (ft)	1002.8
E.G. DS (ft)	1005.56	Culv Frctn Ls (ft)	0.32
W.S. DS (ft)	1005.33	Culv Exit Loss (ft)	1.19
Delta EG (ft)	2.15	Culv Entr Loss (ft)	0.65
Delta WS (ft)	5.32	Q Weir (cfs)	
E.G. IC (ft)	1007.57	Weir Sta Lft (ft)	
E.G. OC (ft)	1007.71	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	1005.77	Weir Max Depth (ft)	
Culv WS Outlet (ft)	1005.06	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.18	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.58	Min El Weir Flow (ft)	1010.33

Plan: PROP River 1 Existing CR1 RS: 412 Culv Group: Group #2 Profile: 1% AEP			
Q Culv Group (cfs)	1030	Culv Full Len (ft)	
# Barrels	4	Culv Vel US (ft/s)	9.2
Q Barrel (cfs)	257.5	Culv Vel DS (ft/s)	13.68
E.G. US. (ft)	1009.6	Culv Inv El Up (ft)	1003.19
W.S. US. (ft)	1010.88	Culv Inv El Dn (ft)	1002.8
E.G. DS (ft)	1006.23	Culv Frctn Ls (ft)	0.55
W.S. DS (ft)	1005.93	Culv Exit Loss (ft)	2.17
Delta EG (ft)	3.38	Culv Entr Loss (ft)	0.66
Delta WS (ft)	4.94	Q Weir (cfs)	
E.G. IC (ft)	1009.6	Weir Sta Lft (ft)	
E.G. OC (ft)	1009.28	Weir Sta Rgt (ft)	
Culvert Control	Inlet	Weir Submerg	
Culv WS Inlet (ft)	1007.19	Weir Max Depth (ft)	
Culv WS Outlet (ft)	1005.49	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	3.01	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	3.48	Min El Weir Flow (ft)	1010.33

NOTES:

1. CULVERTS WERE MODELED USING HEC-RAS VERSION 6.4.
2. HYDROLOGY FOR ALL BRIDGE-CLASS CROSSINGS WERE COMPUTED BASED ON THE NRCS UH METHOD WITH RAINFALL DEPTHS GATHERED FROM THE NOAA PRECIPITATION FREQUENCY SERVER FOR ATLAS 14.
3. HEC-HMS 4.11 WAS USED TO COMPUTE PEAK FLOWS.
4. REFER TO THE CR 255 DRAINAGE REPORT FOR SOILS INFORMATION.
5. A CURVE NUMBER ADJUSTMENT FACTOR OF -15 WAS APPLIED TO ALL COMPUTED CN VALUES EXCEPT FOR AREAS THAT REPRESENT IMPERVIOUS COVER.

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Existing CR1	638	4% AEP	EXIST	659	1014	1014.98		1015.07	0.030683	1.54	307.63	737.64	0.4
Existing CR1	638	4% AEP	PROP	659	1014	1014.99		1015.08	0.028355	1.5	315.43	739.49	0.39
Existing CR1	638	1% AEP	EXIST	1030	1014	1015.12		1015.25	0.028579	1.78	414.45	749.13	0.41
Existing CR1	638	1% AEP	PROP	1030	1014	1015.12		1015.25	0.028466	1.77	414.95	749.16	0.41
Existing CR1	485	4% AEP	EXIST	659	1009.47	1010.66	1010.66	1010.96	0.023651	4.46	159.82	319.78	0.95
Existing CR1	485	4% AEP	PROP	659	1009.47	1010.64	1010.64	1010.96	0.025426	4.58	154.84	315.32	0.98
Existing CR1	485	1% AEP	EXIST	1030	1009.47	1010.88	1010.88	1011.25	0.023777	5.08	235.58	372.59	0.95
Existing CR1	485	1% AEP	PROP	1030	1009.47	1010.88	1010.88	1011.25	0.023833	5.09	235.52	375.66	0.95
Existing CR1	352	4% AEP	EXIST	659	1003.56	1008.63	1006.06	1008.64	0.000088	0.84	1124.77	591.47	0.08
Existing CR1	352	4% AEP	PROP	659	1002.87	1005.33		1005.56	0.003838	3.85	173.07	95.55	0.46
Existing CR1	352	1% AEP	EXIST	1030	1003.56	1008.93	1006.33	1008.94	0.000142	1.12	1306.31	619.4	0.1
Existing CR1	352	1% AEP	PROP	1030	1002.87	1005.93		1006.23	0.003751	4.47	256.27	157	0.47
Existing CR1	330 CULVERT 1			Culvert									
Existing CR1	312	4% AEP	EXIST	659	1003.53	1006.16	1006.06	1006.42	0.011272	5.14	179.29	245.82	0.74
Existing CR1	312	4% AEP	PROP	659	1002.59	1005.24		1005.4	0.002329	3.2	213.16	133.07	0.36
Existing CR1	312	1% AEP	EXIST	1030	1003.53	1006.63	1006.38	1006.82	0.007136	4.9	332.92	386.36	0.61
Existing CR1	312	1% AEP	PROP	1030	1002.59	1005.86		1006.06	0.002413	3.74	314.61	218.89	0.38
Existing CR1	206	4% AEP	EXIST	1140	1001.87	1004.3		1004.64	0.021648	3.24	296.97	204.96	0.43
Existing CR1	206	4% AEP	PROP	1140	1001.87	1004.3		1004.64	0.021648	3.24	296.97	204.96	0.43
Existing CR1	206	1% AEP	EXIST	1800	1001.87	1004.72		1005.24	0.023716	3.9	389.22	225.13	0.46
Existing CR1	206	1% AEP	PROP	1800	1001.87	1004.72		1005.24	0.023716	3.9	389.22	225.13	0.46
Existing CR1	18	4% AEP	EXIST	1140	999.2	1001.71	1001.39	1001.94	0.01002	4.72	309.25	261.54	0.69
Existing CR1	18	4% AEP	PROP	1140	999.2	1001.71	1001.39	1001.94	0.01002	4.72	309.25	261.54	0.69
Existing CR1	18	1% AEP	EXIST	1800	999.2	1002.12	1001.69	1002.42	0.01	5.4	421.01	281.78	0.72
Existing CR1	18	1% AEP	PROP	1800	999.2	1002.12	1001.69	1002.42	0.01	5.4	421.01	281.78	0.72

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERT 1
STA 44+85

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	183

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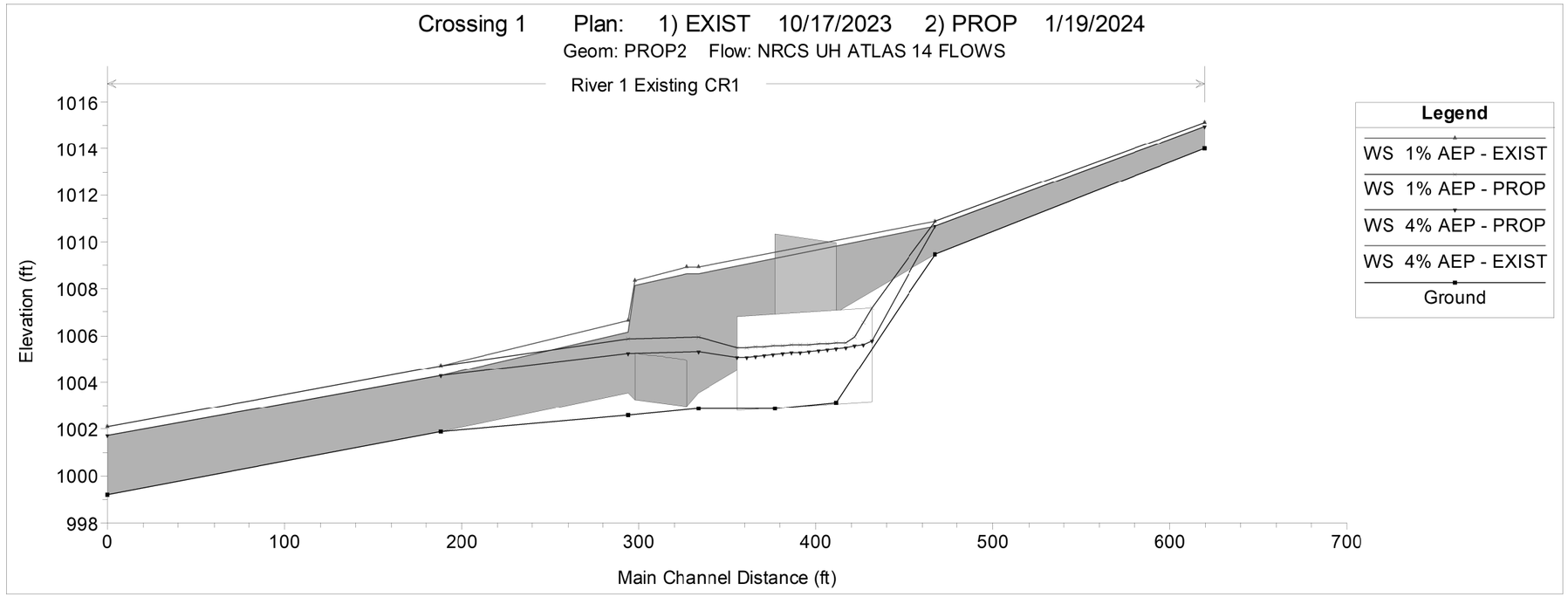

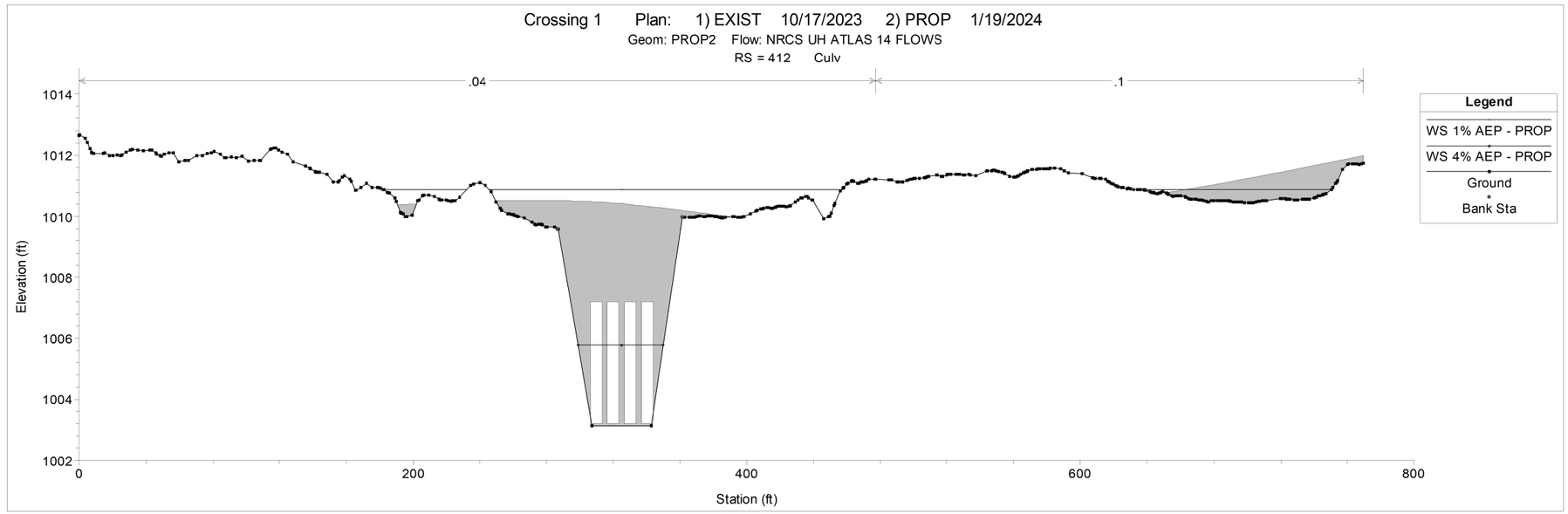

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512.574.5738
TBPE Firm No. 20717

CR 255
HYDRAULIC DATA SHEET
BRIDGE-CLASS CULVERT 1
STA 44+85

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	184

USER: ClayGann
DATE: 10/25/2024 8:36:54 AM
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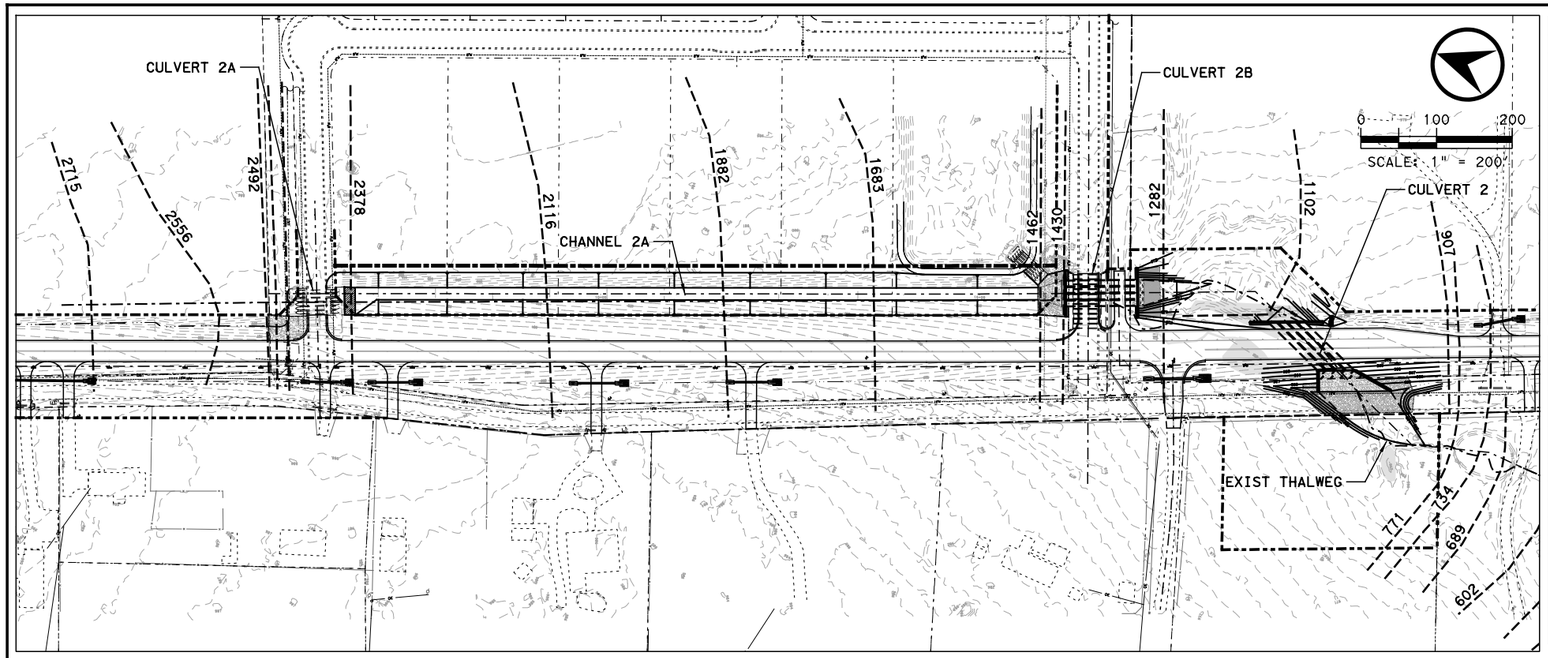

HEC RAS WORK MAP

Plan: PROP	River 1	Reach 1	RS: 1015	Culv Group: Group #1	Profile: 4% AEP
Q Culv Group (cfs)	669	Culv Full Len (ft)			
# Barrels	4	Culv Vel US (ft/s)	8.76		
Q Barrel (cfs)	167.25	Culv Vel DS (ft/s)	9.78		
E.G. US. (ft)	968.56	Culv Inv El Up (ft)	964.38		
W.S. US. (ft)	968.4	Culv Inv El Dn (ft)	963.99		
E.G. DS (ft)	966.62	Culv Frctn Ls (ft)	0.34		
W.S. DS (ft)	966.24	Culv Exit Loss (ft)	0.99		
Delta EG (ft)	1.93	Culv Entr Loss (ft)	0.6		
Delta WS (ft)	2.16	Q Weir (cfs)			
E.G. IC (ft)	968.52	Weir Sta Lft (ft)			
E.G. OC (ft)	968.56	Weir Sta Rgt (ft)			
Culvert Control	Outlet	Weir Submerg			
Culv WS Inlet (ft)	966.77	Weir Max Depth (ft)			
Culv WS Outlet (ft)	966.13	Weir Avg Depth (ft)			
Culv Nml Depth (ft)	2.1	Weir Flow Area (sq ft)			
Culv Crt Depth (ft)	2.39	Min El Weir Flow (ft)	970.41		

Plan: PROP	River 1	Reach 1	RS: 1015	Culv Group: Group #1	Profile: 1% AEP
Q Culv Group (cfs)	1049	Culv Full Len (ft)			
# Barrels	4	Culv Vel US (ft/s)	10.18		
Q Barrel (cfs)	262.25	Culv Vel DS (ft/s)	11.15		
E.G. US. (ft)	970.13	Culv Inv El Up (ft)	964.38		
W.S. US. (ft)	969.99	Culv Inv El Dn (ft)	963.99		
E.G. DS (ft)	967.19	Culv Frctn Ls (ft)	0.35		
W.S. DS (ft)	966.64	Culv Exit Loss (ft)	1.67		
Delta EG (ft)	2.93	Culv Entr Loss (ft)	0.92		
Delta WS (ft)	3.35	Q Weir (cfs)			
E.G. IC (ft)	970.13	Weir Sta Lft (ft)			
E.G. OC (ft)	970.02	Weir Sta Rgt (ft)			
Culvert Control	Inlet	Weir Submerg			
Culv WS Inlet (ft)	967.6	Weir Max Depth (ft)			
Culv WS Outlet (ft)	966.93	Weir Avg Depth (ft)			
Culv Nml Depth (ft)	2.88	Weir Flow Area (sq ft)			
Culv Crt Depth (ft)	3.22	Min El Weir Flow (ft)	970.41		

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach 1	2715	4% AEP	EXIST	384	988.61	989.54	989.54	989.81	0.026863	5.14	106.37	205.45	1.03
Reach 1	2715	4% AEP	PROP	384	988.61	989.54	989.54	989.81	0.026863	5.14	106.37	205.45	1.03
Reach 1	2715	1% AEP	EXIST	603	988.61	989.75	989.75	990.07	0.02451	5.76	151.85	232.12	1.02
Reach 1	2715	1% AEP	PROP	603	988.61	989.75	989.75	990.07	0.02451	5.76	151.85	232.12	1.02
Reach 1	2556	4% AEP	EXIST	384	986.48	988.12		988.19	0.003478	2.66	193.41	206.13	0.41
Reach 1	2556	4% AEP	PROP	384	986.48	988.11		988.19	0.003512	2.67	193.13	211.16	0.41
Reach 1	2556	1% AEP	EXIST	603	986.48	988.42	987.83	988.52	0.003945	3.24	265.21	261.38	0.45
Reach 1	2556	1% AEP	PROP	603	986.48	988.41	987.83	988.51	0.003962	3.24	264.56	260.57	0.45
Reach 1	2492	4% AEP	EXIST	384	986.48	987.38	987.38	987.67	0.025268	4.95	97.05	173.16	1
Reach 1	2492	4% AEP	PROP	384	986.48	987.38	987.38	987.67	0.024485	4.9	98.45	181.43	0.98
Reach 1	2492	1% AEP	EXIST	603	986.48	987.6	987.6	987.96	0.02395	5.71	138.51	199.85	1.01
Reach 1	2492	1% AEP	PROP	603	986.48	987.6	987.6	987.95	0.023914	5.69	141.32	220.99	1.01
Reach 1	2480	4% AEP	EXIST	384	982.46	985.99		986.19	0.002627	3.55	108.02	41.2	0.39
Reach 1	2480	4% AEP	PROP	384	982.46	985.99		986.19	0.002628	3.56	108.01	41.2	0.39
Reach 1	2480	1% AEP	EXIST	603	982.46	987.43		987.56	0.001334	3.04	246.3	189.11	0.29
Reach 1	2480	1% AEP	PROP	603	982.46	987.43		987.56	0.001337	3.05	245.98	188.99	0.29
Reach 1	2464	4% AEP	EXIST	384	982.38	985.96	984.41	986.15	0.002501	3.49	109.9	41.45	0.38
Reach 1	2464	4% AEP	PROP	384	982.38	985.96	984.4	986.15	0.002502	3.49	109.89	41.45	0.38
Reach 1	2464	1% AEP	EXIST	603	982.38	987.35	985.03	987.53	0.001732	3.43	182.75	114.35	0.33
Reach 1	2464	1% AEP	PROP	603	982.38	987.36	985.02	987.53	0.001664	3.36	195.69	114.89	0.32
Reach 1	2425 DMCulvert1			Culvert									
Reach 1	2378	4% AEP	EXIST	384	982.57	984.21	983.93	984.6	0.011563	5.04	76.18	53.27	0.74
Reach 1	2378	4% AEP	PROP	384	981.44	983.89	983.43	984.35	0.00951	5.45	70.41	37.43	0.7
Reach 1	2378	1% AEP	EXIST	603	982.57	984.81		985.28	0.009339	5.51	109.53	56.98	0.7
Reach 1	2378	1% AEP	PROP	603	981.44	984.53	984.03	985.14	0.009893	6.31	95.54	41.93	0.74
Reach 1	2116	4% AEP	EXIST	384	978.34	980.59	980.39	981.23	0.01455	6.4	59.99	34.52	0.86
Reach 1	2116	4% AEP	PROP	384	978	980	980	980.81	0.020721	7.24	53.04	33.04	1.01
Reach 1	2116	1% AEP	EXIST	603	978.34	981.07	980.99	982.02	0.017372	7.83	77.04	37.35	0.96
Reach 1	2116	1% AEP	PROP	603	978	980.61	980.61	981.63	0.019283	8.09	74.54	37.15	1.01
Reach 1	1882	4% AEP	EXIST	384	975.14	976.4	976.4	976.89	0.024086	5.62	68.38	70.91	1.01
Reach 1	1882	4% AEP	PROP	384	974.9	977.58	976.9	977.97	0.007086	4.99	76.99	37.36	0.61
Reach 1	1882	1% AEP	EXIST	603	975.14	976.74	976.74	977.39	0.021958	6.46	93.4	73.23	1.01
Reach 1	1882	1% AEP	PROP	603	974.9	978.28	977.52	978.79	0.007389	5.78	104.39	41.83	0.64
Reach 1	1683	4% AEP	EXIST	384	972.81	975.06		975.14	0.001417	2.18	176.53	90.45	0.27
Reach 1	1683	4% AEP	PROP	384	972.88	974.88	974.88	975.69	0.020712	7.22	53.15	33.22	1.01
Reach 1	1683	1% AEP	EXIST	603	972.81	975.64		975.74	0.00154	2.63	229.19	93.8	0.3
Reach 1	1683	1% AEP	PROP	603	972.88	975.49	975.49	976.5	0.019281	8.08	74.62	37.25	1.01

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERTS 2 & 2B
STA 86+10

SHEET 1 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	185

USER: ClayGann
DATE: 10/25/2024 8:37:14 AM
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Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach 1	1462	4% AEP	EXIST	656	971.01	974.86		974.92	0.000824	2.13	347.15	194.49	0.22
Reach 1	1462	4% AEP	PROP	656	971.8	974.01	974.01	974.82	0.001767	7.26	91.87	65.71	0.99
Reach 1	1462	1% AEP	EXIST	1031	971.01	975.37		975.46	0.001139	2.8	457.76	229.81	0.27
Reach 1	1462	1% AEP	PROP	1031	971.8	974.62	974.62	975.66	0.001574	8.22	136.14	88.41	0.98
Reach 1	1430	4% AEP	PROP	656	966.99	970.77	969.57	971.21	0.000442	5.31	123.48	40.65	0.54
Reach 1	1430	1% AEP	PROP	1031	966.99	973	970.39	973.33	0.000183	4.62	227.96	56.76	0.37
Reach 1	1422	4% AEP	EXIST	656	970.78	974.85	972.1	974.89	0.000337	1.65	479.17	273.67	0.15
Reach 1	1422	1% AEP	EXIST	1031	970.78	975.37	972.56	975.42	0.000453	2.09	640.95	326.17	0.18
Reach 1	1399 DMCulvert2			Culvert									
Reach 1	1376	4% AEP	EXIST	656	970.28	974.06		974.09	0.000541	1.83	478.54	277.34	0.18
Reach 1	1376	1% AEP	EXIST	1031	970.28	974.35		974.41	0.000865	2.45	560.7	291.89	0.24
Reach 1	1370	4% AEP	EXIST	656	970.16	974.06	972.19	974.09	0.000435	1.66	522.29	284.73	0.16
Reach 1	1370	1% AEP	EXIST	1031	970.16	974.35	972.55	974.4	0.000707	2.24	607.26	299.15	0.21
Reach 1	1355 Driveway			Culvert									
Reach 1	1339	4% AEP	EXIST	656	969.47	971.85	971.85	972.35	0.018385	6.05	123.96	134.91	0.93
Reach 1	1339	1% AEP	EXIST	1031	969.47	972.27	972.27	972.81	0.014411	6.44	193.26	179.3	0.86
Reach 1	1282	4% AEP	EXIST	669	968.43	970.59	970.59	971.21	0.021702	6.29	106.65	89.56	1
Reach 1	1282	4% AEP	PROP	669	966.34	969.27	969.27	970.38	0.018352	8.46	79.35	37.72	1
Reach 1	1282	1% AEP	EXIST	1049	968.43	971.15	971.15	971.78	0.014267	6.5	176.76	159.96	0.86
Reach 1	1282	1% AEP	PROP	1049	966.34	970.16	970.16	971.46	0.015123	9.22	117.85	50.31	0.95
Reach 1	1102	4% AEP	PROP	669	964.23	968.4	966.49	968.55	0.001818	3.19	216.99	84.99	0.33
Reach 1	1102	1% AEP	PROP	1049	964.23	969.99	967.14	970.12	0.001005	3.02	367.5	103.71	0.26
Reach 1	1101	4% AEP	EXIST	669	964.23	969.3	966.61	969.41	0.001049	2.65	252.92	170.01	0.26
Reach 1	1101	1% AEP	EXIST	1049	964.23	969.72	967.31	969.93	0.001812	3.67	285.57	187.66	0.34
Reach 1	963	4% AEP	EXIST	669	966.98	969.15	968.3	969.21	0.001729	2.33	355.7	276.98	0.3
Reach 1	963	1% AEP	EXIST	1049	966.98	969.54	968.56	969.63	0.002019	2.86	472.28	323.63	0.34
Reach 1	926 XCulvert7			Culvert									
Reach 1	907	4% AEP	EXIST	669	964.52	967.05	966.99	967.43	0.019931	4.99	134.64	149.08	0.91
Reach 1	907	4% AEP	PROP	669	963.56	966.24		966.62	0.006338	5.07	145.53	118.89	0.59
Reach 1	907	1% AEP	EXIST	1049	964.52	967.32	967.32	967.86	0.021219	6.1	178.8	179.55	0.98
Reach 1	907	1% AEP	PROP	1049	963.56	966.64		967.19	0.007835	6.27	194.16	129.6	0.68
Reach 1	771	4% AEP	EXIST	669	963.72	965.26		965.51	0.010137	4.67	170.22	163.95	0.7
Reach 1	771	4% AEP	PROP	669	963.72	965.26		965.51	0.010137	4.67	170.22	163.95	0.7
Reach 1	771	1% AEP	EXIST	1049	963.72	965.64		965.96	0.009328	5.26	234.28	173.71	0.7
Reach 1	771	1% AEP	PROP	1049	963.72	965.64		965.96	0.009333	5.26	234.23	173.71	0.7
Reach 1	734	4% AEP	EXIST	669	959.79	964.99		965.2	0.00682	4.27	192.64	170.9	0.58
Reach 1	734	4% AEP	PROP	669	959.79	964.99		965.2	0.00682	4.27	192.64	170.9	0.58
Reach 1	734	1% AEP	EXIST	1049	959.79	965.4		965.66	0.006402	4.79	266.65	186.29	0.58
Reach 1	734	1% AEP	PROP	1049	959.79	965.4		965.66	0.006411	4.79	266.54	186.28	0.58
Reach 1	689	4% AEP	EXIST	669	962.78	964.18	964.18	964.66	0.023609	5.66	120.13	153.98	1
Reach 1	689	4% AEP	PROP	669	962.78	964.18	964.18	964.66	0.023618	5.66	120.12	153.97	1
Reach 1	689	1% AEP	EXIST	1049	962.78	964.53	964.53	965.15	0.022013	6.23	166.3	176.63	1
Reach 1	689	1% AEP	PROP	1049	962.78	964.53	964.53	965.15	0.021935	6.22	166.51	176.73	1
Reach 1	602	4% AEP	EXIST	669	960.66	962.72		963.03	0.012196	5.61	160.17	169.65	0.78
Reach 1	602	4% AEP	PROP	669	960.66	962.72		963.03	0.012196	5.61	160.17	169.65	0.78
Reach 1	602	1% AEP	EXIST	1049	960.66	963.13		963.48	0.010085	5.93	234.98	196.59	0.74
Reach 1	602	1% AEP	PROP	1049	960.66	963.13		963.48	0.010085	5.93	234.98	196.59	0.74
Reach 1	540	4% AEP	EXIST	669	959.16	962.39		962.56	0.004412	4.15	215.22	178.8	0.49
Reach 1	540	4% AEP	PROP	669	959.16	962.39		962.56	0.004412	4.15	215.22	178.8	0.49
Reach 1	540	1% AEP	EXIST	1049	959.16	962.81		963.03	0.004592	4.76	302.29	230.25	0.51
Reach 1	540	1% AEP	PROP	1049	959.16	962.81		963.03	0.004592	4.76	302.29	230.25	0.51
Reach 1	496	4% AEP	EXIST	669	957.89	961.76	961.76	962.23	0.011213	6.84	142.86	151.43	0.78
Reach 1	496	4% AEP	PROP	669	957.89	961.76	961.76	962.23	0.011213	6.84	142.86	151.43	0.78
Reach 1	496	1% AEP	EXIST	1049	957.89	962.1	962.1	962.68	0.012281	7.83	197.63	168.92	0.83
Reach 1	496	1% AEP	PROP	1049	957.89	962.1	962.1	962.68	0.012281	7.83	197.63	168.92	0.83
Reach 1	450	4% AEP	EXIST	669	957.7	960.91	960.91	961.3	0.011101	6.38	163.58	195.68	0.77
Reach 1	450	4% AEP	PROP	669	957.7	960.91	960.91	961.3	0.011101	6.38	163.58	195.68	0.77
Reach 1	450	1% AEP	EXIST	1049	957.7	961.19	961.19	961.67	0.012381	7.31	220	212.46	0.83
Reach 1	450	1% AEP	PROP	1049	957.7	961.19	961.19	961.67	0.012381	7.31	220	212.46	0.83
Reach 1	301	4% AEP	EXIST	669	955.43	957.06	957.06	957.46	0.019496	6.18	138.6	163.3	0.95
Reach 1	301	4% AEP	PROP	669	955.43	957.06	957.06	957.46	0.019496	6.18	138.6	163.3	0.95
Reach 1	301	1% AEP	EXIST	1049	955.43	957.34	957.34	957.86	0.019524	6.82	186.22	169.17	0.98
Reach 1	301	1% AEP	PROP	1049	955.43	957.34	957.34	957.86	0.019524	6.82	186.22	169.17	0.98
Reach 1	174	4% AEP	EXIST	669	954.16	954.72	954.65	955.05	0.015765	2.4	152.65	187.73	0.7
Reach 1	174	4% AEP	PROP	669	954.16	954.72	954.65	955.05	0.015765	2.4	152.65	187.73	0.7
Reach 1	174	1% AEP	EXIST	1049	954.16	955.07	954.96	955.44	0.01438	3.56	221.94	215.07	0.74
Reach 1	174	1% AEP	PROP	1049	954.16	955.07	954.96	955.44	0.01438	3.56	221.94	215.07	0.74
Reach 1	18	4% AEP	EXIST	669	950.24	952.25	952.1	952.65	0.015012	5.59	136.43	137	0.84
Reach 1	18	4% AEP	PROP	669	950.24	952.25	952.1	952.65	0.015012	5.59	136.43	137	0.84
Reach 1	18	1% AEP	EXIST	1049	950.24	952.62	952.52	953.14	0.015003	6.54	189.96	165.23	0.88
Reach 1	18	1% AEP	PROP	1049	950.24	952.62	952.52	953.14	0.015003	6.54	189.96	165.23	0.88

Plan: PROP	River 1	Reach 1	RS: 1399	Culv Group:	Group #1	Profile: 4% AEP
Q Culv Group (cfs)		656	Culv Full Len (ft)			
# Barrels		4	Culv Vel US (ft/s)			9.1
Q Barrel (cfs)		164	Culv Vel DS (ft/s)			10.42
E.G. US. (ft)		971.21	Culv Inv El Up (ft)			966.99
W.S. US. (ft)		970.77	Culv Inv El Dn (ft)			966.51
E.G. DS (ft)		970.38	Culv Frctn Ls (ft)			0.41
W.S. DS (ft)		969.27	Culv Exit Loss (ft)			0.07
Delta EG (ft)		0.83	Culv Entr Loss (ft)			0.36
Delta WS (ft)		1.5	Q Weir (cfs)			
E.G. IC (ft)		971.21	Weir Sta Lft (ft)			
E.G. OC (ft)		971.11	Weir Sta Rgt (ft)			
Culvert Control		Inlet	Weir Submerg			
Culv WS Inlet (ft)		969.56	Weir Max Depth (ft)			
Culv WS Outlet (ft)		968.76	Weir Avg Depth (ft)			
Culv Nml Depth (ft)		2.19	Weir Flow Area (sq ft)			
Culv Crt Depth (ft)		2.57	Min El Weir Flow (ft)			975.01

Plan: PROP	River 1	Reach 1	RS: 1399	Culv Group:	Group #1	Profile: 1% AEP
Q Culv Group (cfs)		1031	Culv Full Len (ft)			
# Barrels		4	Culv Vel US (ft/s)			9.21
Q Barrel (cfs)		257.75	Culv Vel DS (ft/s)			14.29
E.G. US. (ft)		973.33	Culv Inv El Up (ft)			966.99
W.S. US. (ft)		973	Culv Inv El Dn (ft)			966.51
E.G. DS (ft)		971.46	Culv Frctn Ls (ft)			0.8
W.S. DS (ft)		970.16	Culv Exit Loss (ft)			0.8
Delta EG (ft)		1.87	Culv Entr Loss (ft)			0.26
Delta WS (ft)		2.84	Q Weir (cfs)			
E.G. IC (ft)		973.33	Weir Sta Lft (ft)			
E.G. OC (ft)		972.56	Weir Sta Rgt (ft)			
Culvert Control		Inlet	Weir Submerg			
Culv WS Inlet (ft)		970.99	Weir Max Depth (ft)			
Culv WS Outlet (ft)		969.09	Weir Avg Depth (ft)			
Culv Nml Depth (ft)		3.03	Weir Flow Area (sq ft)			
Culv Crt Depth (ft)		3.48	Min El Weir Flow (ft)			975.01

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERTS 2 & 2B
STA 86+10

SHEET 2 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	186

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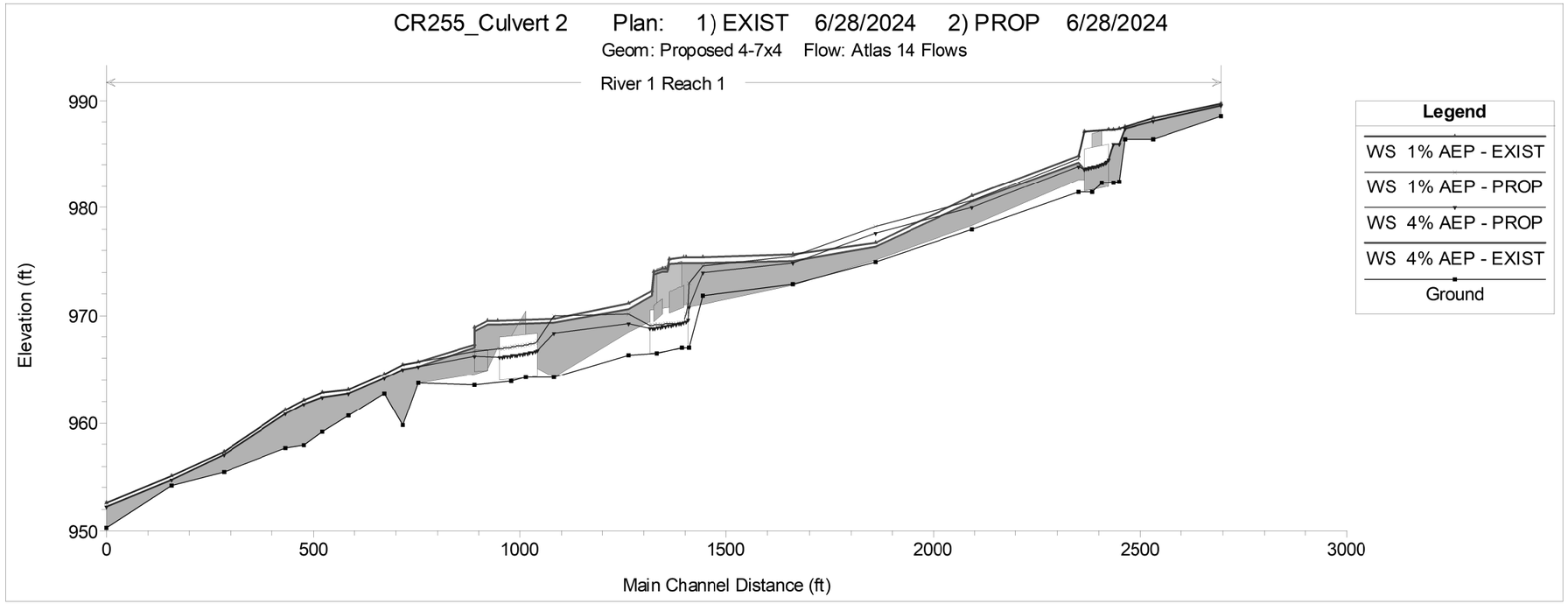

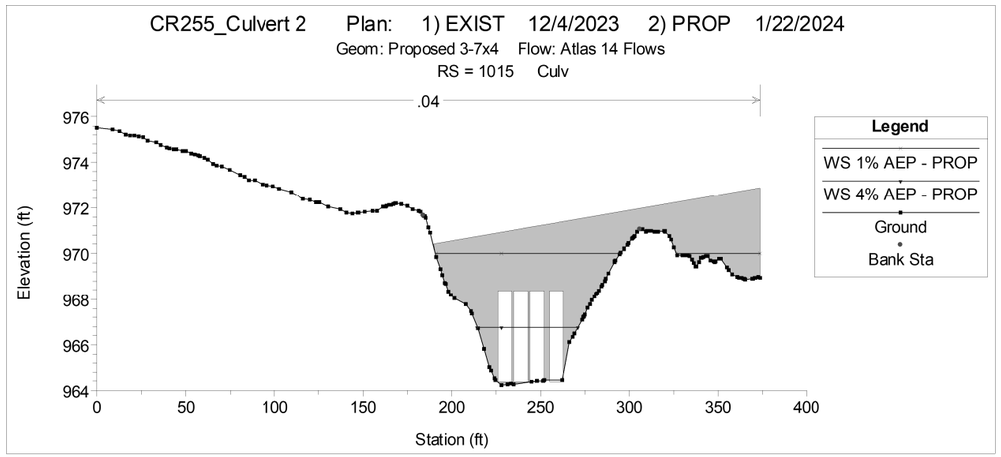

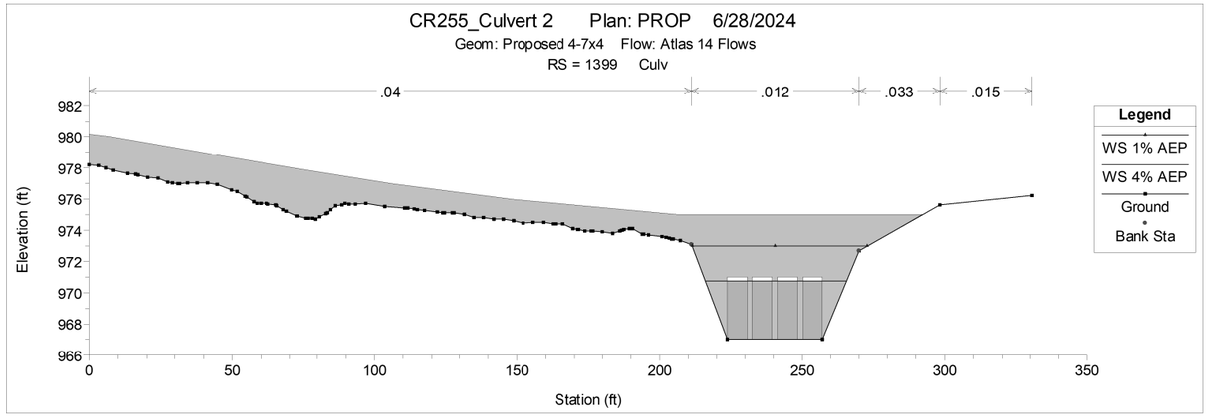

NOTES:

1. CULVERTS WERE MODELED USING HEC-RAS VERSION 6.4.
2. HYDROLOGY FOR ALL BRIDGE-CLASS CROSSINGS WERE COMPUTED BASED ON THE NRCS UH METHOD WITH RAINFALL DEPTHS GATHERED FROM THE NOAA PRECIPITATION FREQUENCY SERVER FOR ATLAS 14.
3. HEC-HMS 4.11 WAS USED TO COMPUTE PEAK FLOWS.
4. REFER TO THE CR 255 DRAINAGE REPORT FOR SOILS INFORMATION.
5. A CURVE NUMBER ADJUSTMENT FACTOR OF -15 WAS APPLIED TO ALL COMPUTED CN VALUES EXCEPT FOR AREAS THAT REPRESENT IMPERVIOUS COVER.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

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DEPARTMENT OF INFRASTRUCTURE

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CLGANN, LLC
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Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERTS 2 & 2B
STA 86+10

SHEET 3 OF 3

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	187

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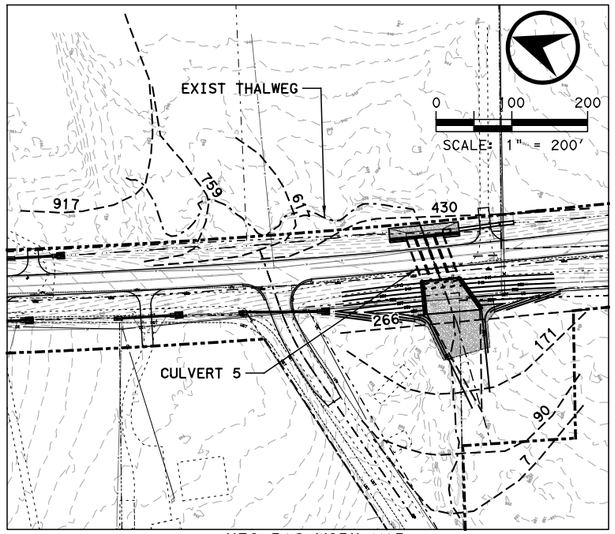

HEC RAS WORK MAP

Plan: PROP River 1 Reach 1 RS: 356 Culv Group: Group #1 Profile: 4% AEP			
Q Culv Group (cfs)	994	Culv Full Len (ft)	
# Barrels	4	Culv Vel US (ft/s)	9.28
Q Barrel (cfs)	248.5	Culv Vel DS (ft/s)	10.66
E.G. US. (ft)	939.03	Culv Inv El Up (ft)	934.34
W.S. US. (ft)	939.8	Culv Inv El Dn (ft)	934.04
E.G. DS (ft)	937.07	Culv Frctn Ls (ft)	0.22
W.S. DS (ft)	936.78	Culv Exit Loss (ft)	1.07
Delta EG (ft)	1.95	Culv Entr Loss (ft)	0.67
Delta WS (ft)	3.02	Q Weir (cfs)	
E.G. IC (ft)	938.67	Weir Sta Lft (ft)	
E.G. OC (ft)	939.03	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	937.02	Weir Max Depth (ft)	
Culv WS Outlet (ft)	936.37	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.17	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.68	Min El Weir Flow (ft)	943.87

Plan: PROP River 1 Reach 1 RS: 356 Culv Group: Group #1 Profile: 1% AEP			
Q Culv Group (cfs)	1560	Culv Full Len (ft)	
# Barrels	4	Culv Vel US (ft/s)	9.75
Q Barrel (cfs)	390	Culv Vel DS (ft/s)	13.65
E.G. US. (ft)	940.87	Culv Inv El Up (ft)	934.34
W.S. US. (ft)	940.25	Culv Inv El Dn (ft)	934.04
E.G. DS (ft)	937.88	Culv Frctn Ls (ft)	0.34
W.S. DS (ft)	937.42	Culv Exit Loss (ft)	1.92
Delta EG (ft)	2.99	Culv Entr Loss (ft)	0.74
Delta WS (ft)	2.83	Q Weir (cfs)	
E.G. IC (ft)	940.87	Weir Sta Lft (ft)	
E.G. OC (ft)	940.67	Weir Sta Rgt (ft)	
Culvert Control	Inlet	Weir Submerg	
Culv WS Inlet (ft)	938.34	Weir Max Depth (ft)	
Culv WS Outlet (ft)	936.9	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.97	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	3.62	Min El Weir Flow (ft)	943.87

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach 1	917	4% AEP	EXIST	994	942.6	945.52		945.82	0.006441	5.37	256.08	196.22	0.61
Reach 1	917	4% AEP	PROP	994	942.6	945.52		945.82	0.006441	5.37	256.09	196.22	0.61
Reach 1	917	1% AEP	EXIST	1560	942.6	946.01		946.37	0.006422	6.07	363.1	234.4	0.63
Reach 1	917	1% AEP	PROP	1560	942.6	946.01		946.37	0.006422	6.07	363.1	234.4	0.63
Reach 1	759	4% AEP	EXIST	994	941.28	944.1	944.1	944.68	0.013143	7.04	182.08	154.59	0.85
Reach 1	759	4% AEP	PROP	994	941.28	944.1	944.1	944.68	0.013143	7.04	182.08	154.59	0.85
Reach 1	759	1% AEP	EXIST	1560	941.28	944.48	944.45	945.25	0.014641	8.29	246.87	191	0.92
Reach 1	759	1% AEP	PROP	1560	941.28	944.48	944.45	945.25	0.014641	8.29	246.87	191	0.92
Reach 1	617	4% AEP	EXIST	994	938.52	942.36	942.36	942.99	0.012334	8.1	223.7	182.85	0.85
Reach 1	617	4% AEP	PROP	994	938.52	942.36	942.36	942.99	0.012287	8.09	224.06	183.04	0.85
Reach 1	617	1% AEP	EXIST	1560	938.52	942.88	942.88	943.58	0.011976	8.95	329.87	222.21	0.87
Reach 1	617	1% AEP	PROP	1560	938.52	942.88	942.88	943.58	0.011976	8.95	329.87	222.21	0.87
Reach 1	430	4% AEP	EXIST	994	937.31	939.95	939.8	940.44	0.011192	6.36	222.37	186.32	0.78
Reach 1	430	4% AEP	PROP	994	937.31	939.8	939.8	940.33	0.013177	6.58	188.18	176.05	0.84
Reach 1	430	1% AEP	EXIST	1560	937.31	940.38	940.27	941.05	0.012556	7.64	308.05	207.83	0.85
Reach 1	430	1% AEP	PROP	1560	937.31	940.25	940.25	940.89	0.012656	7.42	266.6	202.97	0.85
Reach 1	359	4% AEP	EXIST	994	935.43	939.69	939.11	939.92	0.003742	4.6	295.13	206.99	0.48
Reach 1	359	1% AEP	EXIST	1560	935.43	940.01	939.58	940.39	0.005572	6.03	367.95	250.35	0.59
Reach 1	332 Culvert 5			Culvert									
Reach 1	295	4% AEP	EXIST	994	934.49	938.24	938.04	938.84	0.012497	8.04	253.15	151.94	0.86
Reach 1	295	1% AEP	EXIST	1560	934.49	938.95	938.84	939.62	0.011284	8.91	403.31	247.98	0.85
Reach 1	266	4% AEP	EXIST	994	934.57	938.01	937.88	938.45	0.009441	7.13	290.12	170.09	0.75
Reach 1	266	4% AEP	PROP	994	933.73	936.78	935.74	937.07	0.00366	4.36	232.64	113.8	0.47
Reach 1	266	1% AEP	EXIST	1560	934.57	938.8	938.16	939.24	0.007567	7.54	444.68	217.62	0.7
Reach 1	266	1% AEP	PROP	1560	933.73	937.42	936.33	937.88	0.004333	5.46	291.4	142.21	0.53
Reach 1	171	4% AEP	EXIST	994	933.7	936.03	936.03	936.93	0.025256	8.55	158.19	142.44	1.14
Reach 1	171	4% AEP	PROP	994	933.26	935.83	935.55	936.37	0.016766	6.63	215.49	135.89	0.82
Reach 1	171	1% AEP	EXIST	1560	933.7	936.68	936.68	937.87	0.022108	9.86	217.77	163.04	1.12
Reach 1	171	1% AEP	PROP	1560	933.26	936.35	936.16	937.09	0.017474	7.88	290.31	152.58	0.87
Reach 1	90	4% AEP	EXIST	994	932.19	935.36	934.43	935.69	0.007788	6.08	315.76	244.31	0.67
Reach 1	90	4% AEP	PROP	994	932.19	935.21	934.38	935.43	0.006776	5.43	393.08	234.03	0.62
Reach 1	90	1% AEP	EXIST	1560	932.19	936.06	935.05	936.5	0.007926	7.21	434.01	287.43	0.71
Reach 1	90	1% AEP	PROP	1560	932.19	935.85	934.94	936.12	0.006307	6.15	557.31	276.83	0.62
Reach 1	7	4% AEP	EXIST	994	931.8	935.04	933.38	935.1	0.005005	2.08	522.09	302.28	0.22
Reach 1	7	4% AEP	PROP	994	931.8	934.92	933.39	934.98	0.005001	2.02	563.21	296.36	0.22
Reach 1	7	1% AEP	EXIST	1560	931.8	935.8	933.77	935.88	0.005002	2.44	710.15	344.16	0.23
Reach 1	7	1% AEP	PROP	1560	931.8	935.6	933.78	935.68	0.005002	2.35	777.38	335.22	0.23

NOTES:

1. CULVERTS WERE MODELED USING HEC-RAS VERSION 6.4.
2. HYDROLOGY FOR ALL BRIDGE-CLASS CROSSINGS WERE COMPUTED BASED ON THE NRCS UH METHOD WITH RAINFALL DEPTHS GATHERED FROM THE NOAA PRECIPITATION FREQUENCY SERVER FOR ATLAS 14.
3. HEC-HMS 4.11 WAS USED TO COMPUTE PEAK FLOWS.
4. REFER TO THE CR 255 DRAINAGE REPORT FOR SOILS INFORMATION.
5. A CURVE NUMBER ADJUSTMENT FACTOR OF -15 WAS APPLIED TO ALL COMPUTED CN VALUES EXCEPT FOR AREAS THAT REPRESENT IMPERVIOUS COVER.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERT 5
STA 118+33

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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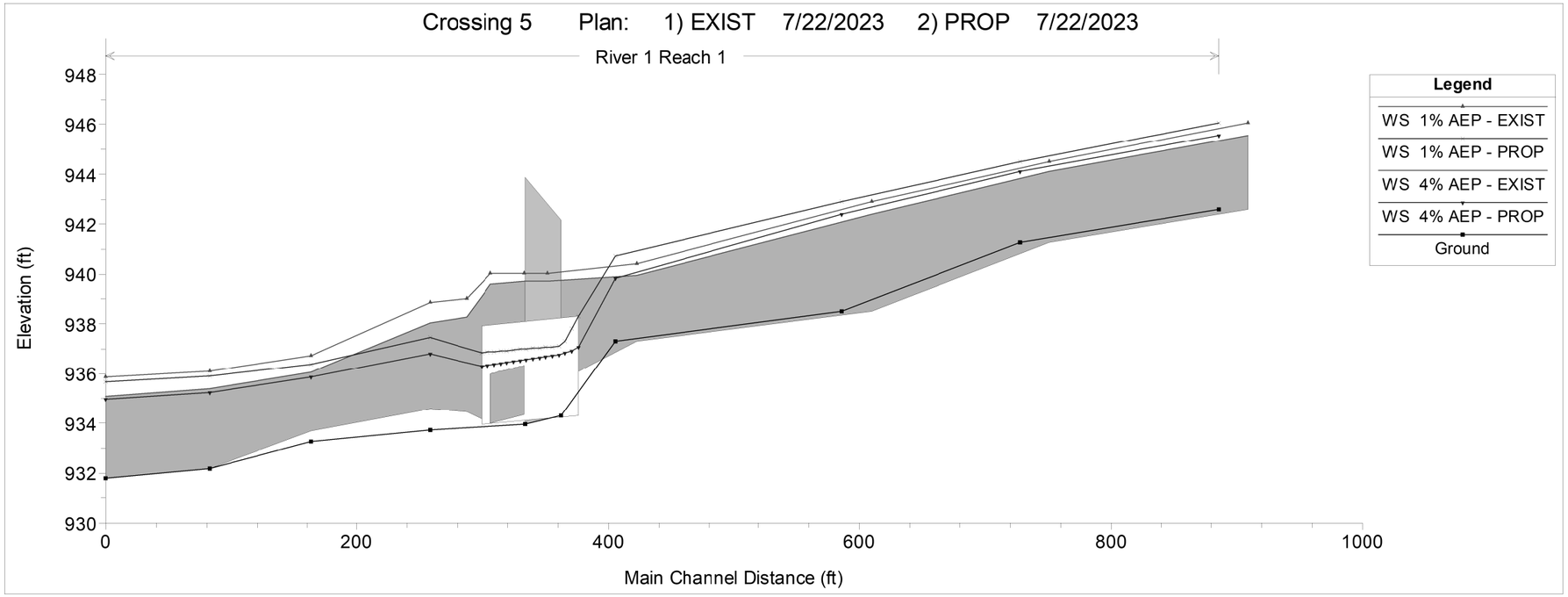

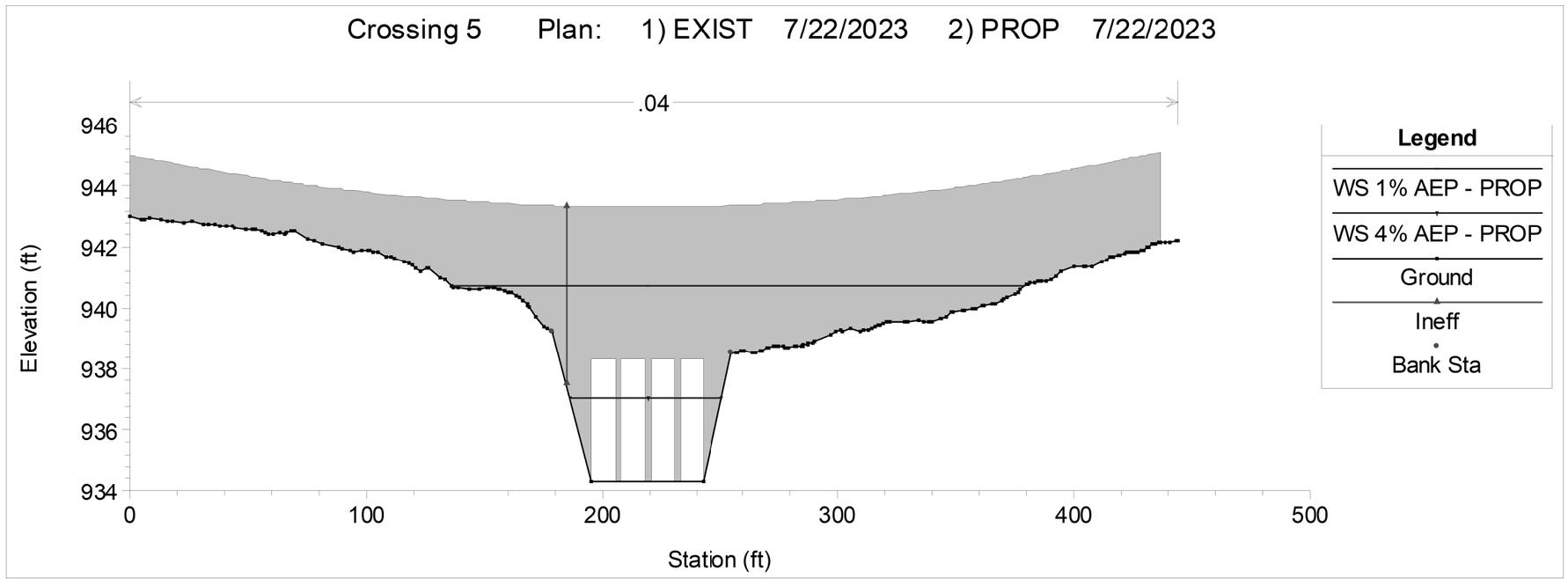

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TBPE Firm No. 20717

CR 255
HYDRAULIC DATA SHEET

BRIDGE-CLASS CULVERT 5
STA 118+33

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 3-PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
961.7	25	year	111	111	0
962.19	100	year	147	147	0
965.67	Overtopping	303.99	303.99	0	Overtopping

CULVERT NOTES

Allowable HW (Edge of Pavement) = 965.11 ft

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25	111	111	961.89	2.64	2.69	1-S1t	1.44	1.56	2.11	2.11	5.26	8.31	6.58	1.43
100	147	147	962.41	3.21	2.71	5-JS1t	1.76	1.89	2.34	2.34	6.27	8.92	7.31	1.45

ROADWAY DATA

Coord no.	Station(ft)	Elevation(ft)
0	0	967.24
1	244.95	965.67
2	399.1	966.23

Roadway Surface : Paved

Roadway Length : 28.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 959.20 ft,
Outlet Elevation (invert): 958.89 ft
Culvert Length: 61.00 ft,
Culvert Slope: 0.0051

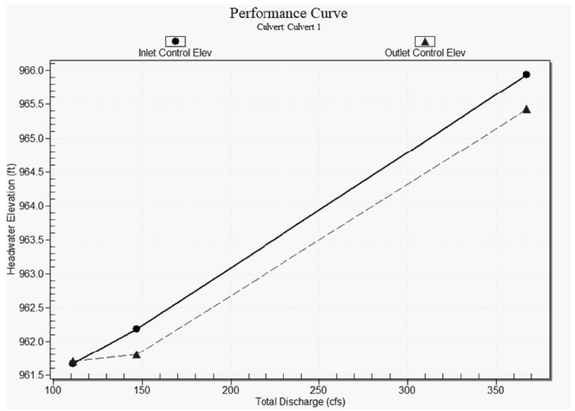
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 959.20 ft
Outlet Station: 61.00 ft
Outlet Elevation: 958.89 ft
Number of Barrels: 2

CULVERT DATA

Barrel Shape: Concrete Box
Barrel Span: 5.00 ft
Barrel Rise: 3.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Square Edge (90

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Triangular Channel
Side Slope (H:V): 3.00 (_:1)
Channel Slope: 0.0500
Channel Manning's n: 0.0400
Channel Invert Elevation: 958.89 ft

CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 4 - PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
956.96	25	81	81	0	1
957.96	100	105	105	0	1
959.13	Overtopping	124.9	124.9	0	Overtopping

CULVERT NOTES

Allowable HW (EDGE OF PVMT) = 958.58'

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25-YR	81	81	956.96	3.49	3.63	7-M2c	2.13	2.07	2.07	1.54	7.78	3.11	0.96	0.62
100-YR	105	105	957.96	4.63	4.32	7-M2c	3.00	2.36	2.36	1.70	8.82	3.32	1.06	0.64

ROADWAY DATA

Coord No.	Station(ft)	Elevation(ft)
0	0	961.26
1	129.3	959.6
2	244.3	959.13
3	431.4	959.59

Roadway Surface: Paved

Roadway Length: 28.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 953.33 ft,
Outlet Elevation (invert): 952.77 ft
Culvert Length: 111.48 ft,
Culvert Slope: 0.0050

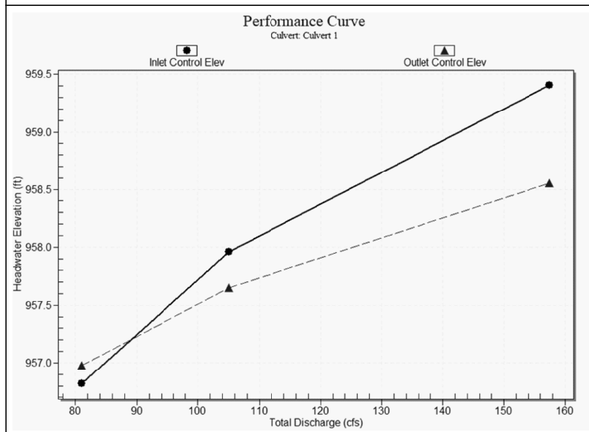
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 953.33 ft
Outlet Station: 111.48 ft
Outlet Elevation: 952.77 ft
Number of Barrels: 2

CULVERT DATA

Barrel Shape: Circular
Barrel Diameter: 3.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Mitered to Conform to Slope (Ke=0.7)
Inlet Depression: None

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Triangular Channel
Side Slope (H:V): 11.00 (_:1)
Channel Slope: 0.0100
Channel Manning's n: 0.0400
Channel Invert Elevation: 952.77 ft

HY-8 FLOW TYPES

Flow Type	Flow Control	Submerged Inlet	Submerged Outlet	Length Full	Loss Calc	Outlet Depth
1	Inlet	No	No	None	S2n	Normal
1	Inlet	No	No	None	S1t	Tailwater
1	Inlet	No	Yes	Part	S1f	Full
5	Inlet	Yes	No	None	S2n	Normal
5	Inlet	Yes	No	None	S1t	Tailwater
5	Inlet	Yes	Yes	Part	S1f	Full
2	Outlet	No	No	None	M2c	Critical
3	Outlet	No	No	None	M1t	Tailwater
3	Outlet	No	No	None	M2t	Tailwater
3	Outlet	No	Yes	Part	M1f	Full
4	Outlet	Yes	Yes	ALL	FFf	Full
6	Outlet	Yes	No	Most	FFt	Tailwater
6	Outlet	Yes	No	Most	FFc	Critical
7	Outlet	Yes	No	Part	M1t	Tailwater
7	Outlet	Yes	No	Part	M2t	Tailwater
7	Outlet	Yes	No	Part	M2c	Critical

CULVERT COMPUTATION NOTES:

1. ALL MINOR CULVERTS WERE ANALYZED AND DESIGNED USING HY-8 VERSION 7.80.
2. DESIGN STORM IS 25-YEAR.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

Clay E. Gann 10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE COMPUTATIONS
CULVERTS 3 & 4

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	190

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CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 6A - PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
947.41	25	111	111	0	1
948.29	100	145	145	0	1
948.57	Overtopping	154.38	154.38	OT	Overtopping

CULVERT NOTES

Allowable HW (EDGE OF PVMT) = 948.57 ft

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25 year	111	111	947.41	2.79	2.14	5-S2n	1.15	1.56	1.22	1.36	9.13	5.41	1.70	0.92
100 year	145	145	948.29	3.67	2.95	5-S2n	1.38	1.87	1.48	1.57	9.82	5.87	1.96	0.94

ROADWAY DATA

Coord No.	Station(ft)	Elevation(ft)
0	0	948.86
1	53.4	948.57
2	100	948.79

Roadway Surface: Paved

Roadway Length: 28.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 944.62 ft,
Outlet Elevation (invert): 944.04 ft
Culvert Length: 59.00 ft,
Culvert Slope: 0.0098

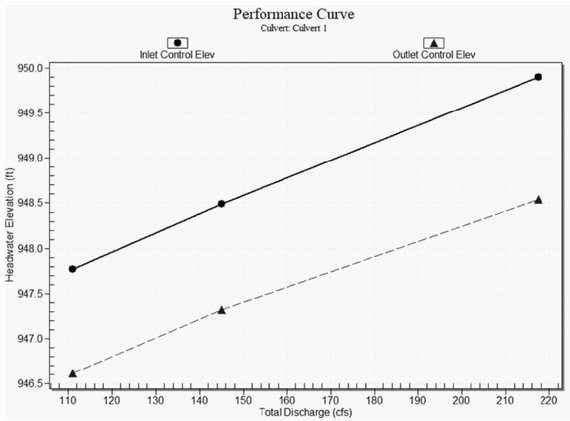
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 944.62 ft
Outlet Station: 59.00 ft
Outlet Elevation: 944.04 ft
Number of Barrels: 2

CULVERT DATA

Barrel Shape: Concrete Box
Barrel Span: 5.00 ft
Barrel Rise: 2.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Square Edge (90 deg)
Headwall (Ke=0.5)
Inlet Depression: None

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Trapezoidal Channel
Bottom Width: 11.00 ft
Side Slope (H:V): 3.00 (_:1)
Channel Slope: 0.0200
Channel Manning's n: 0.0400
Channel Invert Elevation: 944.04 ft

CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 6B-PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
944.3	25	128	128	0	1
944.93	100	167	167	0	1
945	Overtopping	171.47	171.47	OT	Overtopping

CULVERT NOTES

Culvert 6B
Allowable HW (EDGE OF PVMT)=945.00 ft

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25 year	128	128	944.3	2.91	2.21	1-JS1t	1.57	1.72	2.11	2.11	6.08	3.51	0.68	0.5
100 year	167	167	944.93	3.54	2.91	5-JS1t	1.90	2.05	2.42	2.42	6.91	3.78	0.78	0.51

ROADWAY DATA

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Coord No.	Station(ft)	Elevation(ft)
0	0	945.69
1	30.4	945
2	33.7	944.67
3	53.6	944.67
4	58.3	946.23

Roadway Surface: Gravel

Roadway Top Width: 4.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 941.39 ft,
Outlet Elevation (invert): 940.94 ft
Culvert Length: 85.00 ft,
Culvert Slope: 0.0053

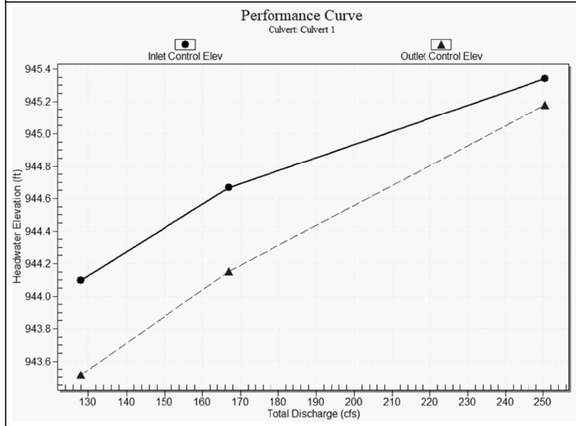
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 941.39 ft
Outlet Station: 85.00 ft
Outlet Elevation: 940.94 ft
Number of Barrels: 2

CULVERT DATA

Barrel Shape: Concrete Box
Barrel Span: 5.00 ft
Barrel Rise: 3.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Square Edge (90 deg)
Headwall (Ke=0.5)
Inlet Depression: None

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Trapezoidal Channel
Bottom Width: 11.00 ft
Side Slope (H:V): 3.00 (_:1)
Channel Slope: 0.0052
Channel Manning's n: 0.0400
Channel Invert Elevation: 940.94 ft

HY-8 FLOW TYPES

Flow Type	Flow Control	Submerged Inlet	Submerged Outlet	Length Full	Loss Calc	Outlet Depth
1	Inlet	No	No	None	S2n	Normal
1	Inlet	No	No	None	S1t	Tailwater
1	Inlet	No	Yes	Part	S1f	Full
5	Inlet	Yes	No	None	S2n	Normal
5	Inlet	Yes	No	None	S1t	Tailwater
5	Inlet	Yes	Yes	Part	S1f	Full
2	Outlet	No	No	None	M2c	Critical
3	Outlet	No	No	None	M1t	Tailwater
3	Outlet	No	No	None	M2t	Tailwater
3	Outlet	No	Yes	Part	M1f	Full
4	Outlet	Yes	Yes	ALL	FFf	Full
6	Outlet	Yes	No	Most	FFt	Tailwater
6	Outlet	Yes	No	Most	FFc	Critical
7	Outlet	Yes	No	Part	M1t	Tailwater
7	Outlet	Yes	No	Part	M2t	Tailwater
7	Outlet	Yes	No	Part	M2c	Critical

CULVERT COMPUTATION NOTES:

1. ALL MINOR CULVERTS WERE ANALYZED AND DESIGNED USING HY-8 VERSION 7.80.
2. DESIGN STORM IS 25-YEAR.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

Clay E. Gann 10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE COMPUTATIONS

CULVERTS 6A & 6B

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	191

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CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 7 - PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
939.84	25	year	92.4	92.4	0
941.08	100	year	120	120	0
942.04	Overtopping	137.85	137.85	0	Overtopping

CULVERT NOTES

Culvert 7
Allowable HW (EDGE OF PVMT) = 941.49 ft

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25 year	92.4	92.4	939.84	3.95	2.83	5-S2n	1.62	2.20	1.77	1.98	10.47	4.28	1.23	0.67
100 year	120	120	941.08	5.19	4.24	5-S2n	1.95	2.62	2.14	2.24	11.21	4.58	1.40	0.68

ROADWAY DATA

Coord No.	Station(ft)	Elevation(ft)
0	0	942.64
1	140.05	942.04
2	296.8	942.64

Roadway Surface: Paved
Roadway Length: 28.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 935.89 ft,
Outlet Elevation (invert): 935.36 ft
Culvert Length: 51.80 ft,
Culvert Slope: 0.0102

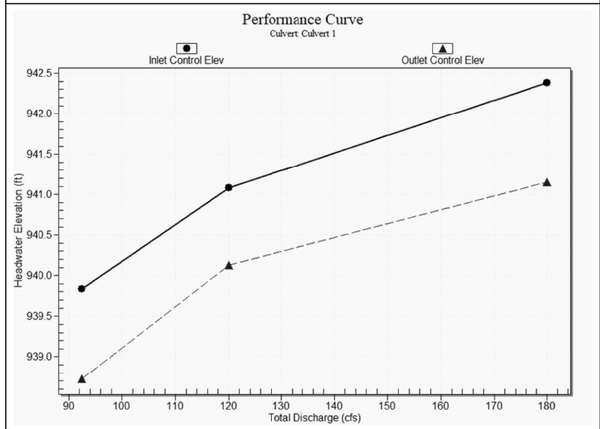
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 935.89 ft
Outlet Station: 51.80 ft
Outlet Elevation: 935.36 ft
Number of Barrels: 1

CULVERT DATA

Barrel Shape: Concrete Box
Barrel Span: 5.00 ft
Barrel Rise: 3.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Square Edge (0Â° flare)
Wingwall (Ke=0.7)
Inlet Depression: None

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Trapezoidal Channel
Bottom Width: 5.00 ft
Side Slope (H:V): 3.00 (_:1)
Channel Slope: 0.0100
Channel Manning's n: 0.0400
Channel Invert Elevation: 935.36 ft

CR 255 HY-8 CULVERT ANALYSIS REPORT

CULVERT 8 - PROPOSED CONDITIONS

SUMMARY OF CULVERT FLOWS AT CROSSING

HW Elev (ft)	Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	Rdwy Q (cfs)	Iterations
943.64	25	year	35.4	35.4	0
944.13	100	year	45.4	45.4	0
944.2	Overtopping	46.74	46.74	0	Overtopping

CULVERT NOTES

Allowable HW (EDGE OF PVMT) = 945.26 ft

CULVERT SUMMARY TABLE

Storm Freq.	Total Q (cfs)	Culvert Q (cfs)	HW Elev (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Crit Depth (ft)	Outlet Depth (ft)	TW Depth (ft)	Outlet Vel (ft/s)	TW Vel (ft/s)	Shear (psf)	Froude Number
25 year	35.4	35.4	943.64	2.11	1.83	5-JS1t	1.29	1.34	1.57	1.57	5.64	2.59	0.49	0.45
100 year	45.4	45.4	944.13	2.60	2.41	5-JS1t	1.54	1.59	1.76	1.76	6.43	2.77	0.55	0.46

ROADWAY DATA

Coord No	Station(ft)	Elevation(ft)
0	0	949.36
1	185.36	946.07
2	200.44	944.2
3	212.8	944.2
4	219.5	945.96

Roadway Surface: Paved
Roadway Top Width: 28.00 ft

Culvert Barrel Type Straight Culvert
Inlet Elevation (invert): 941.53 ft,
Outlet Elevation (invert): 941.19 ft
Culvert Length: 68.00 ft,
Culvert Slope: 0.0050

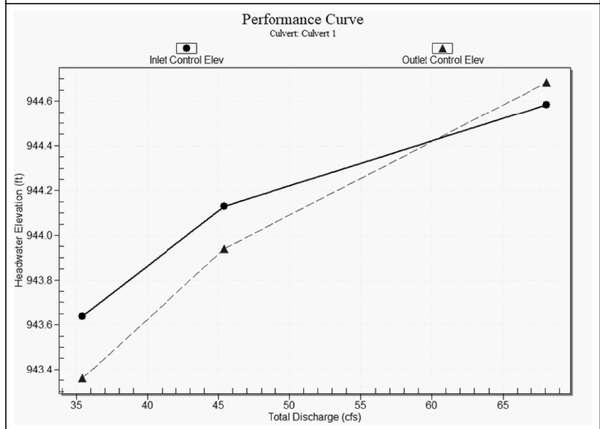
SITE DATA

Site Data Option: Culvert Invert Data
Inlet Station: 0.00 ft
Inlet Elevation: 941.53 ft
Outlet Station: 68.00 ft
Outlet Elevation: 941.19 ft
Number of Barrels: 1

CULVERT DATA

Barrel Shape: Concrete Box
Barrel Span: 4.00 ft
Barrel Rise: 2.00 ft
Barrel Material: Concrete
Embedment: 0.00 in
Barrel Manning's n: 0.0130
Culvert Type: Straight
Inlet Configuration: Square Edge (30-75Â° flare)
Wingwall (Ke=0.4)
Inlet Depression: None

PERFORMANCE CURVE



TAILWATER DATA

Tailwater Channel Option: Trapezoidal Channel
Bottom Width: 4.00 ft
Side Slope (H:V): 3.00 (_:1)
Channel Slope: 0.0050
Channel Manning's n: 0.0400
Channel Invert Elevation: 941.19 ft

HY-8 FLOW TYPES

Flow Type	Flow Control	Submerged Inlet	Submerged Outlet	Length Full	Loss Calc	Outlet Depth
1	Inlet	No	No	None	S2n	Normal
1	Inlet	No	No	None	S1t	Tailwater
1	Inlet	No	Yes	Part	S1f	Full
5	Inlet	Yes	No	None	S2n	Normal
5	Inlet	Yes	No	None	S1t	Tailwater
5	Inlet	Yes	Yes	Part	S1f	Full
2	Outlet	No	No	None	M2c	Critical
3	Outlet	No	No	None	M1t	Tailwater
3	Outlet	No	No	None	M2t	Tailwater
3	Outlet	No	Yes	Part	M1f	Full
4	Outlet	Yes	Yes	ALL	FFf	Full
6	Outlet	Yes	No	Most	FFt	Tailwater
6	Outlet	Yes	No	Most	FFc	Critical
7	Outlet	Yes	No	Part	M1t	Tailwater
7	Outlet	Yes	No	Part	M2t	Tailwater
7	Outlet	Yes	No	Part	M2c	Critical

CULVERT COMPUTATION NOTES:

1. ALL MINOR CULVERTS WERE ANALYZED AND DESIGNED USING HY-8 VERSION 7.80.
2. DESIGN STORM IS 25-YEAR.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE COMPUTATIONS
CULVERTS 7 & 8

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	192

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RUNOFF SUMMARY FOR DRAINAGE AREAS SMALLER THAN 200 ACRES USING THE RATIONAL METHOD

DRAINAGE AREA		SUBAREAS (AC)					COMPOSITE	TOTAL	TOTAL	INTENSITY	DISCHARGE
NO.	ACRES	SUBAREA 1			REMAINING AREA		C VALUE	CA	Tc	I(5)	Q(5)
		AREA (AC)	C	LAND USE	AREA (AC)	C			(MIN)	(IN/HR)	(CFS)
1A0	1.71	0.69	0.90	IMP	1.03	0.41	0.61	1.04	10.00	6.01	6.24
1A3	103.04	1.90	0.90	IMP	101.13	0.41	0.42	43.17	42.00	2.92	126
1A5	61.27	0.86	0.90	IMP	60.41	0.41	0.42	25.55	39.00	3.06	78.2
1B0	4.70	0.22	0.90	IMP	4.48	0.40	0.42	1.99	14.00	5.26	10.5
1B2	27.16	0.28	0.90	IMP	26.88	0.41	0.41	11.27	33.00	3.38	38.2
1C0	13.23	0.17	0.90	IMP	13.05	0.41	0.42	5.50	25.00	3.96	21.8
1C2	129.49	1.80	0.90	IMP	127.69	0.41	0.42	54.00	25.00	3.96	214
1C3	34.91	0.04	0.90	IMP	34.87	0.41	0.41	14.31	37.00	3.16	45.3
1D0	0.64	0.02	0.90	IMP	0.63	0.41	0.42	0.27	10.00	6.01	1.64
2A0	8.82	0.17	0.90	IMP	8.66	0.40	0.41	3.61	18.00	4.69	16.9
2A3	14.39	0.58	0.90	IMP	13.81	0.40	0.42	6.04	29.00	3.65	22.1
2A5	4.16	0.21	0.90	IMP	3.95	0.40	0.42	1.77	21.00	4.34	7.68
2A7	3.32	0.20	0.90	IMP	3.12	0.40	0.43	1.43	14.00	5.26	7.51
2A9	1.33	0.18	0.90	IMP	1.15	0.40	0.47	0.62	10.00	6.01	3.74
2B0	1.05	0.23	0.90	IMP	0.82	0.40	0.51	0.53	13.00	5.42	2.89
2C0	1.30	0.03	0.90	IMP	1.28	0.40	0.41	0.53	15.00	5.10	2.73
2C1	0.36	0.01	0.90	IMP	0.35	0.40	0.42	0.15	10.00	6.01	0.91
2C3	1.37	0.05	0.90	IMP	1.32	0.40	0.42	0.58	10.00	6.01	3.46
2C5	0.84	0.05	0.90	IMP	0.79	0.40	0.43	0.36	10.00	6.01	2.18
2C9	0.67	0.05	0.90	IMP	0.62	0.40	0.44	0.29	10.00	6.01	1.77
3A0	2.27	0.25	0.90	IMP	2.02	0.38	0.44	1.00	12.00	5.61	5.58
3A3	1.05	0.23	0.90	IMP	0.82	0.37	0.49	0.51	15.00	5.10	2.61
3B0	3.19	0.33	0.90	IMP	2.87	0.37	0.42	1.35	10.00	6.01	8.14
3C3	0.34	0.03	0.90	IMP	0.32	0.37	0.41	0.14	10.00	6.01	0.85
3C4	0.26	0.01	0.90	IMP	0.25	0.37	0.40	0.10	15.00	5.10	0.53
3D0	0.27	0.04	0.90	IMP	0.23	0.37	0.45	0.12	10.00	6.01	0.73
3D2	0.44	0.05	0.90	IMP	0.39	0.37	0.43	0.19	10.00	6.01	1.12
3D3	0.35	0.01	0.90	IMP	0.34	0.37	0.39	0.14	10.00	6.01	0.83
4A0	15.05	0.74	0.90	IMP	14.31	0.37	0.40	5.96	25.00	3.96	23.6
4B0	0.91	0.10	0.90	IMP	0.81	0.37	0.43	0.39	10.00	6.01	2.34
4C0	0.33	0.04	0.90	IMP	0.29	0.37	0.44	0.14	10.00	6.01	0.87
4C2	0.68	0.03	0.90	IMP	0.65	0.37	0.39	0.27	10.00	6.01	1.6
4D0	0.17	0.01	0.90	IMP	0.17	0.37	0.40	0.07	10.00	6.01	0.42
5A0	0.86	0.09	0.90	IMP	0.77	0.37	0.42	0.37	12.00	5.61	2.06
5A3	1.52	0.30	0.90	IMP	1.22	0.37	0.48	0.72	12.00	5.61	4.05
5B0	7.82	0.30	0.90	IMP	7.52	0.37	0.39	3.05	22.00	4.24	12.9
5B3	64.26	0.82	0.90	IMP	63.44	0.34	0.35	22.30	22.00	4.24	94.6
5C0	0.85	0.03	0.90	IMP	0.82	0.37	0.39	0.33	10.00	6.01	1.99
5C3	0.33	0.03	0.90	IMP	0.30	0.37	0.41	0.14	10.00	6.01	0.82
5C5	0.31	0.05	0.90	IMP	0.26	0.37	0.46	0.14	10.00	6.01	0.86
5C6	0.31	0.03	0.90	IMP	0.28	0.37	0.42	0.13	10.00	6.01	0.79
5D0	0.98				0.98	0.37	0.37	0.36	10.00	6.01	2.18
5D3	1.04	0.03	0.90	IMP	1.02	0.37	0.38	0.40	10.00	6.01	2.4
5D4	0.42	0.01	0.90	IMP	0.41	0.37	0.38	0.16	10.00	6.01	0.97
6A0	1.18	0.54	0.90	IMP	0.64	0.34	0.60	0.70	10.00	6.01	4.22
6A1	0.17	0.09	0.90	IMP	0.09	0.34	0.62	0.11	10.00	6.01	0.63
6B0	0.35	0.16	0.90	IMP	0.19	0.34	0.59	0.20	10.00	6.01	1.23
6C0	0.36	0.03	0.90	IMP	0.33	0.34	0.39	0.14	10.00	6.01	0.84
6C3	0.23	0.03	0.90	IMP	0.20	0.34	0.41	0.09	10.00	6.01	0.56
6C5	0.85	0.04	0.90	IMP	0.81	0.34	0.37	0.32	10.00	6.01	1.9
6D1	0.40	0.18	0.90	IMP	0.22	0.34	0.59	0.24	10.00	6.01	1.42
7A0	0.76	0.34	0.90	IMP	0.42	0.37	0.61	0.46	10.00	6.01	2.77
7B0	0.92	0.42	0.90	IMP	0.51	0.37	0.61	0.56	10.00	6.01	3.38
8A0	1.55	0.58	0.90	IMP	0.97	0.37	0.57	0.89	10.00	6.01	5.32
9A0	0.45	0.08	0.90	IMP	0.37	0.37	0.47	0.21	10.00	6.01	1.26
9A2	0.82	0.07	0.90	IMP	0.76	0.37	0.41	0.34	10.00	6.01	2.04
2A10	1.17	0.35	0.90	IMP	0.81	0.46	0.59	0.69	10.00	6.01	4.16
2C11	0.15	0.03	0.90	IMP	0.12	0.40	0.49	0.07	10.00	6.01	0.45
2C13	0.54	0.54	0.90	IMP	0.00	0.40	0.90	0.49	10.00	6.01	2.93
2C15	1.24	0.03	0.90	IMP	1.21	0.40	0.41	0.51	13.00	5.42	2.76
2C17	3.04	0.05	0.90	IMP	2.99	0.40	0.41	1.24	13.00	5.42	6.72
2C20	0.94	0.01	0.90	IMP	0.93	0.40	0.41	0.38	10.00	6.01	2.31

NOTES:

1. ALL PEAK FLOWS WERE COMPUTED USING GEOPAK DRAINAGE.
2. INTENSITIES WERE COMPUTED USING TXDOT'S ATLAS 14 SPREADSHEET (EBDLKUP-2019-VC6.2.10.XLSM) FOR WILLIAMSON COUNTY USING PARTIAL DURATION IN THE SAN GABRIEL RIVER ZONE

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE COMPUTATIONS

RUNOFF SUMMARY - 5 YR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	193

USER: ClayGann
DATE: 10/25/2024 8:38:14 AM
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FILE: c:\dgn\clay.gann\dms\18621\CR255_COMPS_R01.dgn

Cross Street Culvert Conveyance - 25 YR

Link I.D.	Node I.D. US	Node I.D. DS	Invert Elev US (ft)	Invert Elev DS (ft)	Soffit Elev US (ft)	Soffit Elev DS (ft)	Link Type	No. of Barrels	Span (ft)	Rise/Dia (ft)	Link Mtrl	Shape	Hyd Length (ft)	Slope (%)	Manning's "n"	H.G.L. US Elev (ft)	H.G.L. DS Elev (ft)	E.G.L. US Elev (ft)	E.G.L. DS Elev (ft)	Unif Depth (ft)	Unif Vel (ft/s)	Crit Depth (ft)	Crit Vel (ft/s)	Crit Slope (%)	Frictn Slope (%)	Actual Depth (ft)	Actual Vel (ft/s)	Total Q (cfs)	Link Capacity (cfs)	Junctn Loss (ft)
LINE 2C3	2C3	2C4	993.87	992.63	995.37	994.13	Pipe	1		1.5	Concrete	Circular	82.00	1.51	0.012	995.22	993.53	995.82	994.60	0.89	8.43	1.17	6.19	0.71	1.51	0.90	8.30	9.15	15.05	0.18
LINE 3D0	3D0	3D1	961.46	961.04	962.96	962.54	Pipe	1		1.5	Concrete	Circular	82.00	0.51	0.012	961.98	961.41	962.12	961.56	0.37	3.18	0.38	2.97	0.42	0.51	0.37	3.18	1.06	8.76	0.14
LINE 4C1	4C1	4C2	960.10	958.85	961.60	960.35	Pipe	1		1.5	Concrete	Circular	91.49	1.37	0.012	960.57	959.16	960.72	959.51	0.31	4.74	0.42	3.14	0.43	1.37	0.31	4.74	1.27	14.31	0.05
LINE 5C5	5C5	5C6	939.90	937.57	941.40	939.07	Pipe	1		1.5	Concrete	Circular	93.05	2.50	0.012	940.90	938.13	941.27	939.33	0.56	8.86	0.89	4.87	0.50	2.50	0.56	8.77	5.31	19.37	0.11
LINE 6C5	6C5	6C6	944.69	943.12	946.19	944.62	Pipe	1		1.5	Concrete	Circular	85.94	1.83	0.012	945.64	943.70	945.99	944.60	0.57	7.69	0.84	4.70	0.48	1.83	0.58	7.61	4.79	16.55	0.11
LINE 9A1	9A1	9A2	952.97	951.18	954.47	952.68	Pipe	1		1.5	Concrete	Circular	107.89	1.66	0.012	953.53	951.54	953.72	952.04	0.36	5.66	0.51	3.46	0.42	1.66	0.36	5.66	1.83	15.77	0.05
LINE 2C17	2C17	2C18	970.22	969.36	972.22	971.36	Pipe	1		2	Concrete	Circular	52.00	1.65	0.012	972.12	970.63	973.01	972.15	1.18	10.70	1.63	7.55	0.72	1.65	1.27	9.89	20.7	33.90	0.27

Driveway Culvert Conveyance - 5 YR

Link I.D.	Node I.D. US	Node I.D. DS	Invert Elev US (ft)	Invert Elev DS (ft)	Soffit Elev US (ft)	Soffit Elev DS (ft)	Link Type	No. of Barrels	Span (ft)	Rise/Dia (ft)	Link Mtrl	Shape	Hyd Length (ft)	Slope (%)	Manning's "n"	H.G.L. US Elev (ft)	H.G.L. DS Elev (ft)	E.G.L. US Elev (ft)	E.G.L. DS Elev (ft)	Unif Depth (ft)	Unif Vel (ft/s)	Crit Depth (ft)	Crit Vel (ft/s)	Crit Slope (%)	Frictn Slope (%)	Actual Depth (ft)	Actual Vel (ft/s)	Total Q (cfs)	Link Capacity (cfs)	Junctn Loss (ft)
LINE 1A1	1A1	1A2	1025.50	1025.08	1027.00	1026.58	Pipe	1		1.5	Concrete	Circular	41.33	1.02	0.012	1026.57	1025.88	1026.99	1026.54	0.79	6.63	0.97	5.19	0.54	1.01	0.80	6.47	6.24	12.34	0.11
LINE 1A3	1A3	1A4	1020.80	1020.54	1023.80	1023.54	Pipe	2	4	3	Concrete	Box	26.21	0.99	0.012	1023.75	1023.60	1024.27	1026.88	1.46	11.05	2.01	8.04	0.42	1.00	3.00	5.39	129	330.04	0.17
LINE 1A5	1A5	1A6	1007.87	1007.47	1010.87	1010.47	Pipe	2	5	3	Concrete	Box	39.54	1.01	0.012	1011.40	1011.01	1012.04	1014.95	1.58	12.20	2.26	8.52	0.38	1.01	3.00	6.42	192	453.51	0.27
LINE 1B1	1B1	1B2	1006.93	1006.61	1008.93	1008.61	Pipe	1		2	Concrete	Circular	54.40	0.59	0.012	1008.97	1008.82	1009.14	1009.00	1.07	6.11	1.16	5.54	0.45	0.58	2.00	3.33	10.5	20.22	0.05
LINE 1B3	1B3	1B4	1005.63	1003.20	1007.63	1005.20	Pipe	1	3	2	Concrete	Box	79.15	3.07	0.012	1007.79	1004.29	1008.75	1007.21	0.98	15.30	1.91	7.84	0.51	3.07	1.09	13.69	44.9	115.96	0.25
LINE 2A1	2A1	2A2	1007.40	1007.07	1009.40	1009.07	Pipe	1		2	Concrete	Circular	51.42	0.64	0.012	1009.08	1008.51	1009.79	1009.27	1.44	7.00	1.48	6.78	0.59	0.64	1.44	7.00	16.9	21.12	0.19
LINE 2A3	2A3	2A4	1002.97	1002.76	1004.97	1004.76	Pipe	2		2	Concrete	Circular	28.00	0.75	0.012	1004.99	1004.74	1005.50	1005.07	1.39	7.54	1.51	6.91	0.61	0.75	1.98	5.62	35.2	45.66	0.15
LINE 2A5	2A5	2A6	998.73	998.23	1000.73	1000.23	Pipe	2		2	Concrete	Circular	28.00	1.79	0.012	1000.52	999.52	1001.39	1000.93	1.14	10.99	1.62	7.49	0.71	1.78	1.29	9.51	40.8	70.46	0.17
LINE 2A7	2A7	2A8	993.77	993.42	995.77	995.42	Pipe	1	3	2	Concrete	Box	21.00	1.67	0.012	995.91	994.93	996.87	996.48	1.22	12.31	1.92	7.85	0.51	1.68	1.51	9.99	45.1	85.44	0.22
LINE 2A9	2A9	2A10	989.44	989.17	991.44	991.17	Pipe	1	3	2	Concrete	Box	23.00	1.17	0.012	991.62	990.80	992.60	992.21	1.42	10.92	1.96	7.94	0.51	1.18	1.63	9.52	46.6	71.71	0.23
LINE 2B0	2B0	2B OUT	967.53	967.46	969.03	968.96	Pipe	1		1.5	Concrete	Circular	12.22	0.65	0.012	968.46	968.05	968.67	968.36	0.58	4.61	0.65	3.97	0.43	0.65	0.59	4.48	2.89	9.89	0.24
LINE 2C1	2C1	2C2	1003.97	1003.69	1005.47	1005.19	Pipe	1		1.5	Concrete	Circular	52.95	0.53	0.012	1004.87	1004.46	1005.19	1004.81	0.77	4.76	0.80	4.54	0.47	0.54	0.77	4.74	4.35	8.90	0.09
LINE 2C5	2C5	2C8	987.21	986.32	988.71	987.82	Pipe	1		1.5	Concrete	Circular	96.01	0.93	0.012	988.36	987.17	988.81	987.83	0.85	6.53	1.01	5.37	0.56	0.93	0.85	6.50	6.77	11.79	0.14
LINE 2C9	2C9	2C10	984.02	983.69	985.52	985.19	Pipe	1		1.5	Concrete	Circular	42.01	0.79	0.012	985.22	984.65	985.70	985.25	0.96	6.21	1.05	5.58	0.60	0.78	0.96	6.19	7.39	10.85	0.15
LINE 3A1	3A1	3A2	965.26	964.82	966.76	966.32	Pipe	1		1.5	Concrete	Circular	40.70	1.08	0.012	966.33	965.56	966.71	966.20	0.73	6.58	0.91	4.97	0.51	1.07	0.74	6.40	5.58	12.73	0.15
LINE 3A3	3A3	3A4	964.03	963.62	965.53	965.12	Pipe	1		1.5	Concrete	Circular	42.00	0.98	0.012	965.25	964.55	965.75	965.25	0.91	6.83	1.07	5.68	0.61	0.97	0.93	6.72	7.69	12.09	0.14
LINE 3C3	3C3	3C4	961.33	960.76	962.83	962.26	Pipe	1		1.5	Concrete	Circular	68.00	0.84	0.012	961.79	961.05	961.92	961.25	0.29	3.55	0.34	2.79	0.42	0.83	0.29	3.54	0.85	11.21	0.12
LINE 3D2	3D2	3D3	960.13	959.78	961.63	961.28	Pipe	1		1.5	Concrete	Circular	69.00	0.51	0.012	960.70	960.27	960.89	960.48	0.49	3.69	0.51	3.47	0.42	0.50	0.49	3.69	1.85	8.72	0.06
LINE 4A1	4A1	4A2	955.69	953.38	957.69	955.38	Pipe	1		2	Concrete	Circular	71.04	3.25	0.012	957.72	954.51	958.77	957.11	1.04	14.30	1.72	8.20	0.86	3.26	1.13	12.94	23.6	47.54	0.31
LINE 5A1	5A1	5A2	954.92	954.68	956.42	956.18	Pipe	1		1.5	Concrete	Circular	45.78	0.52	0.012	955.50	955.19	955.70	955.42	0.51	3.87	0.54	3.58	0.42	0.52	0.51	3.87	2.06	8.86	0.03
LINE 5A3	5A3	5A4	948.49	947.16	949.99	948.66	Pipe	1		1.5	Concrete	Circular	44.75	2.97	0.012	949.50	947.73	949.88	948.95	0.54	9.48	0.90	4.91	0.51	2.97	0.57	8.87	5.41	21.10	0.12
LINE 5B1	5B1	5B2	962.48	960.51	963.98	962.01	Pipe	1		1.5	Concrete	Circular	65.04	3.03	0.012	964.10	961.44	965.03	963.40	0.88	11.96	1.35	7.73	1.14	3.04	0.93	11.22	12.9	21.30	0.27
LINE 5B3	5B3	5B4	939.22	934.35	941.22	936.35	Pipe	1	4	2	Concrete	Box	66.68	7.30	0.012	942.04	935.54	944.23	941.74	0.95	24.97	2.00	11.88	1.58	7.30	1.19	19.96	95	264.17	0.82
LINE 5C1	5C1	5C2	949.52	947.82	951.02	949.32	Pipe	1		1.5	Concrete	Circular	59.17	2.87	0.012	950.10	948.15	950.30	948.91	0.33	7.03	0.53	3.55	0.42	2.87	0.33	6.98	1.99	20.75	0.05
LINE 5C3	5C3	5C4	944.07	942.41	945.57	943.91	Pipe	1		1.5	Concrete	Circular	64.19	2.59	0.012	944.78	942.81	945.02	943.67	0.40	7.50	0.64	3.93	0.43	2.59	0.40	7.39	2.81	19.69	0.07
LINE 5D1	5D1	5D2	953.16	947.95	954.66	949.45	Pipe	1		1.5	Concrete	Circular	95.69	5.44	0.012	953.78	948.24	953.99	949.52	0.29	9.06	0.56	3.64	0.42	5.44	0.29	9.02	2.18	28.56	0.07
LINE 5D3	5D3	5D4	938.91	938.24	940.41	939.74	Pipe	1		1.5	Concrete	Circular	97.58	0.69	0.012	939.90	939.80	940.12	940.56	0.71	5.21	0.79	4.51	0.47	0.69	1.50	2.42	4.29	10.14	0.07
LINE 6C1	6C1	6C2	962.08	960.76	963.58	962.26	Pipe	1		1.5	Concrete	Circular	75.90	1.74	0.012	962.44	961.00	962.57	961.33	0.24	4.57	0.34	2.81	0.44	1.74	0.24	4.57	0.84	16.14	0.02
LINE 6C3	6C3	6C4	959.63	958.09	961.13	959.59	Pipe	1		1.5	Concrete	Circular	78.56	1.96	0.012	960.12	958.39	960.28	958.87	0.30	5.54	0.44	3.21	0.42	1.95	0.30	5.54	1.4	17.14	0.04
LINE 6D1	6D1	6D2	947.00	946.53	948.50	948.03	Pipe	1		1.5	Concrete	Circular	24.67	1.90	0.012	947.61	946.84	947.77	947.28	0.30	5.52	0.45	3.20	0.41	1.90	0.31	5.30	1.42	16.90	0.16
LINE 9A3	9A3	9A OUT	944.08	941.83	946.08	943.83	Pipe	1		2	Concrete	Circular	102.00	2.21	0.012	944.78	942.24	945.01	943.04	0.41	7.20	0.64	3.85	0.38	2.21	0.41	7.16	3.3	39.15	0.06
LINE 2C11	2C11	2C12	983.34	982.99	984.84	984.49	Pipe	1		1.5	Concrete	Circular	44.00	0.80	0.012	984.55	983.96	985.04	984.57	0.97	6.27	1.07	5.63	0.61	0.79	0.97	6.26	7.57	10.92	0.14
LINE 2C13	2C13	2C14	981.27	980.88	982.77	982.38	Pipe	1		1.5	Concrete	Circular	50.00	0.78	0.012	982.59	981.97	983.16	982.61	1.09	6.41	1.15	6.06	0.69	0.78	1.09	6.41	8.8	10.81	0.17
LINE 2C15	2C15	2C16	979.46	978.69	980.96	980.19	Pipe	1		1.5	Concrete	Circular	45.00	1.71	0.012	980.89	979.64	981.56	980.78	0.91	9.05	1.23	6.55	0.80	1.71	0.95	8.56	10.1	16.01	0.20
LINE 2C20	2C20	2C21	1005.05	1004.75	1006.55	1006.25	Pipe	1		1.5	Concrete	Circular	53.83	0.56	0.012	1005.90	1005.47	1006.20	1005.81	0.71	4.72	0.76	4.38	0.46	0.56	0.72	4.71	3.92	9.14	0.09

Inlets

Inlet I.D.	Inlet Type	Inlet Location Cntrl Chain	Inlet Location Inlet Station	Inlet Location Offset (ft)	Inlet Location LT/RT	Top/Inlet Elev (ft)	Grate L (ft)	Grate W (ft)	Grate Type	Grate P (ft)	Grate A (sf)	Tc (min)	20% AEP Inlet Q (cfs)	Intercept Capacity (cfs)	Ponded Depth Allowed (ft)	Ponded Depth Actual (ft)	*HGL Check	**Min Depth Check	Eff (%)
2B0	(TY PSL)(FG)(3X3L)(3X3G) Grate Inlet In Sag	DANIELMT	12+79.86	25.00	RT	971.30	3.00	3.00	Reticuline	12.67	4.53	13.00	2.89	6.91	0.50	0.28	OK	OK	100%

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
Clay E. Gann, P.E. 10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE COMPUTATIONS

INLETS & DRIVEWAY PIPES - 5 YR
X-STREET PIPES - 25 YR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	194

USER: ClayGann 8:38:17 AM
DATE: 10/25/2024
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ROADSIDE DITCHES - 5YR

Link I.D.	Node I.D. US	Node I.D. DS	Invert Elev US (ft)	Invert Elev DS (ft)	Link Type	Max Depth (ft)	Shape	A (sqft)	P (ft)	R (ft)	Hyd Length (ft)	Slope (ft/ft)	Manning's "n"	H.G.L. US Elev (ft)	H.G.L. DS Elev (ft)	Unif Depth (ft)	Unif Vel (fps)	Crit Depth (ft)	Crit Vel (fps)	Crit Slope (%)	Frictn Slope (%)	Actual Depth (ft)	Actual Vel (fps)	Total Q (cfs)	Link Capacity (cfs)	Shear Stress (lbs/sf)
DITCH 1A0	1A0	1A1	1049.72	1025.59	Ditch	2	V-DITCH	2.58	5.86	0.44	925.48	0.03	0.033	1050.82	1026.34	0.75	3.68	0.77	3.52	2.34	2.64	0.93	2.70	6.24	84.72	0.72
DITCH 1A2	1A2	1A3	1024.97	1021.19	Ditch	3	V-DITCH	11.15	12.19	0.91	343.71	0.0122	0.033	1026.27	1023.75	0.87	2.75	0.77	3.52	2.34	1.21	1.93	0.78	6.24	169.73	0.69
DITCH 1A4	1A4	1A5	1020.33	1008.09	Ditch	4	V-DITCH	32.54	20.83	1.56	1295.43	0.0098	0.033	1023.60	1011.40	2.82	5.42	2.58	6.45	1.56	0.98	3.29	3.97	129	327.78	0.95
DITCH 1A6	1A6	1AB OUT	1007.27	1004.37	Ditch	4.5	V-DITCH	34.41	21.42	1.61	440.42	0.0069	0.033	1011.01	1007.40	3.50	5.24	3.03	6.98	1.48	0.69	3.39	5.78	192	377.78	0.70
DITCH 1B0	1B0	1B1	1008.70	1007.00	Ditch	3	V-DITCH	8.12	10.40	0.78	298.53	0.0060	0.033	1010.02	1008.97	1.17	2.34	0.92	3.84	2.19	0.59	1.64	1.34	10.5	129.31	0.29
DITCH 1B2	1B2	1B3	1006.54	1005.74	Ditch	4	V-DITCH	14.09	13.71	1.03	170.08	0.0058	0.033	1008.82	1007.79	2.09	3.41	1.69	5.22	1.80	0.58	2.17	3.21	44.9	251.69	0.37
DITCH 1C0	1C0	1C1	1051.96	1020.60	Ditch	3	V-DITCH	4.30	7.57	0.57	1311.88	0.0239	0.033	1053.31	1021.65	1.05	4.43	1.08	4.17	2.02	2.38	1.20	3.55	21.8	362.93	0.85
DITCH 1C1	1C1	1C2	1020.60	1019.50	Ditch	4.5	V-DITCH	28.36	23.21	1.22	111.78	0.0098	0.033	1022.57	1022.55	1.23	3.18	1.08	4.17	2.02	0.98	2.51	0.89	21.8	686.54	0.75
DITCH 1C2	1C2	1C3	1019.50	1011.14	Ditch	4	V-DITCH	36.89	26.47	1.39	872.82	0.0096	0.033	1022.55	1013.81	2.91	5.54	2.67	6.56	1.49	0.95	2.86	5.79	211	494.75	0.83
DITCH 1C3	1C3	1C OUT	1011.14	1002.90	Ditch	4	V-DITCH	19.13	19.06	1.00	891.48	0.0096	0.033	1013.50	1004.67	1.96	4.33	1.77	5.33	1.66	0.96	2.06	4.17	233	1567.06	0.60
DITCH 1D0	1D0	1C OUT	1007.33	1002.95	Ditch	5	V-DITCH	1.25	4.87	0.26	392.11	0.0121	0.033	1008.07	1003.26	0.37	1.60	0.31	2.25	3.01	1.21	0.53	1.32	1.64	1701.33	0.19
DITCH 2A0	2A0	2A1	1008.65	1007.50	Ditch	3	V-DITCH	7.29	9.86	0.74	72.01	0.0197	0.033	1010.19	1009.08	1.15	4.23	1.15	4.29	2.05	1.97	1.56	2.32	16.9	215.64	0.91
DITCH 2A2	2A2	2A3	1006.98	1003.04	Ditch	3	V-DITCH	9.75	11.40	0.86	630.53	0.0065	0.033	1008.64	1004.99	1.42	2.81	1.15	4.29	2.05	0.66	1.80	1.77	16.9	124.32	0.35
DITCH 2A4	2A4	2A5	1002.70	998.94	Ditch	3	V-DITCH	9.82	11.44	0.86	274.00	0.0152	0.033	1004.74	1000.52	1.59	4.62	1.54	4.97	1.86	1.53	1.81	3.77	35.2	189.78	0.82
DITCH 2A6	2A6	2A7	998.00	994.07	Ditch	3	V-DITCH	12.51	12.92	0.97	266.00	0.0168	0.033	1000.25	995.91	1.66	4.97	1.63	5.12	1.82	1.68	2.04	3.36	40.8	199.13	1.01
DITCH 2A8	2A8	2A9	993.11	989.73	Ditch	3	V-DITCH	14.00	13.66	1.02	237.00	0.0168	0.033	995.54	991.62	1.72	5.11	1.70	5.22	1.80	1.69	2.16	3.38	45.1	199.47	1.08
DITCH 2C0	2C0	2C20	1007.50	1005.10	Ditch	2	V-DITCH	1.88	5.97	0.31	463.84	0.0053	0.033	1007.99	1005.90	0.43	1.16	0.31	2.23	2.99	0.52	0.65	0.59	2.73	169.90	0.10
DITCH 2C2	2C2	2C3	1003.63	994.06	Ditch	3	V-DITCH	3.06	7.63	0.40	635.02	0.0156	0.033	1004.41	994.94	0.41	1.96	0.37	2.44	2.80	1.56	0.83	0.50	4.35	859.51	0.39
DITCH 2C4	2C4	2C5	992.50	987.35	Ditch	3	V-DITCH	3.75	8.44	0.44	430.05	0.0126	0.033	993.32	988.36	0.48	1.96	0.42	2.60	2.68	1.27	0.91	0.57	5.96	772.51	0.35
DITCH 2C8	2C8	2C9	986.25	984.10	Ditch	3	V-DITCH	4.65	9.39	0.49	298.00	0.0078	0.033	987.16	985.22	0.69	1.92	0.55	2.98	2.47	0.77	1.02	0.90	6.77	348.76	0.24
DITCH 3A0	3A0	3A1	968.03	965.33	Ditch	3	V-DITCH	3.06	6.39	0.48	166.98	0.0173	0.033	969.05	966.33	0.78	3.05	0.74	3.44	2.37	1.73	1.01	1.82	5.58	202.05	0.52
DITCH 3A2	3A2	3A3	964.73	964.12	Ditch	3	V-DITCH	3.73	7.05	0.53	82.00	0.0100	0.033	965.83	965.25	0.86	2.49	0.74	3.44	2.37	1.00	1.12	1.50	5.58	153.82	0.33
DITCH 3A4	3A4	3A OUT	963.51	961.36	Ditch	3	V-DITCH	3.65	6.98	0.52	257.34	0.0098	0.033	964.88	962.20	0.98	2.68	0.84	3.67	2.28	0.98	1.10	2.52	7.69	151.95	0.32
DITCH 3B0	3B0	3A OUT	963.73	961.50	Ditch	4	V-DITCH	3.64	6.97	0.52	476.13	0.0051	0.033	965.08	962.36	1.13	2.11	0.86	3.71	2.26	0.50	1.10	2.60	8.14	235.51	0.16
DITCH 3C4	3C4	3CD OUT	960.66	958.90	Ditch	2	V-DITCH	0.52	3.15	0.17	139.55	0.0136	0.033	961.10	959.14	0.29	1.44	0.24	1.99	3.24	1.36	0.34	1.31	1.25	220.05	0.14
DITCH 3D1	3D1	3D2	961.00	960.18	Ditch	3	V-DITCH	0.94	4.22	0.22	184.00	0.0050	0.033	961.40	960.70	0.28	0.86	0.20	1.76	3.35	0.50	0.46	0.35	0.73	394.05	0.07
DITCH 3D3	3D3	3CD OUT	959.73	958.88	Ditch	3	V-DITCH	0.84	4.00	0.21	194.58	0.0046	0.033	960.26	959.21	0.47	1.15	0.33	2.31	2.91	0.45	0.43	1.59	2.65	377.52	0.06
DITCH 4A0	4A0	4A1	963.60	955.86	Ditch	3	V-DITCH	9.77	11.41	0.86	662.78	0.0119	0.033	965.34	957.72	1.44	3.82	1.31	4.59	1.96	1.20	1.80	2.42	23.6	167.94	0.64
DITCH 4B0	4B0	4A OUT	955.23	954.60	Ditch	4	V-DITCH	1.22	4.03	0.30	134.48	0.0047	0.033	955.98	955.12	0.72	1.51	0.52	2.88	2.65	0.47	0.64	2.13	2.34	226.74	0.09
DITCH 4C0	4C0	4C1	961.47	960.25	Ditch	3	V-DITCH	0.47	3.00	0.16	100.82	0.0135	0.033	961.88	960.49	0.27	1.36	0.22	1.91	3.36	1.36	0.32	1.15	0.87	552.93	0.13
DITCH 4C2	4C2	4C OUT	958.70	952.00	Ditch	3	V-DITCH	1.82	5.87	0.31	471.78	0.0149	0.033	959.52	952.45	0.51	2.15	0.45	2.70	2.71	1.48	0.64	1.76	2.47	286.21	0.29
DITCH 4D0	4D0	4C OUT	955.33	952.00	Ditch	3	V-DITCH	0.50	3.07	0.16	195.21	0.0180	0.033	955.77	952.22	0.25	1.48	0.22	1.87	3.37	1.79	0.33	1.17	0.42	315.15	0.18
DITCH 5A0	5A0	5A1	955.27	954.97	Ditch	4	V-DITCH	1.22	4.03	0.30	65.82	0.0054	0.033	956.02	955.50	0.67	1.54	0.49	2.83	2.73	0.54	0.64	1.85	2.06	243.95	0.10
DITCH 5A2	5A2	5A3	954.62	948.80	Ditch	3	V-DITCH	1.86	4.98	0.37	409.79	0.0150	0.033	955.49	949.50	0.55	2.25	0.49	2.82	2.72	1.49	0.79	1.15	2.06	188.20	0.35
DITCH 5A4	5A4	5AB OUT	946.82	936.80	Ditch	3	V-DITCH	5.86	8.84	0.66	488.81	0.0232	0.033	948.89	937.53	0.73	3.39	0.73	3.42	2.39	2.33	1.40	1.92	5.41	234.16	0.96
DITCH 5B0	5B0	5B1	965.30	962.79	Ditch	4	V-DITCH	5.43	8.51	0.64	209.87	0.0126	0.033	966.68	964.10	1.14	3.34	1.03	4.07	2.12	1.25	1.35	2.39	12.9	371.69	0.50
DITCH 5B2	5B2	5B3	960.20	939.27	Ditch	3	V-DITCH	15.37	14.32	1.07	1075.85	0.0200	0.033	961.96	942.04	1.04	3.97	1.03	4.07	2.12	1.99	2.26	0.98	12.9	217.44	1.34
DITCH 5C0	5C0	5C1	955.62	950.10	Ditch	3	V-DITCH	1.24	4.85	0.26	444.85	0.0127	0.033	956.26	950.51	0.48	1.92	0.41	2.58	2.80	1.27	0.52	1.84	1.99	264.65	0.20
DITCH 5C2	5C2	5C3	947.52	944.28	Ditch	3	V-DITCH	2.31	6.62	0.35	133.41	0.0288	0.033	948.54	944.69	0.41	2.61	0.41	2.58	2.80	2.88	0.72	1.52	1.99	398.53	0.63
DITCH 5C4	5C4	5C5	942.16	940.14	Ditch	3	V-DITCH	2.82	7.32	0.39	100.80	0.0253	0.033	943.18	940.71	0.48	2.72	0.48	2.76	2.65	2.54	0.79	1.27	2.81	373.47	0.61
DITCH 5C6	5C6	5CD OUT	937.31	934.04	Ditch	3	V-DITCH	6.00	10.68	0.56	182.97	0.0242	0.033	939.05	934.60	0.57	2.97	0.56	3.01	2.50	2.42	1.15	1.66	4.32	365.37	0.85
DITCH 5D0	5D0	5D1	963.70	954.24	Ditch	3	V-DITCH	1.43	5.22	0.27	428.18	0.0226	0.033	964.40	954.67	0.44	2.45	0.43	2.63	2.74	2.27	0.56	1.81	2.18	353.27	0.39
DITCH 5D2	5D2	5D3	947.74	938.96	Ditch	3	V-DITCH	3.60	8.27	0.44	510.23	0.0179	0.033	948.59	939.90	0.46	2.24	0.43	2.63	2.74	1.80	0.89	0.61	2.18	314.46	0.49
DITCH 5D4	5D4	5CD OUT	938.17	934.04	Ditch	3	V-DITCH	5.63	10.34	0.54	240.60	0.0213	0.033	939.80	934.64	0.62	2.96	0.60	3.12	2.45	2.13	1.12	1.77	5.14	342.53	0.72
DITCH 6A0	6A0	6A1	965.35	946.36	Ditch	4.8	V-DITCH	9.97	11.53	0.86	1002.97	0.0210	0.033	968.11	947.25	0.68	3.07	0.66	3.25	2.47	2.11	1.82	0.98	4.22	780.76	1.13
DITCH 6A1	6A1	6A OUT	946.36	945.22	Ditch	4.8	V-DITCH	1.88	5.01	0.38	108.06	0.0105	0.033	947.25	945.92	0.81	2.45	0.70	3.34	2.42	1.05	0.79	2.70	4.86	553.29	0.25
DITCH 6B0	6B0	6B OUT	942.50	941.56	Ditch	4	V-DITCH	0.75	3.16	0.24	216.96	0.0043	0.033	943.10	941.96	0.57	1.24	0.40	2.54	2.92	0.43	0.50	1.85	1.23	218.05	0.06
DITCH 6C0	6C0	6C1	963.66	962.24	Ditch	3	V-DITCH	0.67	3.58	0.19	140.77	0.0109	0.033	964.14	962.53	0.36	1.47	0.29	2.18	3.16	1.10	0.39	1.49	0.84	245.08	0.13
DITCH 6C2	6C2	6C3	960.50	960.00	Ditch	3	V-DITCH	0.96	4.26	0.22	57.67	0.0136	0.033	961.13	960.29	0.34	1.59	0.29	2.18	3.16	1.36	0.46	1.32	0.84	274.10	0.19
DITCH 6C4	6C4	6C5	957.86	944.88	Ditch	3	V-DITCH	0.61	3.41	0.18	420.75	0.0308	0.033	958.24	945.24	0.36	2.46	0.36	2.41	2.92	3.08	0.37	2.29	1.4	412.29	0.35
DITCH 6C6	6C6	6C OUT	942.91	941.00	Ditch	3	V-DITCH	1.73	5.73	0.30	185.86	0.0109	0.033	943.64	941.51	0.60	2.06	0.51	2.85	2.59	1.09	0.62	2.11	3.29	244.98	0.20
DITCH 6D2	6D2	6D-OUT	946.50	945.38	Ditch	3	V-DITCH	1.41	5.18	0.27	70.93	0.0185	0.033	947.16	945.84	0.46	2.23	0.43	2.60	2.81	1.86	0.56	1.65	1.42	209.41	0.32
DITCH 7A0	7A0	7AB OUT	942.80	938.00	Ditch	3	V-DITCH	1.25	4.09	0.31	518.56	0.0093	0.033	943.54	938.56	0.67	2.03	0.56	2.99	2.61	0.93	0.65	2.34	2.77	147.99	0.18
DITCH 7B0	7B0	7AB OUT	941.60	936.10	Ditch	3	V-DITCH	1.78	4.87	0.37	611.17	0.0093	0.033	942.54	936.70	0.73	2.13	0.60	3.11	2.54	0.93	0.77	2.20	3.38	148.32	0.21
DITCH 8A0	8A0	8A OUT	955.00	943.00	Ditch	3.5	V-DITCH	2.18	5.39	0.40	556.52	0.0219	0.033	955.98	943.72	0.73	3.30	0.72	3.41	2.39	2.19	0.85	2.62	5.32	343.24	0.55
DITCH 9A0	9A0	9A1	954.15	953.03	Ditch	3	V-DITCH	0.70	3.06	0.23	202.90	0.0058	0.033	954.72	953.43	0.49	1.32	0.36	2.40	2.89	0.58	0.48	1.47	1.26	158.83	0.08
DITCH 9A2	9A2	9A3	951.00	944.52	Ditch	3	V-DITCH	2.24	5.47	0.41	254.86	0.0281	0.033	952.21	945.04	0.52	3.02	0.53	2.92	2.57	2.80	0.86	1.79	3.3	348.77	0.72
DITCH 2C10	2C10	2C11	983.60	983.41	Ditch	3	V-DITCH	5.41	10.14	0.53	46.00	0.0076	0.033	984.65	984.55	0.71	1.96	0.57	3.03	2.44	0.76	1.10	0.82	7.39	345.11	0.25
DITCH 2C12	2C12	2C13	982.91	981.36	Ditch	3	V-DITCH	4.82	9.57	0.50	222.00	0.0077	0.033	983.75	982.59	0.62	1.80	0.49	2.82	2.55	0.77	1.04	0.72	7.57	511.21	0.24
DITCH 2C14	2C14	2C15	980.81	979.62	Ditch	3	V-DITCH	5.04	9.78	0.52	157.01	0.0087	0.033	981.66	980.89	0.60	1.88	0.49	2.81	2.55	0.87	1.06	0.68	8.8	643.99	0.28
DITCH 2C16	2C16	2C17	978.52	970.45	Ditch	3	V-DITCH	6.23	10.88	0.57	509.21	0.0166	0.033	979.63	971.70	0.61	2.61	0.57	3.02	2.44	1.65	1.18	0.70	10.1	716.48	0.59
DITCH 2C18	2C18	2C OUT	969.13	963.90	Ditch	3	V-DITCH	3.50	8.16	0.43	165.74	0.0344	0.033	970.31	964.49	0.59	3.66	0.63	3.18	2.35	3.43	0.88	2.28	13.2	1029.72	0.92
DITCH 2C21	2C21	2C1	1004.70	1004.02	Ditch	2	V-DITCH	2.46	6.83	0.36	148.51	0.0053	0.033	1005.33	1004.87	0.49	1.28	0.36	2.39	2.84	0.53	0.74	0.59	3.92	170.53	0.12
DITCH 2A10	2A10	2A OUT	988.95	982.25	Ditch	3	V-DITCH	11.55	12.41	0.93	518.41	0.0134	0.033	991.12	984.00	1.85	4.76	1.75	5.31	1.78	1.33	1.96	4.39	49	178.00	0.78

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
Clay E. Gann, P.E.
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

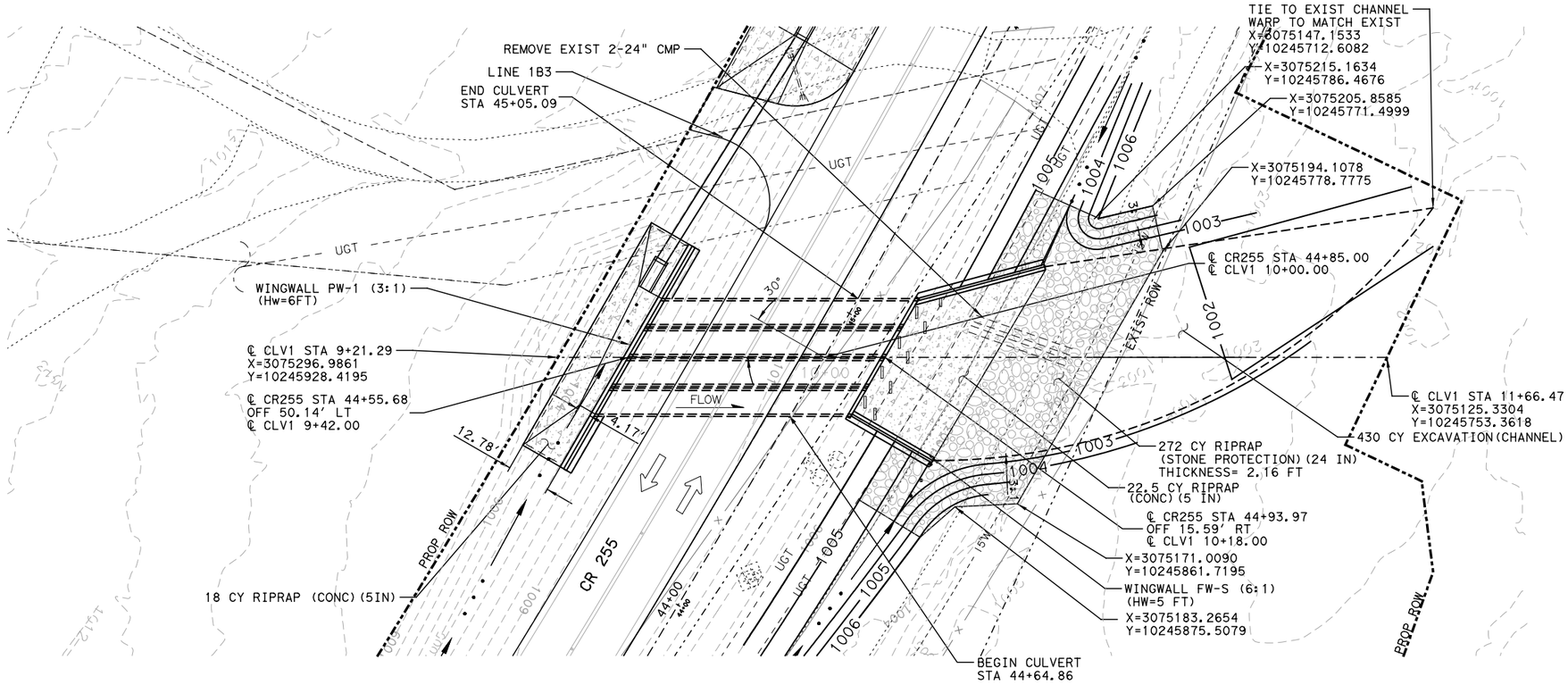
CR 255
DRAINAGE COMPUTATIONS

DITCHES - 5 YR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.
CHECKED:	X	TEXAS			CR 255
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No. / SHEET No.
CHECKED:	XX	XX	XX	XX	XX / 195

USER: ClayGann
DATE: 10/25/2024 8:38:19 AM
SCRIPT: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/05. Drainage/CR255_iplot.pen
FILE: c:\slg\clay.gann\dms01862\CR255_COMPS_DITCH-01.dgn



0 20 40
SCALE: 1" = 40'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W EXIST UG UTILITY
- OT EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW

HYDRAULIC DATA

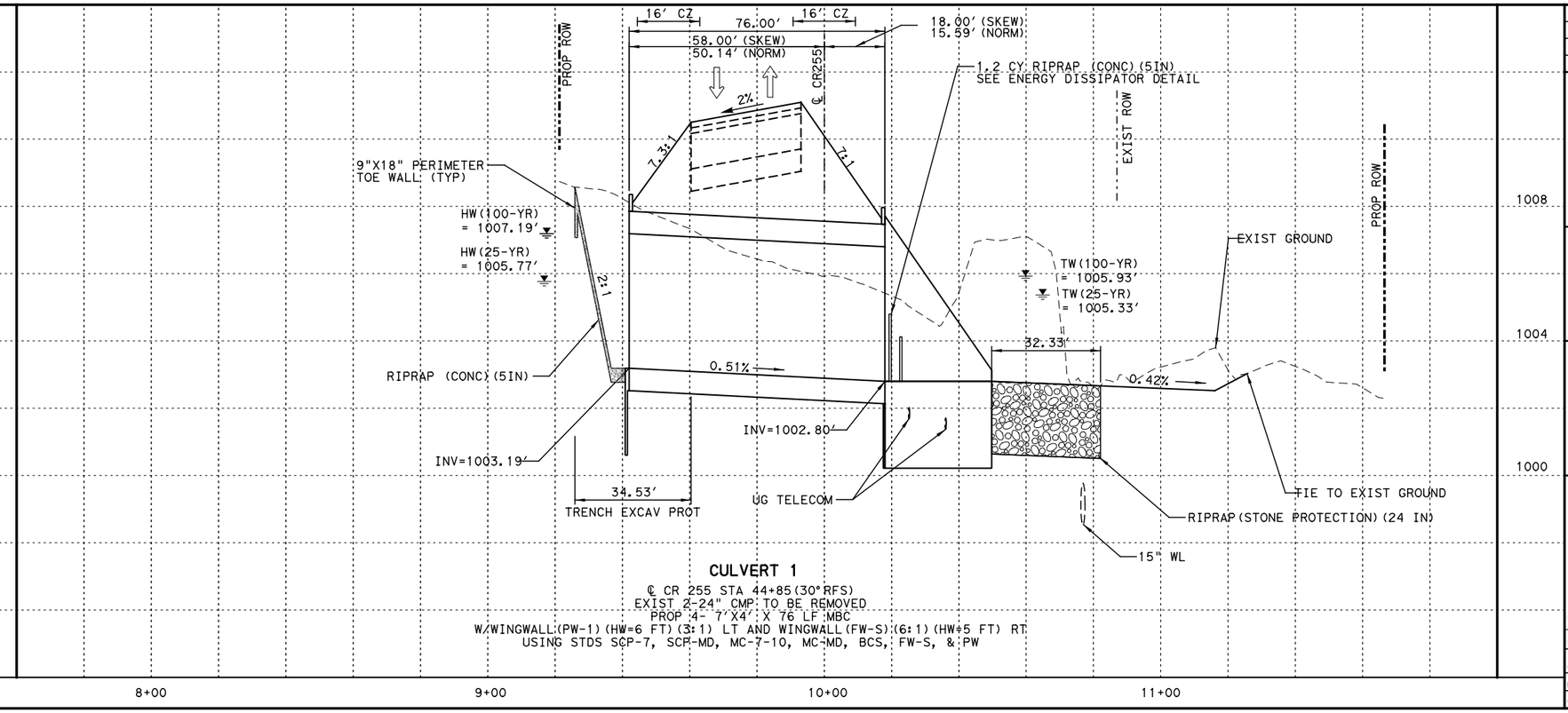
25-YR ANALYSIS:
D.A. = 213.3 AC.
Q = 659 CFS
ALLOWABLE HW = 1009.77'
OUTLET VELOCITY = 10.39 FPS
Q = 0 CFS (OVER THE ROAD)

100-YR ANALYSIS:
Q = 1030 CFS
OUTLET VELOCITY = 13.68 FPS
Q = 0 CFS (OVER THE ROAD)

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION.
2. SEE HYDRAULIC DATA SHEETS FOR RESULTS OF HEC-RAS ANALYSIS.
3. EXIST CONTOURS SHOWN AT 1' INTERVAL.

NBI# 14-246-AA02-89-003



CULVERT 1
℄ CR 255 STA 44+85(30° RFS)
EXIST 2-24" CMP TO BE REMOVED
PROP 4- 7'X4' X 76 LF MBC
W/WINGWALL(PW-1)(HW=6 FT)(3:1) LT AND WINGWALL(FW-S)(6:1)(HW=5 FT) RT
USING STDS SCP-7, SCP-MD, MC-7-10, MC-MD, BCS, FW-S, & PW

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
BRIDGE CLASS CULVERT LAYOUT

CULVERT 1
STA 44+85

H SCALE: 1" = 40'
V SCALE: 1" = 4'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	196

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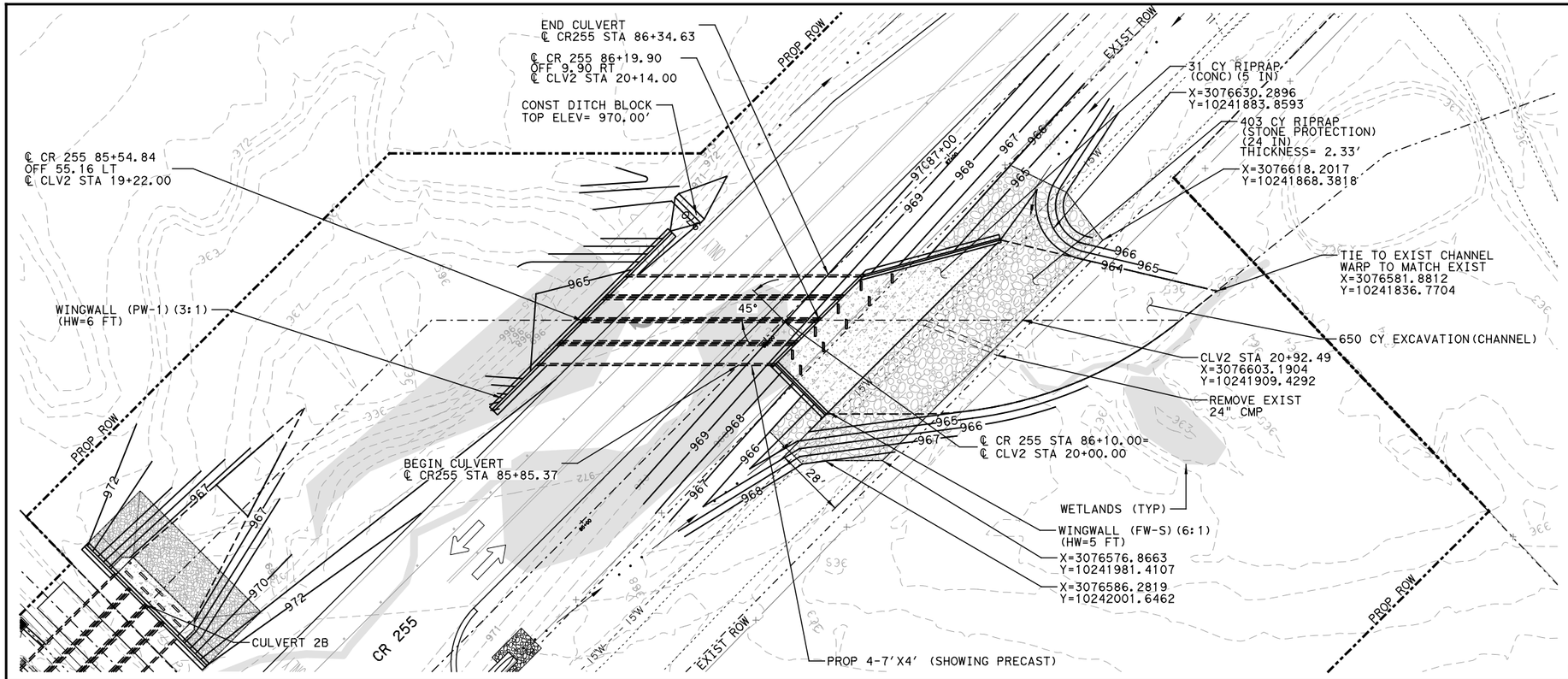


0 25 50
SCALE: 1" = 50'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W EXIST UG UTILITY
- OT EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW

HYDRAULIC DATA

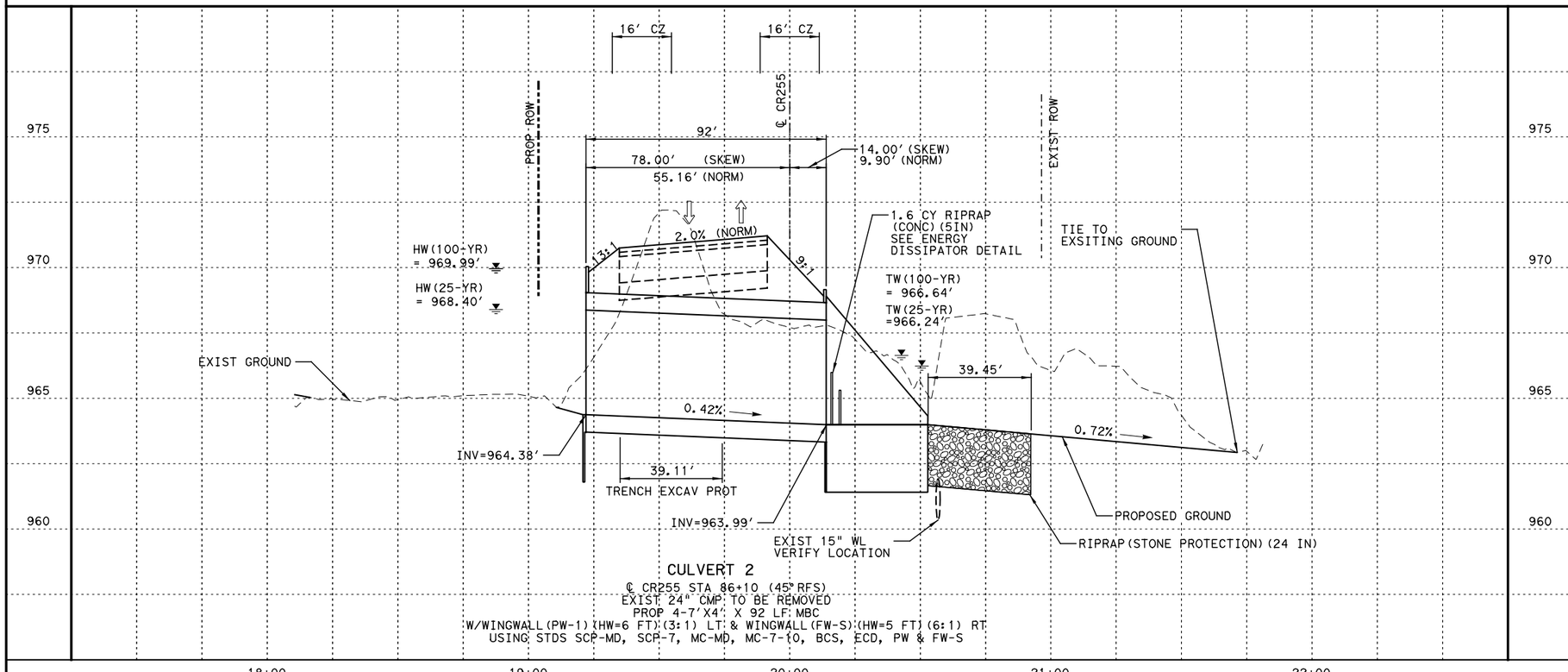
25-YR ANALYSIS:
D.A. = 216.32 AC.
Q = 669 CFS
ALLOWABLE HW = 970.00'
OUTLET VELOCITY = 9.78 FPS
Q = 0 CFS (OVER THE ROAD)

100-YR ANALYSIS:
Q = 1049 CFS
OUTLET VELOCITY = 11.15 FPS
Q = 0 CFS (OVER THE ROAD)

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION.
2. EXIST CONTOURS SHOWN AT 1' INTERVALS
3. REFER TO THE HYDRAULIC DATA SHEETS FOR RESULTS OF HEC-RAS ANALYSIS.

NBI# 14-246-AA02-89-004



CULVERT 2
℄ CR255 STA 86+10 (45° RFS)
EXIST 24" CMP TO BE REMOVED
PROP 4-7'X4' X 92 LF MBC
W/WINGWALL (PW-1) (HW=6 FT) (3:1) LT & WINGWALL (FW-S) (HW=5 FT) (6:1) RT
USING STDS SCP-MD, SCP-7, MC-MD, MC-7-10, BCS, ECD, PW & FW-S

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
BRIDGE CLASS CULVERT LAYOUT

CULVERT 2
STA 86+10

H SCALE: 1" = 50'
V SCALE: 1" = 5'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	197

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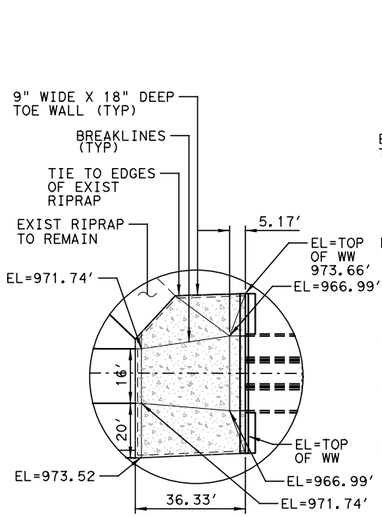
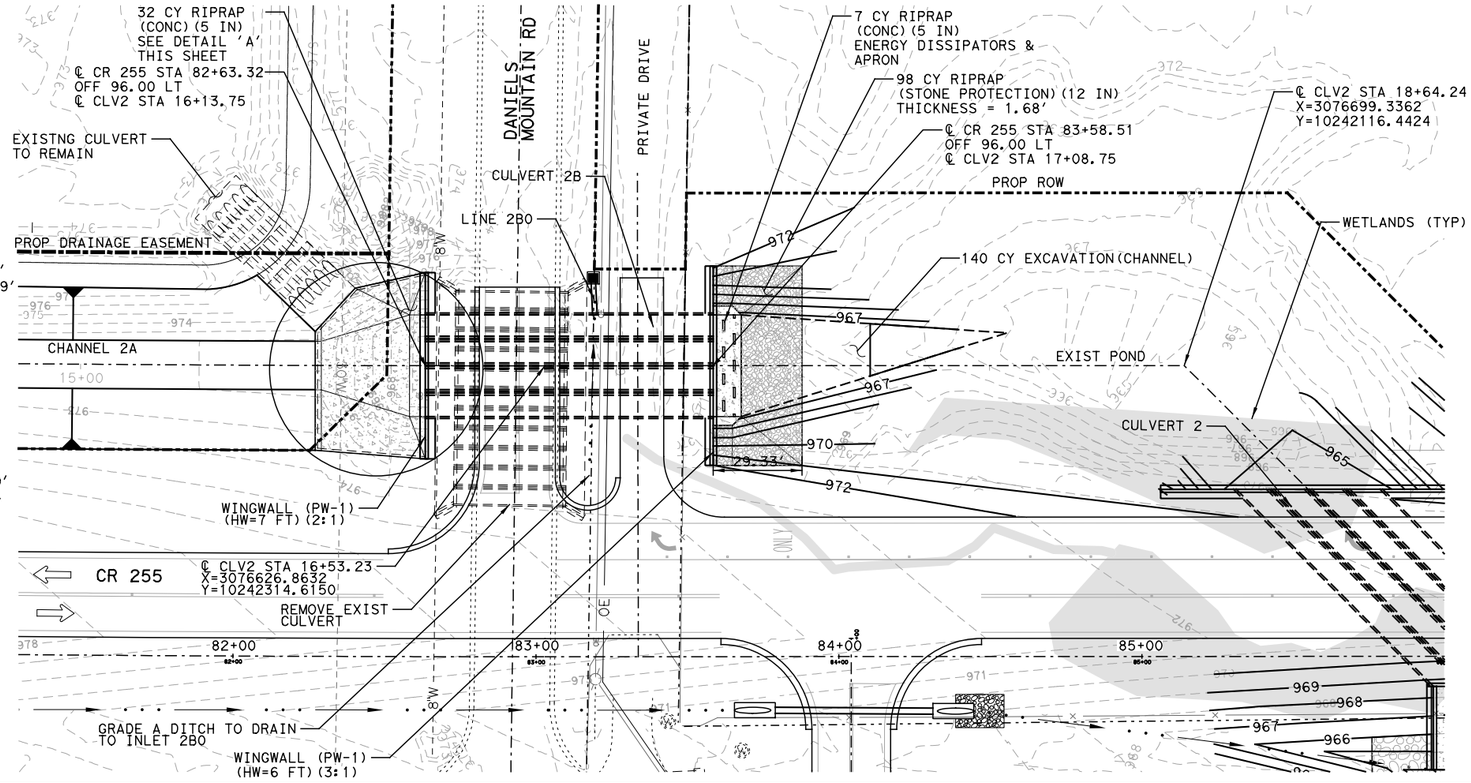
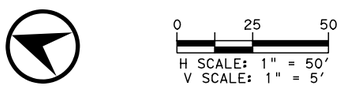


RIPRAP DETAIL

DETAIL 'A'





LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW

HYDRAULIC DATA

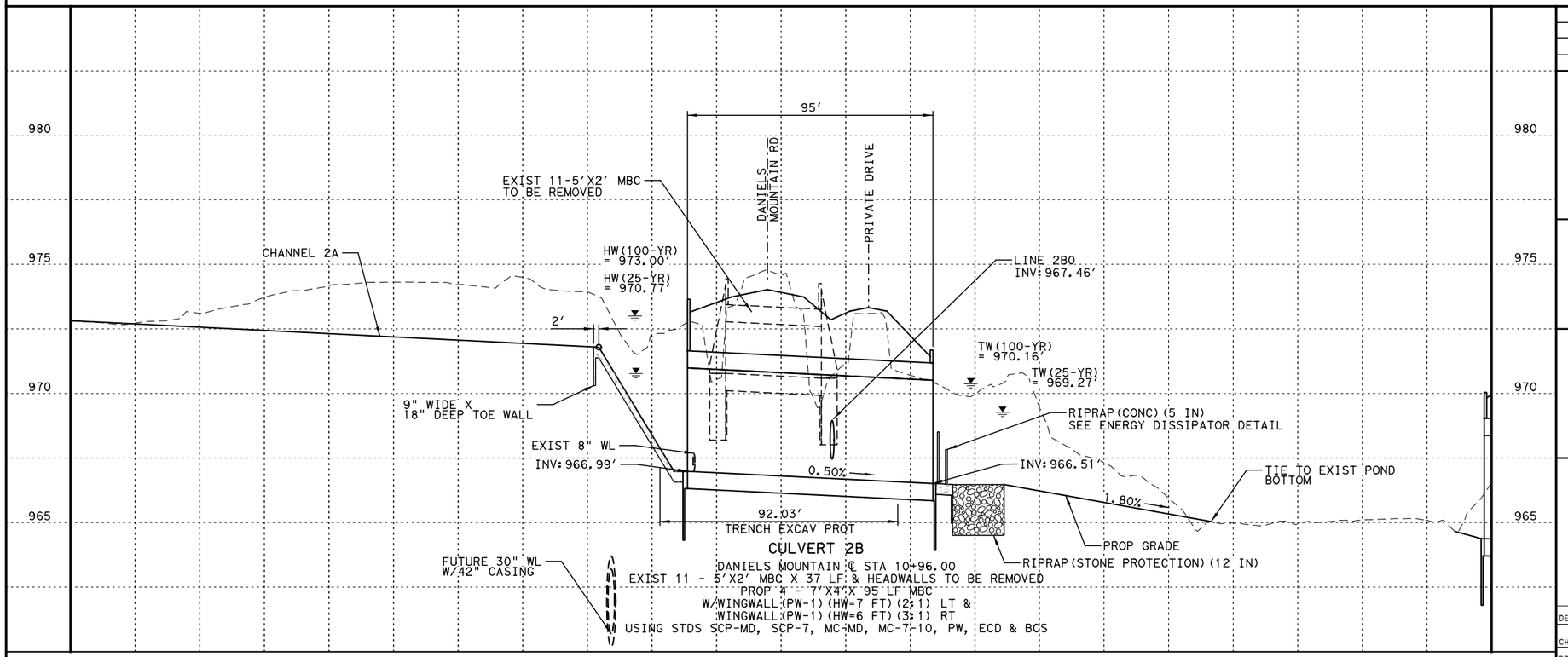
25-YR ANALYSIS:
D.A. = 216.32 AC.
Q = 656 CFS
ALLOWABLE HW = 974.15'
OUTLET VELOCITY = 10.42 FPS
Q = 0 CFS (OVER THE ROAD)

100-YR ANALYSIS:
Q = 1031 CFS
OUTLET VELOCITY = 14.29 FPS
Q = 0 CFS (OVER THE ROAD)

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION.
2. EXIST CONTOURS SHOWN AT 1' INTERVALS
3. REFER TO THE HYDRAULIC DATA SHEETS FOR RESULTS OF HEC-RAS ANALYSIS.

NBI# 14-246-AA02-89-006



CULVERT 2B

DANIELS MOUNTAIN ℄ STA 10+96.00
EXIST 11 - 5'X2' MBC X 37 LF & HEADWALLS TO BE REMOVED
PROP 4 - 7'X4'X 95 LF MBC
W/WINGWALL (PW-1) (HW=7 FT) (2:1) LT &
WINGWALL (PW-1) (HW=6 FT) (3:1) RT
USING STDS SCP-MD, SCP-7, MC-MD, MC-7-10, PW, ECD & BCS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
BRIDGE CLASS CULVERT LAYOUT

CULVERT 2B
DANIELS MOUNTAIN STA 10+96

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	198

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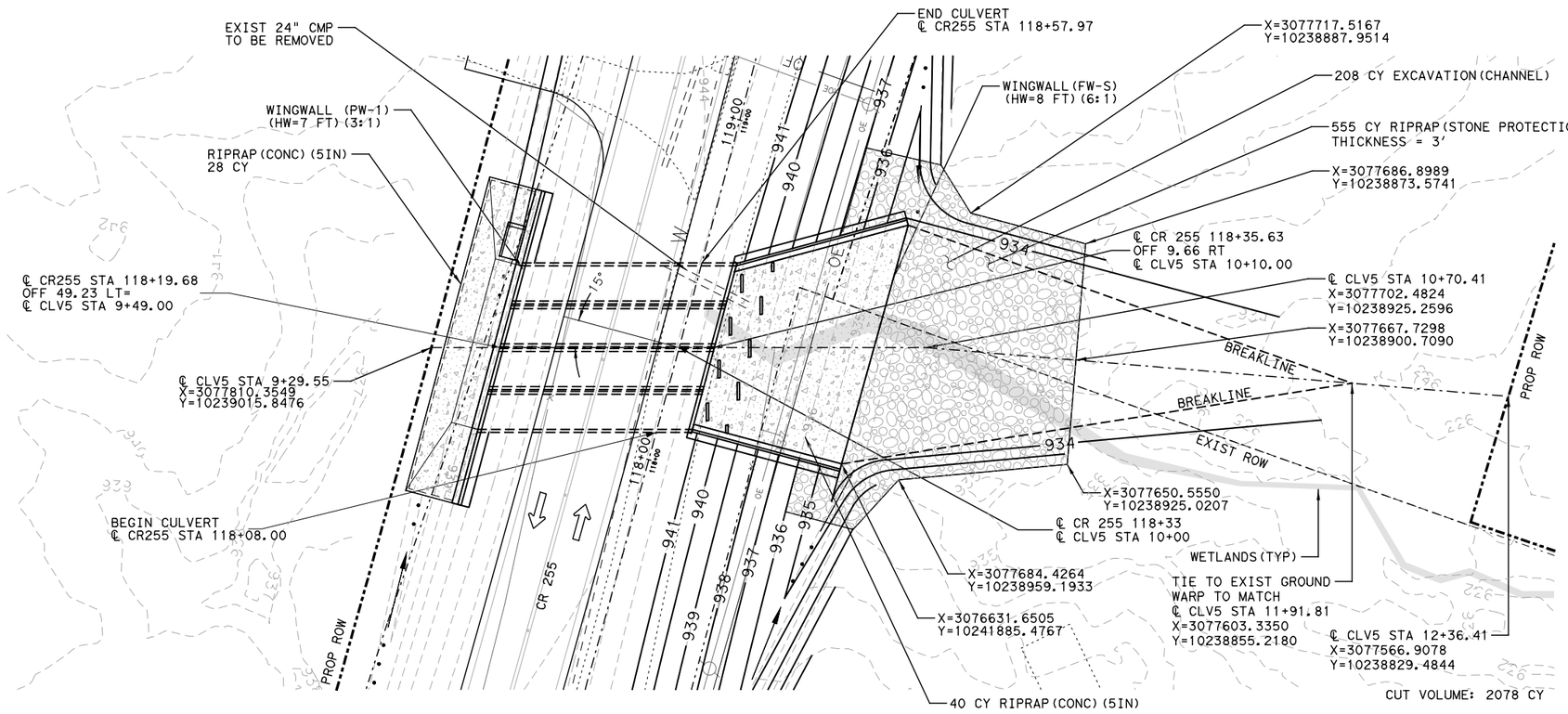


0 20 40

SCALE: 1" = 40'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW

HYDRAULIC DATA

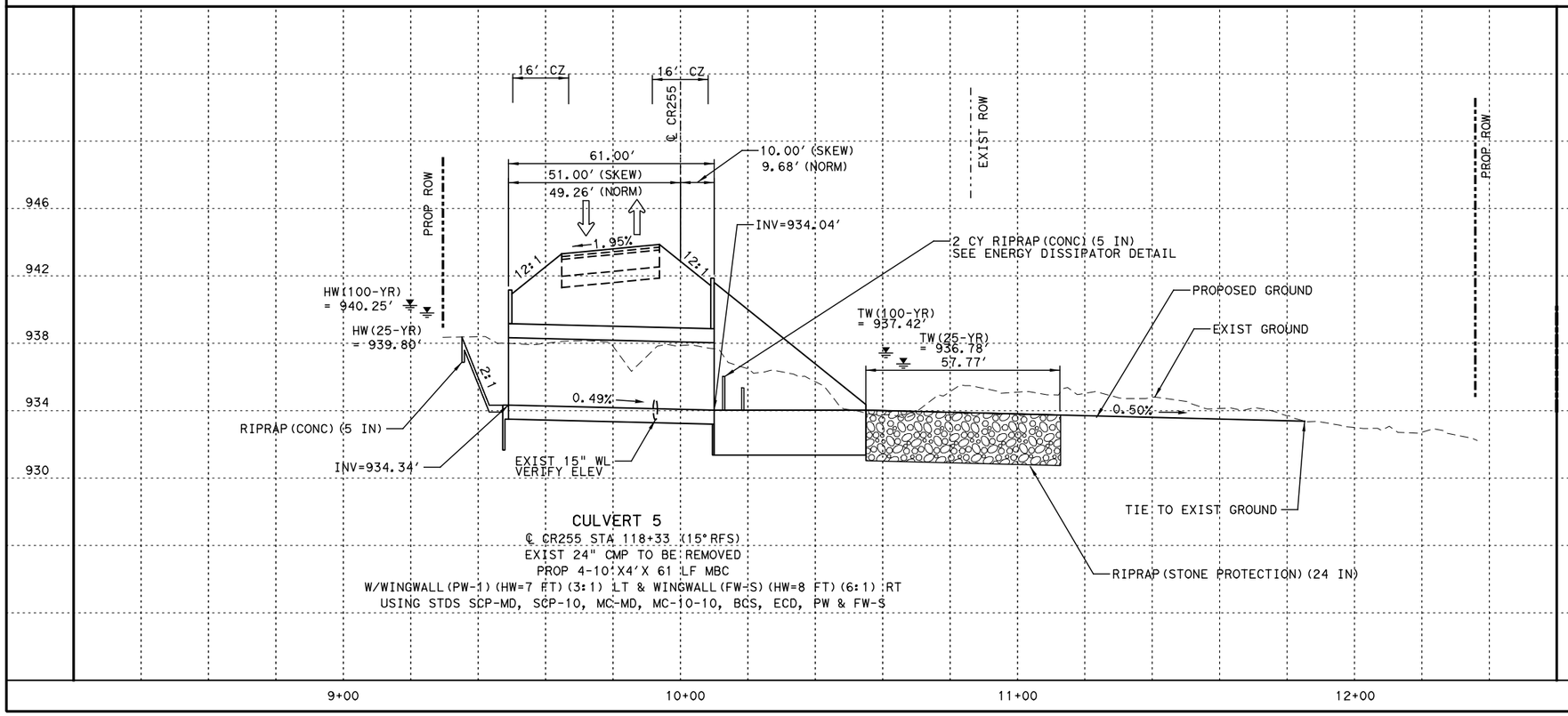
25-YR ANALYSIS:
D.A. = 374.93 AC.
Q = 994 CFS
ALLOWABLE HW = 943.31'
OUTLET VELOCITY = 10.66 FPS
Q = 0 CFS (OVER THE ROAD)

100-YR ANALYSIS:
Q = 1560 CFS
OUTLET VELOCITY = 13.65 FPS
Q = 0 CFS (OVER THE ROAD)

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION.
2. EXIST CONTOURS SHOWN AT 1' INTERVALS
3. REFER TO THE HYDRAULIC DATA SHEETS FOR RESULTS OF HEC-RAS ANALYSIS.

NBI# 14-246-AA02-89-005



CULVERT 5
℄ CR255 STA 118+33 (15° RFS)
EXIST 24" CMP TO BE REMOVED
PROP 4-10'X4'X 61 LF MBC
W/WINGWALL (PW-1) (HW=7 FT) (3:1) LT & WINGWALL (FW-S) (HW=8 FT) (6:1) RT
USING STDS SCP-MD, SCP-10, MC-MD, MC-10-10, BCS, ECD, PW & FW-S

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
BRIDGE CLASS CULVERT LAYOUT

CULVERT 5
STA 118+33

H SCALE: 1" = 40'
V SCALE: 1" = 8'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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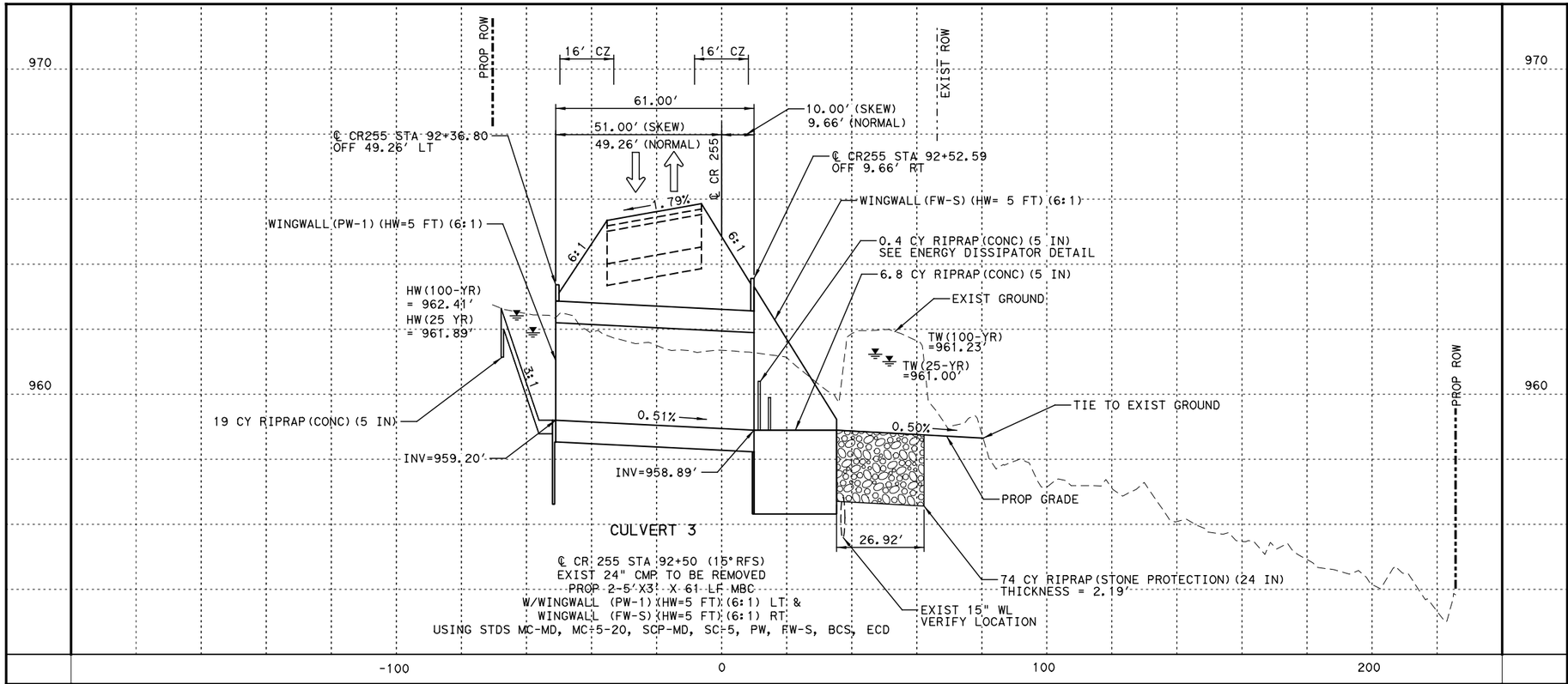

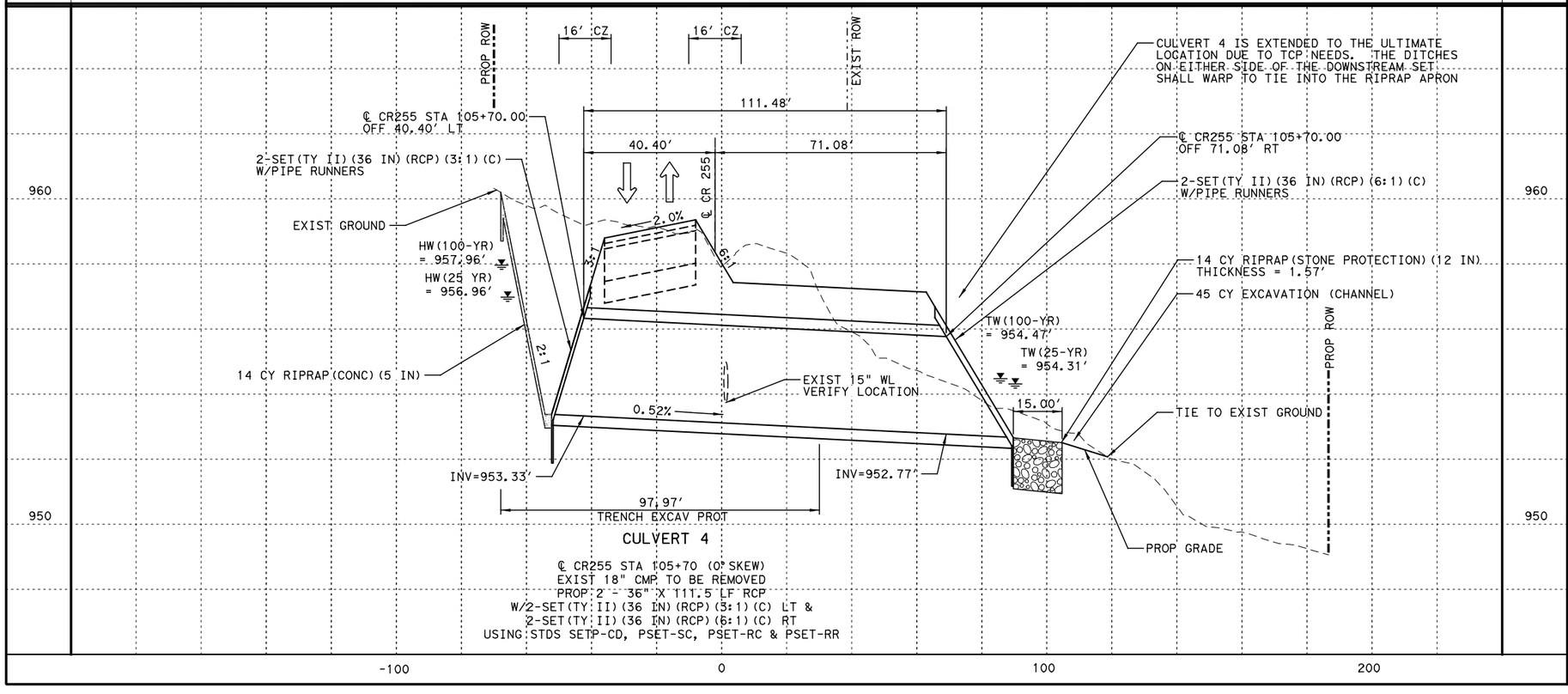

0 20 40
SCALE: 1" = 40'

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION FOR BOX CULVERTS.
2. REFER TO DITCH PLAN & PROFILE SHEETS FOR ADDITIONAL DRAINAGE DETAILS.
3. REFER TO THE CULVERT COMPUTATION SHEETS FOR HYDRAULIC DATA.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
CULVERT PROFILES
CULVERT 3 - STA 92+50
CULVERT 4 - STA 105+70

H SCALE: 1" = 40'
V SCALE: 1" = 4'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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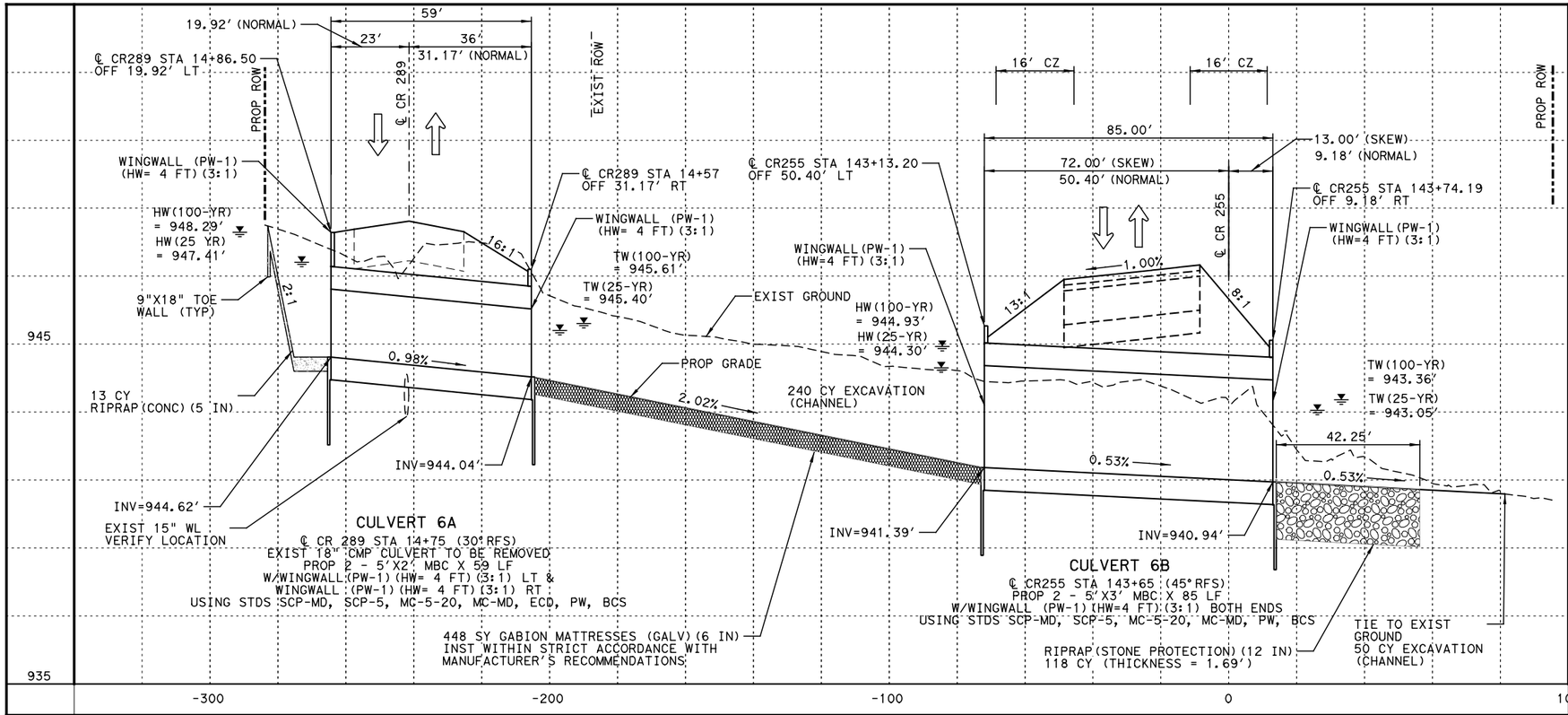

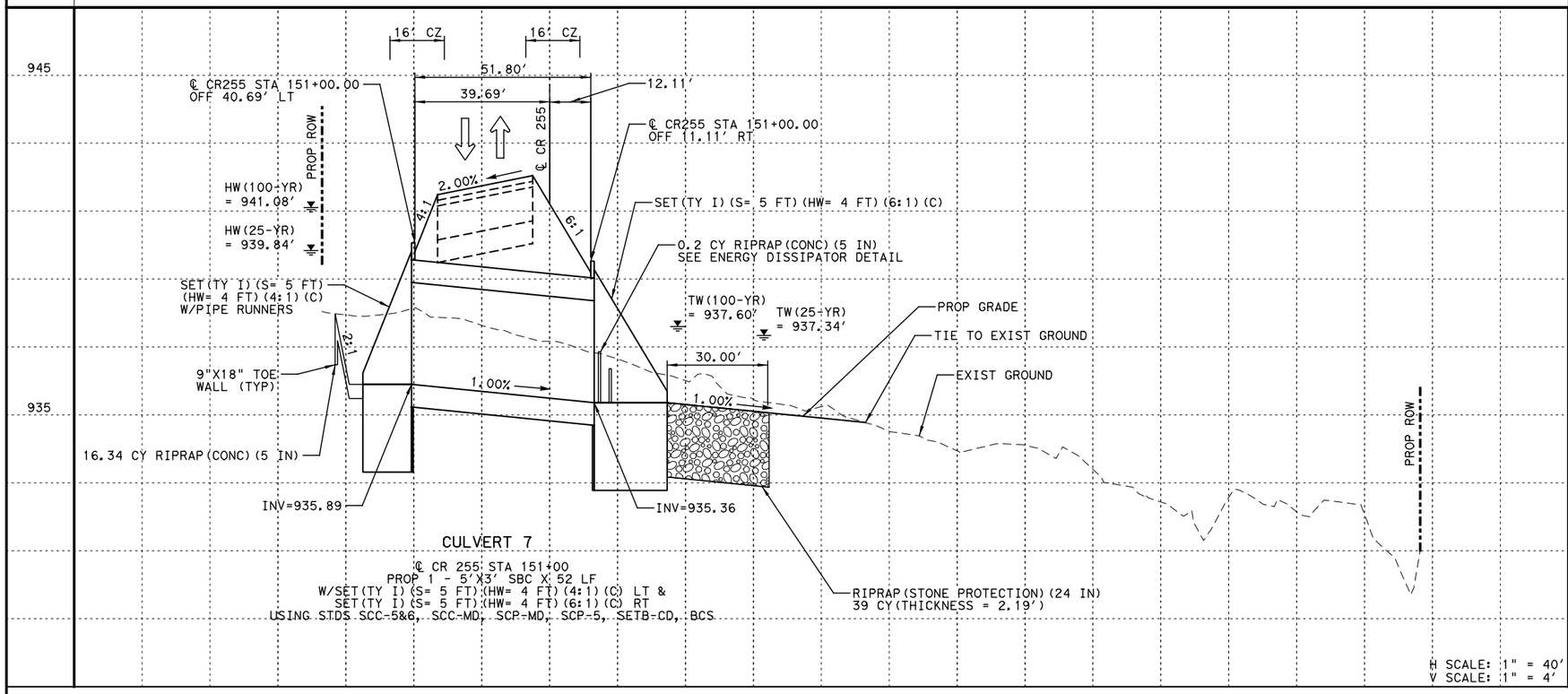

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION FOR BOX CULVERTS.
2. REFER TO DITCH PLAN & PROFILE SHEETS FOR ADDITIONAL DRAINAGE DETAILS.
3. REFER TO THE CULVERT COMPUTATION SHEETS FOR HYDRAULIC DATA.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

CULVERT PROFILES

CULVERT 6A - CR289 STA 14+75
CULVERT 6B - STA 143+65
CULVERT 7 - STA 151+00

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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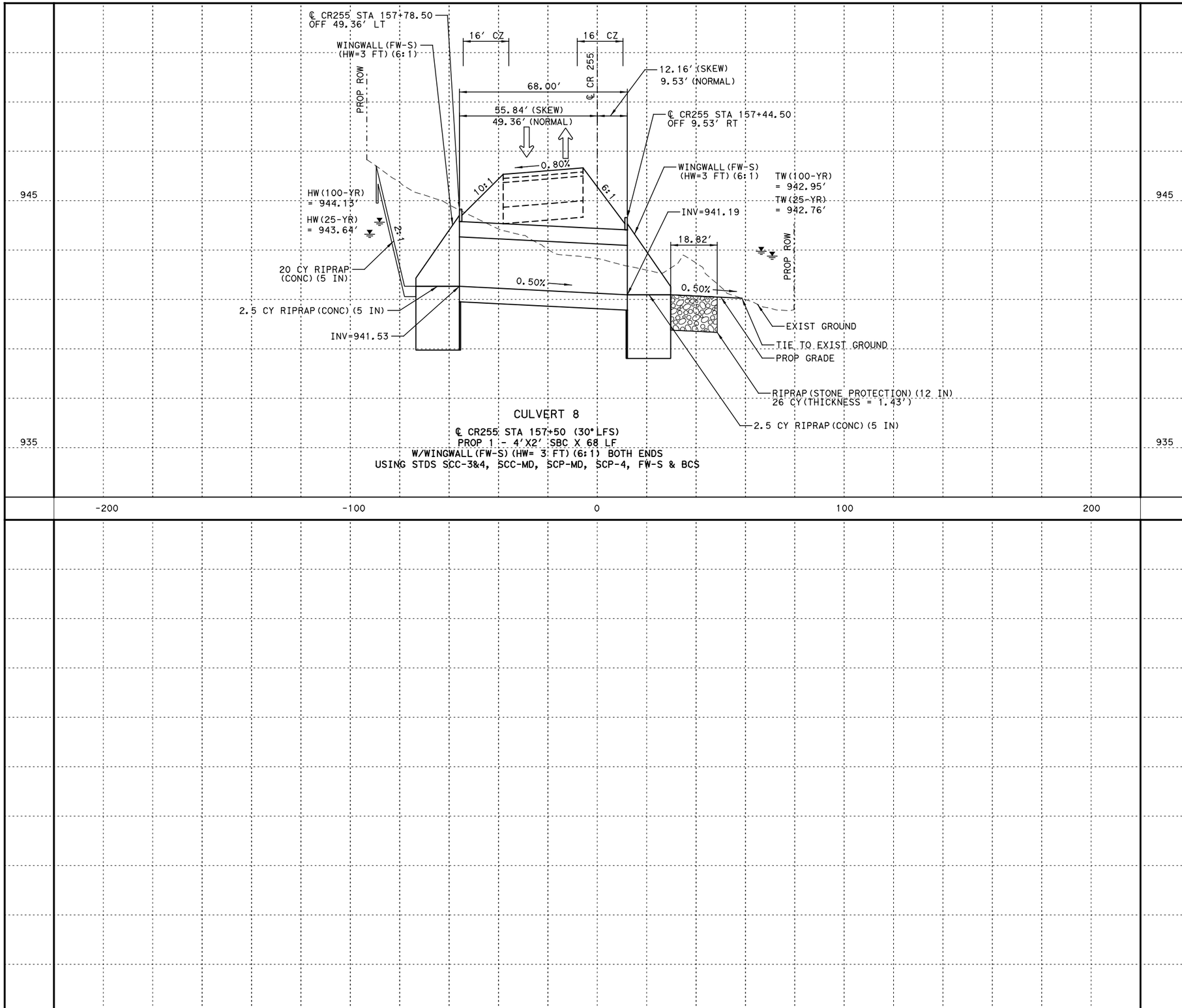

CULVERT 8

℄ CR255 STA 157+50 (30° LFS)
PROP 1 - 4'X2' SBC X 68 LF
W/WINGWALL (FW-S) (HW= 3 FT) (6:1) BOTH ENDS
USING STDS SCC-3&4, SCC-MD, SCP-MD, SCP-4, FW-S & BCS

0 20 40
SCALE: 1" = 40'

NOTES:

1. REFER TO BOX CULVERT SUPPLEMENT (BCS) SHEET FOR ADDITIONAL INFORMATION FOR BOX CULVERTS.
2. REFER TO DITCH PLAN & PROFILE SHEETS FOR ADDITIONAL DRAINAGE DETAILS.
3. REFER TO THE CULVERT COMPUTATION SHEETS FOR HYDRAULIC DATA.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER

Clay E. Gann, P.E.
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
CULVERT PROFILES
CULVERT 8 - STA 157+50

H SCALE: 1" = 40'
V SCALE: 1" = 4'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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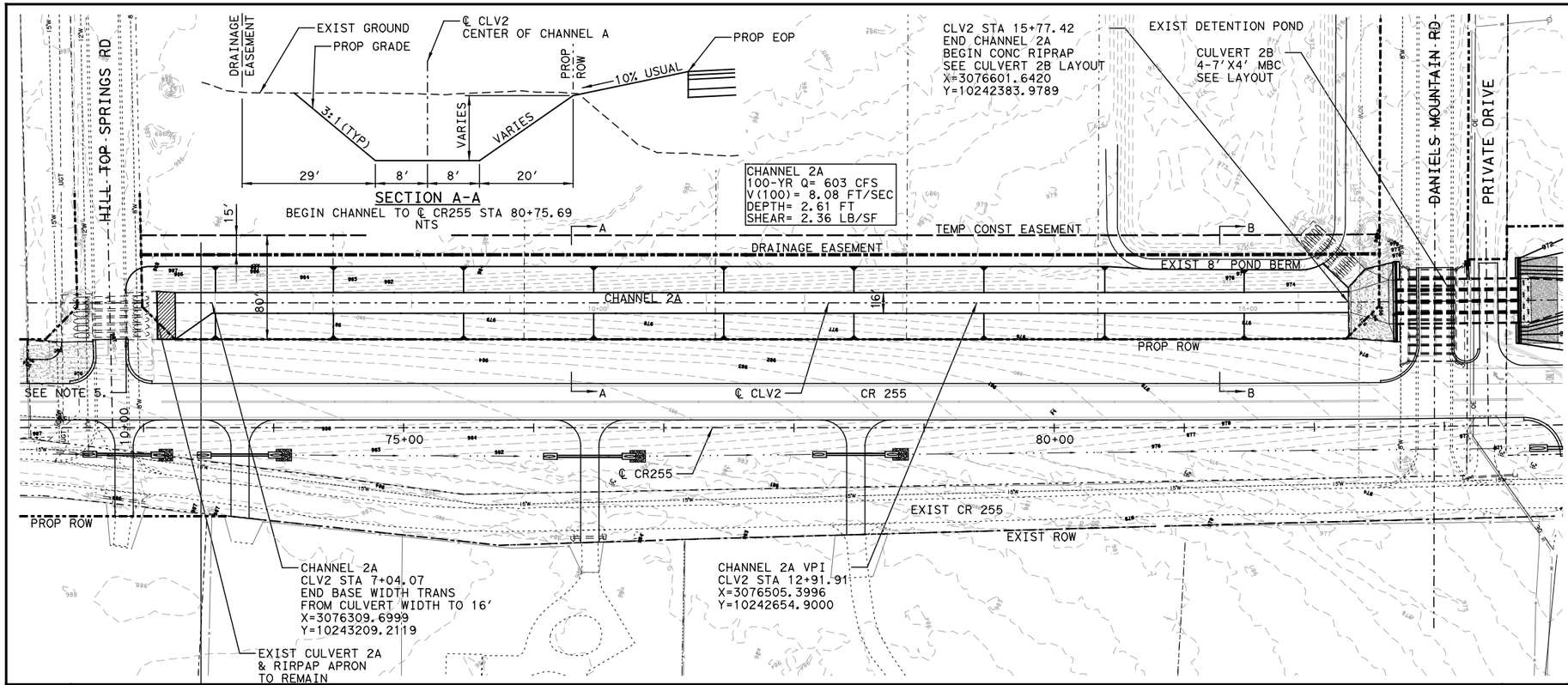


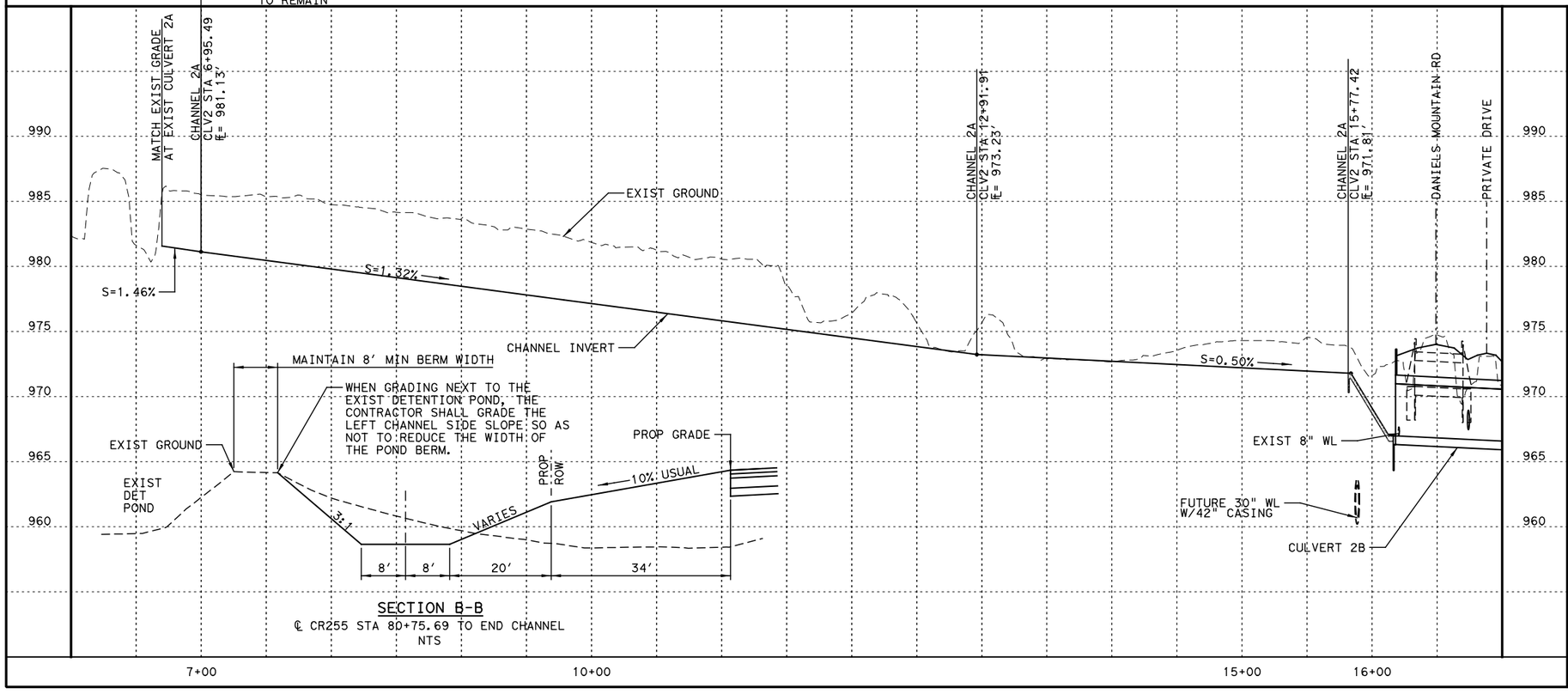
0 50 100
H SCALE: 1" = 100'
V SCALE: 1" = 10'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW

NOTES:

1. REFER TO HYDRAULIC DATA SHEETS FOR CULVERT 2 FOR DETAILED HYDRAULIC PROPERTIES ALONG THE CHANNEL.
2. SEE ROADWAY PLANS FOR EXCAVATION QUANTITY.
3. CONTOURS ARE SHOWN AT 1' INTERVALS.
4. SEE SWPPP SHEETS FOR SRB DETAILS.
5. SAWCUT & REMOVE PORTIONS OF EXIST RIPRAP APRON PER ENGINEER'S DIRECTION AS NEEDED TO CONST HILL TOP SPRINGS DRIVEWAY.
6. NO TREES SHALL BE REMOVED OR HARMED WITHIN THE TEMP CONST EASEMENT.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
CHANNEL LAYOUT

CHANNEL 2A

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	203

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SUMMARY OF CULVERTS AT DRIVEWAYS & COUNTY ROADS

CULVERT I.D.	CULVERT DESCRIPTION (# - SIZE X LENGTH @ SLOPE)	U.S. NODE I.D.	U.S. NODE DESCRIPTION	U.S. NODE LOCATION	U.S. INVERT (FT)	D.S. NODE I.D.	D.S. NODE DESCRIPTION	D.S. NODE LOCATION	D.S. INVERT (FT)
LINE 1A1	1 - 18" RCP X 41 ' @ 1.02 %	1A1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 22+75.00 , -53.50 ' LT	1025.50	1A2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 23+16.00 , -53.30 ' LT	1025.08
LINE 1A3	2 - 4' x 3' BC X 26 ' @ 0.99 %	1A3	SET(2TY I) (S=4') (HW=4') (6:1) (P)	CR255 STA 26+57.00 , -54.00 ' LT	1020.80	1A4	SET(2TY I) (S=4') (HW=4') (6:1) (P)	CR255 STA 26+83.00 , -54.00 ' LT	1020.54
LINE 1A5	2 - 5' x 3' BC X 40 ' @ 1.01 %	1A5	SET(2TY I) (S=5') (HW=4') (6:1) (P)	CR255 STA 39+69.00 , -54.00 ' LT	1007.87	1A6	SET(2TY I) (S=5') (HW=4') (6:1) (P)	CR255 STA 40+09.00 , -54.00 ' LT	1007.47
LINE 1B1	1 - 24" RCP X 54 ' @ 0.59 %	1B1	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 47+92.00 , -52.80 ' LT	1006.93	1B2	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 47+37.00 , -51.70 ' LT	1006.61
LINE 1B3	1 - 3' x 2' BC X 54 ' @ 0.60 %	1B3	SET(TY I) (S=3') (HW=3') (6:1) (P)	CR255 STA 47+03.00 , -52.20 ' LT	1006.74	1B4	SET(TY I) (S=3') (HW=3') (3:1) (C)	CR255 STA 46+48.00 , -52.20 ' LT	1006.41
LINE 2A1	1 - 24" RCP X 51 ' @ 0.64 %	2A1	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 51+75.00 , -54.50 ' LT	1007.40	2A2	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 52+26.00 , -54.00 ' LT	1007.07
LINE 2A3	2 - 24" RCP X 28 ' @ 0.75 %	2A3	SET (2-TY II) (24") (RCP) (6:1) (P)	CR255 STA 58+52.00 , -54.00 ' LT	1002.97	2A4	SET (2-TY II) (24") (RCP) (6:1) (P)	CR255 STA 58+80.00 , -54.00 ' LT	1002.76
LINE 2A5	2 - 24" RCP X 28 ' @ 1.79 %	2A5	SET (2-TY II) (24") (RCP) (6:1) (P)	CR255 STA 61+54.00 , -54.00 ' LT	998.73	2A6	SET (2-TY II) (24") (RCP) (6:1) (P)	CR255 STA 61+82.00 , -54.00 ' LT	998.23
LINE 2A7	1 - 3' x 2' BC X 21 ' @ 1.67 %	2A7	SET(TY I) (S=3') (HW=3') (6:1) (P)	CR255 STA 64+48.00 , -54.00 ' LT	993.77	2A8	SET(TY I) (S=3') (HW=3') (6:1) (P)	CR255 STA 64+69.00 , -54.00 ' LT	993.42
LINE 2A9	1 - 3' x 2' BC X 23 ' @ 1.17 %	2A9	SET(TY I) (S=3') (HW=3') (6:1) (P)	CR255 STA 67+06.00 , -55.00 ' LT	989.44	2A10	SET(TY I) (S=3') (HW=3') (6:1) (P)	CR255 STA 67+29.00 , -55.00 ' LT	989.17
LINE 2C1	1 - 18" RCP X 53 ' @ 0.53 %	2C1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 56+70.00 , 22.00 ' RT	1003.97	2C2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 57+23.00 , 20.00 ' RT	1003.69
LINE 2C3	1 - 18" RCP X 82 ' @ 1.51 %	2C3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 63+58.00 , 25.00 ' RT	993.87	2C4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 64+40.00 , 25.00 ' RT	992.63
LINE 2C5	1 - 18" RCP X 96 ' @ 0.93 %	2C5	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 68+70.00 , 18.50 ' RT	987.21	2C8	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 69+66.00 , 19.50 ' RT	986.32
LINE 2C9	1 - 18" RCP X 42 ' @ 0.79 %	2C9	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 72+64.00 , 20.30 ' RT	984.02	2C10	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 73+06.00 , 21.00 ' RT	983.69
LINE 3A1	1 - 18" RCP X 41 ' @ 1.08 %	3A1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 88+13.00 , -48.50 ' LT	965.26	3A2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 88+53.00 , -56.00 ' LT	964.82
LINE 3A3	1 - 18" RCP X 42 ' @ 0.98 %	3A3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 89+35.00 , -55.80 ' LT	964.03	3A4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 89+77.00 , -56.20 ' LT	963.62
LINE 3C3	1 - 18" RCP X 68 ' @ 0.84 %	3C3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 90+52.00 , 30.60 ' RT	961.33	3C4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 91+20.00 , 30.70 ' RT	960.76
LINE 3D0	1 - 18" RCP X 82 ' @ 0.51 %	3D0	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 97+89.00 , 31.00 ' RT	961.46	3D1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 97+07.00 , 31.30 ' RT	961.04
LINE 3D2	1 - 18" RCP X 69 ' @ 0.51 %	3D2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 95+23.00 , 31.80 ' RT	960.13	3D3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 94+54.00 , 32.00 ' RT	959.78
LINE 4A1	1 - 24" RCP X 71 ' @ 3.25 %	4A1	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 104+80.00 , -49.60 ' LT	955.69	4A2	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 105+50.97 , -52.66 ' LT	953.38
LINE 4C1	1 - 18" RCP X 91 ' @ 1.37 %	4C1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 100+40.00 , 36.40 ' RT	960.10	4C2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 101+32.00 , 36.00 ' RT	958.85
LINE 5A1	1 - 18" RCP X 46 ' @ 0.52 %	5A1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 108+26.00 , -50.00 ' LT	954.92	5A2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 108+72.00 , -51.20 ' LT	954.68
LINE 5A3	1 - 18" RCP X 50 ' @ 3.02 %	5A3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 112+75.00 , -56.60 ' LT	948.77	5A4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 113+25.00 , -57.50 ' LT	947.27
LINE 5B1	1 - 18" RCP X 65 ' @ 3.03 %	5B1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 130+58.00 , -52.80 ' LT	962.48	5B2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 129+93.00 , -55.20 ' LT	960.51
LINE 5B3	1 - 4' x 2' BC X 67 ' @ 7.30 %	5B3	SET(TY I) (S=4') (HW=3') (6:1) (P)	CR255 STA 119+21.00 , -56.00 ' LT	939.22	5B4	SET(TY I) (S=4') (HW=3') (3:1) (C)	CR255 STA 118+54.00 , -53.61 ' LT	934.35
LINE 5C1	1 - 18" RCP X 59 ' @ 2.87 %	5C1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 112+21.00 , 24.50 ' RT	949.52	5C2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 112+80.00 , 26.00 ' RT	947.82
LINE 5C3	1 - 18" RCP X 64 ' @ 2.59 %	5C3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 114+13.00 , 29.00 ' RT	944.07	5C4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 114+77.00 , 29.00 ' RT	942.41
LINE 5C5	1 - 18" RCP X 93 ' @ 2.50 %	5C5	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 115+77.47 , 31.00 ' RT	939.90	5C6	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 116+70.00 , 37.20 ' RT	937.57
LINE 5D1	1 - 18" RCP X 96 ' @ 5.44 %	5D1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 127+93.00 , 37.50 ' RT	953.16	5D2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 126+98.00 , 49.00 ' RT	947.95
LINE 5D3	1 - 18" RCP X 98 ' @ 0.69 %	5D3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 121+86.00 , 47.00 ' RT	938.91	5D4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 120+88.00 , 42.00 ' RT	938.24
LINE 6C1	1 - 18" RCP X 76 ' @ 1.74 %	6C1	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 134+80.00 , 34.20 ' RT	962.08	6C2	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 135+56.00 , 37.00 ' RT	960.76
LINE 6C3	1 - 18" RCP X 79 ' @ 1.96 %	6C3	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 136+14.00 , 37.00 ' RT	959.63	6C4	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 136+93.00 , 36.20 ' RT	958.09
LINE 6C5	1 - 18" RCP X 86 ' @ 1.83 %	6C5	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 141+15.00 , 37.00 ' RT	944.69	6C6	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 142+00.00 , 33.80 ' RT	943.12
LINE 6D1	1 - 18" RCP X 25 ' @ 1.90 %	6D1	SET (TY II) (18") (RCP) (6:1) (P)	CR289 STA 15+54.00 , 22.00 ' RT	947.00	6D2	SET (TY II) (18") (RCP) (6:1) (P)	CR289 STA 15+30.00 , 24.40 ' RT	946.53
LINE 9A1	1 - 18" RCP X 108 ' @ 1.66 %	9A1	SET (TY II) (18") (RCP) (6:1) (P)	RRB STA 23+00.00 , -56.00 ' LT	952.97	9A2	SET (TY II) (18") (RCP) (6:1) (P)	RRB STA 21+93.00 , -49.00 ' LT	951.18
LINE 9A3	1 - 24" RCP X 102 ' @ 2.21 %	9A3	SET (TY II) (24") (RCP) (6:1) (P)	RRB STA 19+39.96 , -59.00 ' LT	944.08	9A OUT	SET (TY II) (24") (RCP) (6:1) (P)	RRB STA 18+38.66 , -59.00 ' LT	941.83
LINE 2C11	1 - 18" RCP X 44 ' @ 0.80 %	2C11	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 73+52.00 , 21.00 ' RT	983.34	2C12	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 73+96.00 , 21.00 ' RT	982.99
LINE 2C13	1 - 18" RCP X 50 ' @ 0.78 %	2C13	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 76+18.00 , 22.00 ' RT	981.27	2C14	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 76+68.00 , 22.00 ' RT	980.88
LINE 2C15	1 - 18" RCP X 45 ' @ 1.71 %	2C15	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 78+25.00 , 20.50 ' RT	979.46	2C16	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 78+70.00 , 20.50 ' RT	978.69
LINE 2C17	1 - 24" RCP X 52 ' @ 1.65 %	2C17	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 83+79.00 , 17.70 ' RT	970.22	2C18	SET (TY II) (24") (RCP) (6:1) (P)	CR255 STA 84+31.00 , 18.00 ' RT	969.36
LINE 2C20	1 - 18" RCP X 54 ' @ 0.56 %	2C20	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 54+67.00 , 27.00 ' RT	1005.05	2C21	SET (TY II) (18") (RCP) (6:1) (P)	CR255 STA 55+21.00 , 25.00 ' RT	1004.75

ADDENDUM #2

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
12/11/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRIVEWAY CULVERT SUMMARY

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	204

USER: JuanAlmaguer
DATE: 12/11/2024 6:35:17 PM
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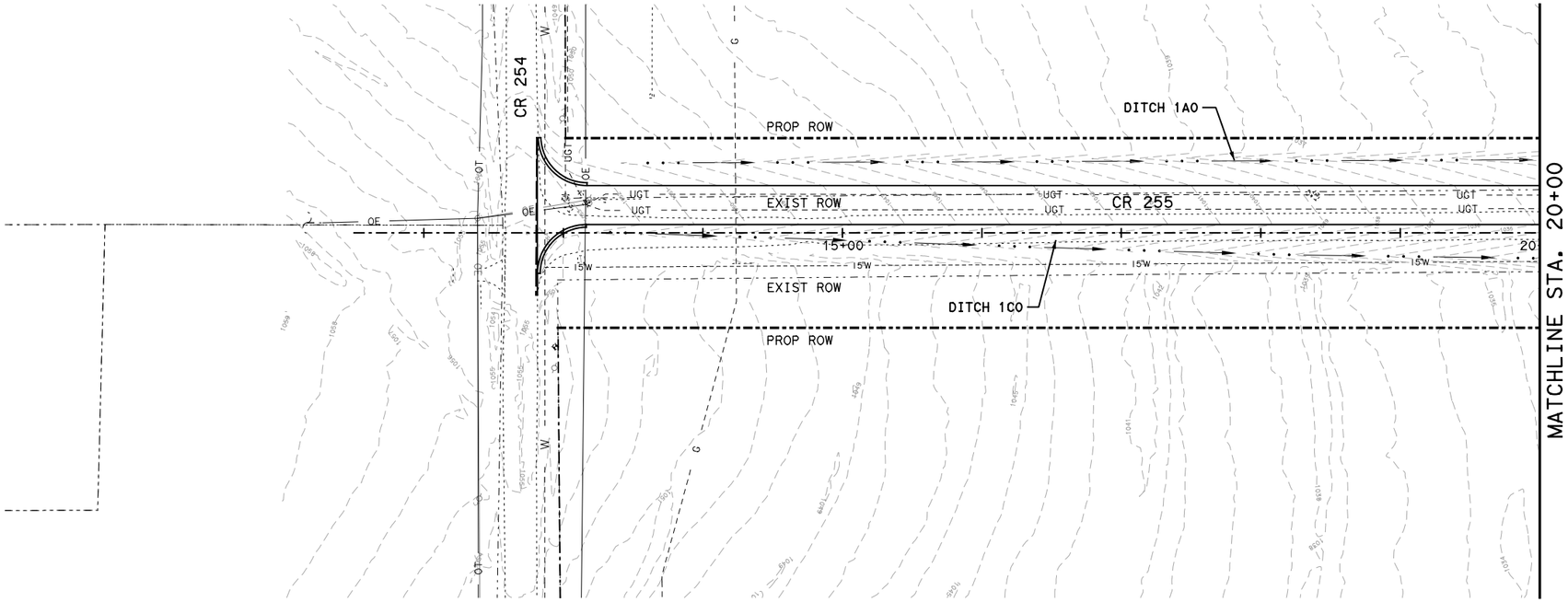


0 50 100

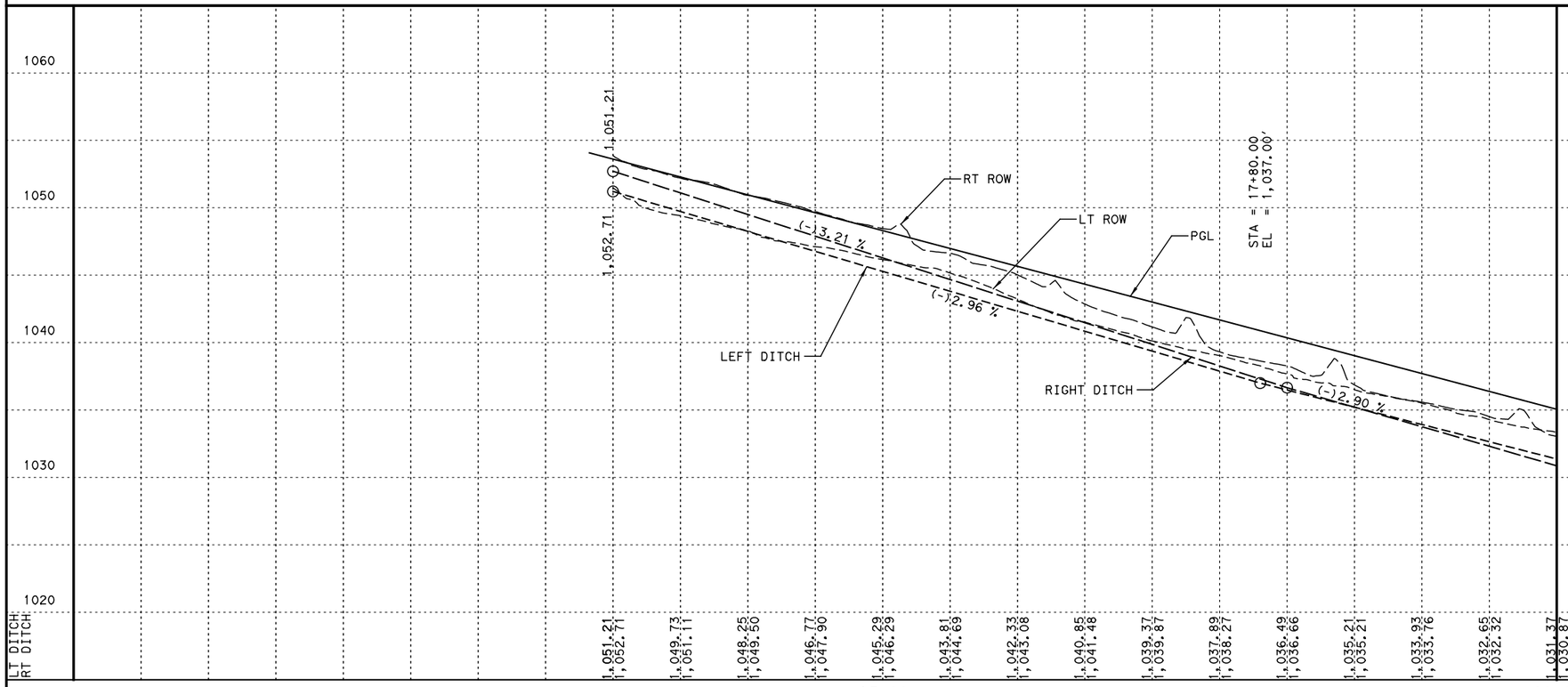
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
BEGIN PROJECT TO STA 20+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 1 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	205

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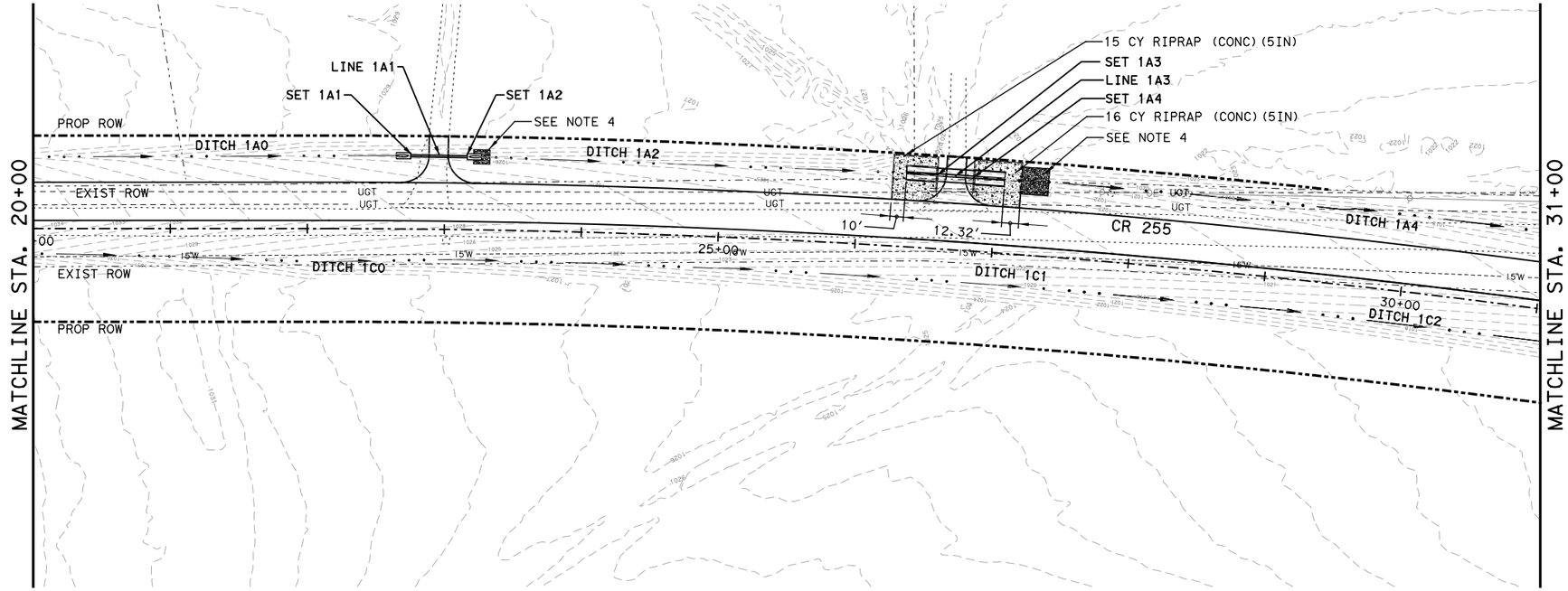


0 50 100

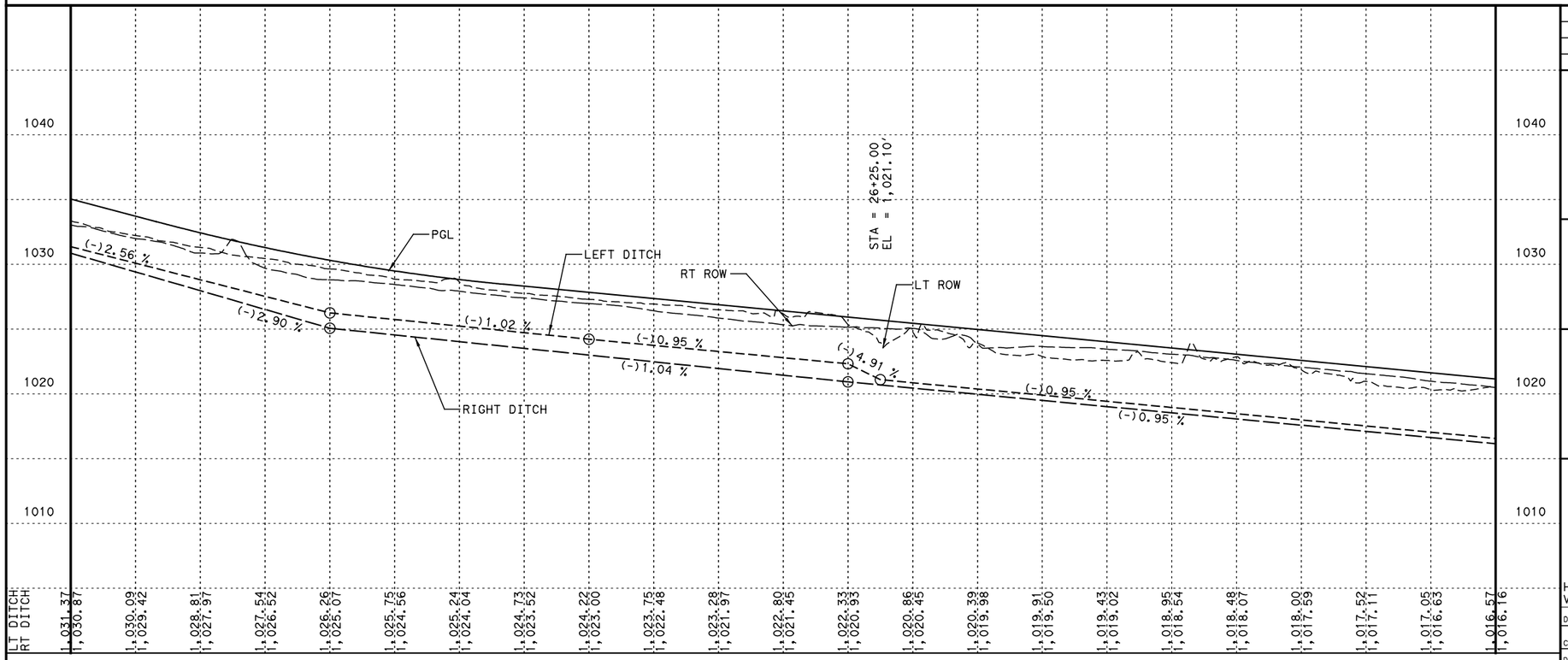
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 20+00 TO 31+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 2 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	206

USER: ClayGann
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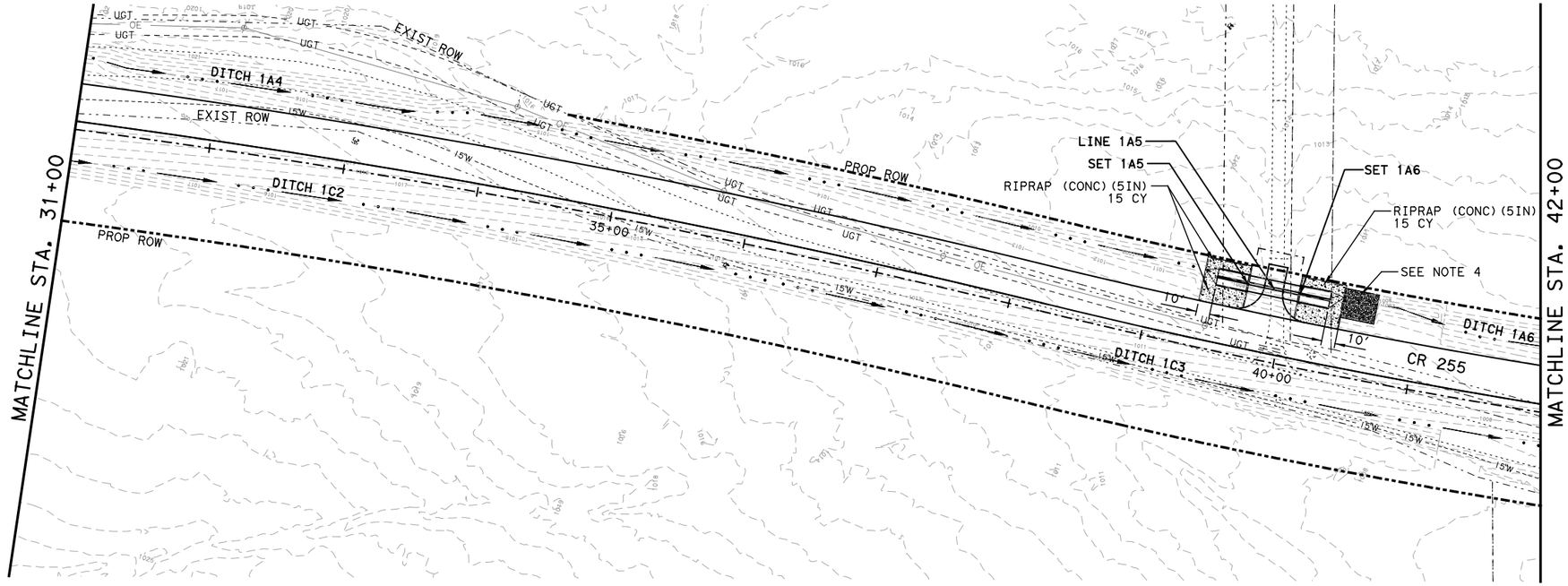

0 50 100

SCALE: 1" = 100'

LEGEND

DITCH XX	DITCH FLOWLINE
	PROP CONTOUR
	EXIST ROW
	EXIST TOPOGRAPHY
15'W	EXIST UG UTILITY
OT	EXIST OH UTILITY
	EXIST CULVERTS
	PROP ROADWAY
	PROP WINGWALLS/CONTOURS
	PROP CULVERT
	PROP ROW
	EXIST STORM SEWER
	PROP STORM SEWER
	PROP SET
	SRB TYPE 2, CLASS H (MUST BE TRM)
	RIPRAP (CONC)
	RIPRAP (STONE)
	DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

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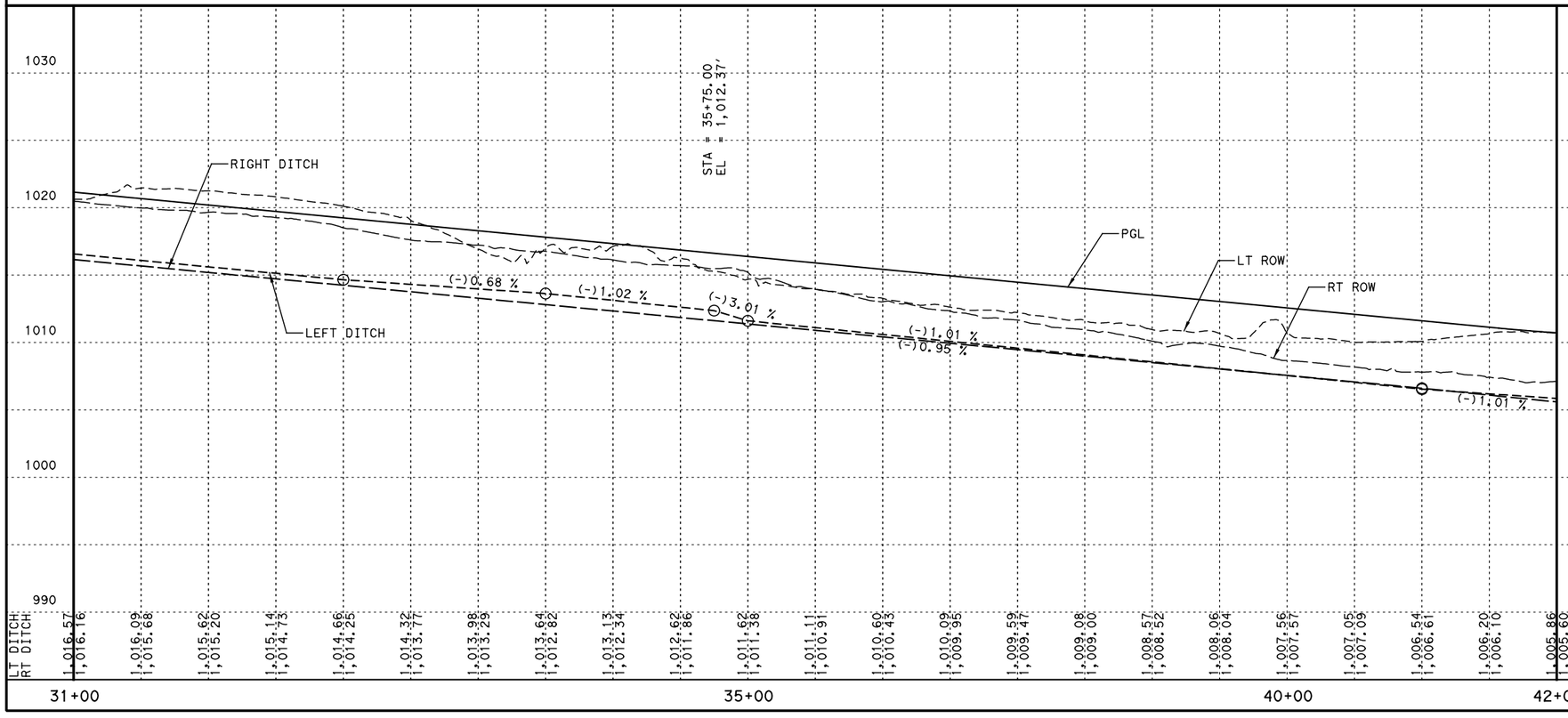
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 31+00 TO 42+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 3 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	207

USER: ClayGann
DATE: 10/25/2024 8:38:43 AM
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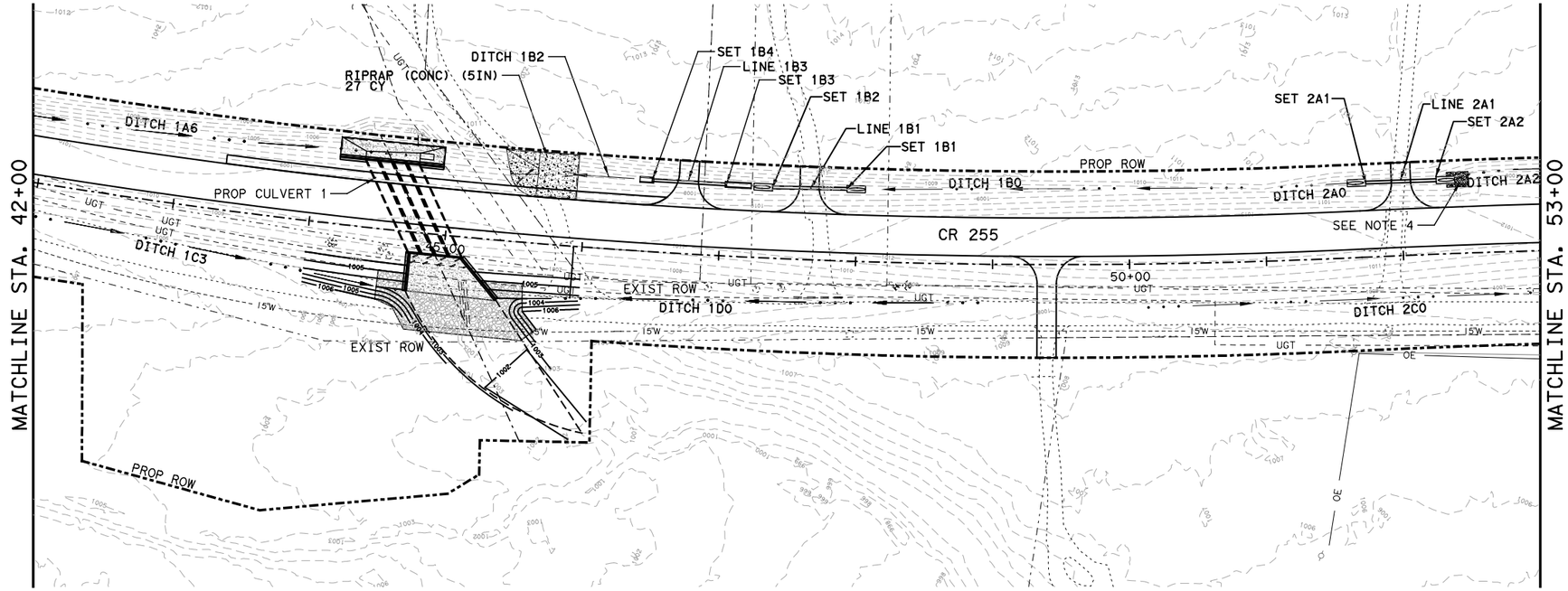


0 50 100
SCALE: 1" = 100'

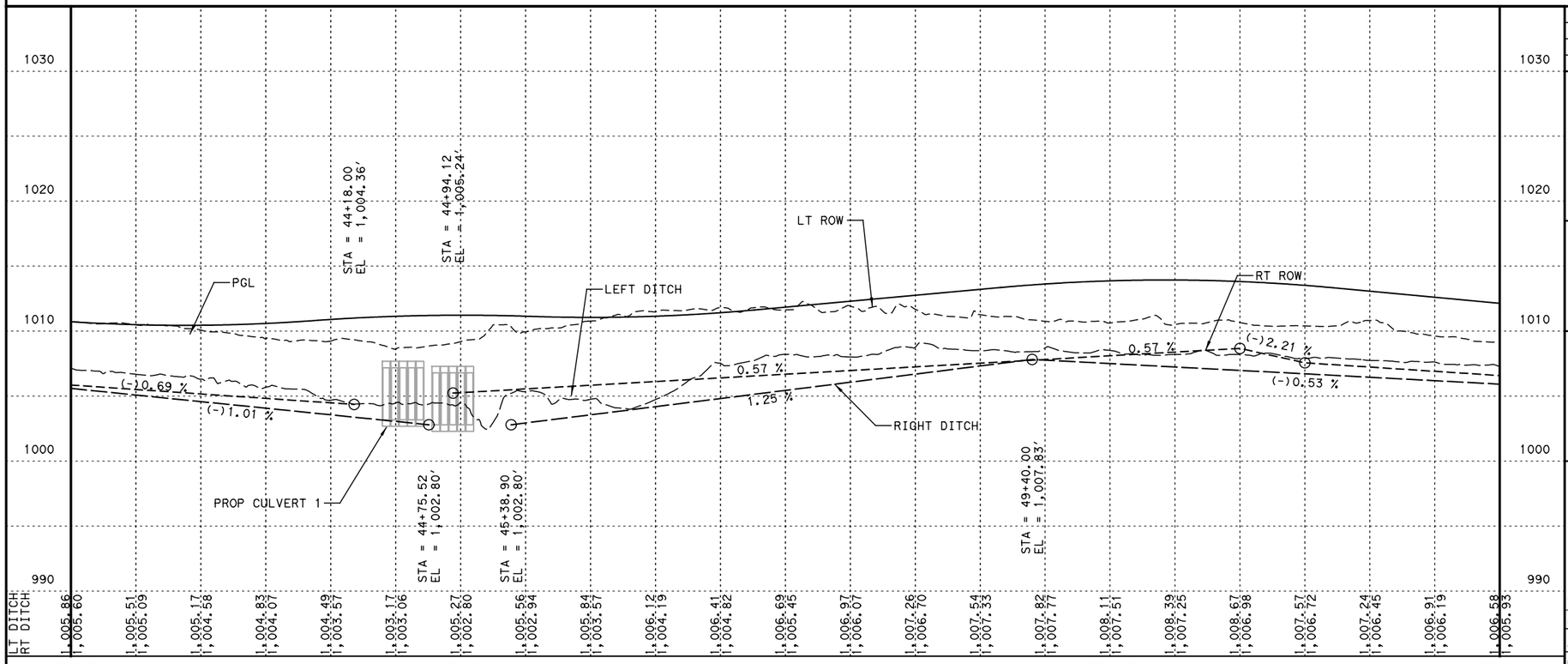
LEGEND

DITCH XX	DITCH FLOWLINE
	PROP CONTOUR
	EXIST ROW
	EXIST TOPOGRAPHY
15'W	EXIST UG UTILITY
OT	EXIST OH UTILITY
	EXIST CULVERTS
	PROP ROADWAY
	PROP WINGWALLS/CONTOURS
	PROP CULVERT
	PROP ROW
	EXIST STORM SEWER
	PROP STORM SEWER
	PROP SET
	SRB TYPE 2, CLASS H (MUST BE TRM)
	RIPRAP (CONC)
	RIPRAP (STONE)
	DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.

ADDENDUM #2



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
12/11/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 42+00 TO 53+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 4 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	208

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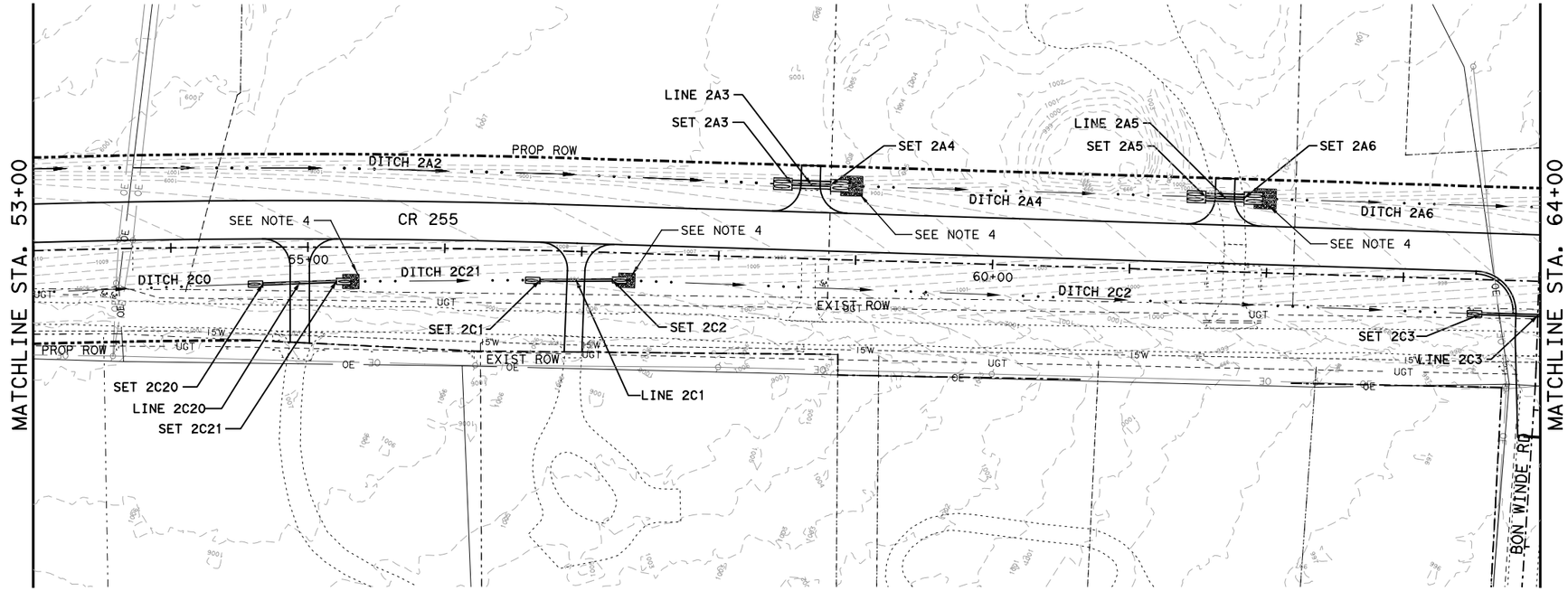


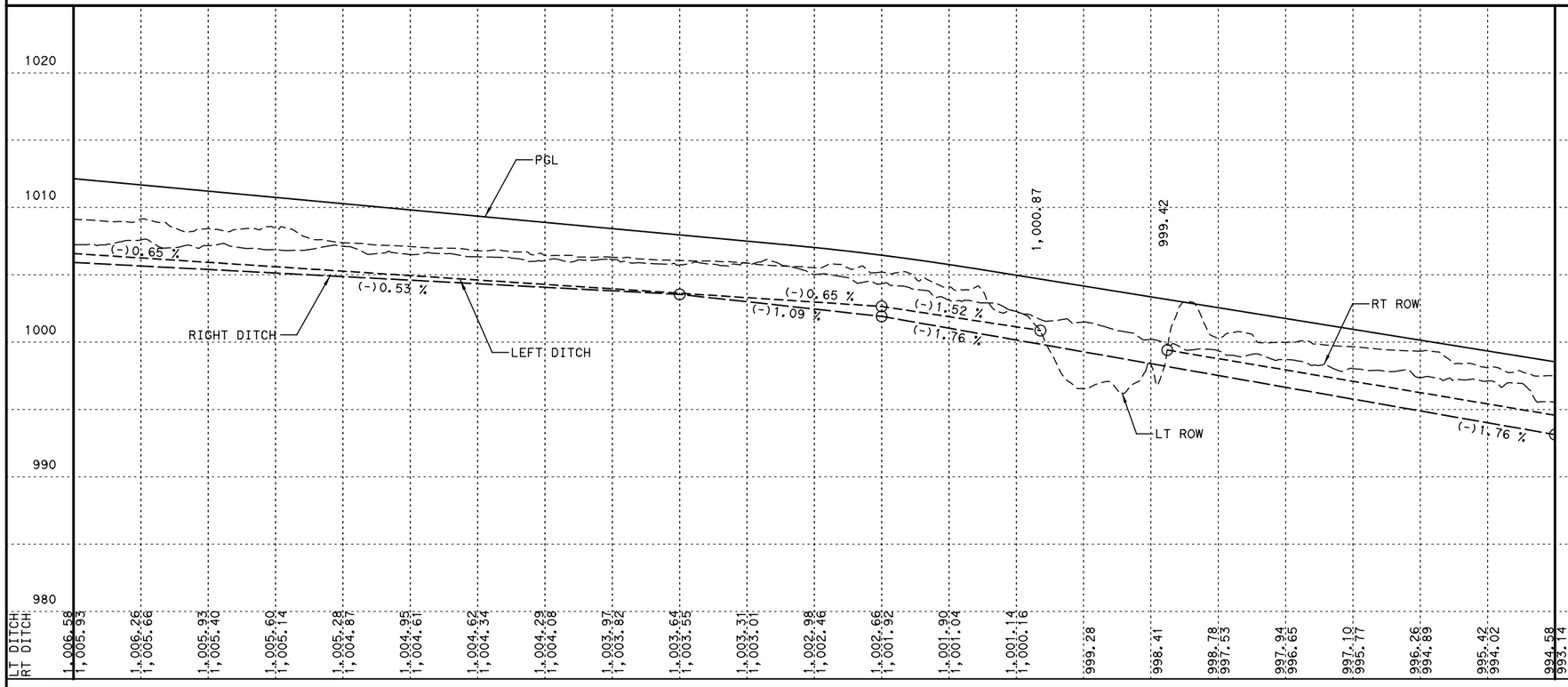
0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 53+00 TO 64+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 5 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	209

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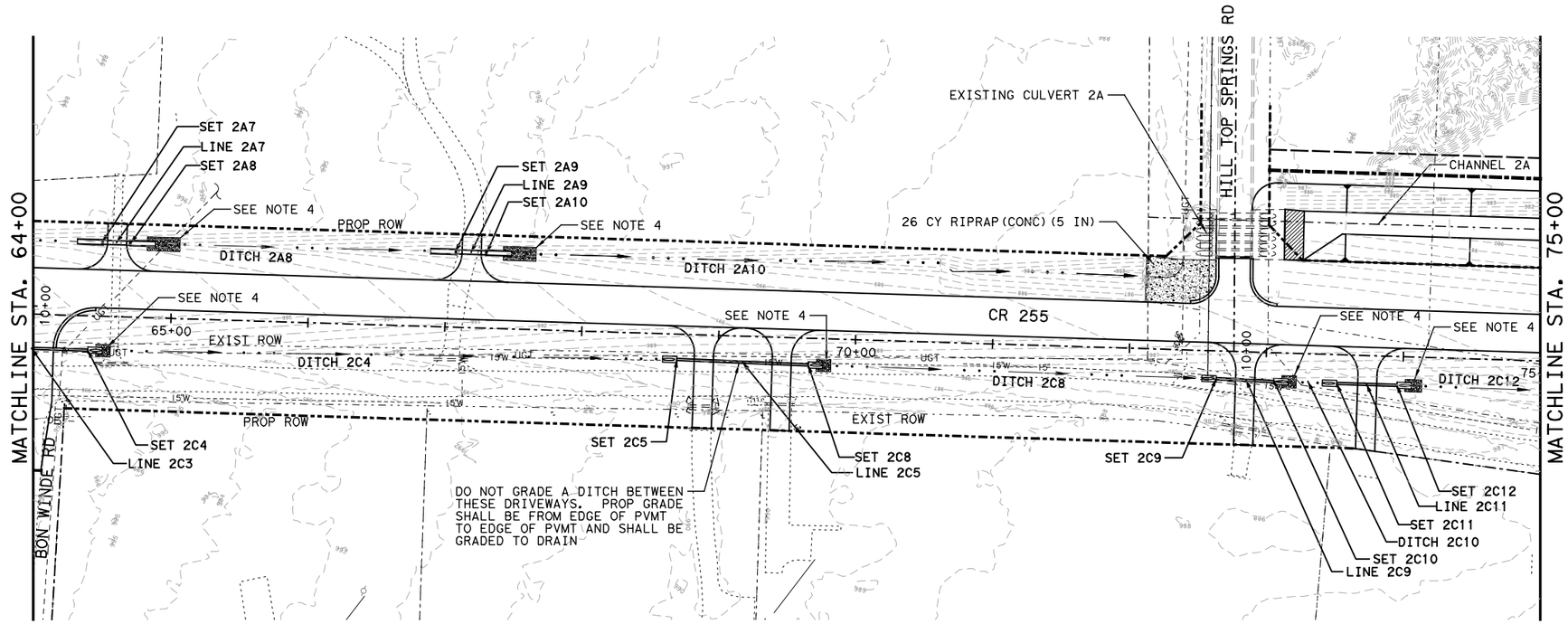


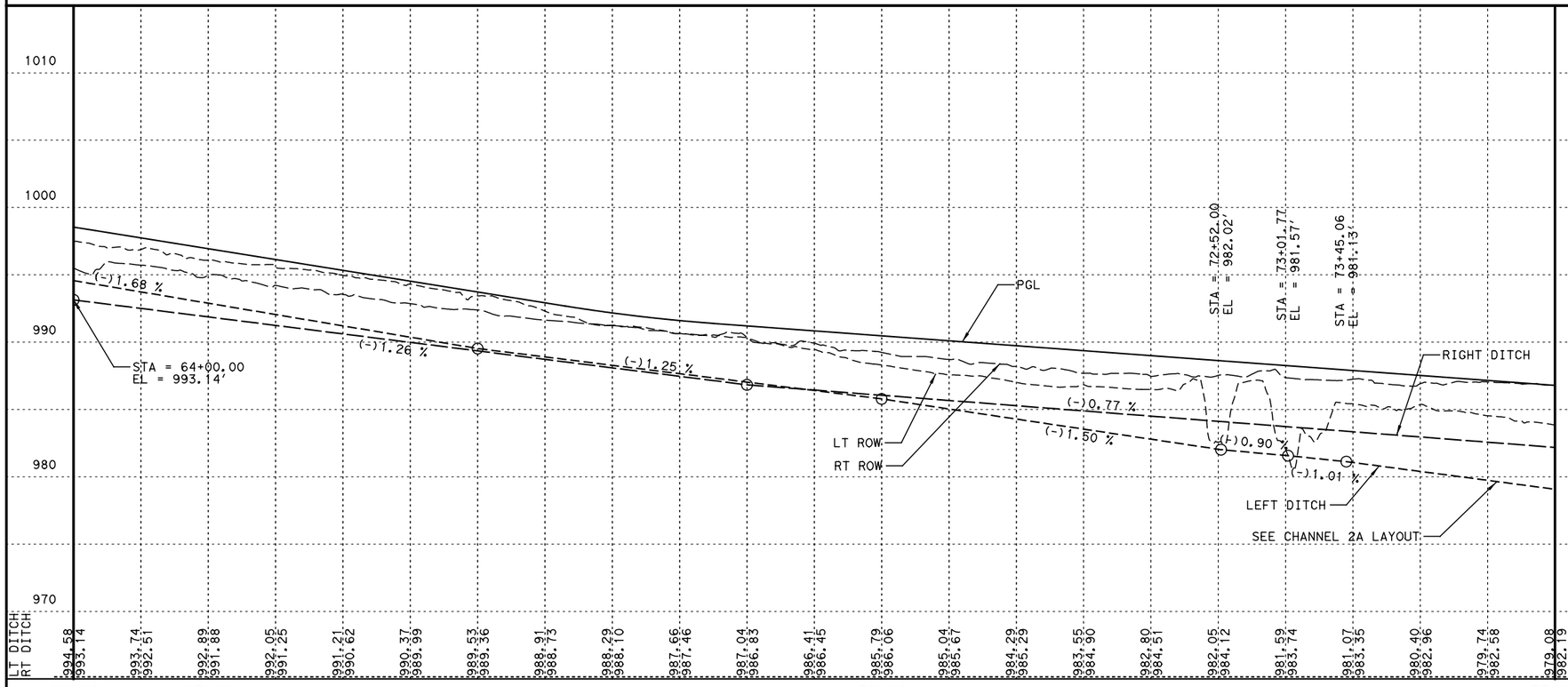
0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 64+00 TO 75+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 6 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	210

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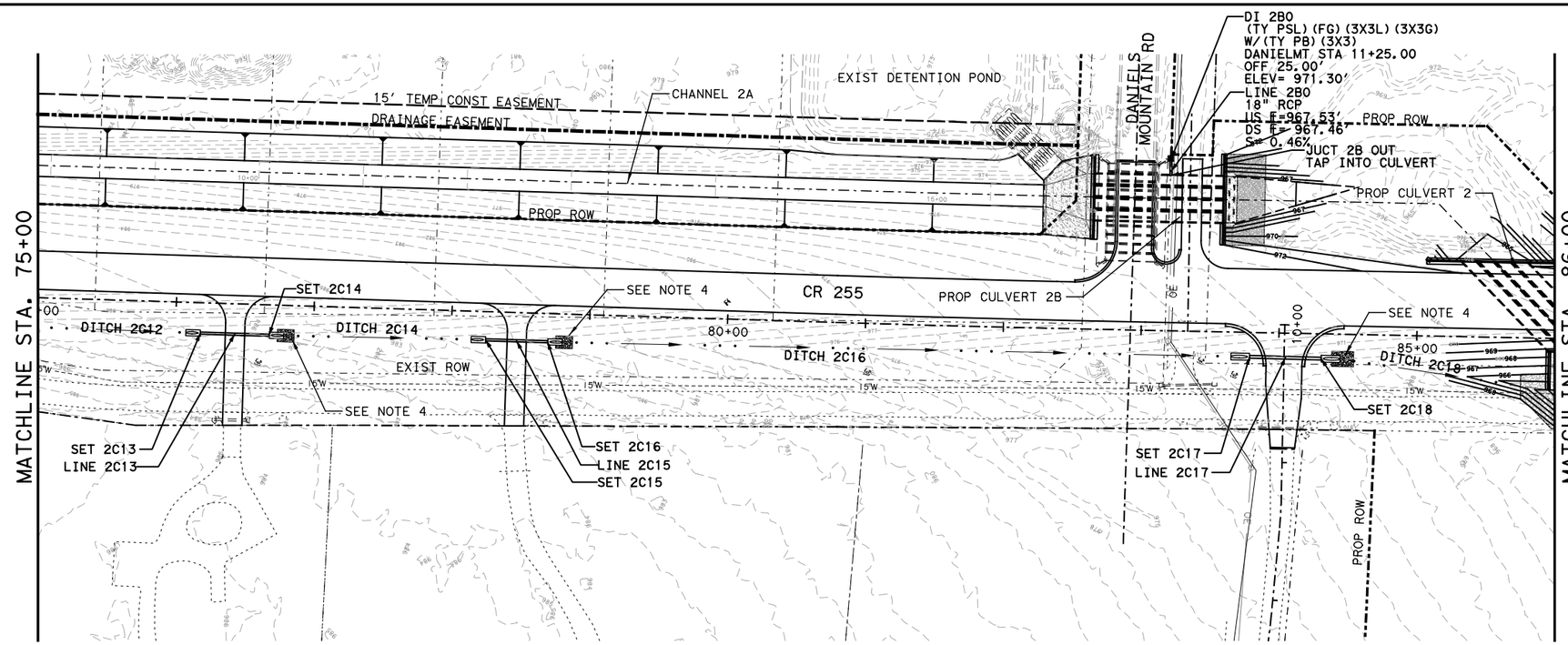

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
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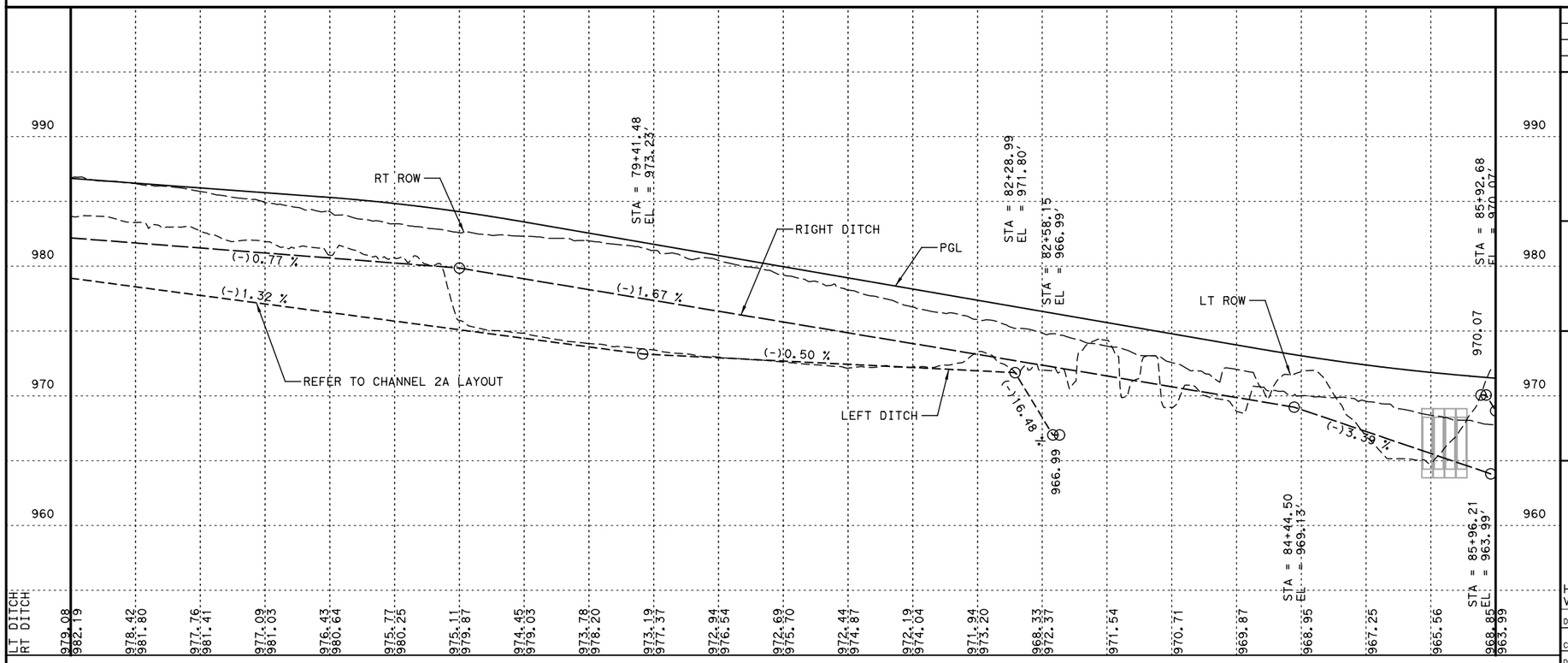
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 75+00 TO 86+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 7 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	211

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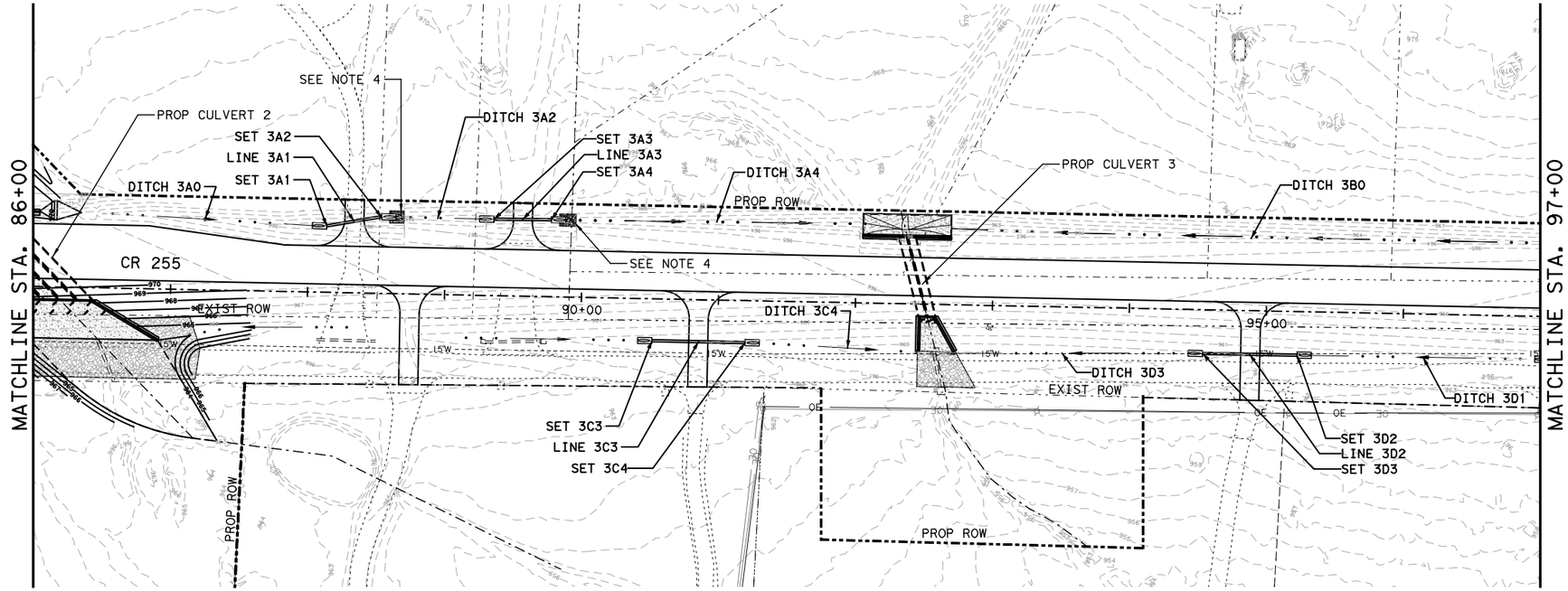

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
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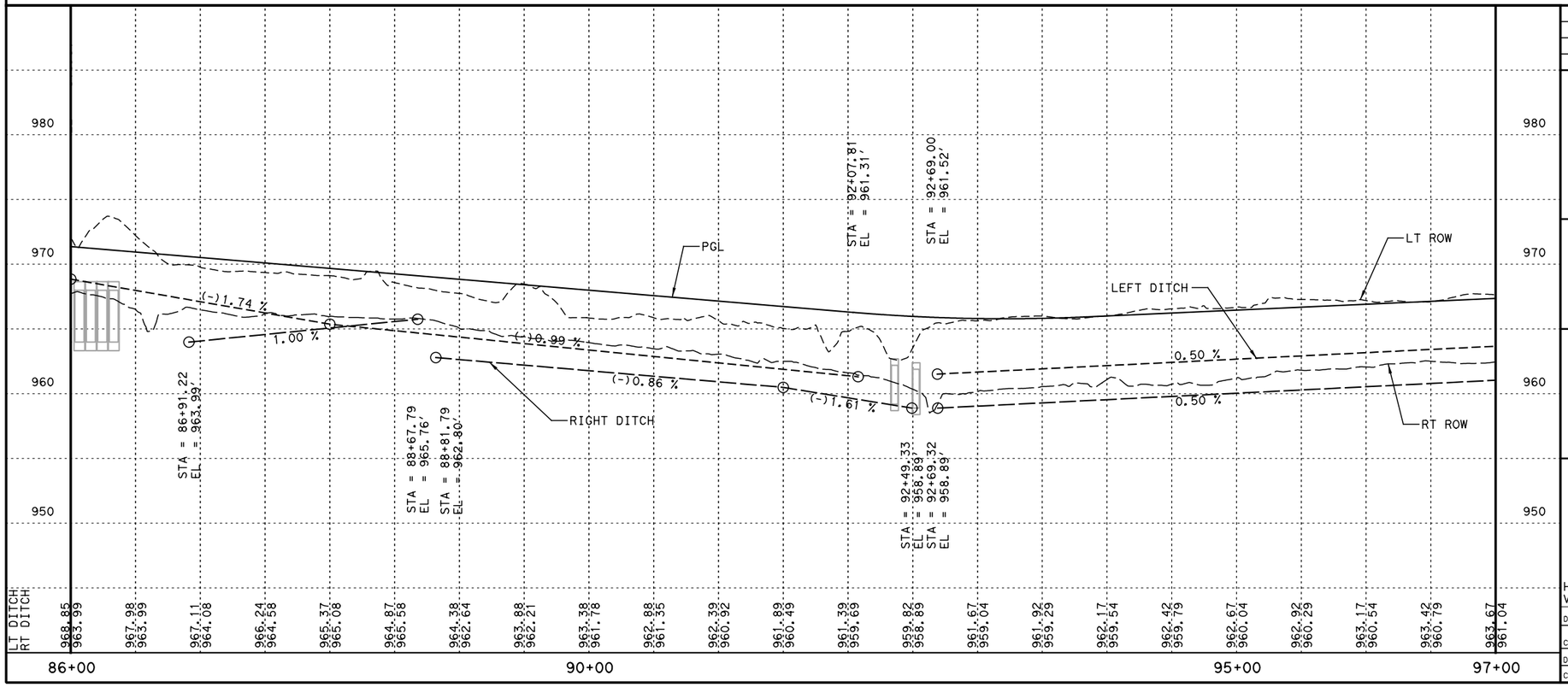
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 86+00 TO 97+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 8 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	212

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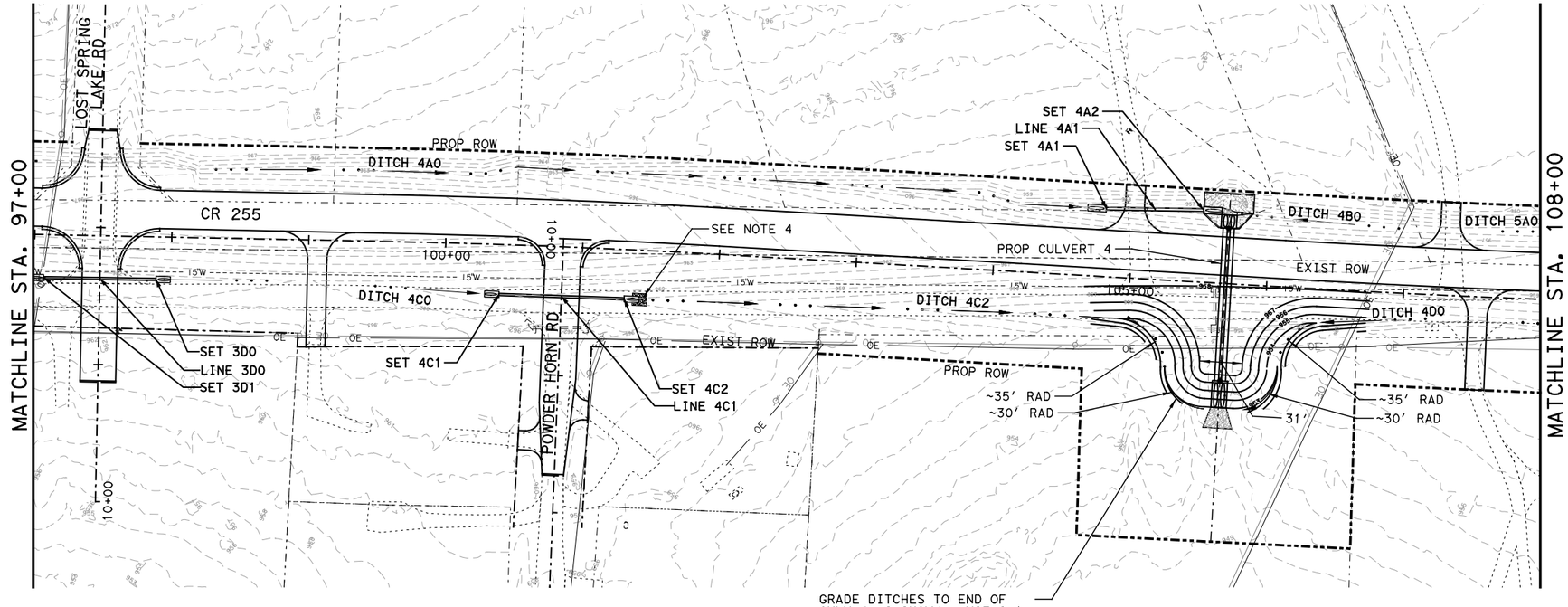

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
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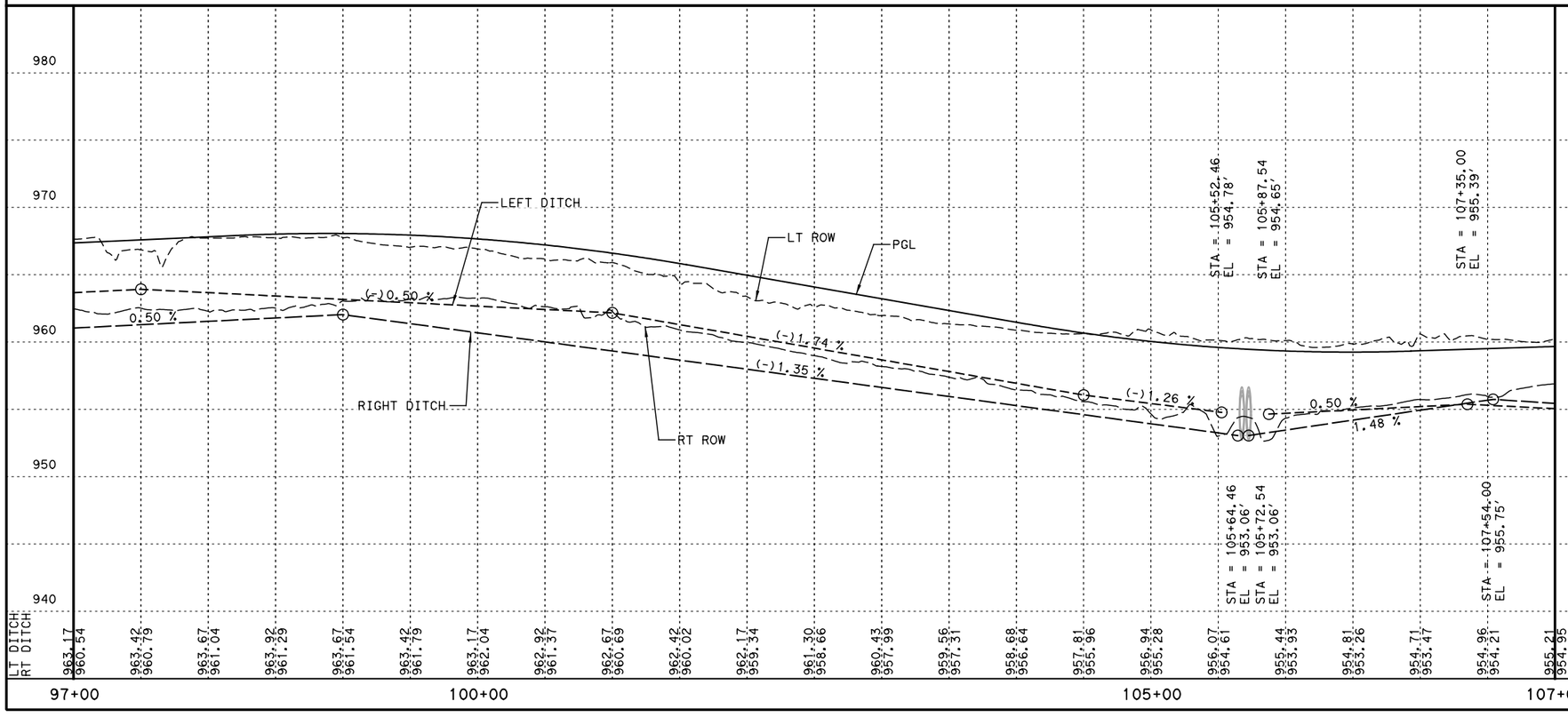
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 97+00 TO 108+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 9 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	213

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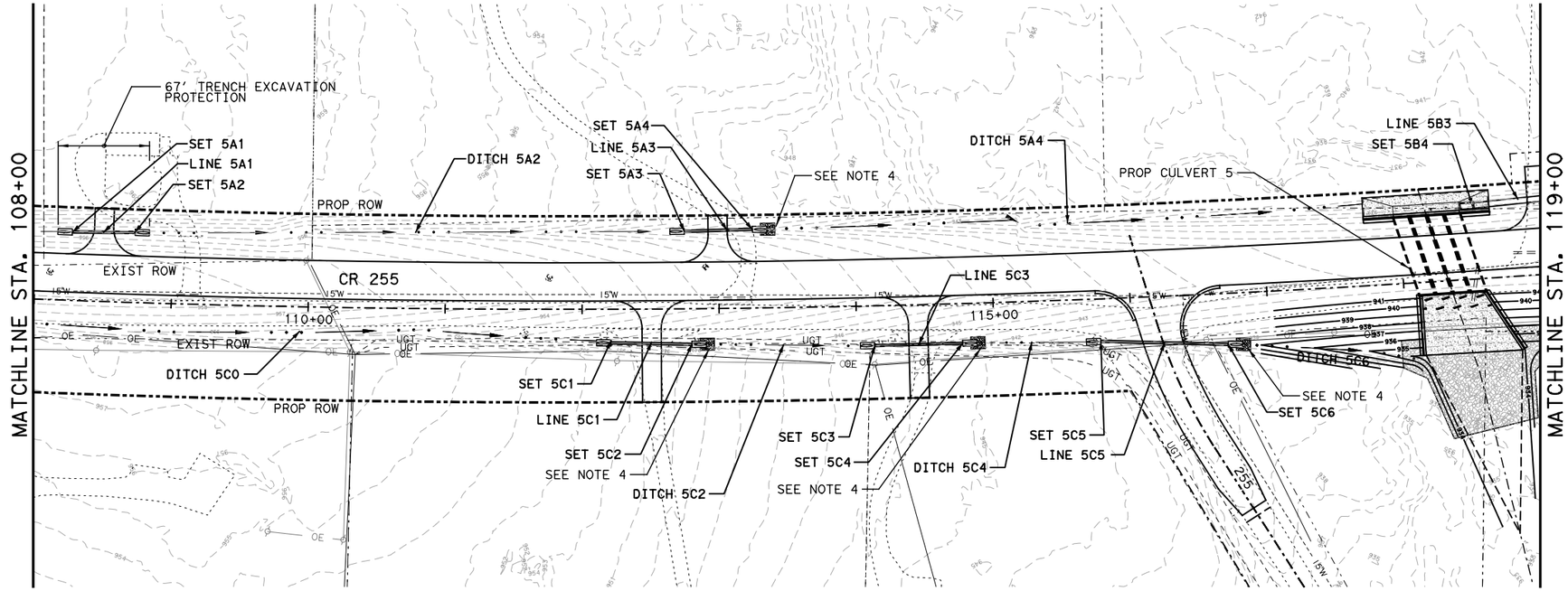

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
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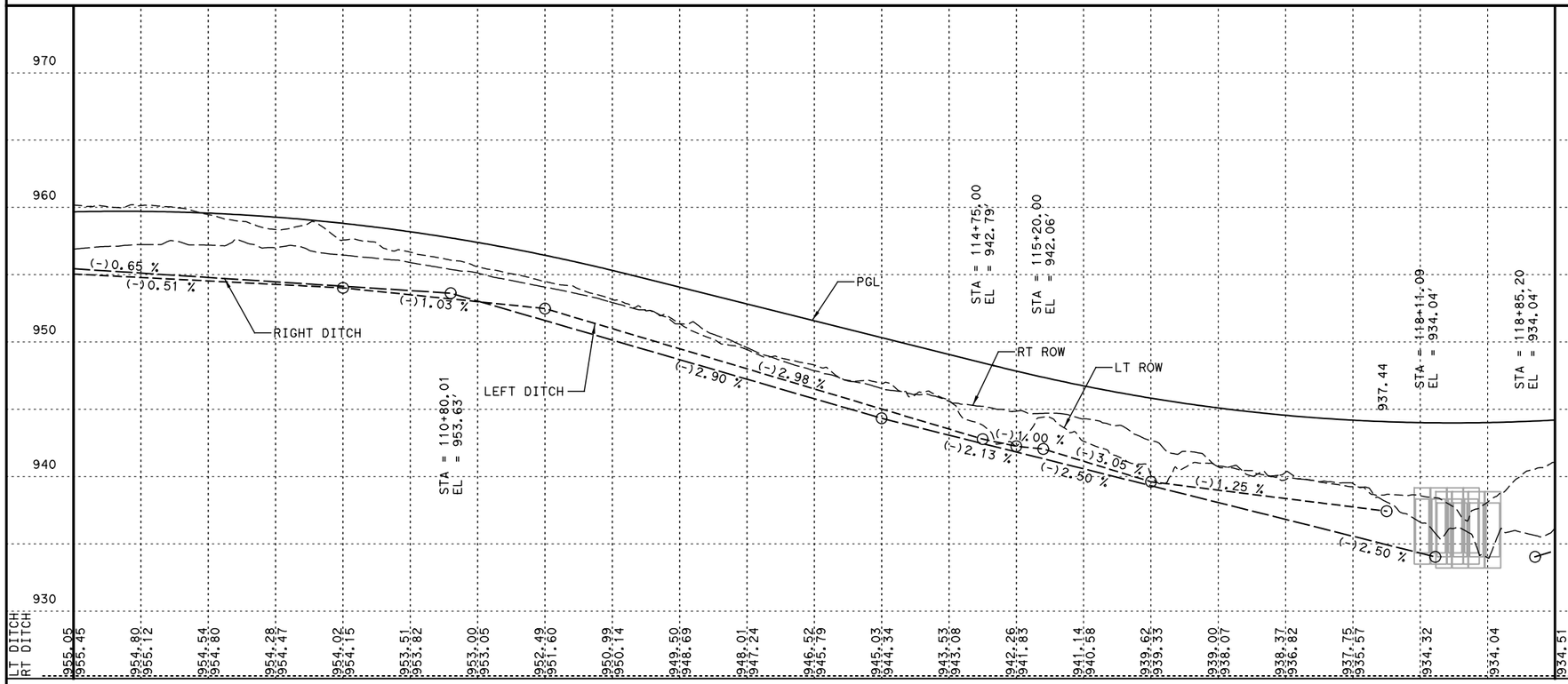
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 108+00 TO 119+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 10 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	214

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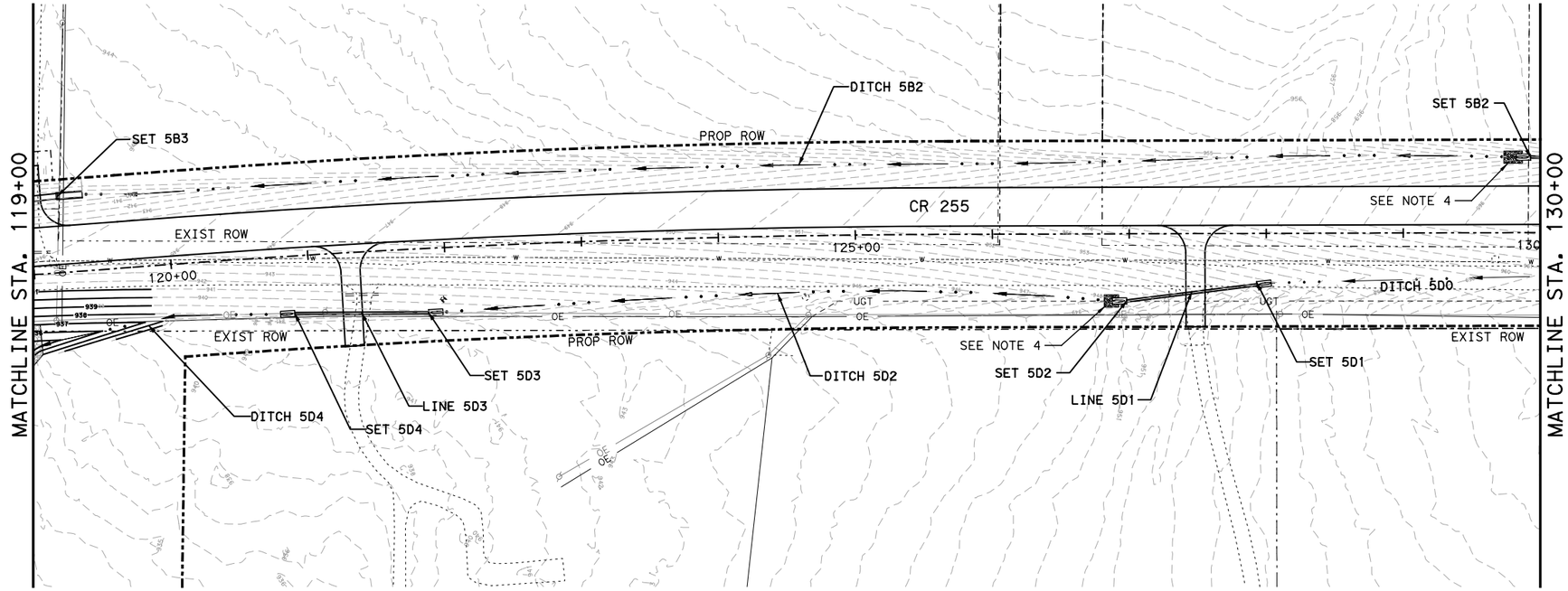

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
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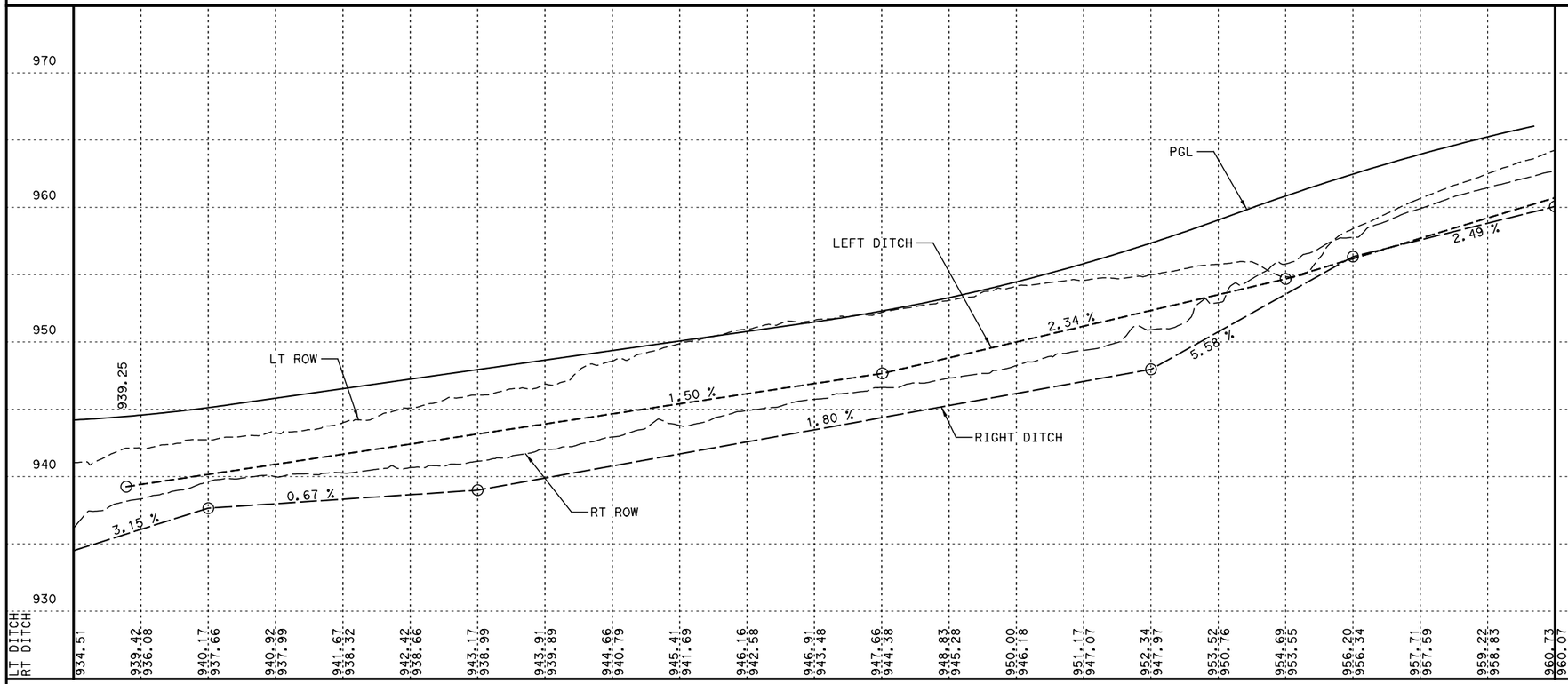

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 119+00 TO 130+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 11 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	215

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DATE: 10/25/2024 8:39:03 AM
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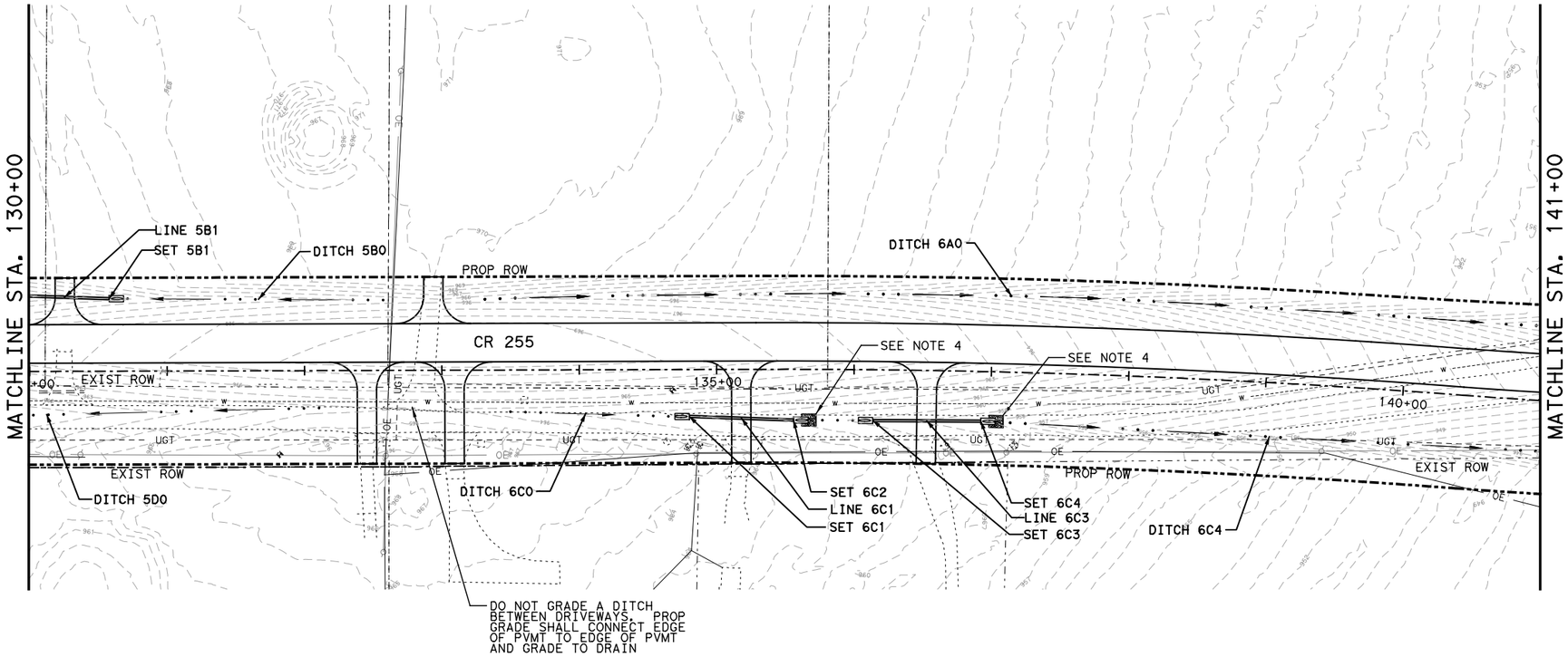


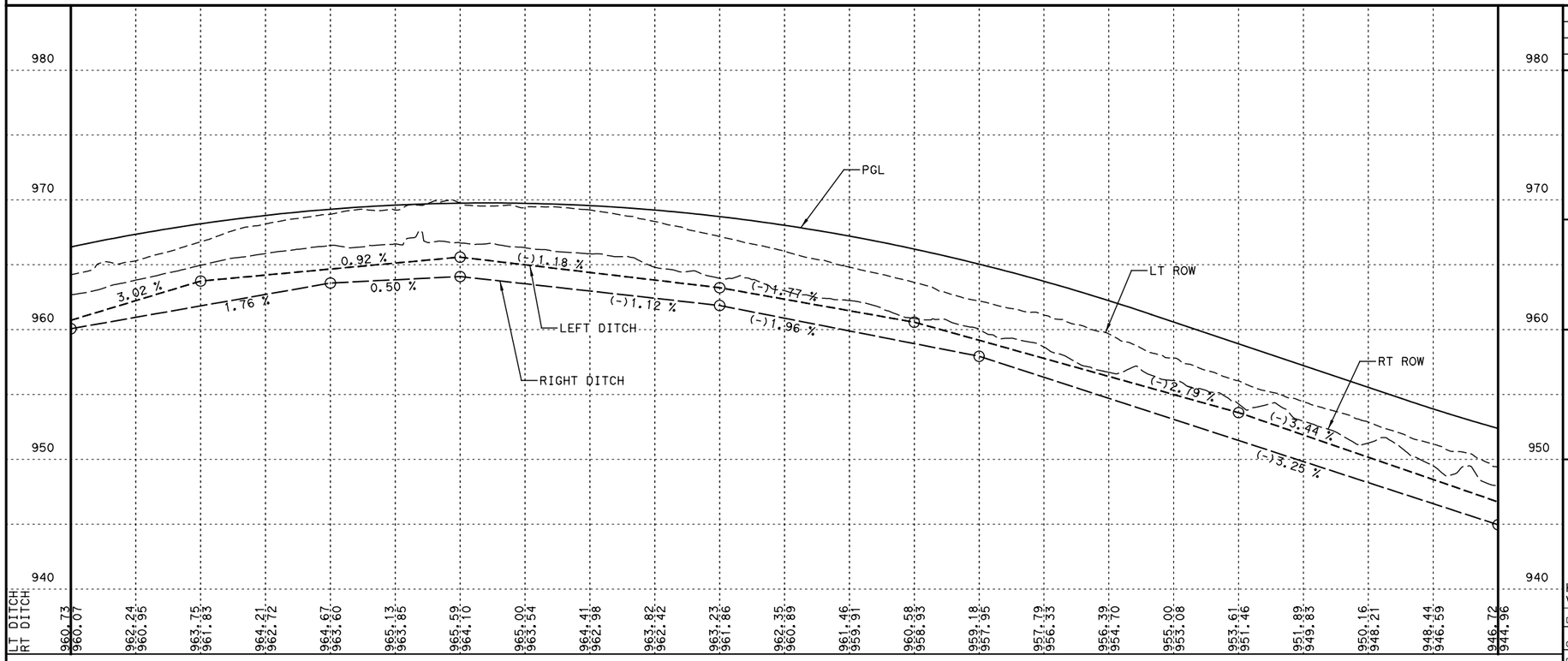
0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
2. SEE REMOVAL PLANS FOR DRAINAGE STRUCTURES TO BE REMOVED.
3. ALL PRECAST SETS SHALL HAVE RIPRAP APRONS PER THE PSET-RR STD. DROP INLETS SHALL HAVE RIPRAP APRONS PER THE APPLICABLE STD.
4. REFER TO THE OUTLET PROTECTION DETAILS FOR SIZE AND SPEC INFO FOR EACH STONE RIPRAP APRON.
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 130+00 TO 141+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 12 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	216

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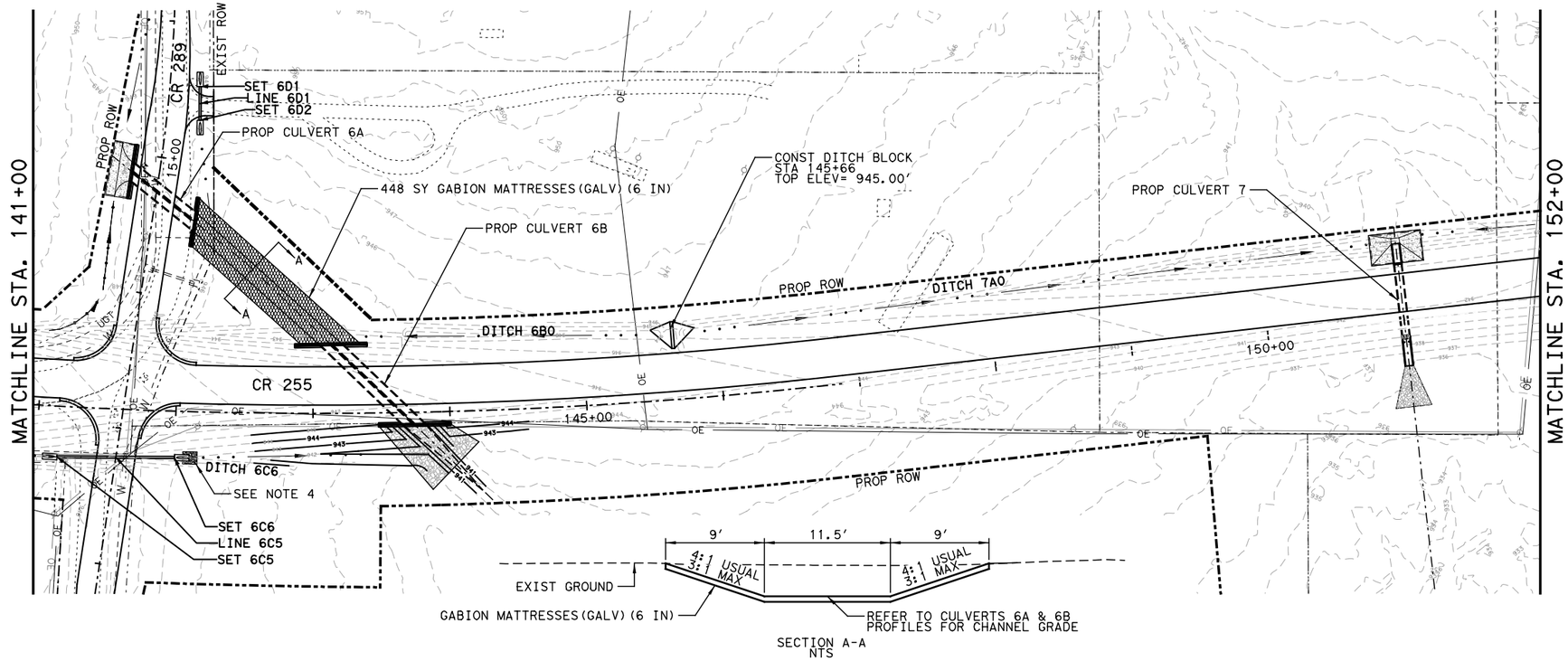

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

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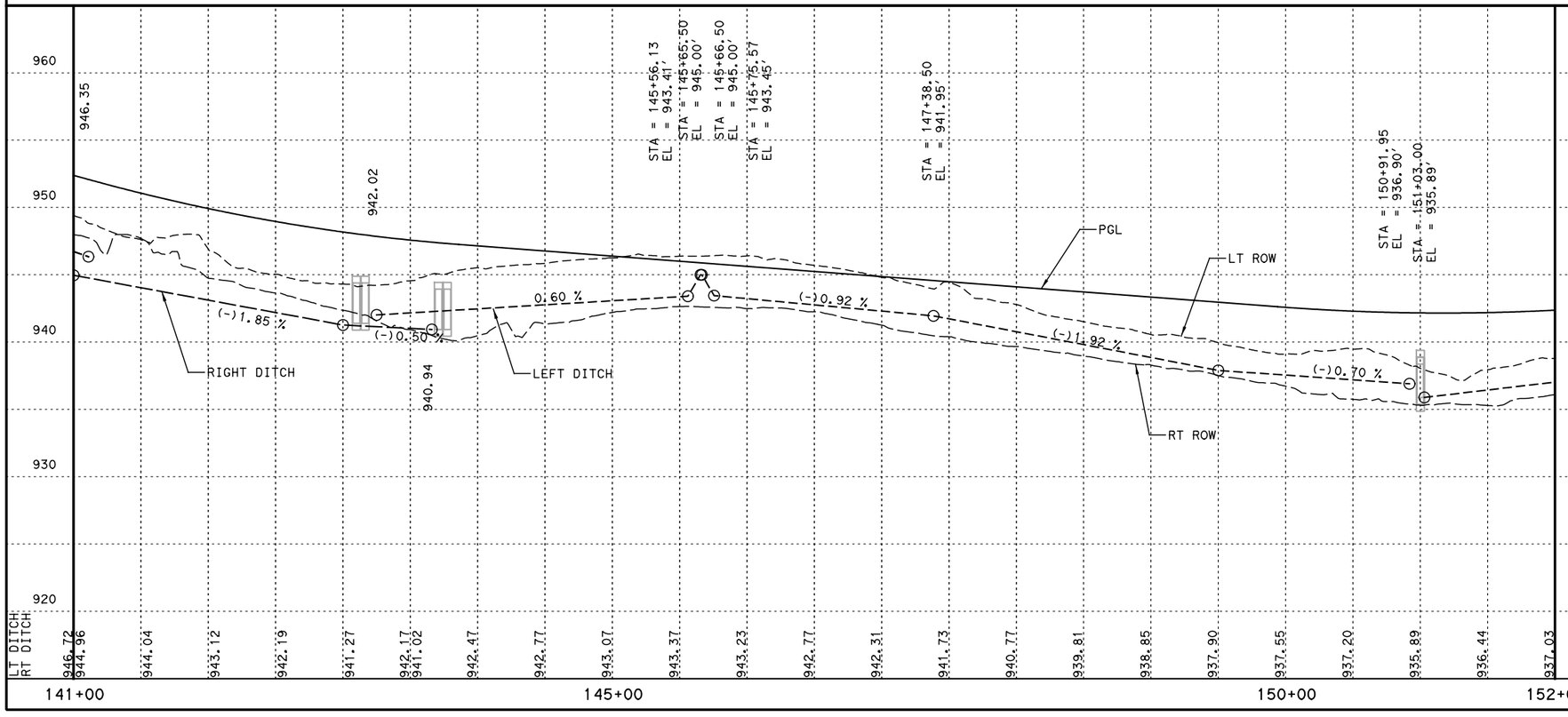
5. REFER TO THE DRIVEWAY CULVERT SUMMARY FOR LOCATION AND SPEC INFO.
6. DITCHES ARE SHOWN THROUGH THE DRIVEWAYS AND CROSS STREETS FOR CLARITY PURPOSES.



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 141+00 TO 152+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 13 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	217

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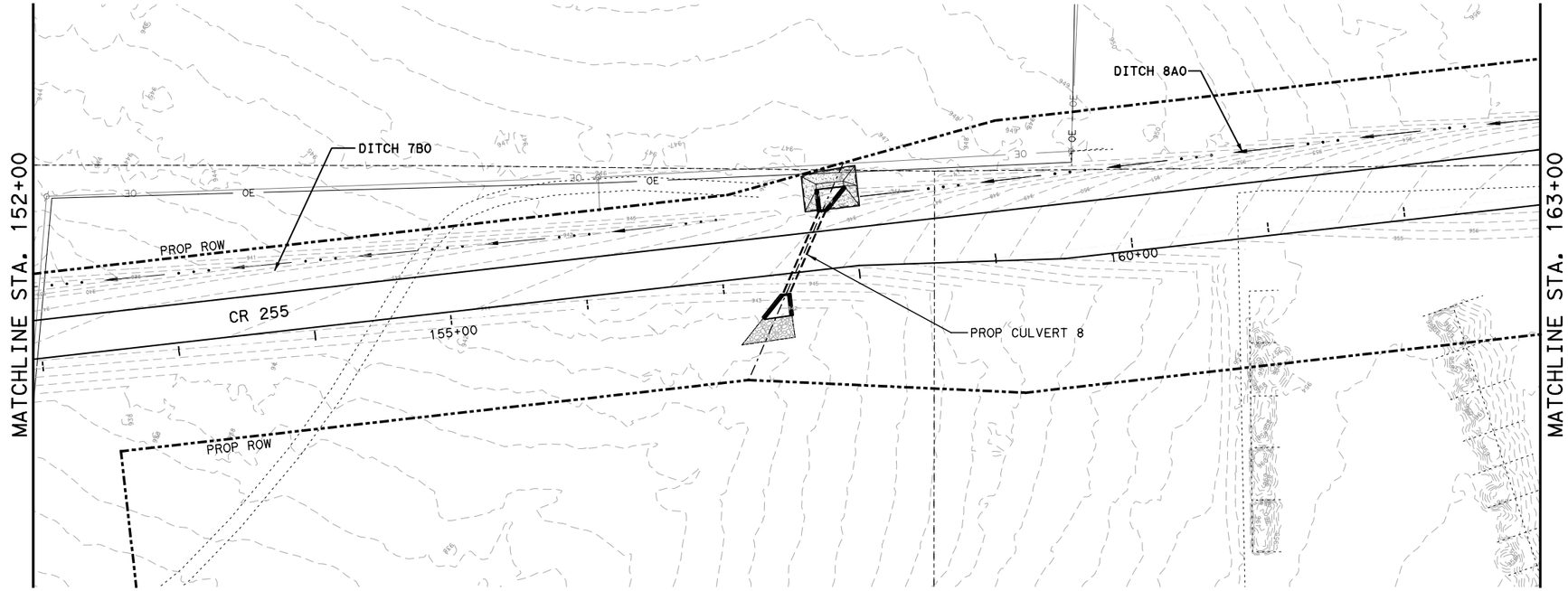

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15'W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
- RIPRAP (CONC)
- RIPRAP (STONE)
- DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

1. FOR REFERENCE AND IDENTIFICATION PURPOSES, THE LINK ID MATCHES UPSTREAM NODE ID.
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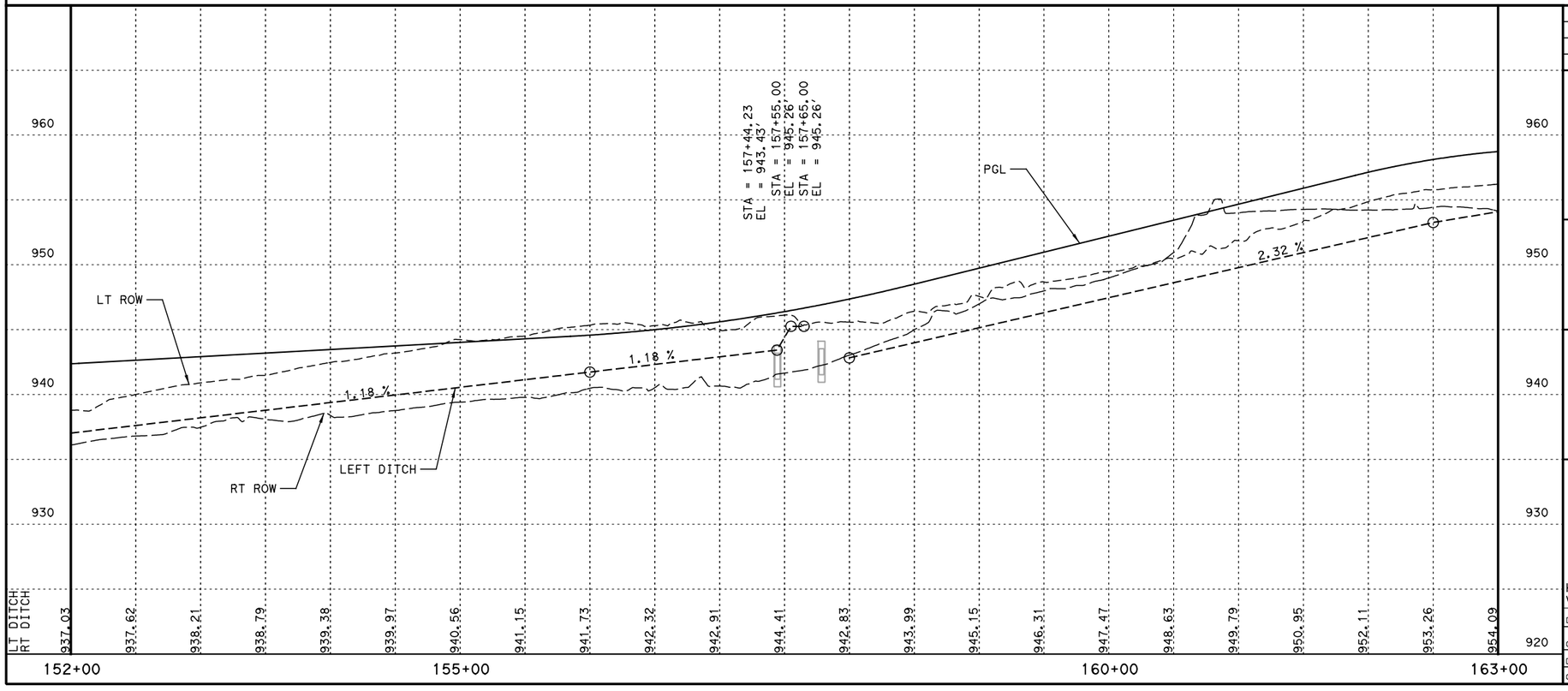

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 152+00 TO 163+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 14 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	218

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0 50 100
SCALE: 1" = 100'

LEGEND

DITCH XX	DITCH FLOWLINE
	PROP CONTOUR
	EXIST ROW
	EXIST TOPOGRAPHY
15"W	EXIST UG UTILITY
OT	EXIST OH UTILITY
	EXIST CULVERTS
	PROP ROADWAY
	PROP WINGWALLS/CONTOURS
	PROP CULVERT
	PROP ROW
	EXIST STORM SEWER
	PROP STORM SEWER
	PROP SET
	SRB TYPE 2, CLASS H (MUST BE TRM)
	RIPRAP (CONC)
	RIPRAP (STONE)
	DITCH BLOCK (W/TOP ELEV)

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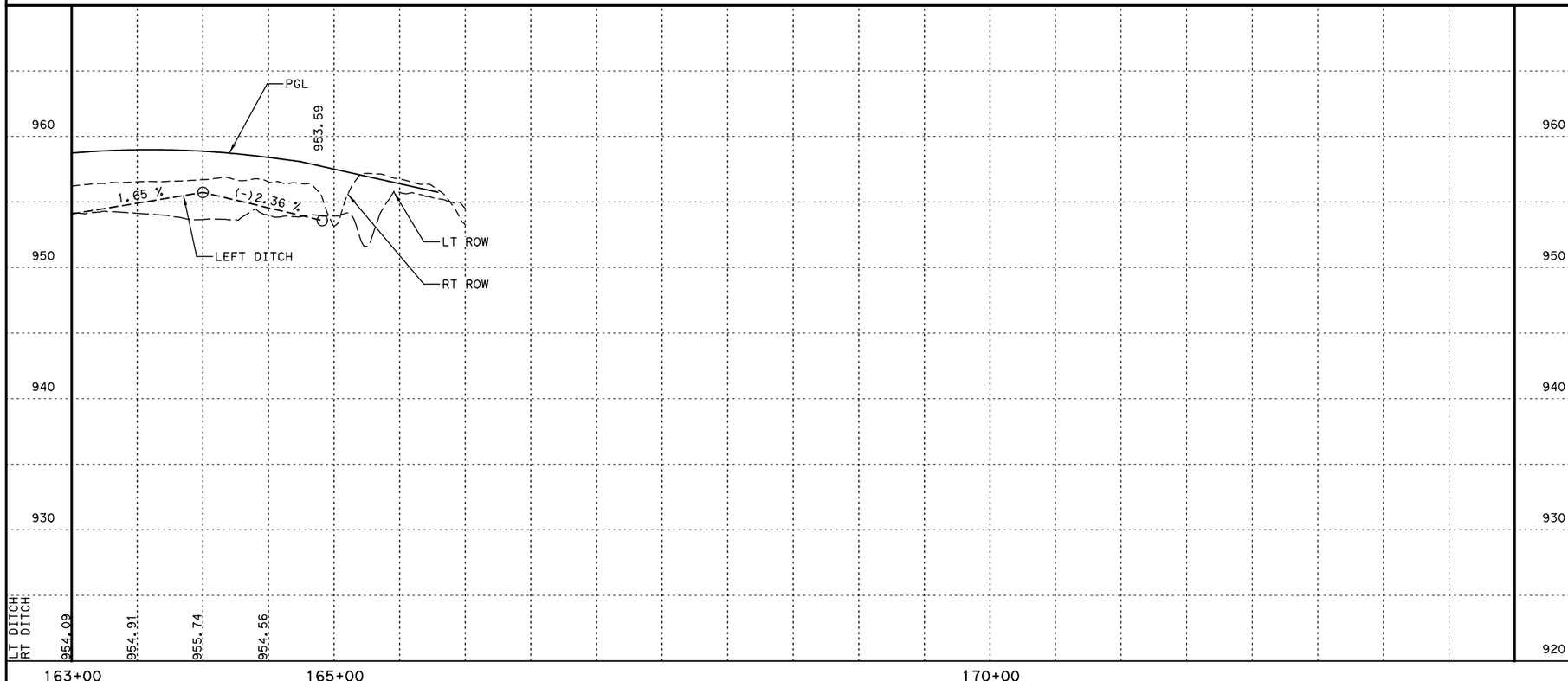

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DITCH PLAN & PROFILE
STA 163+00 TO END PROJECT

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 15 OF 15

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	219

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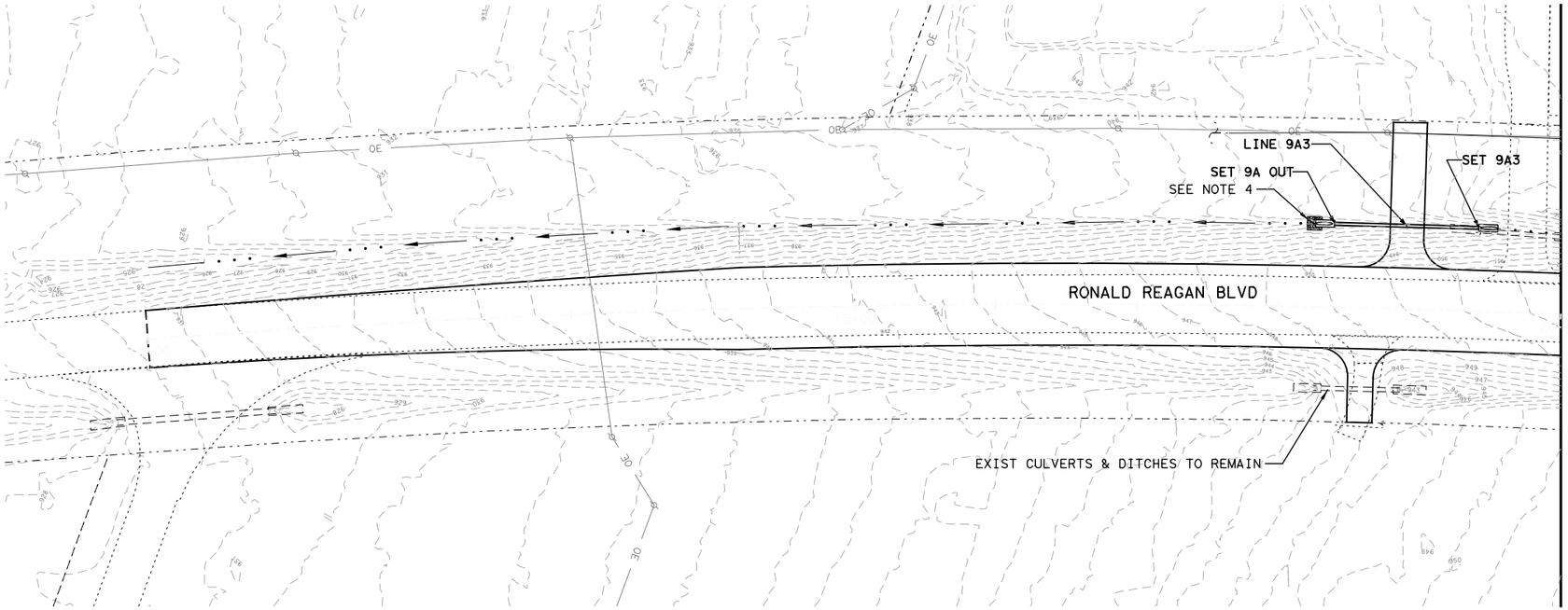

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH XX — DITCH FLOWLINE
- PROP CONTOUR
- EXIST ROW
- EXIST TOPOGRAPHY
- 15"W — EXIST UG UTILITY
- OT — EXIST OH UTILITY
- EXIST CULVERTS
- PROP ROADWAY
- PROP WINGWALLS/CONTOURS
- PROP CULVERT
- PROP ROW
- EXIST STORM SEWER
- PROP STORM SEWER
- PROP SET
- SRB TYPE 2, CLASS H (MUST BE TRM)
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- RIPRAP (STONE)
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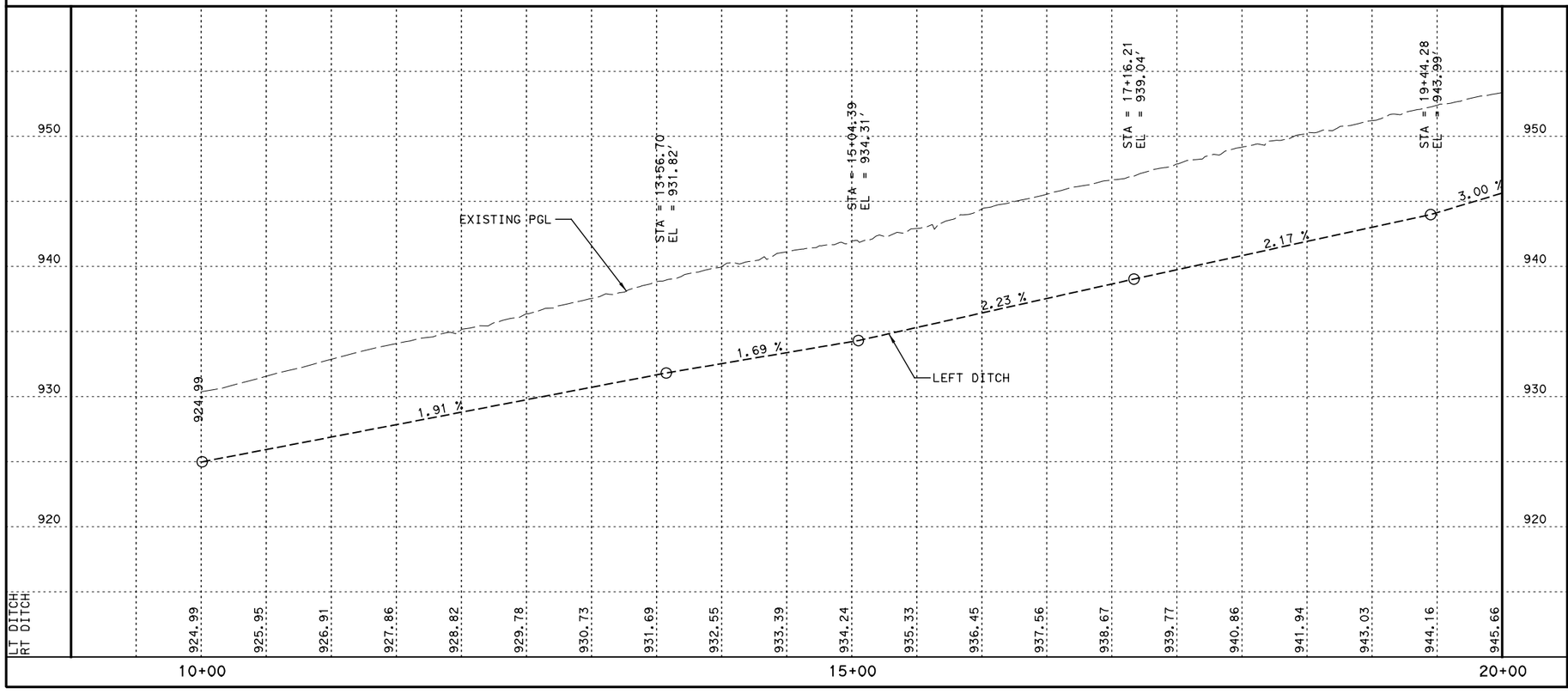

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

Clay E. Gann 10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

RONALD REAGAN BLVD

BEGIN PROJECT TO STA 20+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 1 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	220

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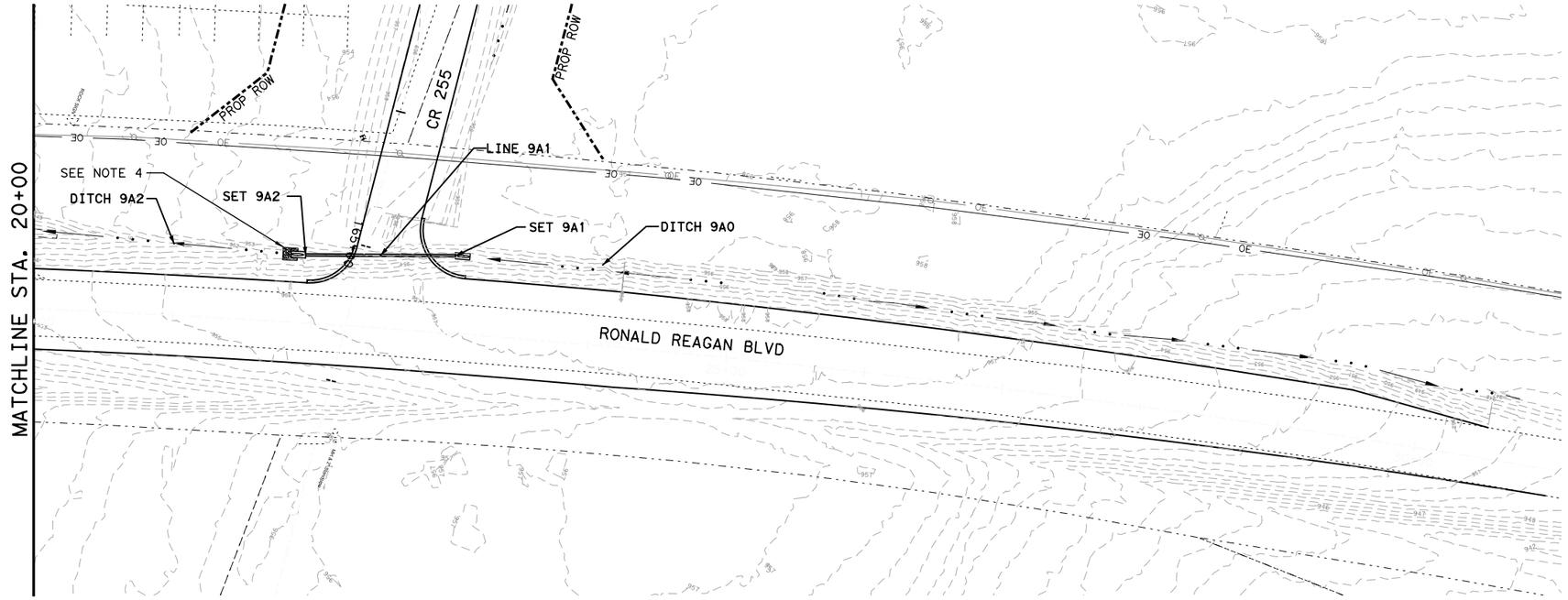

0 50 100
SCALE: 1" = 100'

LEGEND

DITCH XX	DITCH FLOWLINE
	PROP CONTOUR
	EXIST ROW
	EXIST TOPOGRAPHY
15'W	EXIST UG UTILITY
OT	EXIST OH UTILITY
	EXIST CULVERTS
	PROP ROADWAY
	PROP WINGWALLS/CONTOURS
	PROP CULVERT
	PROP ROW
	EXIST STORM SEWER
	PROP STORM SEWER
	PROP SET
	SRB TYPE 2, CLASS H (MUST BE TRM)
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	RIPRAP (STONE)
	DITCH BLOCK (W/TOP ELEV)

DRAINAGE PLAN NOTES:

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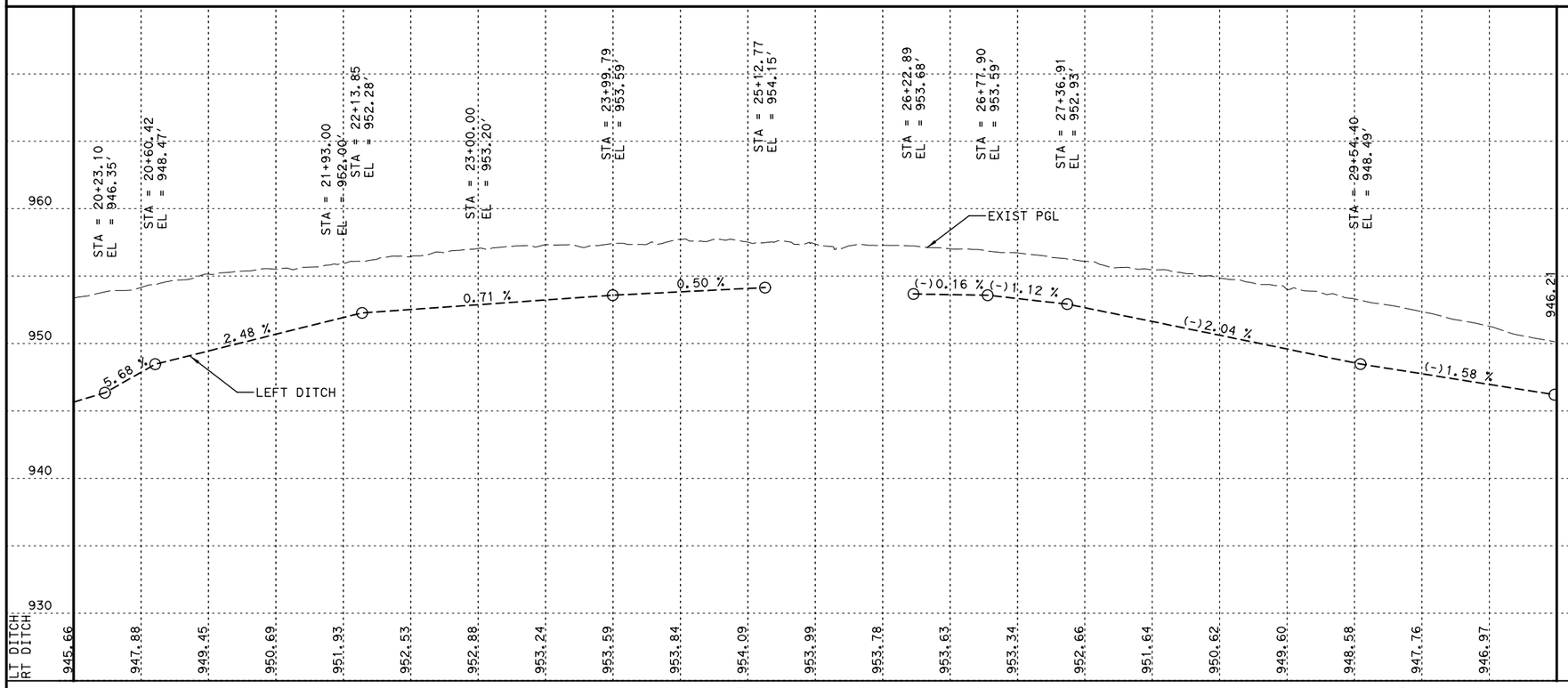

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
RONALD REAGAN BLVD
STA 20+00 TO END PROJECT

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 2 OF 2

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	221

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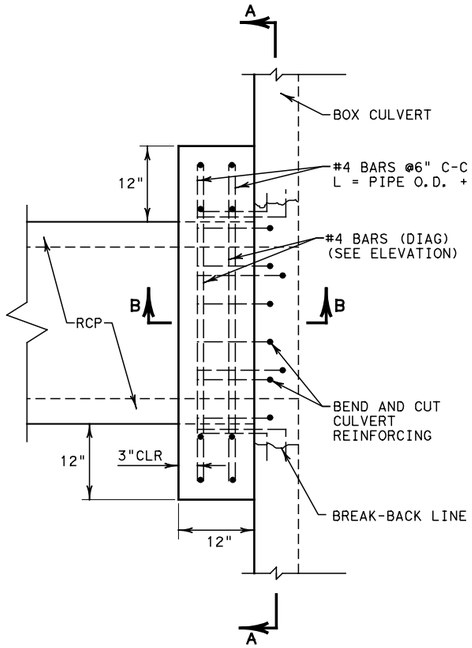
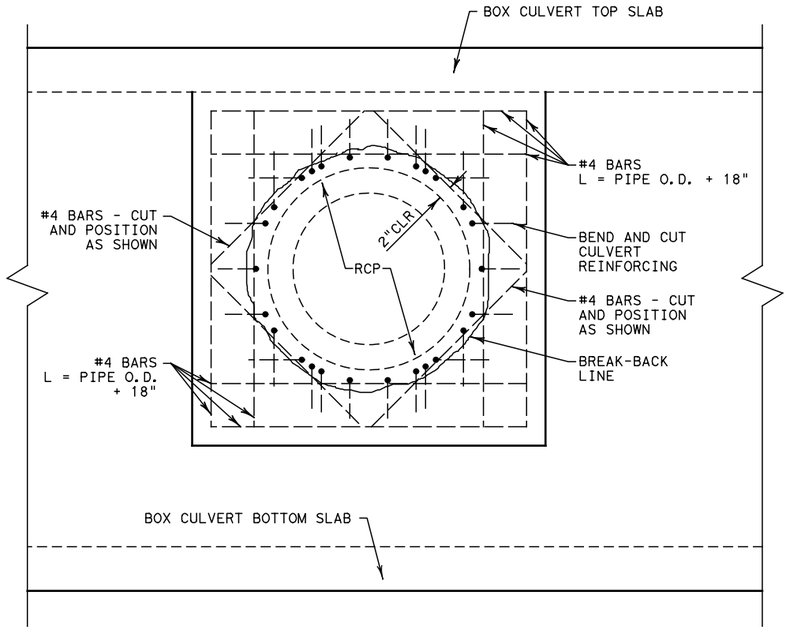
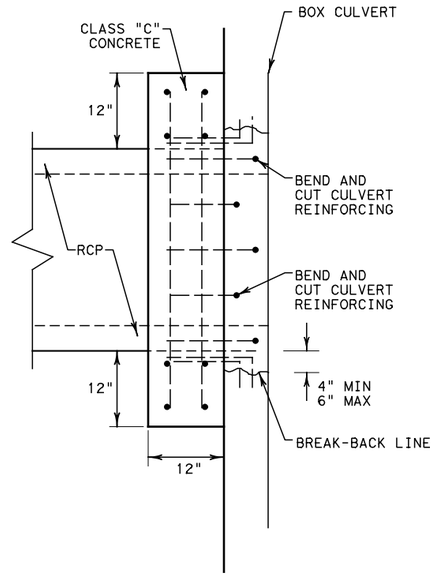


PLAN VIEW



SECTION A-A



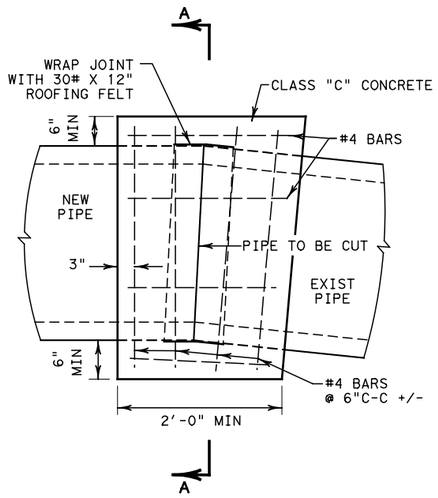
SECTION B-B

PIPE STUB-IN GENERAL NOTES

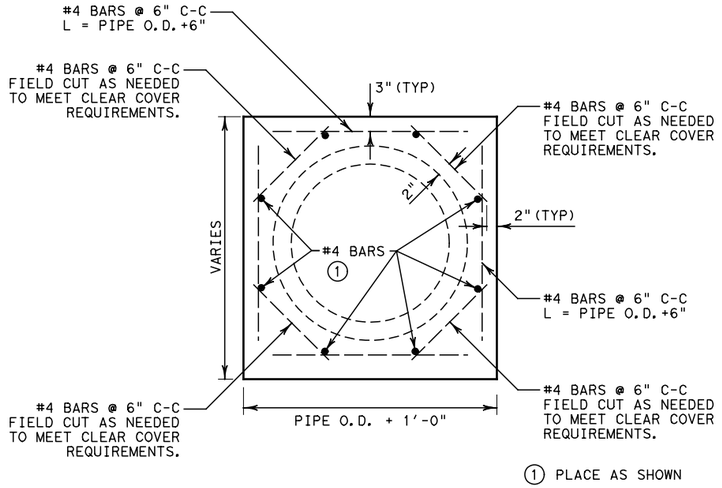
1. SAW CUT A MAXIMUM 1/2" DEPTH AT BREAK-BACK LINE. USE REMOVAL METHODS THAT WILL NOT DAMAGE REMAINING CONCRETE OR CULVERT REINFORCING.
2. EXPOSE AND CLEAN BOX CULVERT REINFORCING. BEND BARS INTO PROPOSED CONNECTION AND TIE TO CONNECTION REINFORCING.
3. ROUGHEN AND CLEAN EXISTING CONCRETE SURFACES THAT ARE IN CONTACT WITH NEW CONCRETE BEFORE PLACING FORMS.
4. MATERIAL & LABOR FOR PIPE/BOX CONNECTIONS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE SUBSIDIARY TO ITEMS 462 AND 464.

PIPE STUB-IN CONNECTION TO BOX CULVERT OR EXISTING DRAINAGE STRUCTURE

N.T.S.



PLAN/ELEVATION



SECTION A-A

PIPE COLLAR GENERAL NOTES

1. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE A SMOOTH JOINT ALONG THE INSIDE WALL OF PIPE.
2. ANY SPILLAGE OF CONCRETE THROUGH THE JOINT SHALL BE REMOVED AND THE INSIDE PIPE SURFACES SMOOTHED AS DIRECTED BY THE ENGINEER.
3. PIPE COLLARS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO ITEM 464.

PIPE COLLAR DETAIL

FOR HORIZONTAL OR VERTICAL PLACEMENT
N.T.S.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE DETAILS PIPE COLLARS AND BOX CONNECTIONS

SHEET 1 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	222

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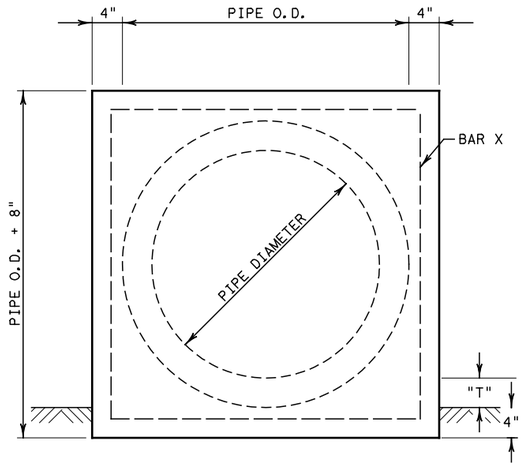
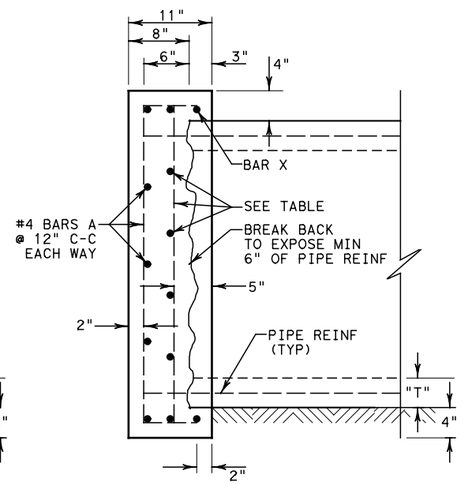


FRONT ELEVATION

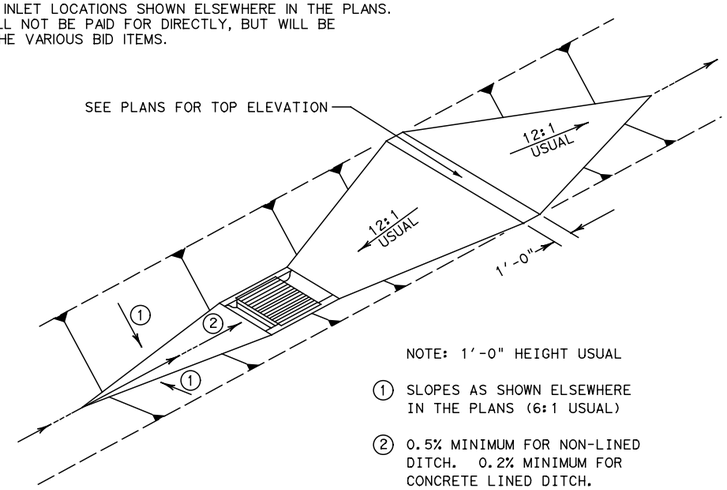


SIDE ELEVATION

INNER REINFORCING SIZE/SPACING		
PIPE DIA(IN)	MAXIMUM DEPTH	
	15'	30'
<48	#4 @ 12" C-C	#4 @ 12" C-C
60	#4 @ 12" C-C	#4 @ 10" C-C
72	#4 @ 12" C-C	#5 @ 10" C-C
84	#4 @ 10" C-C	#5 @ 8" C-C

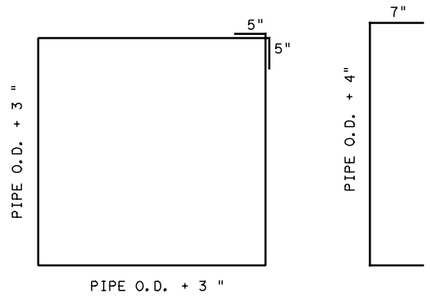
DITCH BLOCK GENERAL NOTES

1. DITCH BLOCK AND INLET LOCATIONS SHOWN ELSEWHERE IN THE PLANS.
2. DITCH BLOCKS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE SUBSIDIARY TO THE VARIOUS BID ITEMS.



DITCH BLOCK DETAILS

N.T.S.

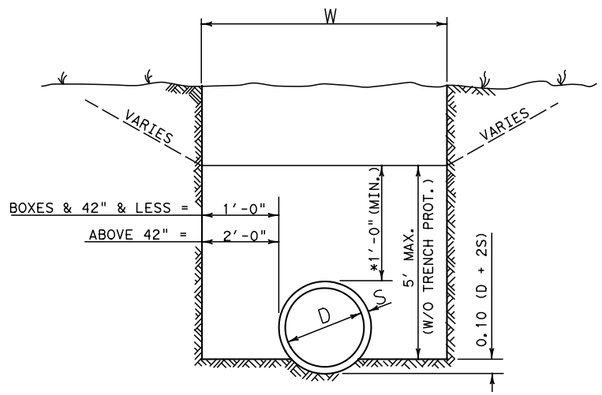


PIPE END CAP GENERAL NOTES

1. "T" = PIPE WALL THICKNESS.
2. ALL CONCRETE SHALL BE CLASS "C".
3. ALL REINFORCING STEEL SHALL BE GRADE 60.
4. OCTAGONAL PLUG MAY BE USED IN LIEU OF SQUARE. PROVIDE 4" MINIMUM COVER OVER OUTSIDE OF PIPE. DIMENSIONS OF PIPE PLUG AND REINFORCING TO BE AS APPROVED.

DRAINAGE PIPE END CAP OR PLUG DETAILS

N.T.S.



CLASS "C" BEDDING EXCEPT AS NOTED
*SEE STANDARD SPECIFICATION ITEM 400, EXCEPT WHERE NEGATIVE PROJECTION IS USED.

STRUCTURE EXCAVATION (TRENCH)

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE DETAILS PLUGS, DITCH BLOCKS & STRUCTURAL EXCAVATION

SHEET 2 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	223

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DATE: 10/25/2024 8:38:16 AM
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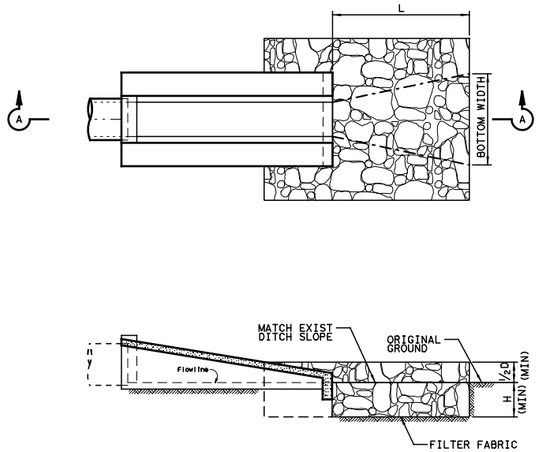

SECTION A-A

RIPRAP APRON AT CULVERT OUTLET WITH DITCH

CULVERT ID	CULVERT WIDTH D (FT)	DISCHARGE PER BARREL Q (CFS)	NORMAL DEPTH D(N) (FT)	CRITICAL DEPTH D(C) (FT)	OUTLET DEPTH D(O) (FT)	TAILWATER DEPTH TW (FT)	OUTLET VELOCITY V (FPS)	ADJUSTED D D' (FT)	RIPRAP SIZE D(50) (FT)	RIPRAP SIZE D(50) (IN)	TXDOT RIPRAP SIZE	APRON LENGTH L (FT)	APRON DEPTH H (FT)	APRON AREA A (SQ.FT)	APRON VOLUME VOL (CY)
LINE 1A1	1.5	6.24	0.73	0.97	0.75	0.60	7.02	1.11	0.33	4.32	RIPRAP (STONE) (PROTECTION) (12 IN)	6	1.15	83.25	4
LINE 1A3	4	64.5	1.88	2.01	3.00	1.60	5.39	4.00	0.50	6.64	RIPRAP (STONE) (PROTECTION) (12 IN)	20	1.21	634	29
LINE 1A5	5	96	1.55	2.26	3.00	2.00	6.42	5.00	0.51	6.71	RIPRAP (STONE) (PROTECTION) (12 IN)	25	1.22	962.5	44
LINE 1B1	2	10.5	1.13	1.16	2.00	0.80	3.33	2.00	0.23	2.98	N/A				
LINE 1B3	3	22.45	0.68	1.20	0.72	1.20	10.45	1.84	0.46	6.10	N/A				
LINE 2A1	2	16.9	1.44	1.48	1.44	0.80	7.00	1.72	0.52	6.87	RIPRAP (STONE) (PROTECTION) (12 IN)	10	1.25	161	8
LINE 2A3	2	17.6	1.39	1.51	1.98	0.80	5.62	2.00	0.45	5.92	RIPRAP (STONE) (PROTECTION) (12 IN)	10	1.48	181	10
LINE 2A5	2	20.4	1.14	1.62	1.29	0.80	9.51	1.57	0.75	9.94	RIPRAP (STONE) (PROTECTION) (12 IN)	10	1.81	181	13
LINE 2A7	3	45.1	1.22	1.92	1.51	1.20	9.99	2.11	0.98	12.89	RIPRAP (STONE) (PROTECTION) (24 IN)	18	2.15	378	31
LINE 2A9	3	46.6	1.25	1.96	1.53	1.20	10.19	2.12	1.01	13.36	RIPRAP (STONE) (PROTECTION) (24 IN)	18	2.23	378	32
LINE 2B0	1.5	2.89	0.64	0.65	0.64	0.60	4.04	1.07	0.12	1.64	N/A				
LINE 2C1	1.5	2.73	0.59	0.63	0.59	0.60	4.19	1.05	0.12	1.56	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.41	83.25	2
LINE 2C3	1.5	4.19	0.56	0.78	0.57	0.60	6.85	1.03	0.21	2.82	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.75	83.25	3
LINE 2C5	1.5	5.2	0.73	0.88	0.73	0.60	6.10	1.11	0.26	3.40	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.90	83.25	3
LINE 2C9	1.5	5.94	0.83	0.94	0.84	0.60	5.87	1.17	0.29	3.81	RIPRAP (STONE) (PROTECTION) (12 IN)	6	1.01	83.25	4
LINE 3A1	1.5	5.58	0.72	0.91	0.74	0.60	6.44	1.11	0.28	3.74	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.99	83.25	4
LINE 3A3	1.5	7.69	0.91	1.07	0.93	0.60	6.72	1.21	0.39	5.14	RIPRAP (STONE) (PROTECTION) (12 IN)	7.5	1.28	99	5
LINE 3C3	1.5	0.85	0.29	0.34	0.29	0.60	3.54	0.90	0.03	0.41	N/A				
LINE 3D0	1.5	1.83	0.48	0.51	0.48	0.60	3.71	0.99	0.07	0.98	N/A				
LINE 3D2	1.5	1.83	0.48	0.51	0.48	0.60	3.71	0.99	0.07	0.98	N/A				
LINE 4A1	2	23.6	1.42	1.72	1.49	0.80	9.42	1.71	0.82	10.81	RIPRAP (STONE) (PROTECTION) (12 IN)	12	1.80	186	13
LINE 4C1	1.5	0.87	0.26	0.35	0.26	0.60	4.25	0.88	0.03	0.43	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.11	83.25	1
LINE 5A1	1.5	2.06	0.51	0.54	0.51	0.60	3.87	1.01	0.09	1.13	N/A				
LINE 5A3	1.5	5.41	0.54	0.90	0.57	0.60	8.87	1.02	0.30	4.03	RIPRAP (STONE) (PROTECTION) (12 IN)	6	1.07	83.25	4
LINE 5B1	1.5	12.9	0.94	1.35	0.98	0.60	10.55	1.22	0.77	10.10	RIPRAP (STONE) (PROTECTION) (12 IN)	9	1.68	114.75	8
LINE 5B3	4	95.1	0.97	2.00	1.21	1.60	19.59	2.49	1.59	21.02	N/A				
LINE 5C1	1.5	1.99	0.32	0.53	0.32	0.60	7.10	0.91	0.09	1.23	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.33	83.25	2
LINE 5C3	1.5	2.81	0.40	0.64	0.40	0.60	7.39	0.95	0.14	1.85	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.49	83.25	2
LINE 5C5	1.5	3.58	0.45	0.72	0.46	0.60	7.90	0.98	0.19	2.46	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.65	83.25	3
LINE 5D1	1.5	2.18	0.29	0.56	0.29	0.60	9.02	0.90	0.11	1.42	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.38	83.25	2
LINE 5D3	1.5	4.29	0.71	0.79	1.50	0.60	2.42	1.50	0.13	1.76	N/A				
LINE 6C1	1.5	0.84	0.24	0.34	0.24	0.60	4.57	0.87	0.03	0.41	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.11	83.25	1
LINE 6C3	1.5	1.4	0.30	0.44	0.30	0.60	5.54	0.90	0.06	0.78	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.21	83.25	1
LINE 6C5	1.5	3.29	0.47	0.69	0.47	0.60	6.89	0.99	0.16	2.17	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.57	83.25	2
LINE 9A1	1.5	1.26	0.30	0.42	0.30	0.60	5.08	0.90	0.05	0.68	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.18	83.25	2
LINE 9A3	2	3.3	0.40	0.64	0.40	0.80	7.26	1.20	0.09	1.25	RIPRAP (STONE) (PROTECTION) (12 IN)	8	0.33	136	2
LINE 2C11	1.5	6.14	0.84	0.96	0.85	0.60	5.96	1.17	0.30	3.96	RIPRAP (STONE) (PROTECTION) (12 IN)	6	1.05	83.25	4
LINE 2C13	1.5	7.52	0.97	1.06	0.97	0.60	6.22	1.23	0.37	4.84	RIPRAP (STONE) (PROTECTION) (12 IN)	6	1.28	83.25	4
LINE 2C15	1.5	8.97	0.84	1.16	0.88	0.60	8.31	1.17	0.50	6.58	RIPRAP (STONE) (PROTECTION) (12 IN)	7.5	1.20	99	5
LINE 2C17	2	12.3	0.87	1.26	0.92	0.80	8.73	1.43	0.43	5.72	RIPRAP (STONE) (PROTECTION) (12 IN)	10	1.43	161	9
LINE 2C20	1.5	3.92	0.71	0.76	0.72	0.60	4.71	1.11	0.18	2.34	RIPRAP (STONE) (PROTECTION) (12 IN)	6	0.62	83.25	2

NOTES:

1. FOR SIMPLICITY, DETAIL ONLY SHOWS ONE BARREL. FOR MULTIPLE BARREL CULVERTS, THE RIPRAP APRON WIDTH SHALL BE ADJUSTED TO INCLUDE THE WIDTH OF ADDITIONAL BARRELS AND ANY SPACE BETWEEN THE ADDITIONAL SETS.
2. WITH ENGINEER'S APPROVAL, THE LIMITS OF RIPRAP MAY BE ADJUSTED IN THE FIELD TO BETTER FIT ACTUAL FIELD CONDITIONS.
3. REFER TO TXDOT SPEC ITEM 432, "RIPRAP" FOR CONSTRUCTION AND PAYMENT DETAILS.

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
DRAINAGE DETAILS

DRIVEWAY CULVERT OUTLET PROTECTION

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	224

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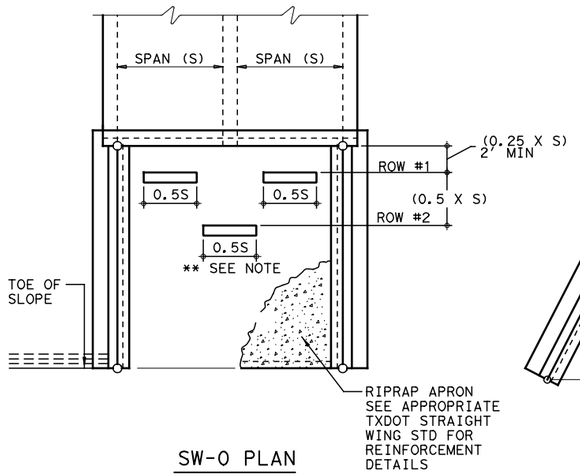
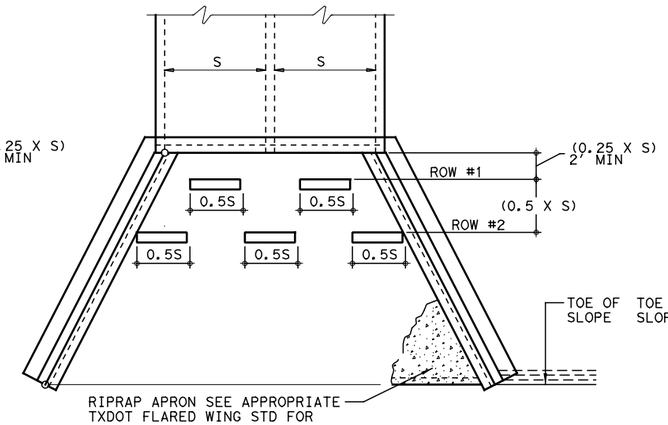
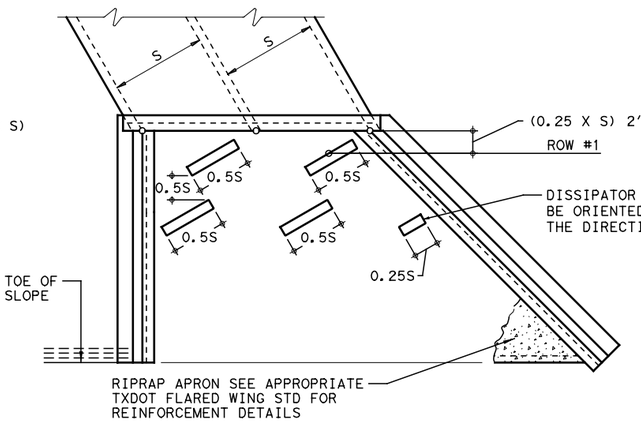


SW-0 PLAN

**NOTE: FOR SBC OR MBC WITH ODD # OF BARRELS, THE OUTSIDE DISSIPATORS ON THE SECOND ROW SHALL HAVE A WIDTH = (0.25 X S).



CH-FW-0/FW-0 PLAN

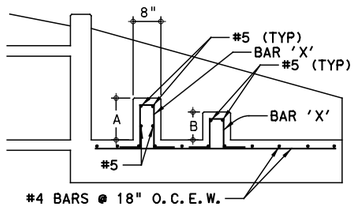


FW-S PLAN

(SHOWING 30° SKEW)

NOTES:

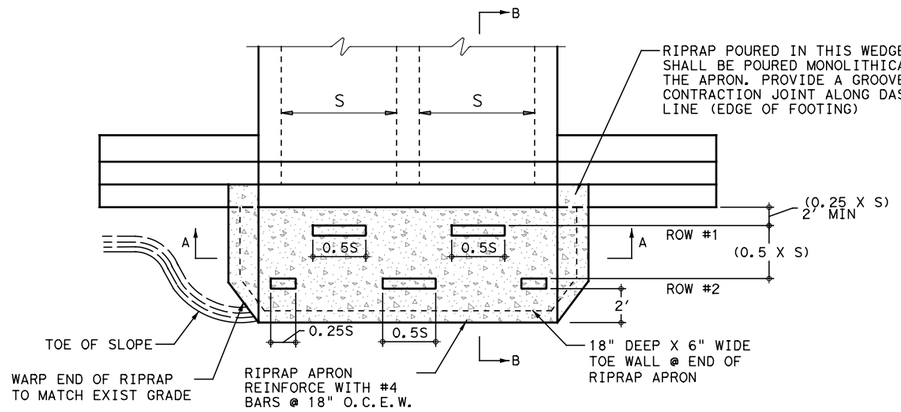
1. AS SHOWN IN THE APPLICABLE HEADWALL & WINGWALL STANDARDS AND THE BCS SHEET, A CONCRETE RIPRAP APRON SHALL BE PROVIDED WHEN ENERGY DISSIPATION BLOCKS ARE SPECIFIED. WHEN DISSIPATORS ARE REQUIRED, APRON REINFORCEMENT SHALL BE #4 BARS ON 18" O.C.E.W. ALL CONCRETE FOR THE RIPRAP APRON AND DISSIPATOR BLOCKS SHALL BE CLASS "C". RIPRAP SHALL BE PAID FOR UNDER ITEM 432, "RIPRAP(CONC)(5 IN)".
2. ALL EXTERNAL VISIBLE CORNERS SHALL BE CHAMFERED.
3. ROW #1 ENERGY DISSIPATORS SHALL BE LOCATED AT MID-SPAN. ROW #2 ENERGY DISSIPATORS SHALL STRADDLE ROW #1.
4. REFER TO TXDOT SPEC 432, "RIPRAP" FOR REBAR CLEARANCE REQUIREMENTS.



SIDE VIEW

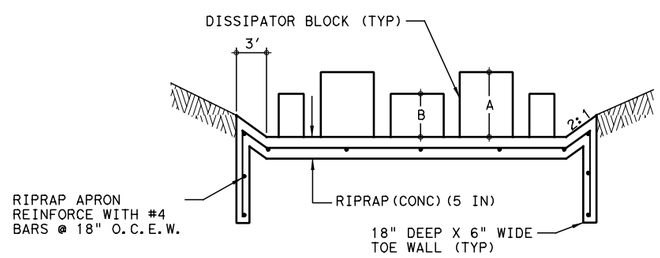
"A" IS EQUAL TO ONE-HALF THE STRUCTURE HEIGHT/PIPE DIAMETER, BUT NO HIGHER THAN 30".

"B" IS EQUAL TO ONE-THIRD THE STRUCTURE HEIGHT/PIPE DIAMETER, BUT NO HIGHER THAN 30".



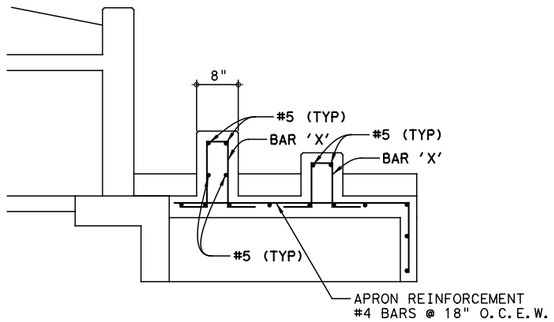
PW PLAN

NTS



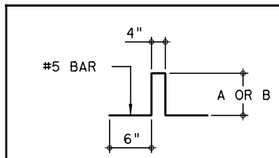
SECTION A-A

NTS



SECTION B-B

NTS



BAR 'X' DETAIL

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER

Clay E. Gann 10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255

DRAINAGE DETAILS

ENERGY DISSIPATORS

SHEET 4 OF 4

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	225

USER: ClayGann
DATE: 10/25/2024 8:39:20 AM
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PROJECT TSS SUMMARY									
Treatement Standard	County	Average Annual Precipitation	Drainage Area	Impervious Cover		TSS Load		TSS Removal Required	TSS Removal Actual
		P	A	A		L		L	L
				Exist	Prop	Exist	Prop		
		Inches	acres	acres	acres	lbs	lbs	lbs	lbs
TCEQ	Williamson	32	68.48	8.58	14.84	10,533	17,351	5,449	7,915

CR 255 - TSS REMOVED BY BMPs WITHIN THE CONTRIBUTING ZONE							
			VFS				TOTAL TSS LOAD REMOVED
BMP ID	COUNTY	AVERAGE ANNUAL PRECIPITATION	TOTAL AREA	IMPERVIOUS COVER	BMP EFFICIENCY	TSS LOAD REMOVED	
		P	A	A		L	L
			ACRES	ACRES	%	LBS	LBS
VFS-1	WILLIAMSON	32	0.61	0.61	85	574	574
VFS-2	WILLIAMSON	32	0.20	0.20	85	188	188
VFS-3	WILLIAMSON	32	0.24	0.24	85	226	226
VFS-4	WILLIAMSON	32	0.36	0.36	85	339	339
VFS-5	WILLIAMSON	32	0.68	0.68	85	640	640
VFS-6	WILLIAMSON	32	0.37	0.37	85	348	348
VFS-7	WILLIAMSON	32	0.15	0.15	85	141	141
VFS-8	WILLIAMSON	32	0.15	0.15	85	141	141
VFS-9	WILLIAMSON	32	0.12	0.12	85	113	113
VFS-10	WILLIAMSON	32	0.19	0.19	85	179	179
VFS-11	WILLIAMSON	32	0.61	0.61	85	574	574
VFS-12	WILLIAMSON	32	0.13	0.13	85	122	122
VFS-13	WILLIAMSON	32	0.04	0.04	85	38	38
VFS-14	WILLIAMSON	32	0.13	0.13	85	122	122
VFS-15	WILLIAMSON	32	0.28	0.28	85	264	264
VFS-16	WILLIAMSON	32	0.20	0.20	85	188	188
VFS-17	WILLIAMSON	32	0.18	0.18	85	169	169
VFS-18	WILLIAMSON	32	0.28	0.28	85	264	264
VFS-19	WILLIAMSON	32	0.68	0.68	85	640	640
VFS-20	WILLIAMSON	32	0.51	0.51	85	480	480
VFS-21	WILLIAMSON	32	0.12	0.12	85	113	113
VFS-22	WILLIAMSON	32	0.32	0.32	85	301	301
VFS-23	WILLIAMSON	32	0.41	0.41	85	386	386
VFS-24	WILLIAMSON	32	0.59	0.59	85	555	555
VFS-25	WILLIAMSON	32	0.20	0.20	85	188	188
VFS-26	WILLIAMSON	32	0.50	0.50	85	471	471
VFS-27	WILLIAMSON	32	0.12	0.12	85	113	113
VFS-28	WILLIAMSON	32	0.04	0.04	85	38	38
TOTAL							7,915

THE FOLLOWING TCEQ REQUIREMENTS (FORM TCEQ-0592A, REV. 7/15/15) ARE APPLICABLE TO ALL WORK THAT DISTURBS 5 OR MORE ACRES IN THE CONTRIBUTING ZONE OF THE EDWARDS AQUIFER IN HAYS, TRAVIS AND/OR WILLIAMSON COUNTIES AND MUST BE ADHERED TO BY THE CONTRACTOR AND ALL SUBCONTRACTORS:

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE:
   - THE NAME OF THE APPROVED PROJECT;
   - THE ACTIVITY START DATE; AND
   - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON-SITE.
3. NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
4. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
8. ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
9. IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOILSTABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
    - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
    - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
    - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
11. THE HOLDER OF ANY APPROVED CZP MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
    A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
    B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;
    C. ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER; OR
    D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

TCEQ REGIONAL OFFICE
Austin Regional Office
12100 Park 35 Circle
Bldg A, Room 179
Austin, Texas 78753
Phone: (512) 339-2929
Fax: (512) 339-3795

NO.	REVISION	BY	DATE



WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
COMPUTATIONS & GENERAL NOTES

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	226

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		Ac.	lbs
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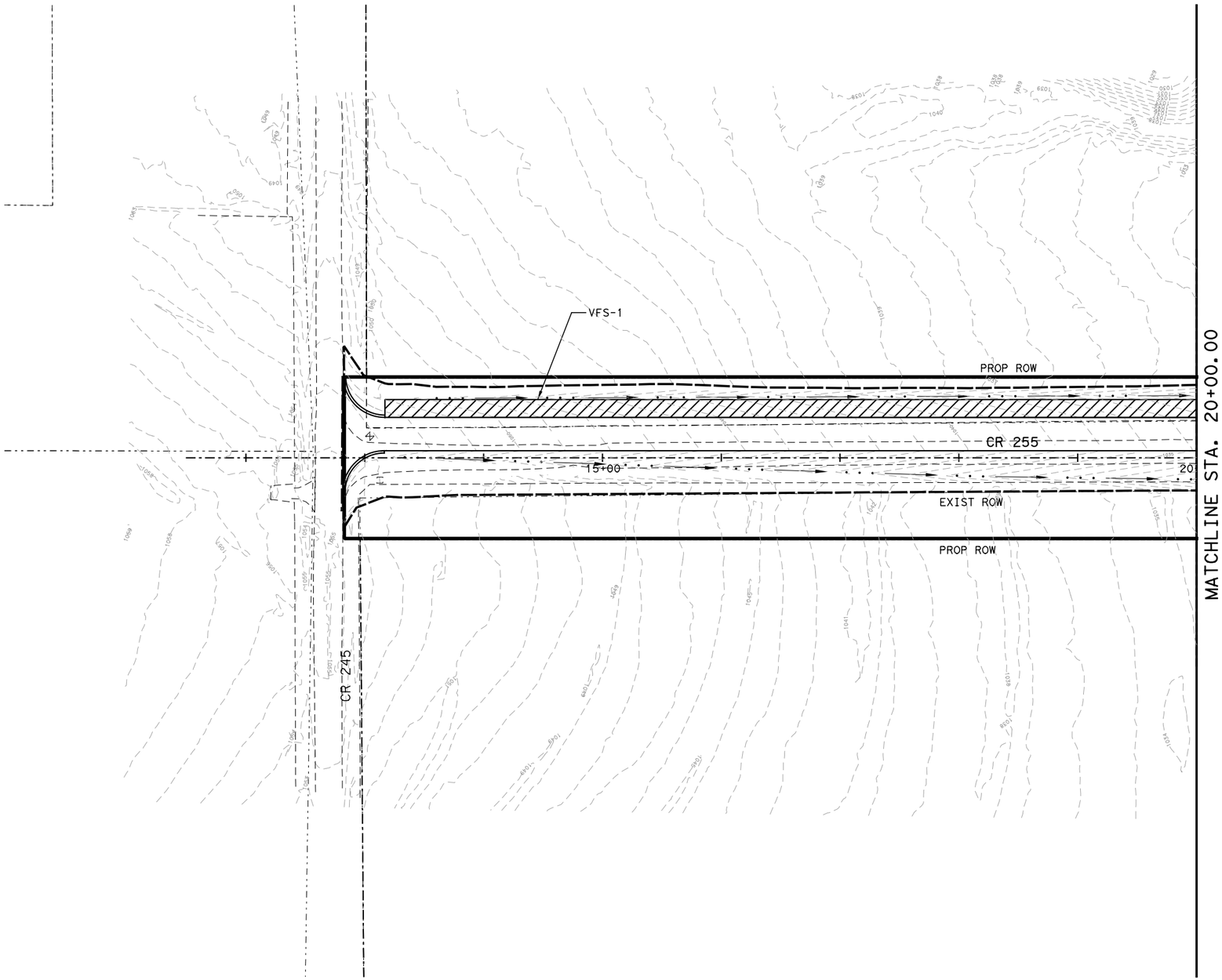

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG
CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

BEGIN TO STA 20+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 1 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	227

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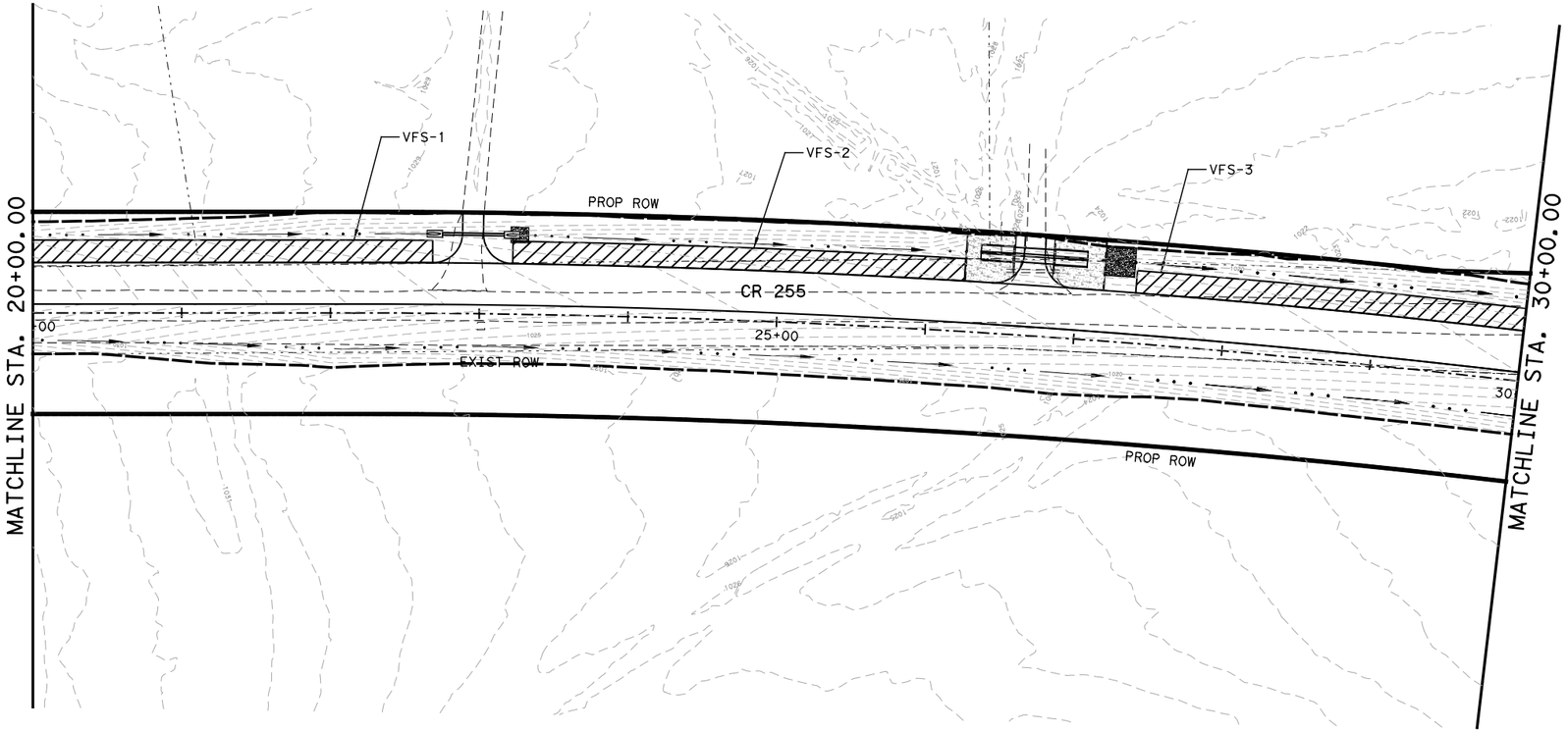
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-1	VFS	0.61	574
VFS-2	VFS	0.2	188
VFS-3	VFS	0.24	226

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS



NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

10/25/2024

WILCO TEXAS

DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

STA 20+00 TO 30+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 2 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	228

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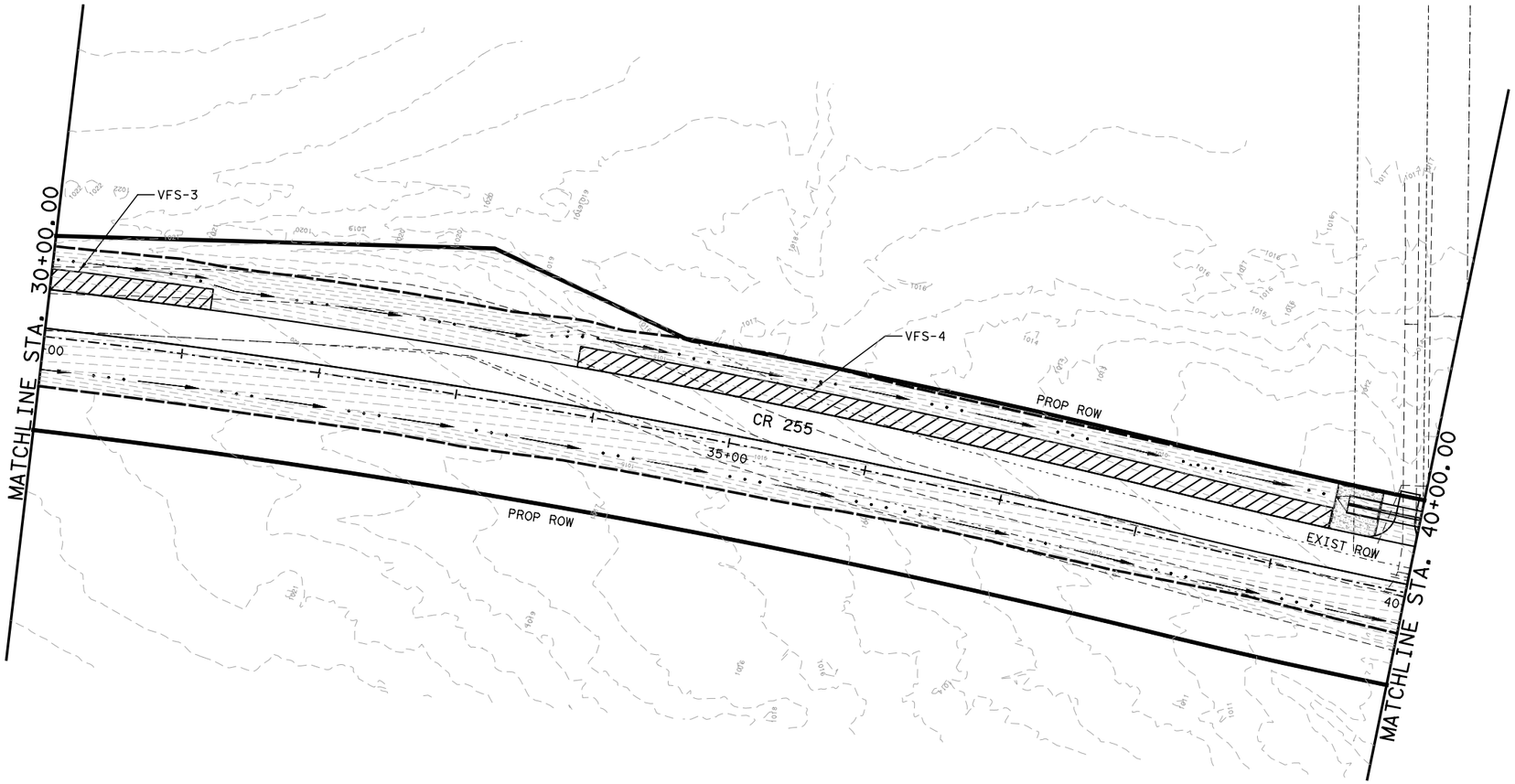
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-3	VFS	0.24	226
VFS-4	VFS	0.36	339



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 30+00 TO 40+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 3 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	229

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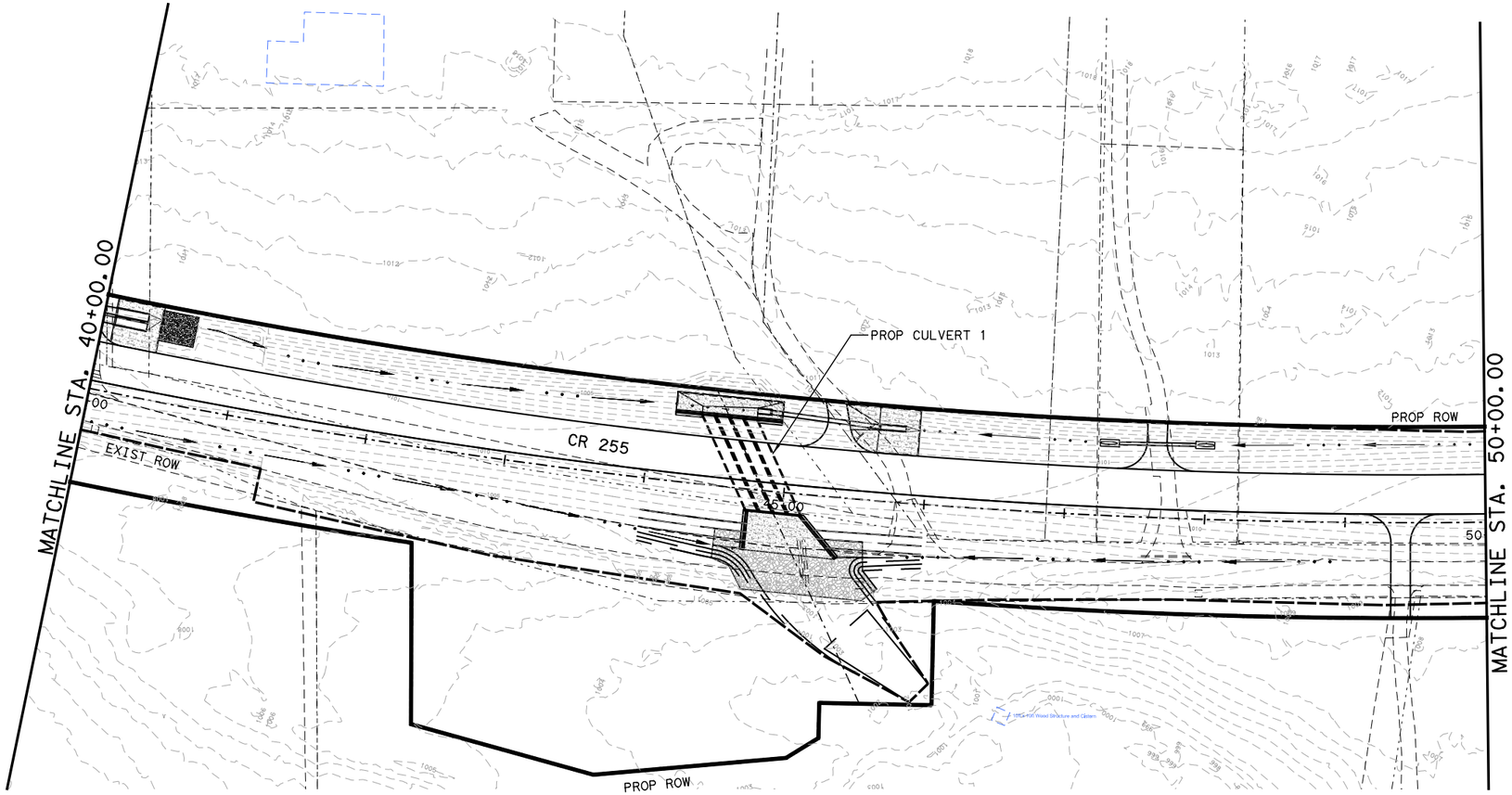

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER

Clay E. Gann, P.E.
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG
CIVIL ENGINEERING

CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 40+00 TO 50+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 4 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	230

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		Ac.	lbs
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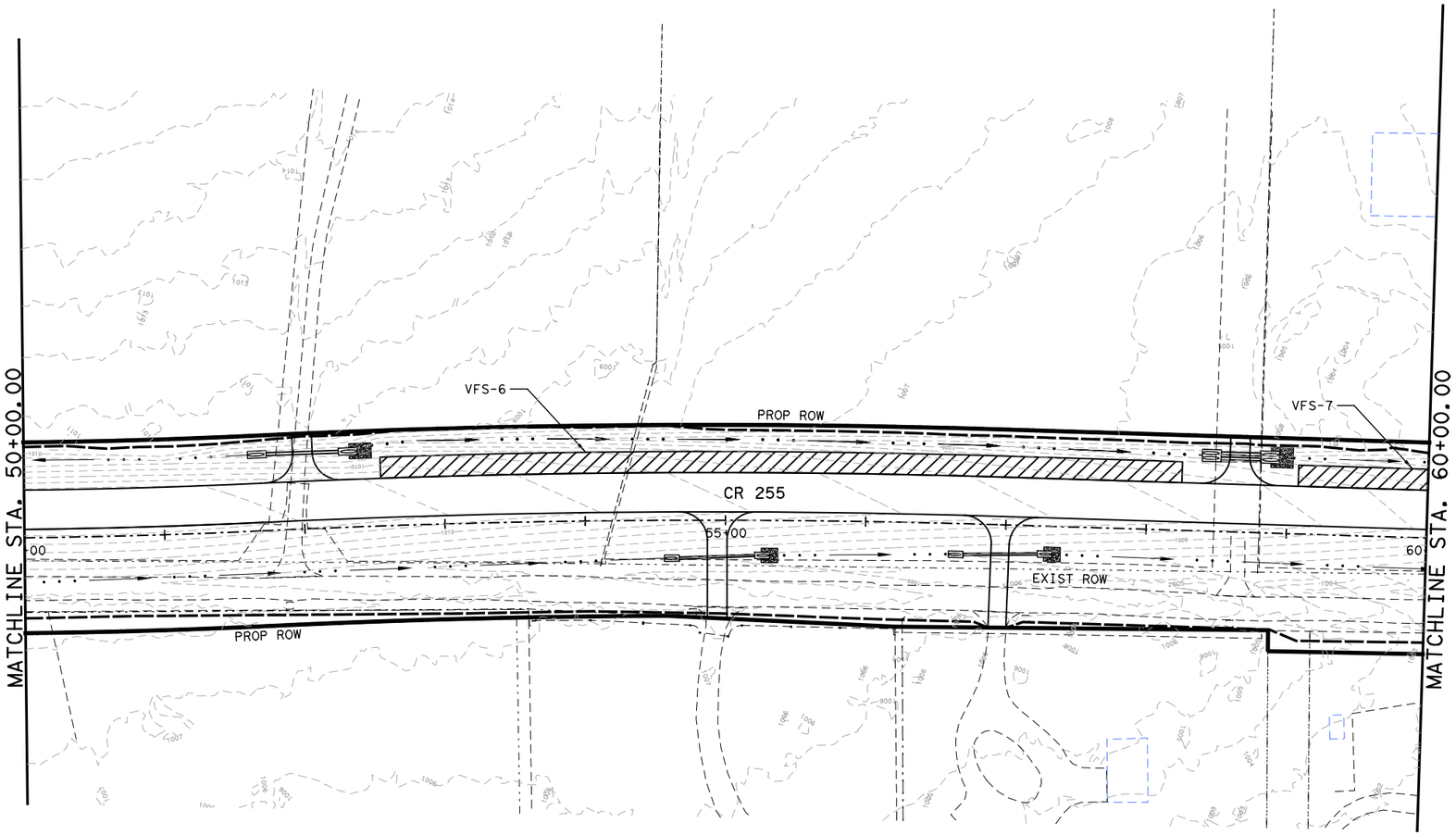
VFS-7	VFS	0.15	141



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

STA 50+00 TO 60+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 5 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	231

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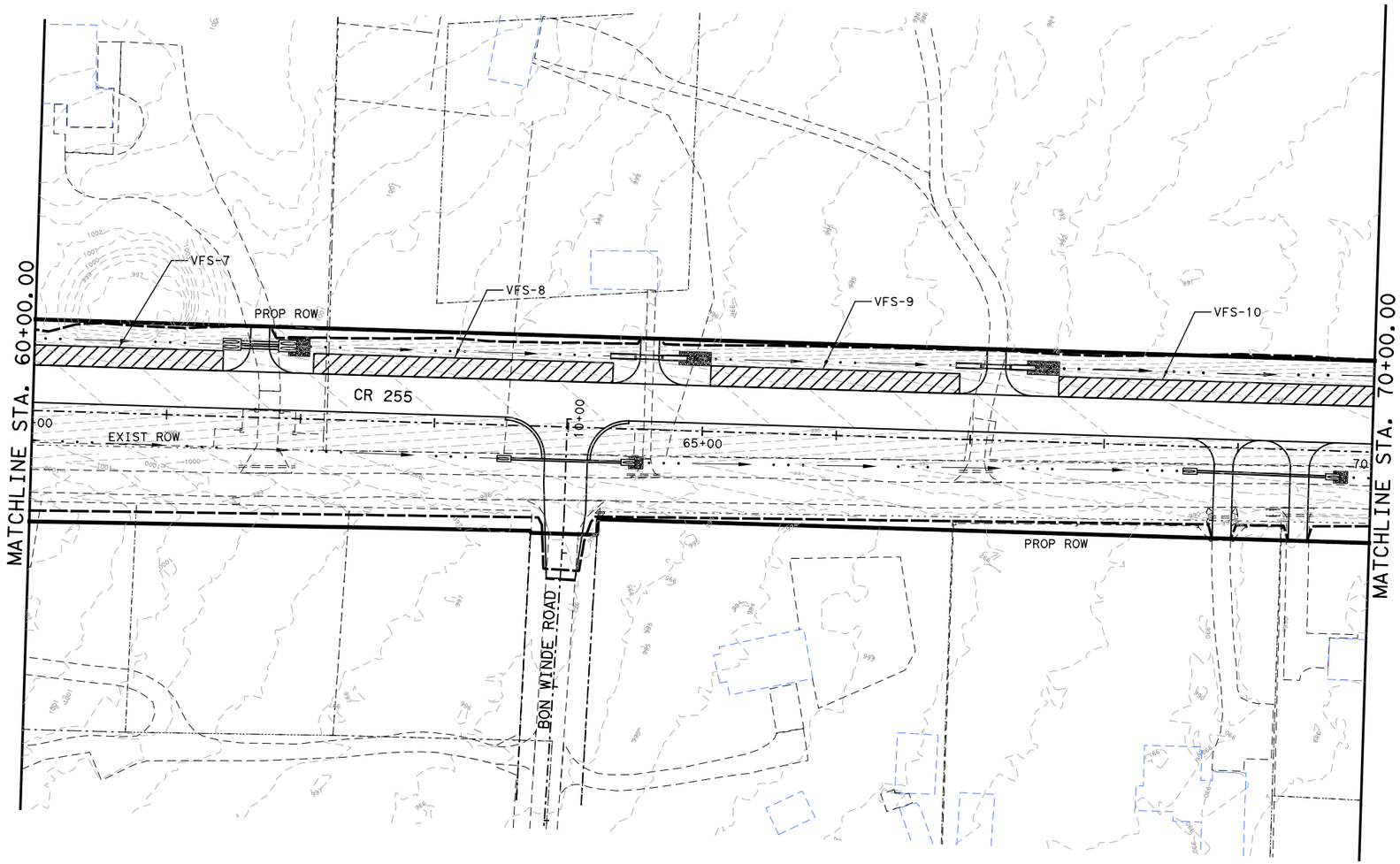
		Ac.	lbs
VFS-7	VFS	0.15	141
VFS-8	VFS	0.15	141
VFS-9	VFS	0.12	113
VFS-10	VFS	0.19	179



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 60+00 TO 70+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 6 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	232

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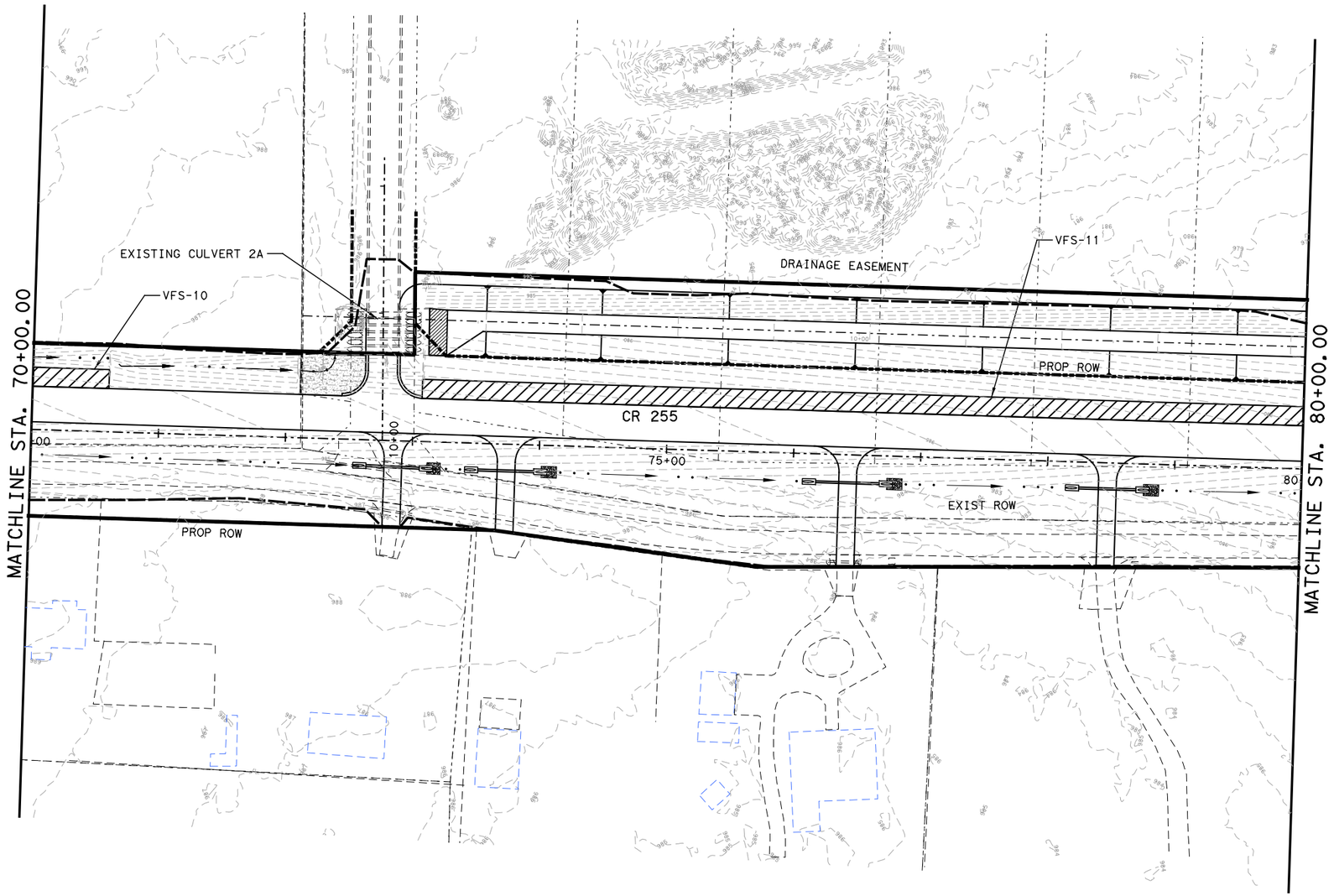
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-10	VFS	0.19	179
VFS-11	VFS	0.61	574



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 70+00 TO 80+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 7 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	233

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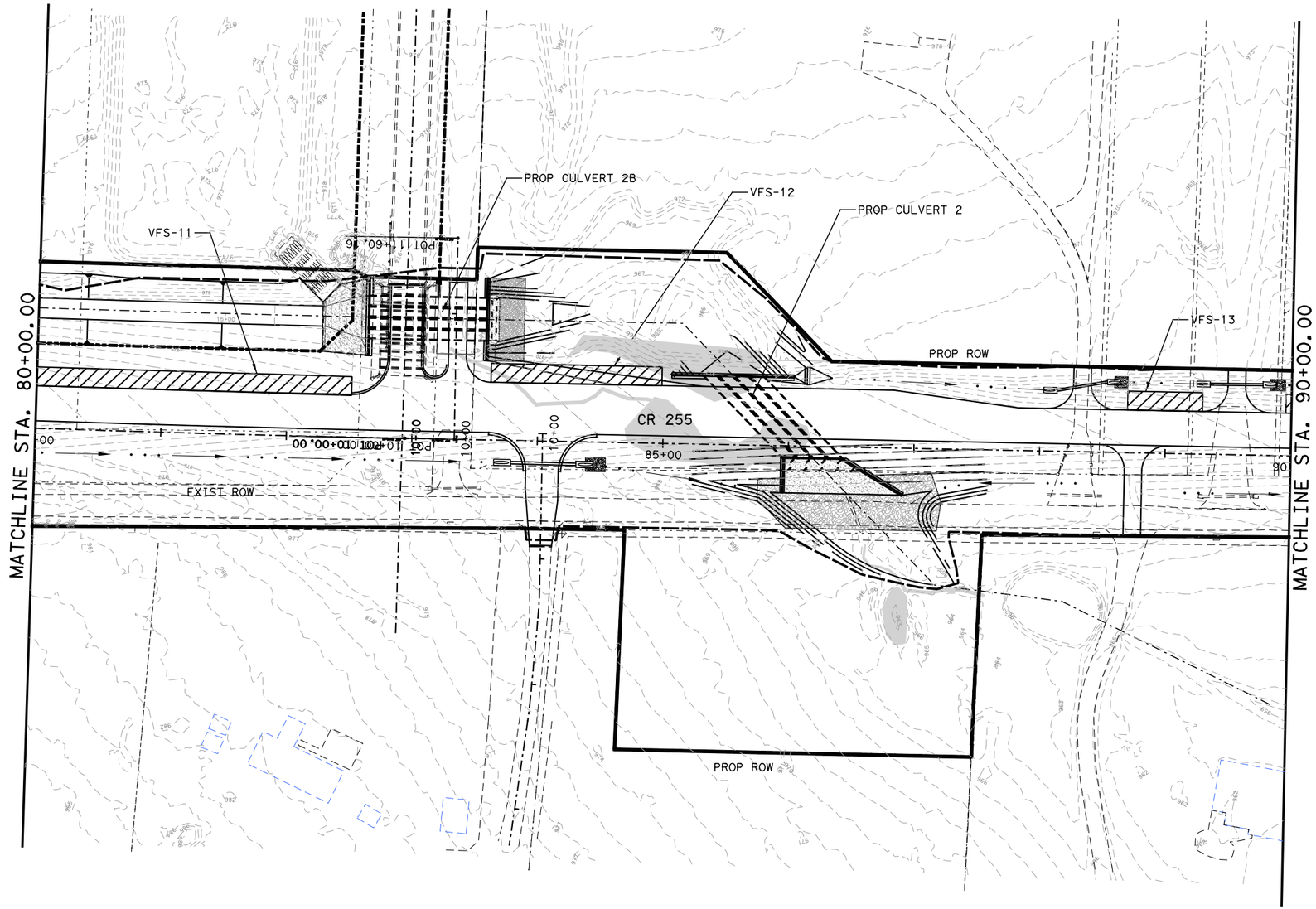
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-11	VFS	0.61	574
VFS-12	VFS	0.13	122
VFS-13	VFS	0.04	38



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED
PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 80+00 TO 90+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 8 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	234

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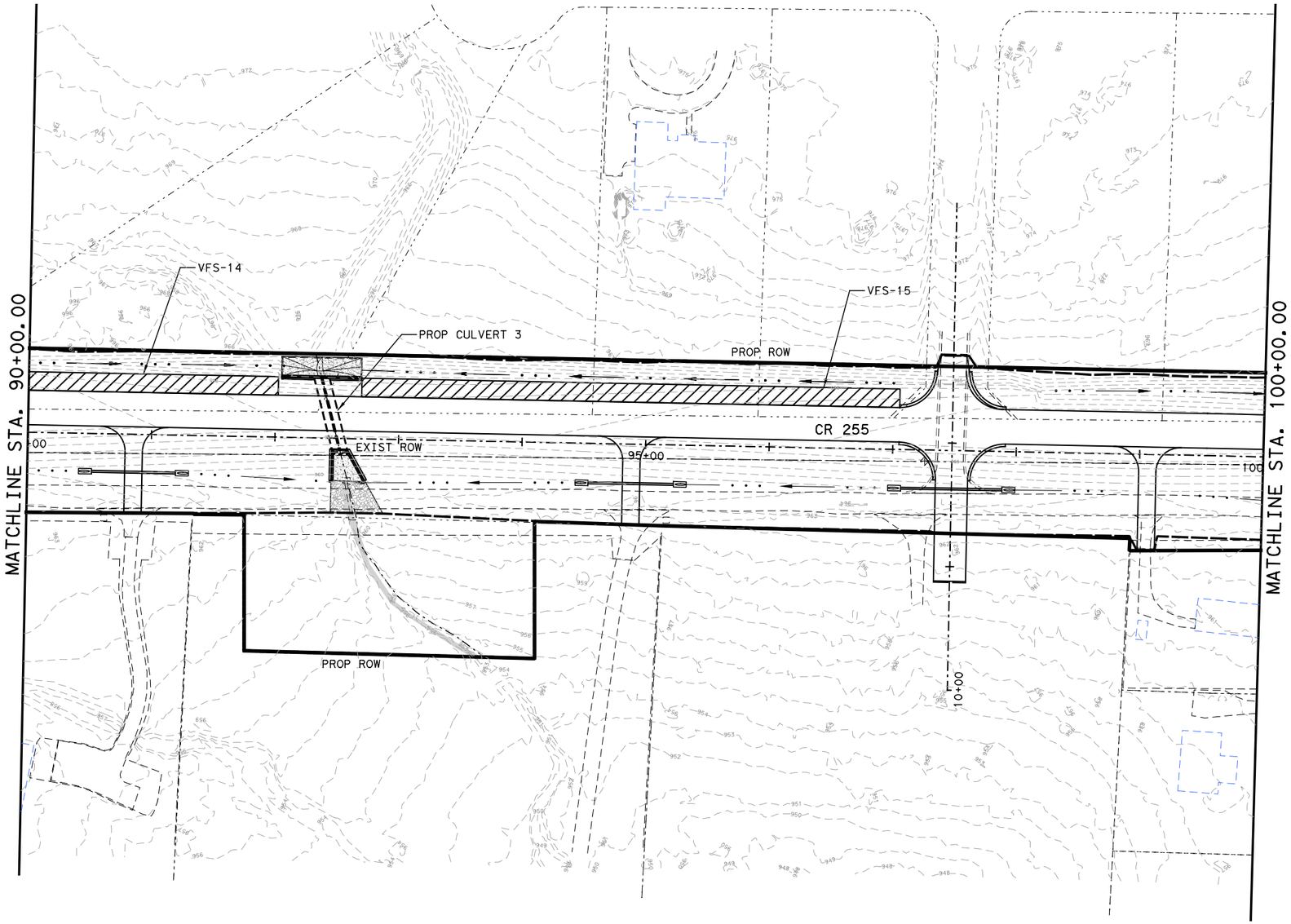
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-14	VFS	0.13	122
VFS-15	VFS	0.28	264



0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

DEPARTMENT OF INFRASTRUCTURE

WILCO TEXAS

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 90+00 TO 100+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 9 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
	X	TEXAS			CR 255	
CHECKED:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
DRAWN:	XX	XX	XX	XX	XX	235
CHECKED:						

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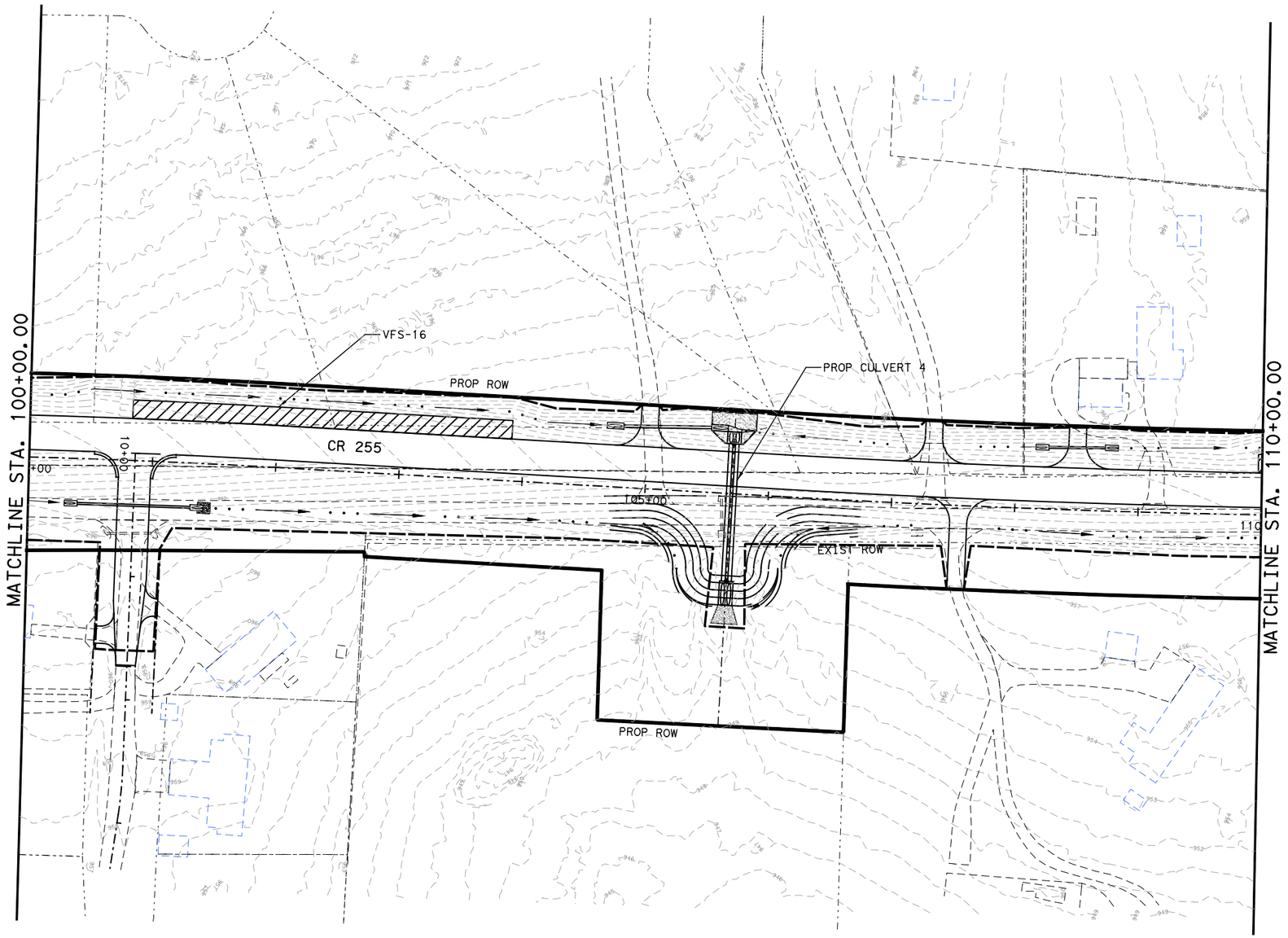
BMP ID	BMP TYPE	TOTAL IMPERVIOUS AREA	TSS LOAD REMOVED
		Ac.	lbs
VFS-16	VFS	0.2	188



0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

NO.	REVISION	BY	DATE

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER
10/25/2024

WILCO TEXAS
DEPARTMENT OF INFRASTRUCTURE

CLG CIVIL ENGINEERING
CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN
STA 100+00 TO 110+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 10 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	236

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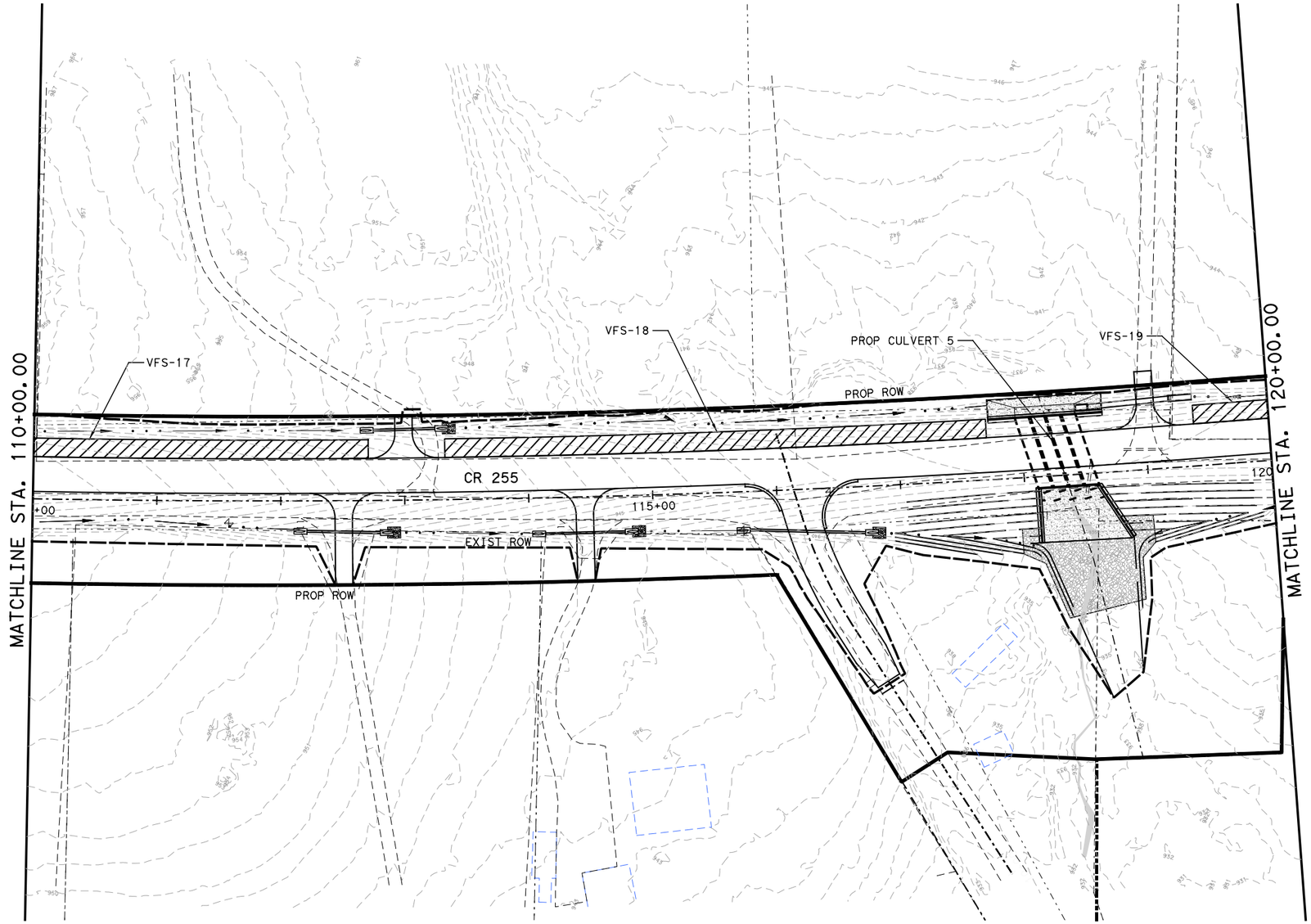

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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88491
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10/25/2024

DEPARTMENT OF INFRASTRUCTURE

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3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

STA 110+00 TO 120+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 11 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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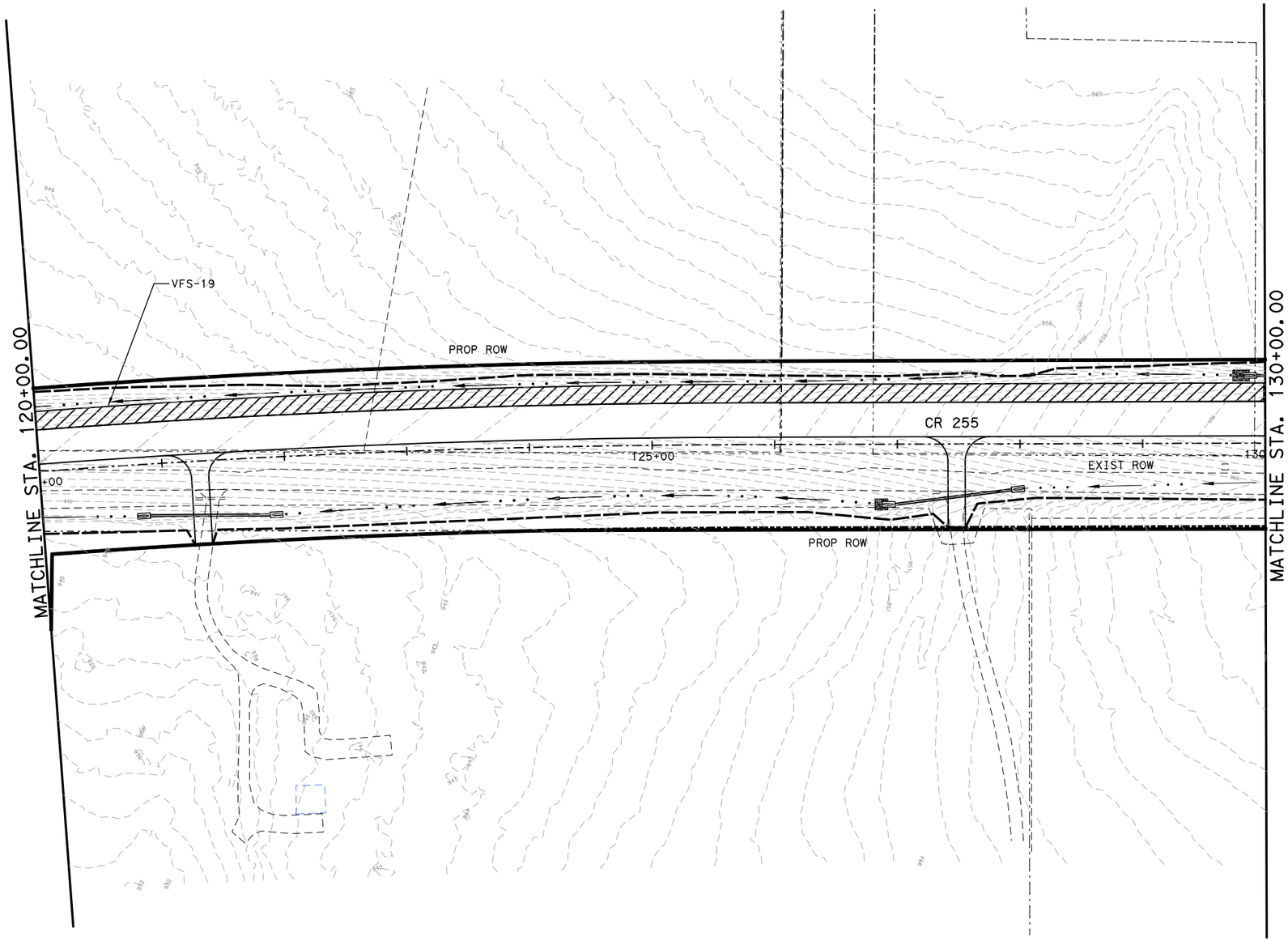

0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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CLGANN, LLC
3708 Norman Loop
Round Rock, TX 78664
512.574.5738
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CR 255
WATER QUALITY SITE PLAN
STA 120+00 TO 130+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 12 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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		Ac.	lbs
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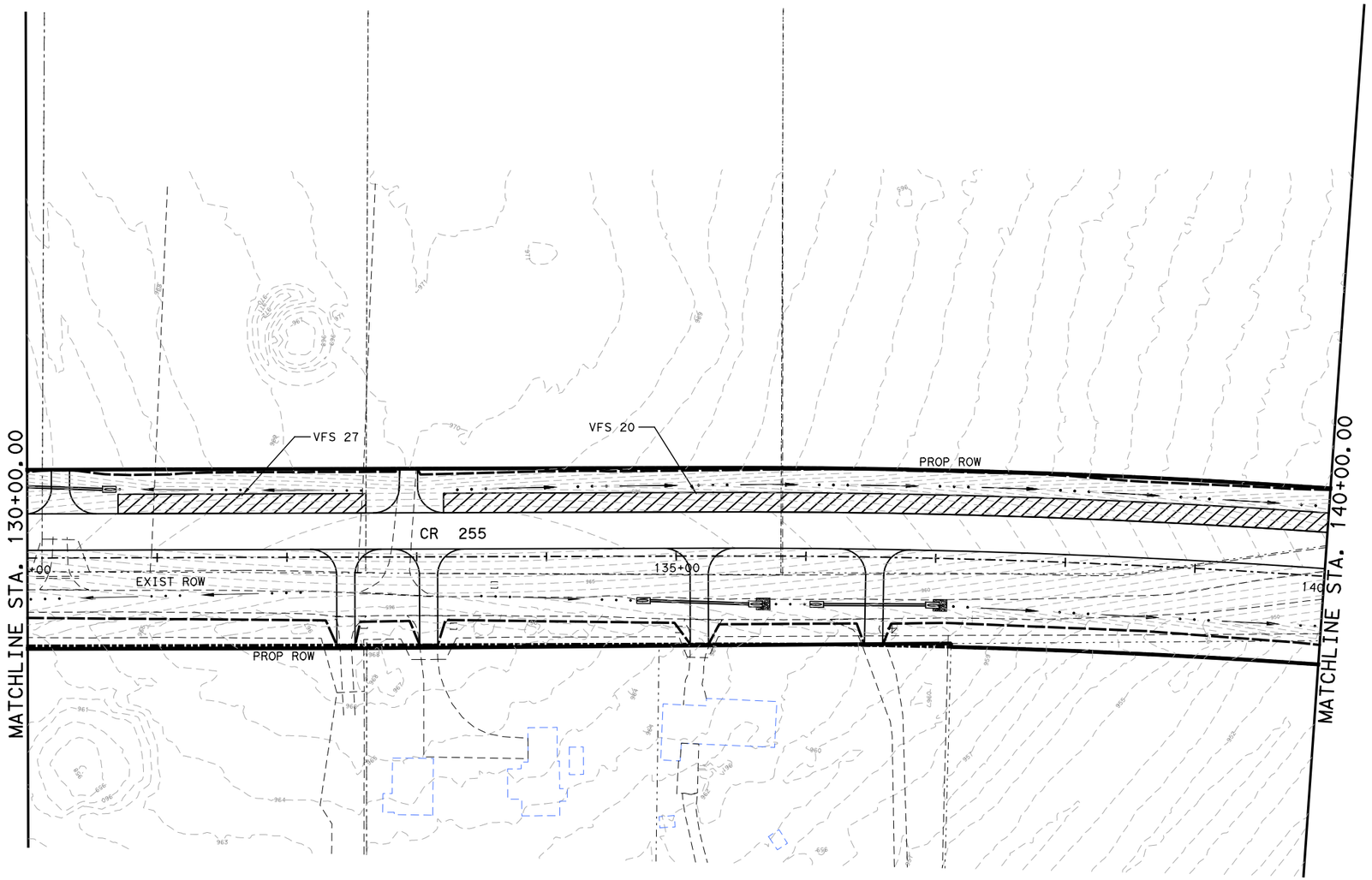
VFS-20	VFS	0.51	480

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS



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512.574.5738
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CR 255
WATER QUALITY SITE PLAN
STA 130+00 TO 140+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 13 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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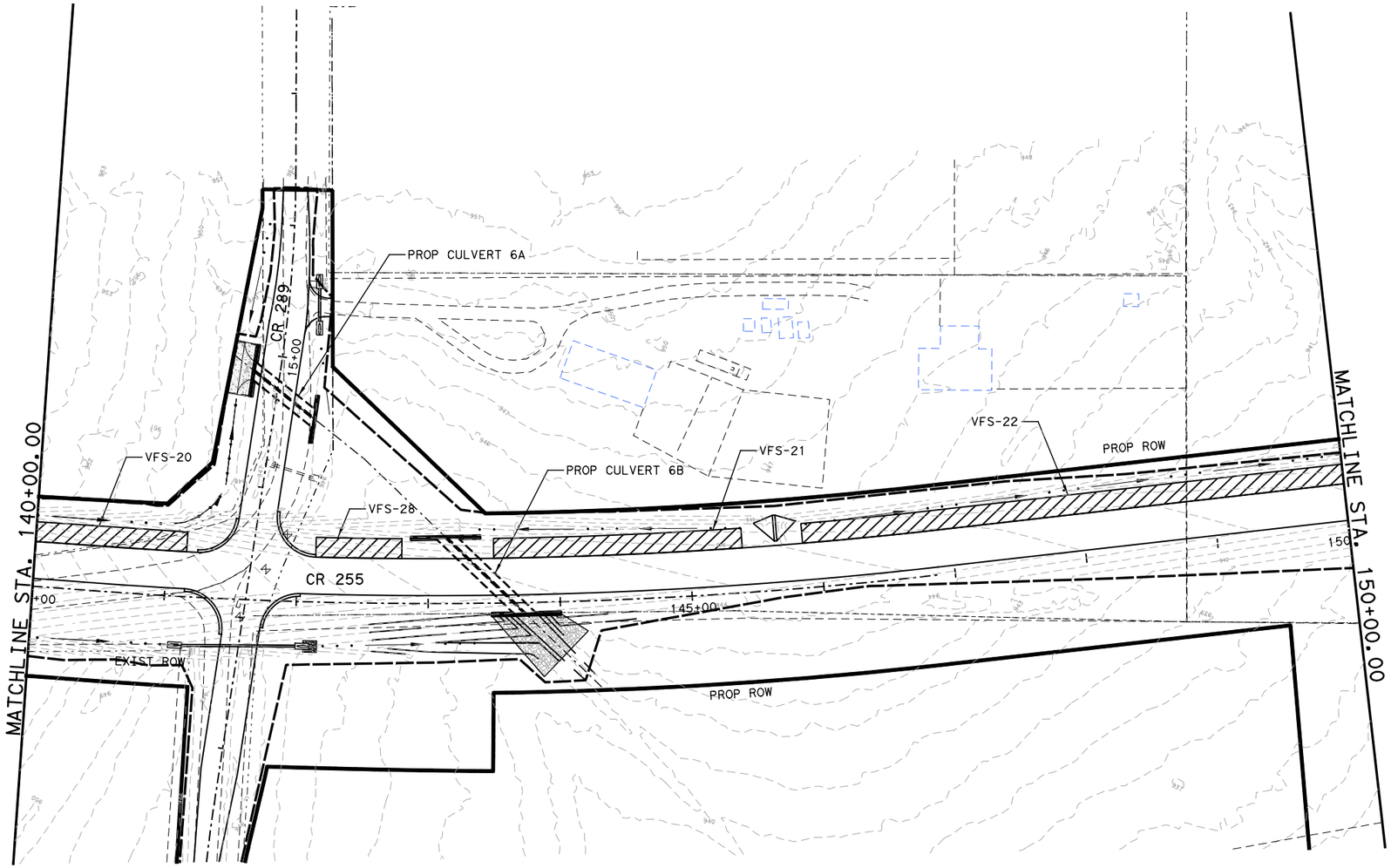
VFS-22	VFS	0.32	301
VFS-28	VFS	0.04	38



0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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CR 255
WATER QUALITY SITE PLAN
STA 140+00 TO 150+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 14 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	240

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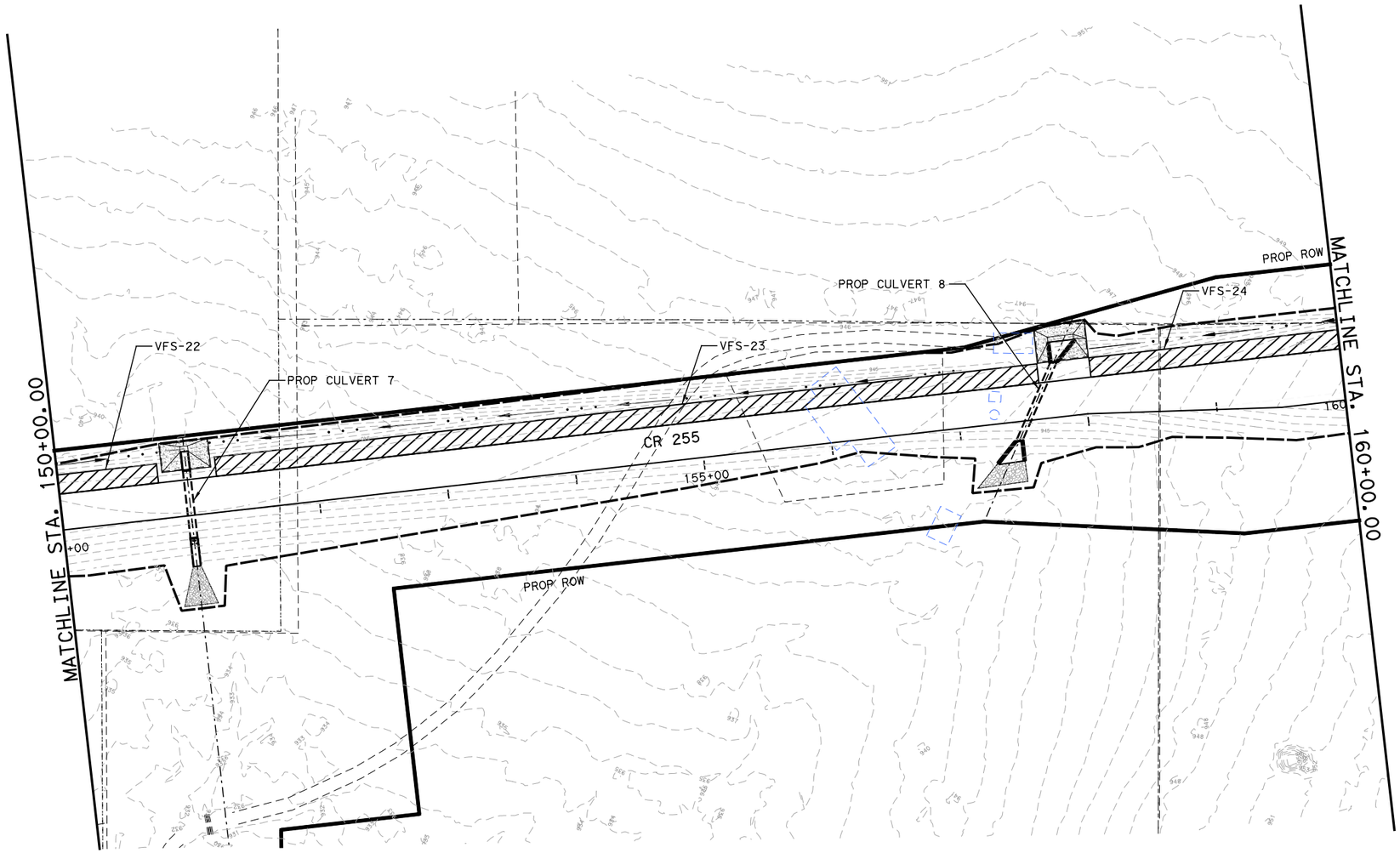
VFS-23	VFS	0.41	386
VFS-24	VFS	0.59	555



0 50 100
SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

STA 150+00 TO 160+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 15 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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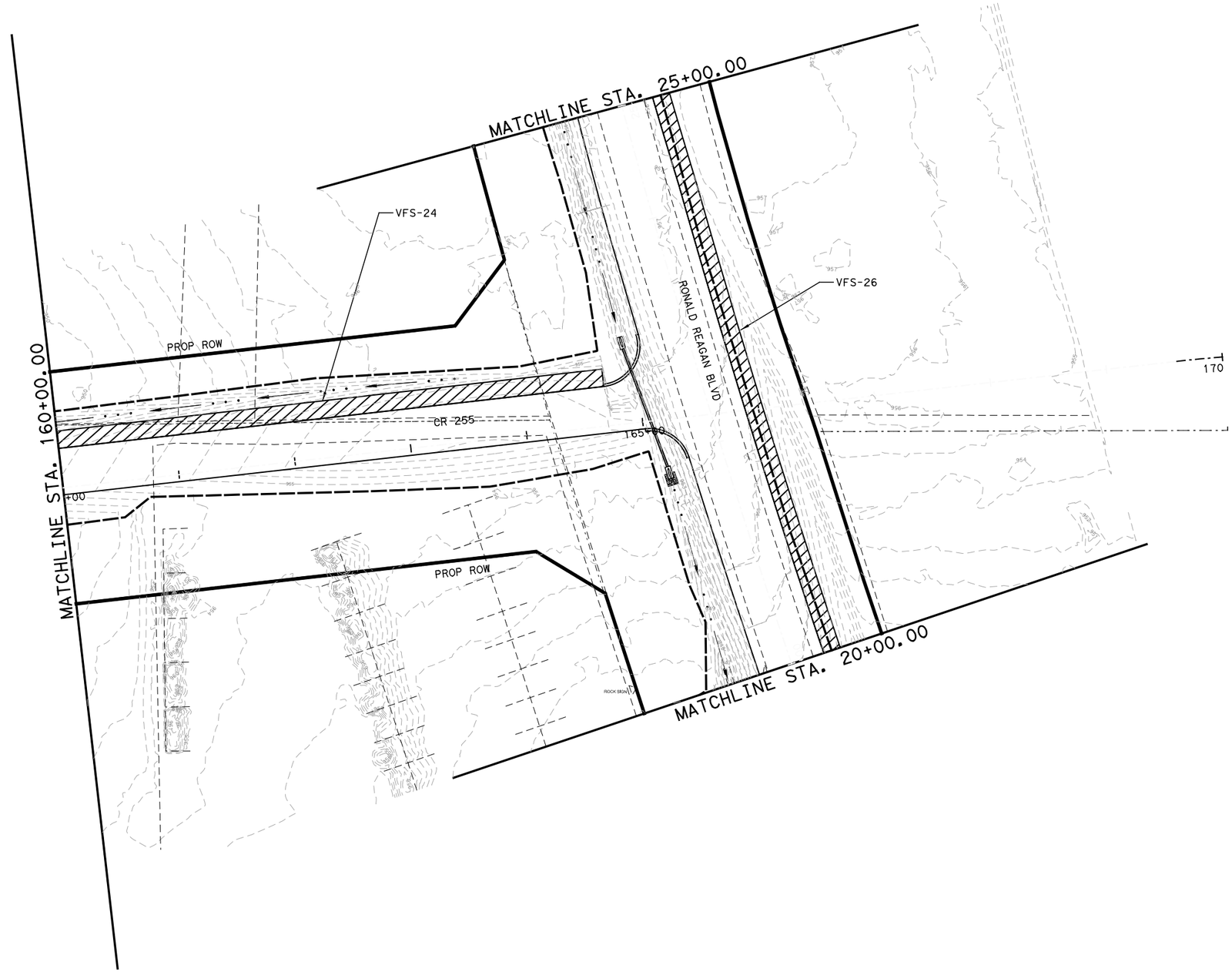
VFS-26	VFS	0.5	471



0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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CLGANN, LLC
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Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

STA 160+00 TO END

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 16 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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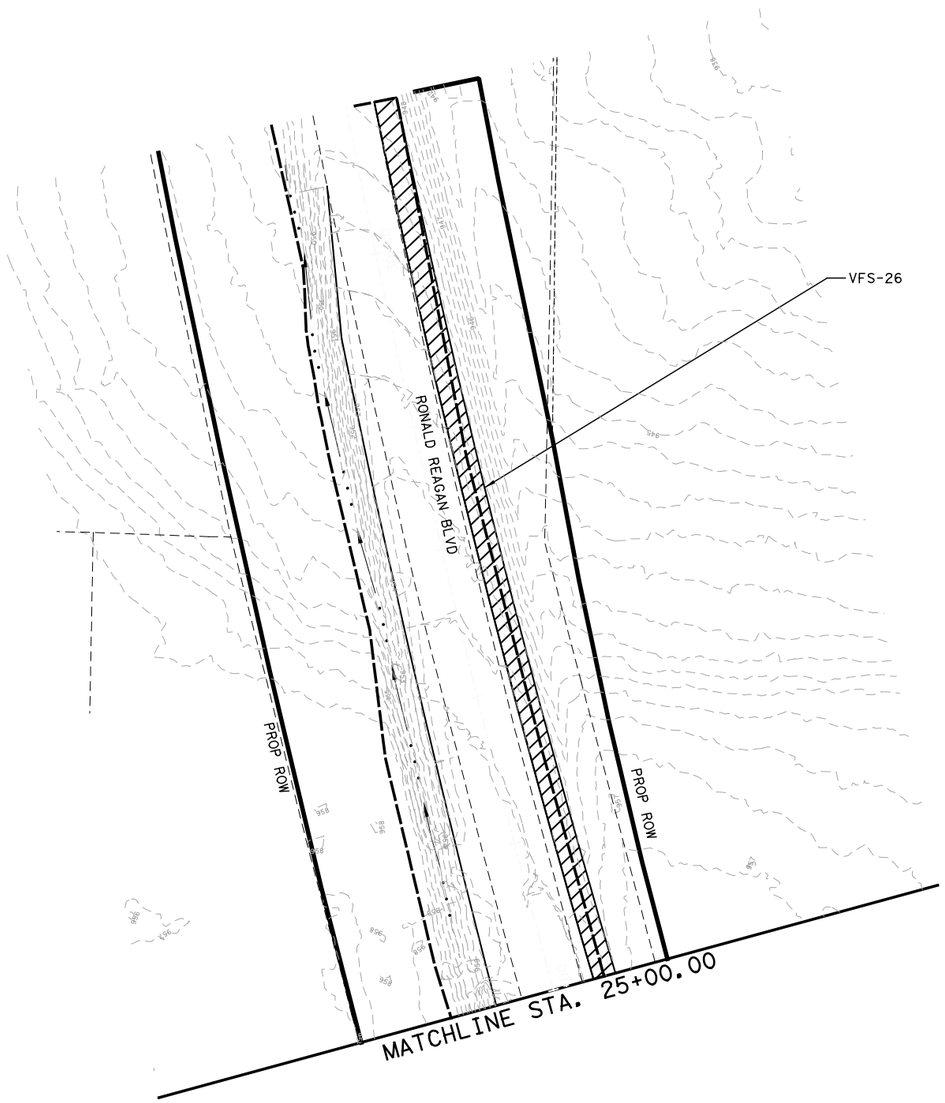

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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3708 Norman Loop
Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

RONALD REAGAN STA 25+00 TO END

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 17 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED:	XX	XX	XX	XX	XX	243

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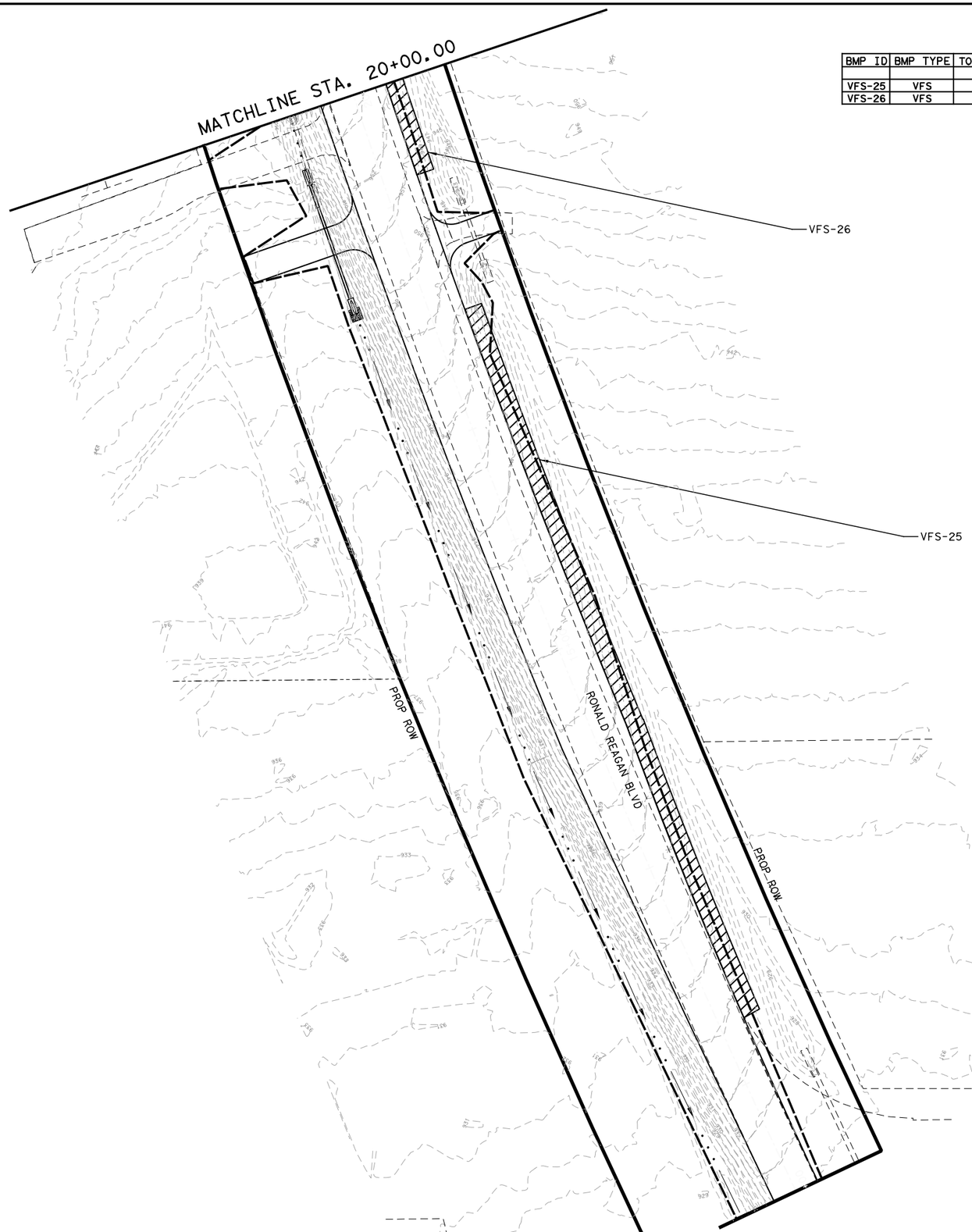

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		Ac.	lbs
VFS-25	VFS	0.2	188
VFS-26	VFS	0.5	471

0 50 100

SCALE: 1" = 100'

LEGEND

- DITCH FLOWLINE
- EXIST CONTOUR
- EXIST ROW
- PROP ROW/PROJECT SITE
- ENGINEERED VEGETATIVE FILTER STRIPS
- LIMITS OF CONSTRUCTION / SOIL DISTURBANCE
- WETLANDS

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Round Rock, TX 78664
512.574.5738
TBPE Firm No. 20717

CR 255
WATER QUALITY SITE PLAN

RONALD REAGAN STA 10+00 TO 20+00

H SCALE: 1" = 100'
V SCALE: 1" = 10'

SHEET 18 OF 18

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.		HIGHWAY No.	
CHECKED:	X	TEXAS			CR 255	
DRAWN:	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
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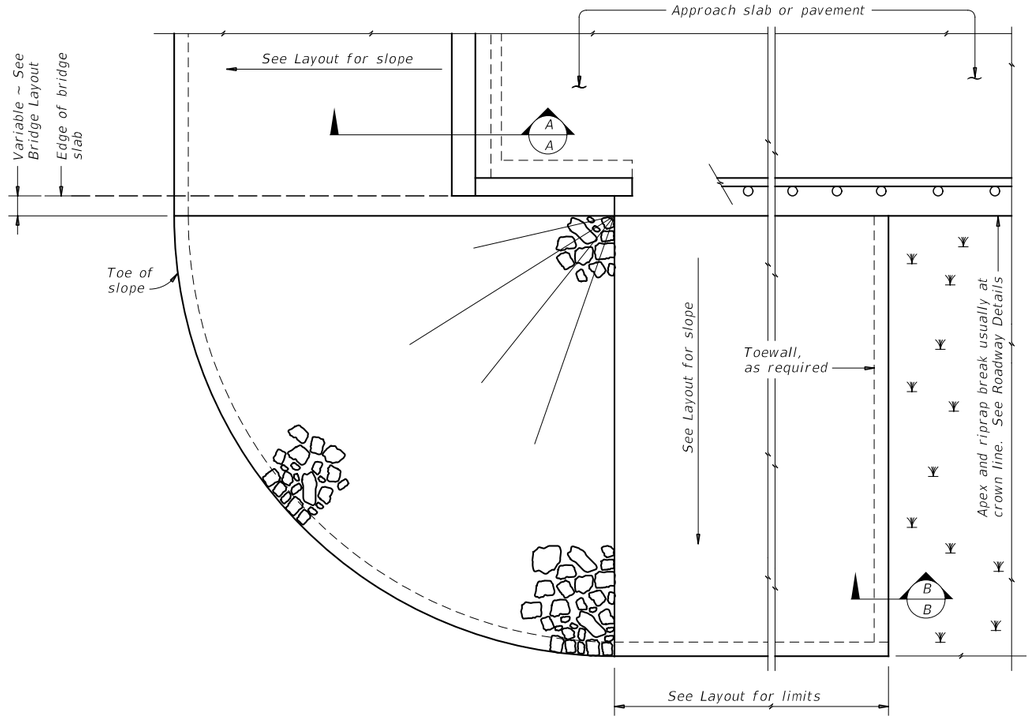
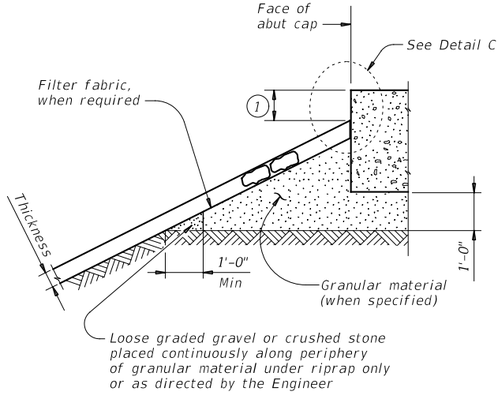
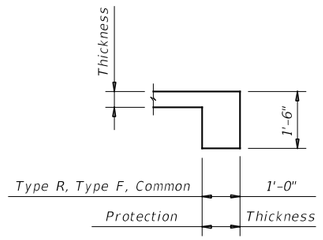


PLAN

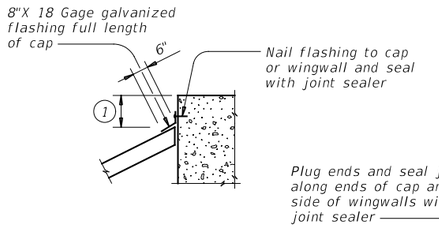


SECTION A-A AT CAP

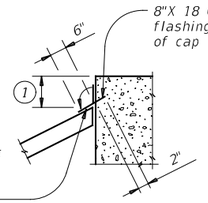


SECTION B-B

Provide toewall when shoulder drain is located adjacent to limits of stone riprap. Omit toewall when thickness of protection riprap is greater than 18".

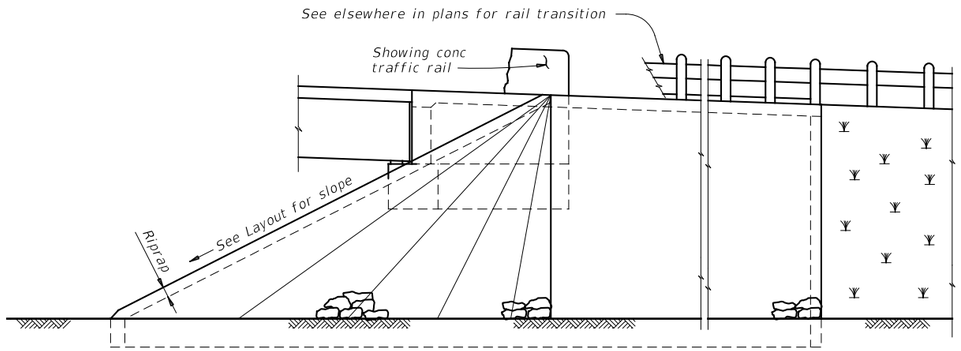


CAP OPTION A



CAP OPTION B

DETAIL C



ELEVATION

1 Top of cap to top of riprap dimension varies as directed by the Engineer. Provide 9" Min for beam/slab type bridges and 1'-6" for slab span, box beam, or slab beam bridges.

GENERAL NOTES:
Refer to Item 432, "Riprap" for stone size and gradation, and construction details. See Layout for limits and thickness of riprap specified.
See elsewhere in plans for locations and details of shoulder drains.

Texas Department of Transportation

Bridge Division Standard

STONE RIPRAP

SRR

FILE: srrstde1-19.dgn	DN: AES	CK: JGD	DW: BWH	CK: AES
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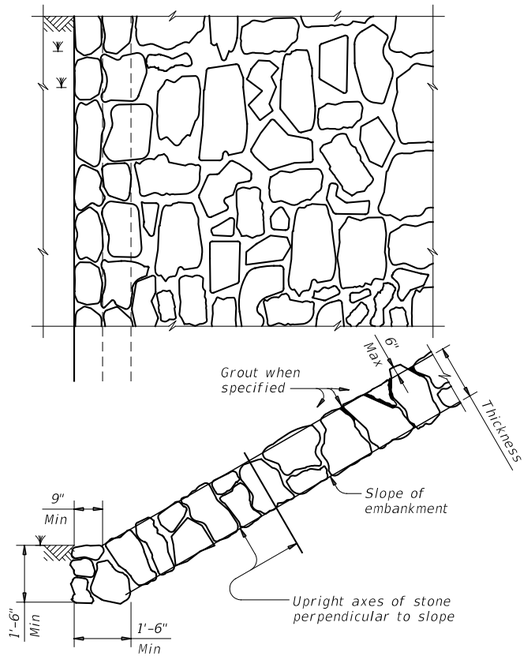


FIGURE 1 ~ TYPE R STONE RIPRAP

dry or grouted

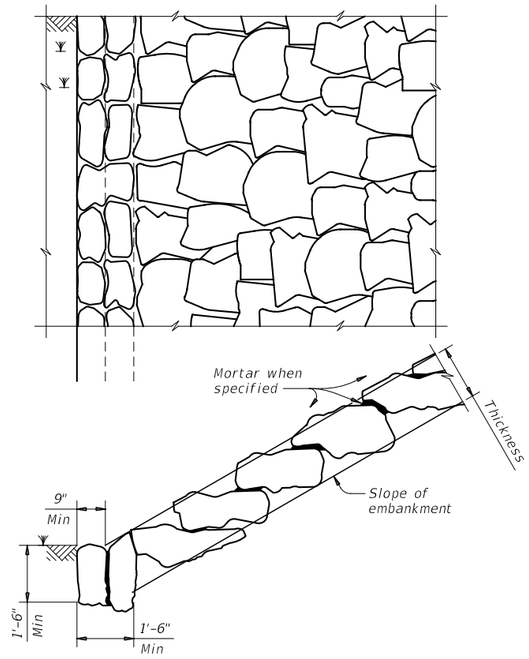


FIGURE 2 ~ TYPE F STONE RIPRAP

dry or mortared

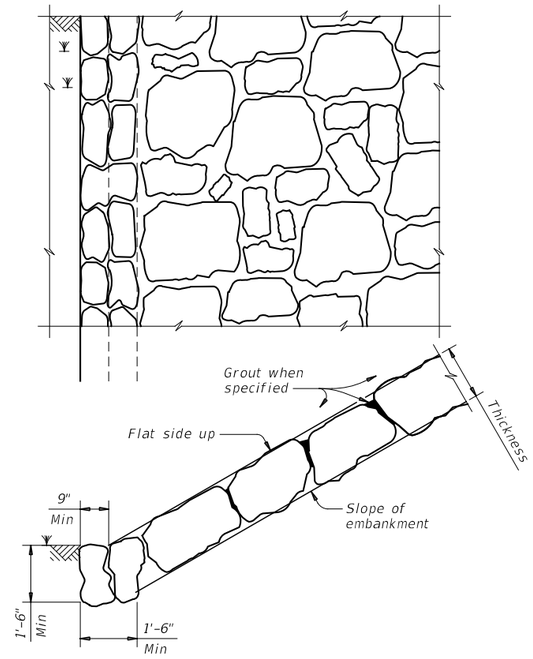


FIGURE 3 ~ TYPE F STONE RIPRAP

grouted

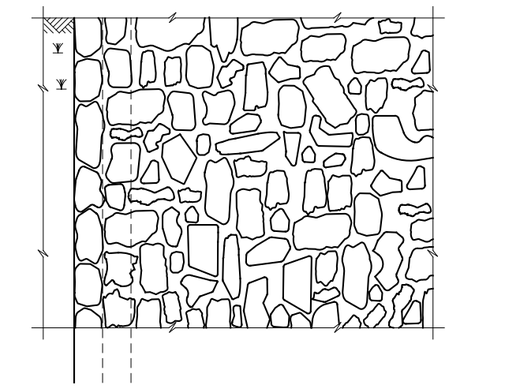


FIGURE 4 ~ COMMON STONE RIPRAP

dry or grouted

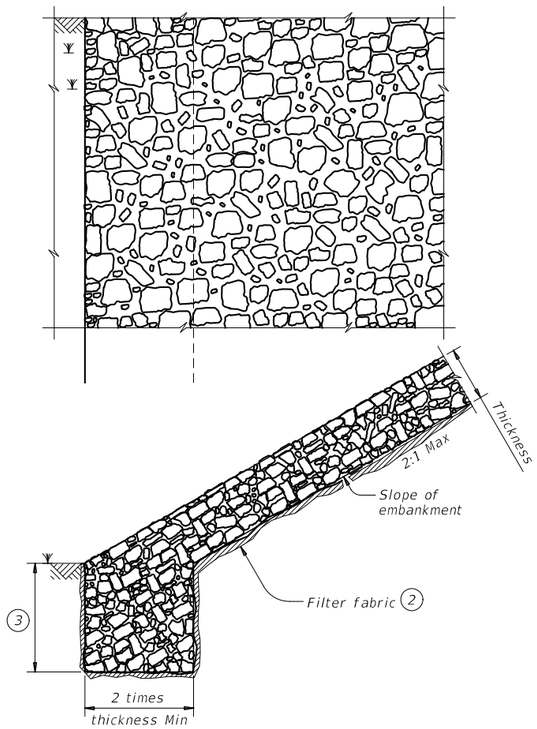


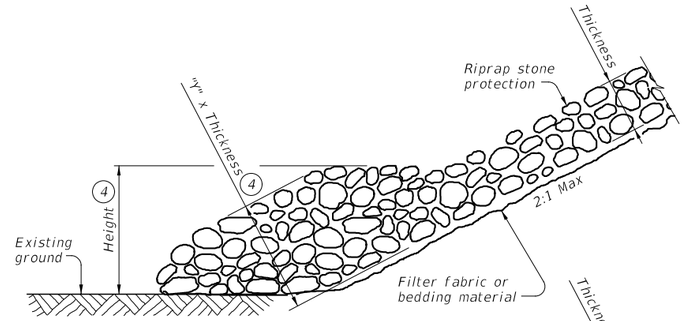
FIGURE 5 ~ PROTECTION STONE RIPRAP (5)

(2) Provide bedding material instead of filter fabric if shown elsewhere in plans. See Layout for thickness of bedding material.

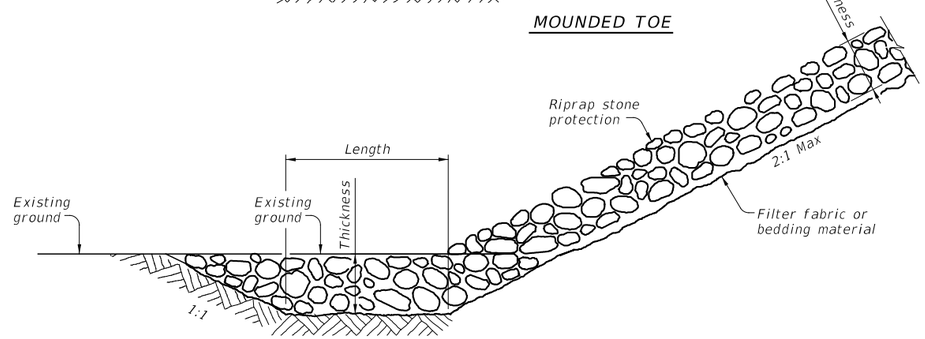
(3) Minimum toe depth is the larger of the maximum scour depth or 2 times the riprap thickness.

(4) "Y" and Height need to be defined. See layout or detail sheet for values if this option is used.

(5) List Stone Protection as size (XX inch) and thickness (YY inch) on the layout.
Example: Riprap (Stone Protection) XX inch, Thickness = YY inch.



MOUNDED TOE



EXTENDED ROCK FILLED TRENCH

PROTECTION STONE RIPRAP TOE OPTIONS (5)

Texas Department of Transportation

Bridge Division Standard

STONE RIPRAP

SRR

FILE: srrstde1-19.dgn	DN: AES	CK: JGD	DW: BWH	CK: AES
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				246

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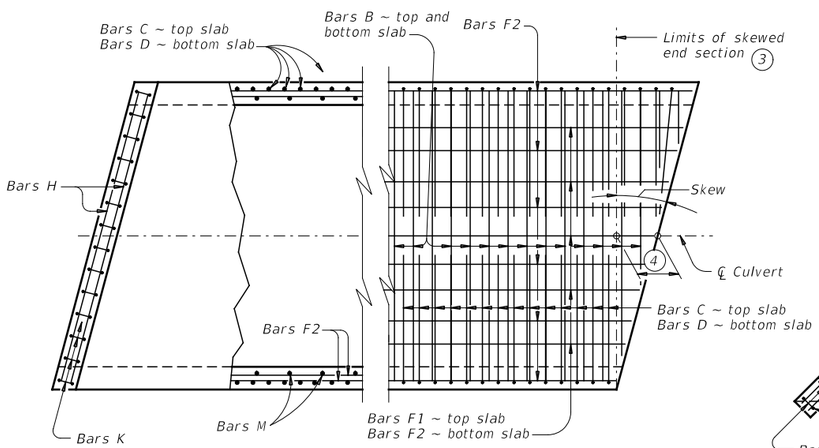
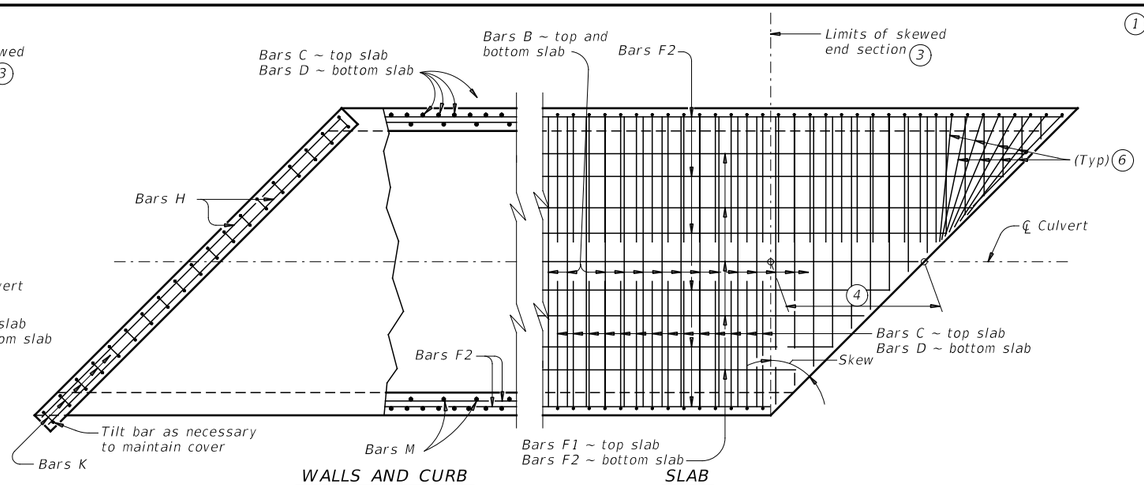
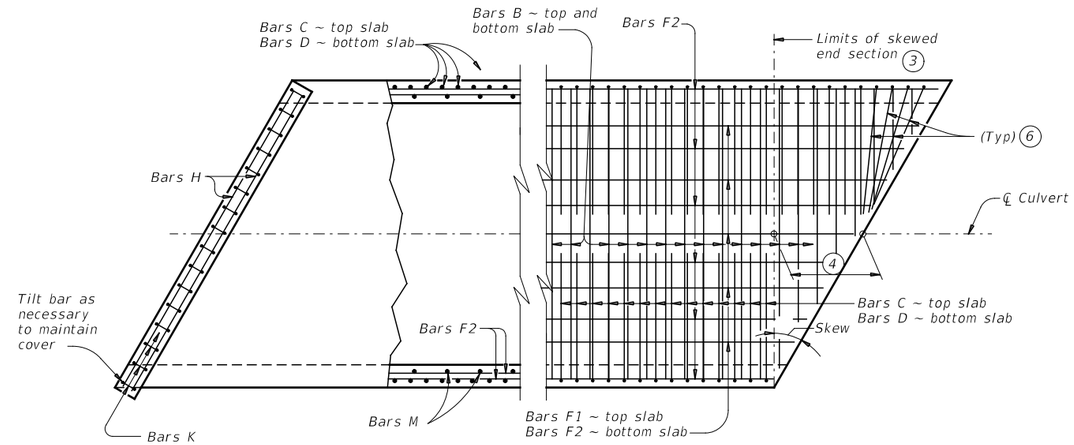


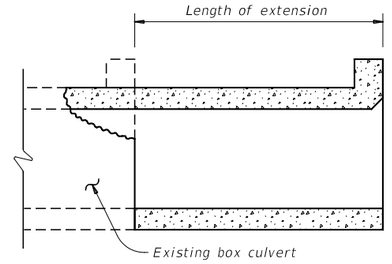
PLAN OF SKEWED ENDS ~ FROM 0° TO 15° (7)



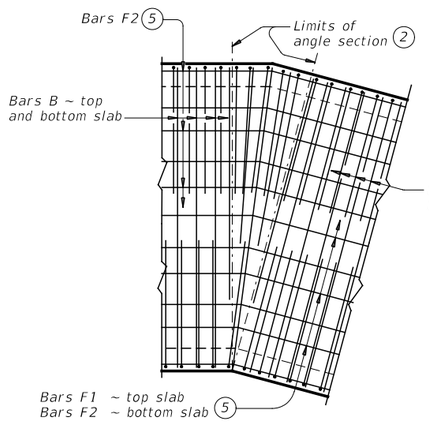
PLAN OF SKEWED ENDS ~ OVER 30° TO 45°



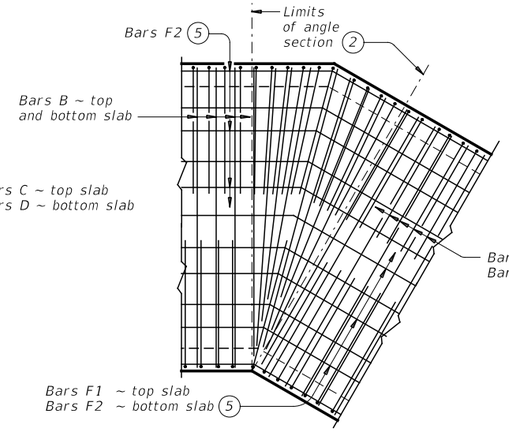
PLAN OF SKEWED ENDS ~ OVER 15° TO 30°



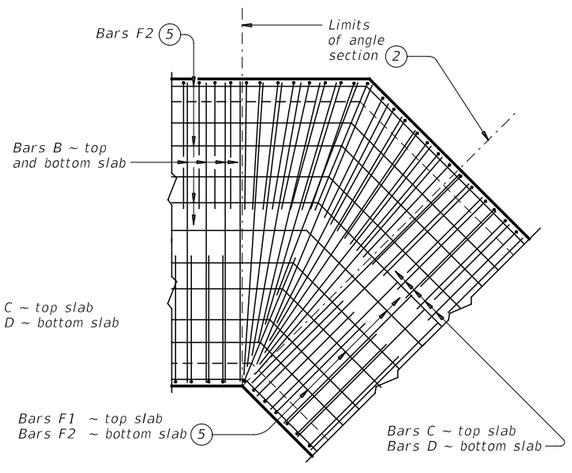
LENGTHENING DETAIL (1)



PLAN OF ANGLE SECTION ~ FROM 0° TO 15°



PLAN OF ANGLE SECTION ~ OVER 15° TO 30°



PLAN OF ANGLE SECTION ~ OVER 30° TO 45°

(1) For skewed box culverts with less than 2'-0" of fill, break back the top slab to provide a 1'-10" minimum lap of the existing longitudinal bars with the longitudinal bars in the extension.

For non-skewed box culverts with less than 2'-0" of fill and for skewed or non-skewed culverts with a fill depth of 2'-0" or greater, break back the top slab to provide a 1'-10" minimum lap of the existing longitudinal bars with the longitudinal bars in the extension. Alternatively, if the box is non-skewed, embed #6 anchor bars with a Type III, C, D , E, or F anchor adhesive into the existing walls, top and bottom slab at 1'-6" center-to-center spacing. Minimum embedment depth is 8". Anchor adhesive chosen must be able to achieve a basic bond strength in tension, Nba, of 26.4 kips. Submit signed and sealed calculations or the manufacturer's published literature showing the proposed anchor adhesive's ability to develop this load to the Engineer for approval prior to use. Anchor installation, including hole size, drilling, and clean out, must be in accordance with Item 450, "Railing." Test adhesive anchors in accordance with Item 450.3.3, "Tests." Test 3 anchors per 100 anchors installed.

Break back wings and apron as necessary to install the extension. Clean and extend the exposed wingwall and apron reinforcing into the extension. When lengthening existing box culverts with dimensions different than current standard dimensions, form horizontal and vertical transitions as directed by the Engineer. Match bottom slabs to maintain an uninterrupted flow line. Field bend existing and new reinforcing into transitions and maintain specified cover requirements. For top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface, adjust the "H" dimension to provide a smooth riding surface.

(2) When the spacing between Bars B becomes less than half of the normal spacing, cut bars to avoid conflict.

(3) The length of Bars B vary in the skewed end sections.

(4) [One half of overall width] x [tangent of the skew angle]

(5) Place Bars F1 and F2 continuously through the angle section. Bend Bars F1 and F2 to remain parallel to the walls of the box culvert.

(6) When necessary to avoid conflict in acute corners, shorten the slab extension leg of Bars C and Bars D to a minimum of 1'-6" for skews of 30° thru 45°.

(7) At the Contractor's option, for skews of 15° or less, place Bars B, C, and D parallel to the skewed end while maintaining spacing along centerline of box. Increase lengths of Bars B shown on the Single Box Culverts Cast-In-Place (SCC) standards sheets to accommodate the skew.

CONSTRUCTION NOTES:

Do not use permanent forms.
When required, lap Bars H 1'-8" for uncoated or galvanized bars.
Provide a minimum of 1 ½" clear cover.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel, if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) with these exceptions:
provide Class S concrete (f'c = 4,000 psi) for top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.

Refer to Single Box Culverts Cast-in-Place (SCC) standard sheets for details of straight sections of culvert.

For skewed sections and angle sections, refer to Single Box Culverts Cast-in-Place (SCC) standard sheets for slab and wall dimensions, bar sizes, maximum bar spacing, and any other details not shown.

For skewed ends with curbs, adjust length of Bars H, number of Bars K, curb concrete volume, and reinforcing steel weight by dividing the values shown on the culvert Single Box Culverts Cast-In-Place (SCC) standard sheets by the cosine of the skew angle.

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE MISCELLANEOUS DETAILS

SCC-MD

FILE: sccmdste-20.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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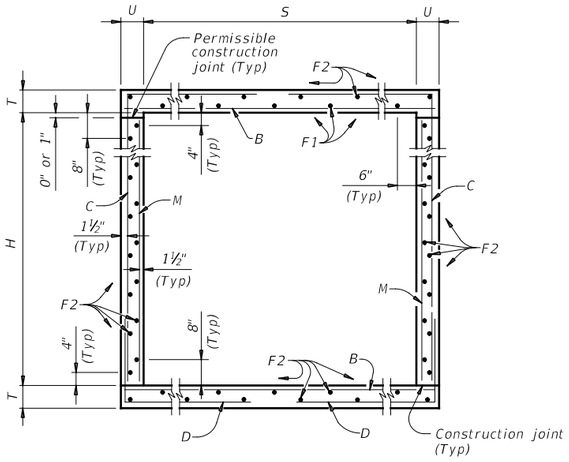
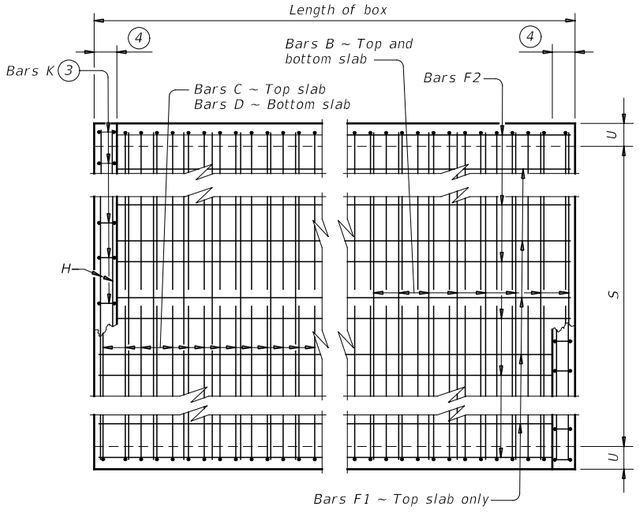
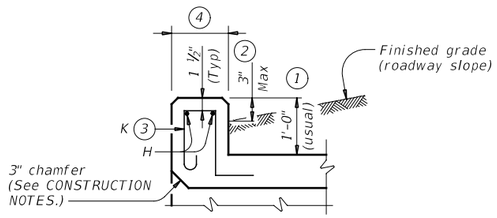


TYPICAL SECTION



PLAN OF REINF STEEL



SECTION THRU CURB

1. 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Rail Anchorage Curb (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

2. For vehicle safety, the following requirements must be met:
   - For structures without bridge rail, construct curbs no more than 3" above finished grade.
   - For structures with bridge rail, construct curbs flush with finished grade.

   Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

3. For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

4. 1'-0" typical. 2'-3" when the Rail Anchorage Curb (RAC) standard sheet is referred to elsewhere in the plans.

The Contractor may replace Bars B, C, D, E, F1, F2, M, Y, and/or Z with deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes. The lap length required for WWR is never less than the lap length required for uncoated #4 bars.

Example conversion: Replacing No. 6 Gr 60 at 6" Spacing with WWR.
Required WWR = (0.44 sq. in. per 0.5 ft.) x (60 ksi / 70 ksi) = 0.755 sq. in. per ft.
If D30.6 wire is used to meet the 0.755 sq. in. per ft. requirement in this example, the required spacing = (0.306 sq. in.) / (0.755 sq. in. per ft.) x (12 in. per ft.) = 4.86" Max spacing. Required lap length for the provided D30.6 wire is 2'-1" (the same minimum lap length required for uncoated #5 bars, as listed under MATERIAL NOTES).

CONSTRUCTION NOTES:

Do not use permanent forms.

Chamfer the bottom edge of the top slab 3" at the entrance.

Optionally, raise construction joints shown at the flow line by a maximum of 6". If this option is taken, Bars M may be cut off or raised, Bars C and D may be reversed.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.

Provide galvanized reinforcing steel if required elsewhere in the plans.

Provide Class C concrete (f'c = 3,600 psi) for culvert barrel and curb, with the following exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of:
- culverts with overlay,
- culverts with 1-to-2 course surface treatment, or
- culverts with the top slab as the final riding surface.

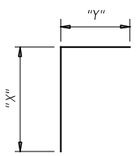
Provide bar laps, where required, as follows:
- Uncoated or galvanized ~ #4 = 1'-8" Min
- Uncoated or galvanized ~ #5 = 2'-1" Min

GENERAL NOTES:

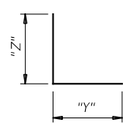
Designed according to AASHTO LRFD Bridge Design Specifications for the range of fill heights shown.

See the Single Box Culverts Cast-In-Place Miscellaneous Detail (SCC-MD) standard sheet for details pertaining to skewed ends, angle sections, and lengthening.

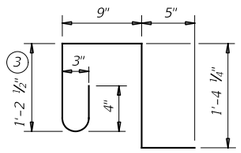
Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.



BARS C



BARS D



BARS K (#4)
(Spa = 1'-0" Max)
(Length = 4'-2")

HL93 LOADING SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-3 & 4

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SECTION DIMENSIONS				FILL HEIGHT (5)	BILLS OF REINFORCING STEEL (For Box Length = 40 feet)																												QUANTITIES					
					Bars B					Bars C							Bars D							Bars M ~ #4				Bars F1 ~ #4 at 18" Spa			Bars F2 ~ #4 at 18" Spa			Bars H 4 ~ #4		Bars K		Per Foot of Barrel		Curb		Total	
S	H	T	U		No.	Size	Spa	Length	Weight	No.	Size	Spa	Length	Weight	" X "	" Y "	No.	Size	Spa	Length	Weight	" Y "	" Z "	No.	Spa	Length	Weight	No.	Length	Wt	No.	Length	Weight	Length	Wt	No.	Wt	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)
3' – 0"	2' – 0"	8"	7"	30'	108	#5	9"	3' – 11"	441	108	#4	9"	5' – 4"	385	2' – 6"	2' – 10"	108	#4	9"	5' – 1"	367	2' – 10"	2' – 3"	108	9"	2' – 0"	144	3	39' – 9"	80	19	39' – 9"	505	3' – 11"	10	10	28	0.292	48.1	0.3	38	12.0	1,960
3' – 0"	3' – 0"	8"	7"	30'	108	#5	9"	3' – 11"	441	108	#4	9"	6' – 4"	457	3' – 6"	2' – 10"	108	#4	9"	5' – 1"	367	2' – 10"	2' – 3"	108	9"	3' – 0"	216	3	39' – 9"	80	23	39' – 9"	611	3' – 11"	10	10	28	0.335	54.3	0.3	38	13.7	2,210
4' – 0"	2' – 0"	8"	7"	30'	108	#5	9"	4' – 11"	554	162	#4	6"	5' – 8"	613	2' – 6"	3' – 2"	162	#4	6"	5' – 5"	586	3' – 2"	2' – 3"	108	9"	2' – 0"	144	3	39' – 9"	80	21	39' – 9"	558	4' – 11"	13	12	33	0.342	63.4	0.4	46	14.1	2,581
4' – 0"	3' – 0"	8"	7"	30'	108	#5	9"	4' – 11"	554	162	#4	6"	6' – 8"	721	3' – 6"	3' – 2"	162	#4	6"	5' – 5"	586	3' – 2"	2' – 3"	108	9"	3' – 0"	216	3	39' – 9"	80	25	39' – 9"	664	4' – 11"	13	12	33	0.385	70.5	0.4	46	15.8	2,867
4' – 0"	4' – 0"	8"	7"	30'	108	#5	9"	4' – 11"	554	162	#4	6"	7' – 8"	830	4' – 6"	3' – 2"	162	#4	6"	5' – 5"	586	3' – 2"	2' – 3"	108	9"	4' – 0"	289	3	39' – 9"	80	25	39' – 9"	664	4' – 11"	13	12	33	0.428	75.1	0.4	46	17.5	3,049

(5) For direct traffic culverts (fill height ≤ 2 ft.), identify the required box size and select the option with the minimum fill height.

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-3 & 4

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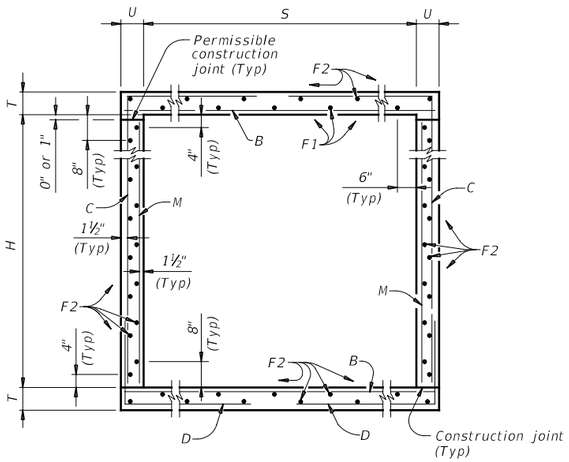
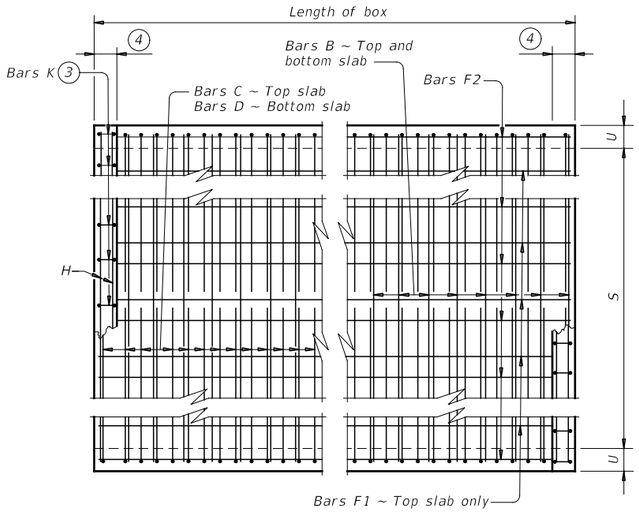
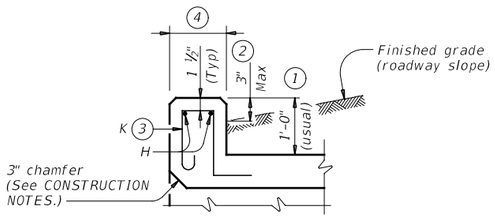


TYPICAL SECTION



PLAN OF REINF STEEL



SECTION THRU CURB

1 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Rail Anchorage Curb (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

2 For vehicle safety, the following requirements must be met:
- For structures without bridge rail, construct curbs no more than 3" above finished grade.
- For structures with bridge rail, construct curbs flush with finished grade.

Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

3 For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

4 1'-0" typical. 2'-3" when the Rail Anchorage Curb (RAC) standard sheet is referred to elsewhere in the plans.

The Contractor may replace Bars B, C, D, E, F1, F2, M, Y, and/or Z with deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes. The lap length required for WWR is never less than the lap length required for uncoated #4 bars.

Example conversion: Replacing No. 6 Gr 60 at 6" Spacing with WWR.
Required WWR = (0.44 sq. in. per 0.5 ft.) x (60 ksi / 70 ksi) = 0.755 sq. in. per ft.
If D30.6 wire is used to meet the 0.755 sq. in. per ft. requirement in this example, the required spacing = (0.306 sq. in.) / (0.755 sq. in. per ft.) x (12 in. per ft.) = 4.86" Max spacing. Required lap length for the provided D30.6 wire is 2'-1" (the same minimum lap length required for uncoated #5 bars, as listed under MATERIAL NOTES).

CONSTRUCTION NOTES:

Do not use permanent forms.
Chamfer the bottom edge of the top slab 3" at the entrance.
Optionally, raise construction joints shown at the flow line by a maximum of 6". If this option is taken, Bars M may be cut off or raised, Bars C and D may be reversed.

MATERIAL NOTES:

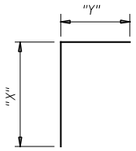
Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) for culvert barrel and curb, with the following exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of:
- culverts with overlay,
- culverts with 1-to-2 course surface treatment, or
- culverts with the top slab as the final riding surface.

Provide bar laps, where required, as follows:
- Uncoated or galvanized ~ #4 = 1'-8" Min
- Uncoated or galvanized ~ #5 = 2'-1" Min
- Uncoated or galvanized ~ #6 = 2'-6" Min

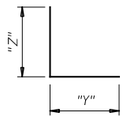
GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications for the range of fill heights shown.
See the Single Box Culverts Cast-In-Place Miscellaneous Detail (SCC-MD) standard sheet for details pertaining to skewed ends, angle sections, and lengthening.

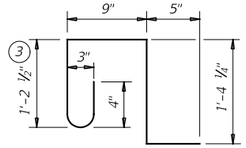
Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.



BARS C



BARS D



BARS K (#4)
(Spa = 1'-0" Max)
(Length = 4'-2")

HL93 LOADING SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-5 & 6

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SECTION DIMENSIONS				FILL HEIGHT (5)	BILLS OF REINFORCING STEEL (For Box Length = 40 feet)																										QUANTITIES					
					Bars B					Bars C							Bars D							Bars M ~ #4				Bars F1 ~ #4 at 18" Spa			Bars F2 ~ #4 at 18" Spa			Bars H 4 ~ #4		Bars K		Per Foot of Barrel		Curb		Total	
S	H	T	U		No.	Size	Spa	Length	Weight	No.	Size	Spa	Length	Weight	" X "	" Y "	No.	Size	Spa	Length	Weight	" Y "	" Z "	No.	Spa	Length	Weight	No.	Length	Wt	No.	Length	Weight	Length	Wt	No.	Wt	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)
5' – 0"	2' – 0"	8"	7"	26'	108	#6	9"	5' – 11"	960	108	#5	9"	6' – 3"	704	2' – 6"	3' – 9"	108	#5	9"	6' – 5"	723	3' – 9"	2' – 8"	108	9"	2' – 0"	144	4	39' – 9"	106	22	39' – 9"	584	5' – 11"	16	14	39	0.391	80.5	0.5	55	16.1	3,276
5' – 0"	2' – 0"	9"	7"	30'	108	#6	9"	5' – 11"	960	108	#5	9"	6' – 4"	713	2' – 7"	3' – 9"	108	#5	9"	6' – 6"	732	3' – 9"	2' – 9"	108	9"	2' – 0"	144	4	39' – 9"	106	22	39' – 9"	584	5' – 11"	16	14	39	0.429	81.0	0.5	55	17.6	3,294
5' – 0"	3' – 0"	8"	7"	26'	108	#6	9"	5' – 11"	960	108	#5	9"	7' – 3"	817	3' – 6"	3' – 9"	108	#5	9"	6' – 5"	723	3' – 9"	2' – 8"	108	9"	3' – 0"	216	4	39' – 9"	106	26	39' – 9"	690	5' – 11"	16	14	39	0.434	87.8	0.5	55	17.8	3,567
5' – 0"	3' – 0"	9"	7"	30'	108	#6	9"	5' – 11"	960	108	#5	9"	7' – 4"	826	3' – 7"	3' – 9"	108	#5	9"	6' – 6"	732	3' – 9"	2' – 9"	108	9"	3' – 0"	216	4	39' – 9"	106	26	39' – 9"	690	5' – 11"	16	14	39	0.472	88.3	0.5	55	19.3	3,585
5' – 0"	4' – 0"	8"	7"	26'	108	#6	9"	5' – 11"	960	108	#5	9"	8' – 3"	929	4' – 6"	3' – 9"	108	#5	9"	6' – 5"	723	3' – 9"	2' – 8"	108	9"	4' – 0"	289	4	39' – 9"	106	26	39' – 9"	690	5' – 11"	16	14	39	0.477	92.4	0.5	55	19.5	3,752
5' – 0"	4' – 0"	9"	7"	30'	108	#6	9"	5' – 11"	960	108	#5	9"	8' – 4"	939	4' – 7"	3' – 9"	108	#5	9"	6' – 6"	732	3' – 9"	2' – 9"	108	9"	4' – 0"	289	4	39' – 9"	106	26	39' – 9"	690	5' – 11"	16	14	39	0.515	92.9	0.5	55	21.1	3,771
5' – 0"	5' – 0"	8"	7"	26'	108	#6	9"	5' – 11"	960	108	#5	9"	9' – 3"	1,042	5' – 6"	3' – 9"	108	#5	9"	6' – 5"	723	3' – 9"	2' – 8"	108	9"	5' – 0"	361	4	39' – 9"	106	30	39' – 9"	797	5' – 11"	16	14	39	0.521	99.7	0.5	55	21.3	4,044
5' – 0"	5' – 0"	9"	7"	30'	108	#6	9"	5' – 11"	960	108	#5	9"	9' – 4"	1,051	5' – 7"	3' – 9"	108	#5	9"	6' – 6"	732	3' – 9"	2' – 9"	108	9"	5' – 0"	361	4	39' – 9"	106	30	39' – 9"	797	5' – 11"	16	14	39	0.559	100.2	0.5	55	22.8	4,062
6' – 0"	2' – 0"	8"	7"	20'	108	#6	9"	6' – 11"	1,122	108	#5	9"	6' – 7"	742	2' – 6"	4' – 1"	108	#5	9"	6' – 9"	760	4' – 1"	2' – 8"	108	9"	2' – 0"	144	5	39' – 9"	133	25	39' – 9"	664	6' – 11"	18	16	45	0.440	89.1	0.5	63	18.1	3,628
6' – 0"	2' – 0"	9"	7"	26'	108	#6	9"	6' – 11"	1,122	162	#5	6"	6' – 8"	1,126	2' – 7"	4' – 1"	162	#5	6"	6' – 10"	1,155	4' – 1"	2' – 9"	108	9"	2' – 0"	144	5	39' – 9"	133	25	39' – 9"	664	6' – 11"	18	16	45	0.485	108.6	0.5	63	19.9	4,407
6' – 0"	2' – 0"	10"	8"	30'	108	#6	9"	7' – 1"	1,149	162	#5	6"	6' – 10"	1,155	2' – 8"	4' – 2"	162	#5	6"	7' – 0"	1,183	4' – 2"	2' – 10"	82	12"	2' – 0"	110	5	39' – 9"	133	25	39' – 9"	664	7' – 1"	19	18	50	0.551	109.9	0.5	69	22.6	4,463
6' – 0"	3' – 0"	8"	7"	20'	108	#6	9"	6' – 11"	1,122	108	#5	9"	7' – 7"	854	3' – 6"	4' – 1"	108	#5	9"	6' – 9"	760	4' – 1"	2' – 8"	108	9"	3' – 0"	216	5	39' – 9"	133	29	39' – 9"	770	6' – 11"	18	16	45	0.484	96.4	0.5	63	19.9	3,918
6' – 0"	3' – 0"	9"	7"	26'	108	#6	9"	6' – 11"	1,122	162	#5	6"	7' – 8"	1,295	3' – 7"	4' – 1"	162	#5	6"	6' – 10"	1,155	4' – 1"	2' – 9"	108	9"	3' – 0"	216	5	39' – 9"	133	29	39' – 9"	770	6' – 11"	18	16	45	0.528	117.3	0.5	63	21.6	4,754
6' – 0"	3' – 0"	10"	8"	30'	108	#6	9"	7' – 1"	1,149	162	#5	6"	7' – 10"	1,324	3' – 8"	4' – 2"	162	#5	6"	7' – 0"	1,183	4' – 2"	2' – 10"	82	12"	3' – 0"	164	5	39' – 9"	133	29	39' – 9"	770	7' – 1"	19	18	50	0.601	118.1	0.5	69	24.6	4,792
6' – 0"	4' – 0"	8"	7"	20'	108	#6	9"	6' – 11"	1,122	108	#5	9"	8' – 7"	967	4' – 6"	4' – 1"	108	#5	9"	6' – 9"	760	4' – 1"	2' – 8"	108	9"	4' – 0"	289	5	39' – 9"	133	29	39' – 9"	770	6' – 11"	18	16	45	0.527	101.0	0.5	63	21.6	4,104
6' – 0"	4' – 0"	9"	7"	26'	108	#6	9"	6' – 11"	1,122	162	#5	6"	8' – 8"	1,464	4' – 7"	4' – 1"	162	#5	6"	6' – 10"	1,155	4' – 1"	2' – 9"	108	9"	4' – 0"	289	5	39' – 9"	133	29	39' – 9"	770	6' – 11"	18	16	45	0.571	123.3	0.5	63	23.4	4,996
6' – 0"	4' – 0"	10"	8"	30'	108	#6	9"	7' – 1"	1,149	162	#5	6"	8' – 10"	1,493	4' – 8"	4' – 2"	162	#5	6"	7' – 0"	1,183	4' – 2"	2' – 10"	82	12"	4' – 0"	219	5	39' – 9"	133	29	39' – 9"	770	7' – 1"	19	18	50	0.650	123.7	0.5	69	26.5	5,016
6' – 0"	5' – 0"	8"	7"	20'	108	#6	9"	6' – 11"	1,122	108	#5	9"	9' – 7"	1,080	5' – 6"	4' – 1"	108	#5	9"	6' – 9"	760	4' – 1"	2' – 8"	108	9"	5' – 0"	361	5	39' – 9"	133	33	39' – 9"	876	6' – 11"	18	16	45	0.570	108.3	0.5	63	23.3	4,395
6' – 0"	5' – 0"	9"	7"	26'	108	#6	9"	6' – 11"	1,122	162	#5	6"	9' – 8"	1,633	5' – 7"	4' – 1"	162	#5	6"	6' – 10"	1,155	4' – 1"	2' – 9"	108	9"	5' – 0"	361	5	39' – 9"	133	33	39' – 9"	876	6' – 11"	18	16	45	0.614	132.0	0.5	63	25.1	5,343
6' – 0"	5' – 0"	10"	8"	30'	108	#6	9"	7' – 1"	1,149	162	#5	6"	9' – 10"	1,661	5' – 8"	4' – 2"	162	#5	6"	7' – 0"	1,183	4' – 2"	2' – 10"	82	12"	5' – 0"	274	5	39' – 9"	133	33	39' – 9"	876	7' – 1"	19	18	50	0.700	131.9	0.5	69	28.5	5,345
6' – 0"	6' – 0"	8"	7"	20'	108	#6	9"	6' – 11"	1,122	108	#5	9"	10' – 7"	1,192	6' – 6"	4' – 1"	108	#5	9"	6' – 9"	760	4' – 1"	2' – 8"	108	9"	6' – 0"	433	5	39' – 9"	133	37	39' – 9"	982	6' – 11"	18	16	45	0.613	115.6	0.5	63	25.0	4,685
6' – 0"	6' – 0"	9"	7"	26'	108	#6	9"	6' – 11"	1,122	162	#5	6"	10' – 8"	1,802	6' – 7"	4' – 1"	162	#5	6"	6' – 10"	1,155	4' – 1"	2' – 9"	108	9"	6' – 0"	433	5	39' – 9"	133	37	39' – 9"	982	6' – 11"	18	16	45	0.657	140.7	0.5	63	26.8	5,690
6' – 0"	6' – 0"	10"	8"	30'	108	#6	9"	7' – 1"	1,149	162	#5	6"	10' – 10"	1,830	6' – 8"	4' – 2"	162	#5	6"	7' – 0"	1,183	4' – 2"	2' – 10"	82	12"	6' – 0"	329	5	39' – 9"	133	37	39' – 9"	982	7' – 1"	19	18	50	0.749	140.2	0.5	69	30.5	5,675

(5) For direct traffic culverts (fill height ≤ 2 ft.), identify the required box size and select the option with the minimum fill height.

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DATE:
FILE:

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE
0' TO 30' FILL

SCC-5 & 6

FILE: scc56ste-21.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
04/2021 Updated X values.	DIST	COUNTY		SHEET NO.
				251

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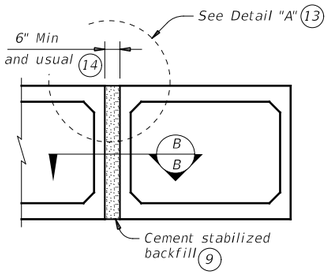
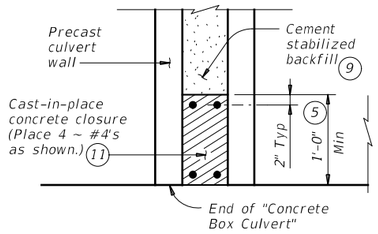
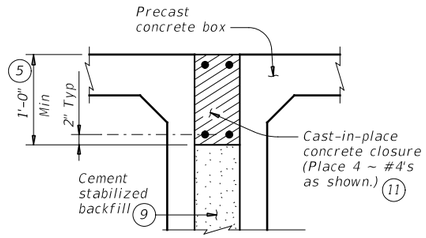
DATE:
FILE:



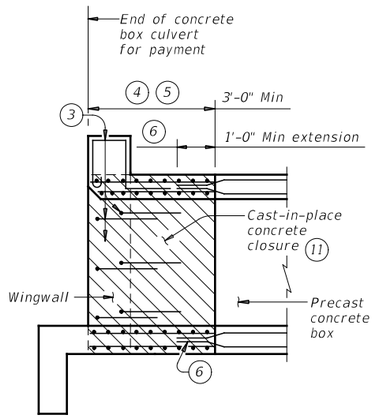
MULTIPLE UNIT PLACEMENT



SECTION B-B

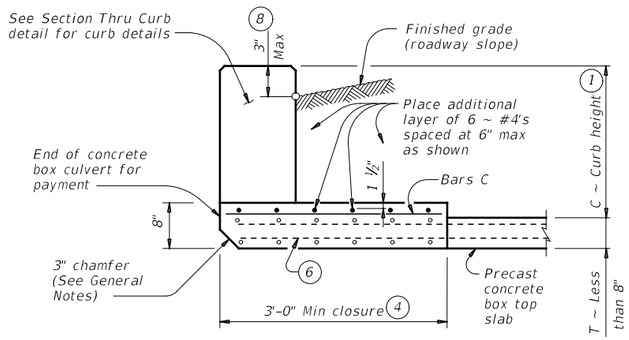


DETAIL "A" (13)

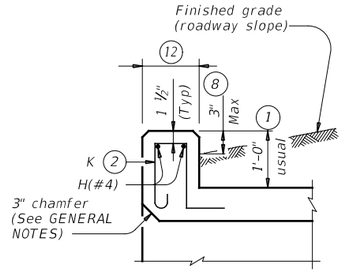


WINGWALL CONNECTION

(Also applies to safety end treatment.)

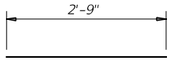


SECTION THRU TOP SLABS LESS THAN 8"

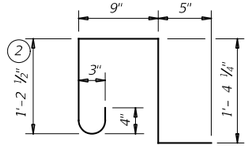


SECTION THRU CURB

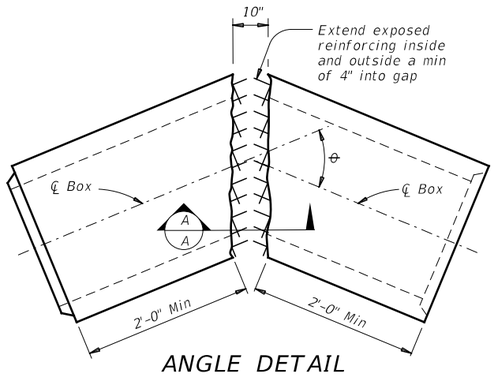
QUANTITIES PER FOOT OF CURB (10)	
Reinforcing Steel	4.12 Lb
Concrete	0.037 CY



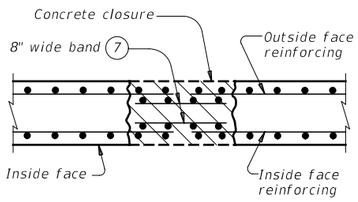
BARS C (#4)
(Spa = 1'-0" Max)



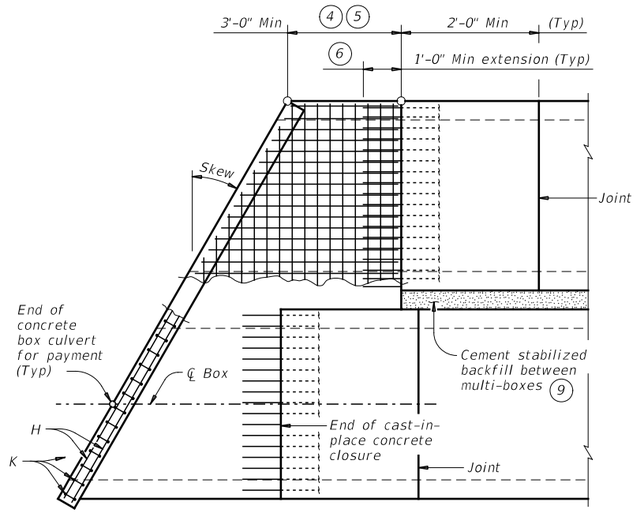
BARS K (#4)
(Spa = 1'-0" Max)
(Length = 4'-2")



ANGLE DETAIL



SECTION A-A



PLAN OF SKEWED ENDS

(Showing multi-box placement.)

(1) 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail, or curbs taller than 1'-0, refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Box Culvert Rail Mounting Details (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

(2) For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

(3) Extend curb, wingwall, or safety end treatment reinforcing into concrete closure. Bend or trim, as necessary, any reinforcing that does not fit into closure area.

(4) Provide a 3'-0" Min cast-in-place concrete closure. Break back boxes in the field or cast boxes short. Provide bands of reinforcing in the closure that are the same size and spacing as in the precast box section. Provide #4 longitudinal reinforcement spaced at 12 inches Max within the closure. Except where shown otherwise, construct the cast-in-place closure flush with the inside and outside faces of the precast box section.

(5) For multiple unit placements, adjust the length of the closure for the interior walls as necessary. Provide a 3'-0" Min cast-in-place closure in the top slab, bottom slab, and exterior wall. See Section B-B detail when interior walls are cast full length.

(6) Extend precast box reinforcing a minimum of 1'-0" into concrete closure (Typ).

(7) Place bands of reinforcing matching the inside and outside face reinforcing in the gaps of the top and bottom slabs. Place a band matching the outside face reinforcing of the wall in the gaps of the walls (placed in the outside face only). Tack weld the bands to the exposed reinforcing at each point of contact.

(8) For vehicle safety, the following requirements must be met:
- For structures without bridge rail, construct curbs no more than 3" above finished grade.
- For structures with bridge rail, construct curbs flush with finished grade.

Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

(9) Cement stabilized backfill between boxes is considered part of the box culvert for payment.

(10) All curb concrete and reinforcing is considered part of the box culvert for payment.

(11) Any additional concrete and reinforcing required for the closures will be considered subsidiary to the box culvert for payment.

(12) 1'-0" typical. 2'-3" when the Box Culvert Rail Mounting Details (RAC) standard sheet is referred to elsewhere in the plans.

(13) For multiple unit placement with overlay, with 1 to 2 course surface treatment, or with the top slab as the final riding surface, provide wall closure as shown in Detail "A".

(14) This dimension may be increased with approval of the Engineer to allow the precast boxes to be tunneled or jacked in accordance with Item 476, "Jacking, Boring, or Tunneling Pipe or Box". No payment will be made for any additional material in the gap between adjacent boxes.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide ASTM A1064 welded wire reinforcement.
Provide Class C concrete (f'c = 3,600 psi) for the closures.
Provide cement stabilized backfill meeting the requirements of Item 400, "Excavation and Backfill for Structures."
Any additional concrete required for the closures will be considered subsidiary to the box culvert.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
Refer to the Single Box Culverts Precast (SCP) standard sheets for details and notes not shown.
Chamfer the bottom edge of the top slab closure 3 inches at culvert closure ends.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bars dimensions are out-to-out of bars.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

BOX CULVERTS PRECAST MISCELLANEOUS DETAILS

SCP-MD

FILE: scpmdsts-20.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				252

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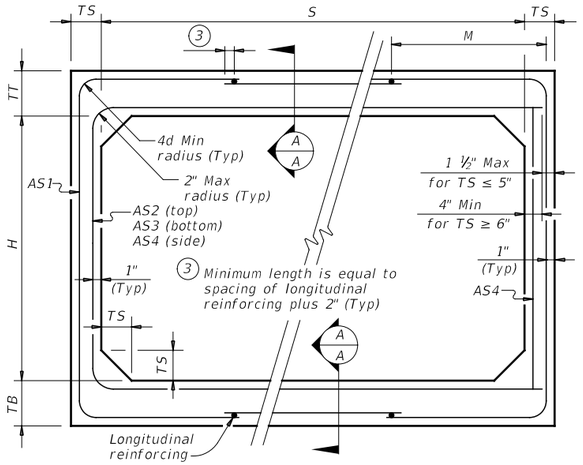
BOX DATA

SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (sq. in. / ft.) (2)							(1) Lift Weight
S (ft.)	H (ft.)	TT (in.)	TB (in.)	TS (in.)	(ft.)	(in.)	AS1	AS2	AS3	AS4	AS5	AS7	AS8	(tons)
3	2	7	6	4	< 2	–	0.17	0.25	0.16	0.10	0.17	0.17	0.14	3.3
3	2	4	4	4	2 < 3	31	0.13	0.19	0.18	0.10	–	–	–	2.4
3	2	4	4	4	3 – 5	31	0.10	0.11	0.12	0.10	–	–	–	2.4
3	2	4	4	4	10	31	0.10	0.10	0.10	0.10	–	–	–	2.4
3	2	4	4	4	15	31	0.10	0.13	0.13	0.10	–	–	–	2.4
3	2	4	4	4	20	31	0.11	0.17	0.17	0.10	–	–	–	2.4
3	2	4	4	4	25	31	0.14	0.21	0.21	0.10	–	–	–	2.4
3	2	4	4	4	30	31	0.17	0.25	0.25	0.10	–	–	–	2.4
3	2	4	4	4	35	31	0.20	0.29	0.30	0.10	–	–	–	2.4
3	3	7	6	4	< 2	–	0.17	0.27	0.17	0.10	0.17	0.17	0.14	3.7
3	3	4	4	4	2 < 3	31	0.10	0.22	0.21	0.10	–	–	–	2.8
3	3	4	4	4	3 – 5	31	0.10	0.14	0.14	0.10	–	–	–	2.8
3	3	4	4	4	10	31	0.10	0.11	0.11	0.10	–	–	–	2.8
3	3	4	4	4	15	31	0.10	0.14	0.15	0.10	–	–	–	2.8
3	3	4	4	4	20	31	0.10	0.18	0.19	0.10	–	–	–	2.8
3	3	4	4	4	25	31	0.10	0.23	0.23	0.10	–	–	–	2.8
3	3	4	4	4	30	31	0.12	0.27	0.28	0.10	–	–	–	2.8
3	3	4	4	4	35	31	0.14	0.32	0.32	0.10	–	–	–	2.8

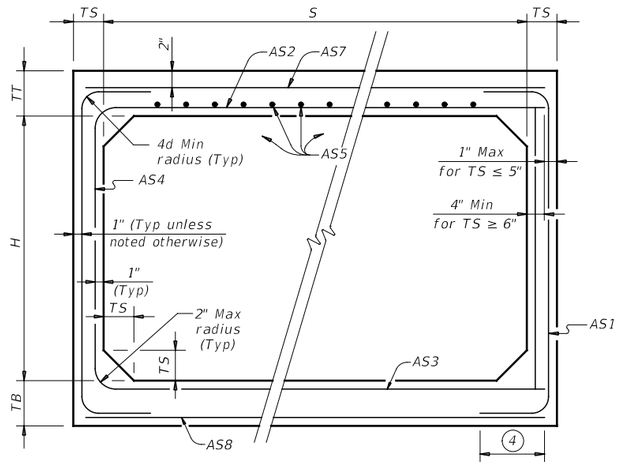
(1) For box length = 8'-0"

(2) AS1 thru AS4, AS7 and AS8 are minimum required areas of reinforcement per linear foot of box length. AS5 is minimum required area of reinforcement per linear foot of box width.



CORNER OPTION "A" CORNER OPTION "B"

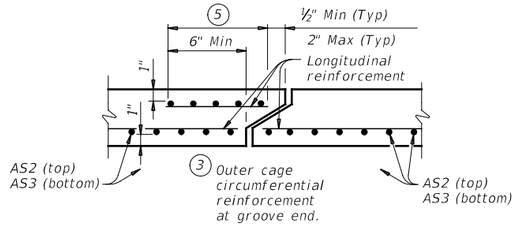
FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT

(4) Length is equal to spacing of longitudinal reinforcing plus 2". (10" Min) (Typ)



SECTION A-A

(Showing top and bottom slab joint reinforcement.)

MATERIAL NOTES:

Provide 0.03 sq. in./ft. minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.

Provide Class H concrete (f`c = 5,000 psi).

GENERAL NOTES:

Designs shown conform to ASTM C1577. Refer to ASTM C1577 for information or details not shown.

See Box Culverts Precast Miscellaneous Details (SCP-MD) standard sheet for details and notes not shown.

In lieu of furnishing the designs shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Submit shop plans for alternate designs in accordance with Item "Precast Concrete Structural Members (Fabrication)".

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

3'-0" SPAN

SCP-3

FILE: scp03sts-20.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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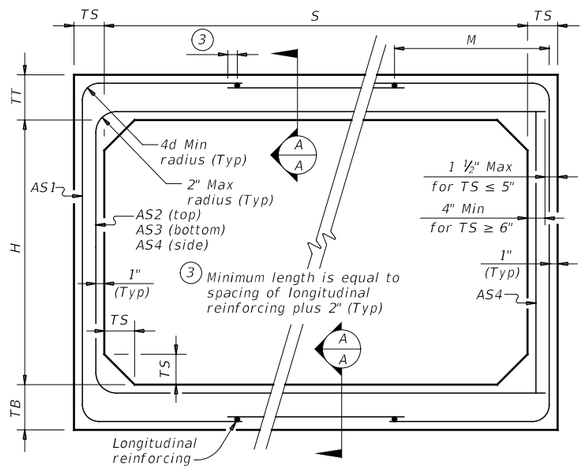
BOX DATA

SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (sq. in. / ft.) (2)							(1) Lift Weight
S (ft.)	H (ft.)	TT (in.)	TB (in.)	TS (in.)	(ft.)	(in.)	AS1	AS2	AS3	AS4	AS5	AS7	AS8	(tons)
4	2	7.5	6	5	< 2	–	0.18	0.27	0.15	0.12	0.18	0.18	0.14	4.5
4	2	5	5	5	2 < 3	38	0.18	0.19	0.17	0.12	–	–	–	3.6
4	2	5	5	5	3 – 5	38	0.13	0.13	0.13	0.12	–	–	–	3.6
4	2	5	5	5	10	38	0.12	0.12	0.12	0.12	–	–	–	3.6
4	2	5	5	5	15	38	0.14	0.16	0.16	0.12	–	–	–	3.6
4	2	5	5	5	20	38	0.18	0.20	0.21	0.12	–	–	–	3.6
4	2	5	5	5	25	38	0.23	0.25	0.25	0.12	–	–	–	3.6
4	2	5	5	5	30	38	0.28	0.30	0.30	0.12	–	–	–	3.6
4	3	7.5	6	5	< 2	–	0.18	0.31	0.18	0.12	0.18	0.18	0.14	5.0
4	3	5	5	5	2 < 3	38	0.15	0.23	0.20	0.12	–	–	–	4.1
4	3	5	5	5	3 – 5	38	0.12	0.16	0.16	0.12	–	–	–	4.1
4	3	5	5	5	10	38	0.12	0.14	0.14	0.12	–	–	–	4.1
4	3	5	5	5	15	38	0.12	0.18	0.18	0.12	–	–	–	4.1
4	3	5	5	5	20	38	0.14	0.23	0.24	0.12	–	–	–	4.1
4	3	5	5	5	25	38	0.17	0.29	0.29	0.12	–	–	–	4.1
4	3	5	5	5	30	38	0.21	0.35	0.35	0.12	–	–	–	4.1
4	4	7.5	6	5	< 2	–	0.18	0.33	0.20	0.12	0.18	0.18	0.14	5.5
4	4	5	5	5	2 < 3	38	0.12	0.26	0.23	0.12	–	–	–	4.6
4	4	5	5	5	3 – 5	38	0.12	0.18	0.18	0.12	–	–	–	4.6
4	4	5	5	5	10	38	0.12	0.15	0.15	0.12	–	–	–	4.6
4	4	5	5	5	15	38	0.12	0.19	0.20	0.12	–	–	–	4.6
4	4	5	5	5	20	38	0.12	0.25	0.25	0.12	–	–	–	4.6
4	4	5	5	5	25	38	0.14	0.31	0.31	0.12	–	–	–	4.6
4	4	5	5	5	30	38	0.17	0.37	0.37	0.12	–	–	–	4.6

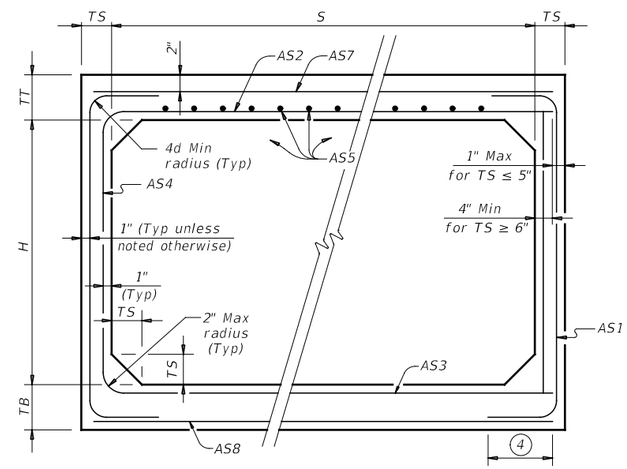
(1) For box length = 8'-0"

(2) AS1 thru AS4, AS7 and AS8 are minimum required areas of reinforcement per linear foot of box length. AS5 is minimum required area of reinforcement per linear foot of box width.



CORNER OPTION "A" CORNER OPTION "B"

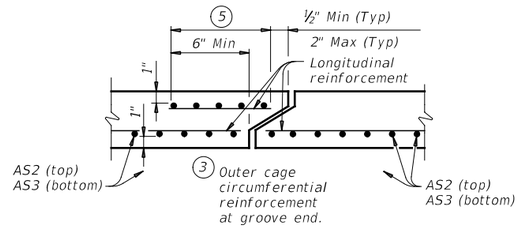
FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT

(4) Length is equal to spacing of longitudinal reinforcing plus 2". (10" Min) (Typ)



SECTION A-A

(Showing top and bottom slab joint reinforcement.)

MATERIAL NOTES:

Provide 0.03 sq. in./ft. minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.

Provide Class H concrete (f`c = 5,000 psi).

GENERAL NOTES:

Designs shown conform to ASTM C1577. Refer to ASTM C1577 for information or details not shown.

See Box Culverts Precast Miscellaneous Details (SCP-MD) standard sheet for details and notes not shown.

In lieu of furnishing the designs shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Submit shop plans for alternate designs in accordance with Item "Precast Concrete Structural Members (Fabrication)".

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

4'-0" SPAN

SCP-4

FILE: scp04sts-20.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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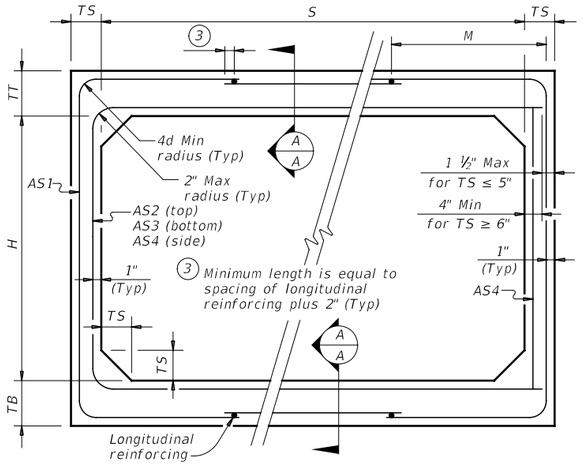
BOX DATA

SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (sq. in. / ft.) (2)							(1) Lift Weight
S (ft.)	H (ft.)	TT (in.)	TB (in.)	TS (in.)	(ft.)	(in.)	AS1	AS2	AS3	AS4	AS5	AS7	AS8	(tons)
5	2	8	7	6	< 2	–	0.19	0.27	0.18	0.14	0.19	0.19	0.17	6.0
5	2	6	6	6	2 < 3	44	0.22	0.20	0.16	0.14	–	–	–	5.1
5	2	6	6	6	3 – 5	44	0.16	0.14	0.14	0.14	–	–	–	5.1
5	2	6	6	6	10	36	0.15	0.14	0.14	0.14	–	–	–	5.1
5	2	6	6	6	15	36	0.20	0.18	0.18	0.14	–	–	–	5.1
5	2	6	6	6	20	36	0.26	0.23	0.24	0.14	–	–	–	5.1
5	2	6	6	6	25	36	0.33	0.29	0.29	0.14	–	–	–	5.1
5	2	6	6	6	30	36	0.39	0.34	0.35	0.14	–	–	–	5.1
5	3	8	7	6	< 2	–	0.19	0.31	0.21	0.14	0.19	0.19	0.17	6.6
5	3	6	6	6	2 < 3	45	0.18	0.24	0.19	0.14	–	–	–	5.7
5	3	6	6	6	3 – 5	36	0.14	0.17	0.16	0.14	–	–	–	5.7
5	3	6	6	6	10	36	0.14	0.16	0.17	0.14	–	–	–	5.7
5	3	6	6	6	15	35	0.16	0.21	0.22	0.14	–	–	–	5.7
5	3	6	6	6	20	35	0.21	0.27	0.28	0.14	–	–	–	5.7
5	3	6	6	6	25	35	0.26	0.34	0.34	0.14	–	–	–	5.7
5	3	6	6	6	30	35	0.31	0.41	0.41	0.14	–	–	–	5.7
5	4	8	7	6	< 2	–	0.19	0.33	0.24	0.14	0.19	0.19	0.17	7.2
5	4	6	6	6	2 < 3	45	0.16	0.27	0.22	0.14	–	–	–	6.3
5	4	6	6	6	3 – 5	45	0.14	0.19	0.18	0.14	–	–	–	6.3
5	4	6	6	6	10	36	0.14	0.18	0.18	0.14	–	–	–	6.3
5	4	6	6	6	15	35	0.14	0.23	0.24	0.14	–	–	–	6.3
5	4	6	6	6	20	35	0.17	0.30	0.31	0.14	–	–	–	6.3
5	4	6	6	6	25	35	0.21	0.37	0.38	0.14	–	–	–	6.3
5	4	6	6	6	30	35	0.25	0.44	0.45	0.14	–	–	–	6.3
5	5	8	7	6	< 2	–	0.19	0.35	0.26	0.14	0.19	0.19	0.17	7.8
5	5	6	6	6	2 < 3	45	0.14	0.29	0.24	0.14	–	–	–	6.9
5	5	6	6	6	3 – 5	45	0.14	0.21	0.20	0.14	–	–	–	6.9
5	5	6	6	6	10	45	0.14	0.19	0.20	0.14	–	–	–	6.9
5	5	6	6	6	15	36	0.14	0.24	0.25	0.14	–	–	–	6.9
5	5	6	6	6	20	35	0.15	0.31	0.32	0.14	–	–	–	6.9
5	5	6	6	6	25	35	0.18	0.38	0.39	0.14	–	–	–	6.9
5	5	6	6	6	30	35	0.21	0.46	0.47	0.14	–	–	–	6.9

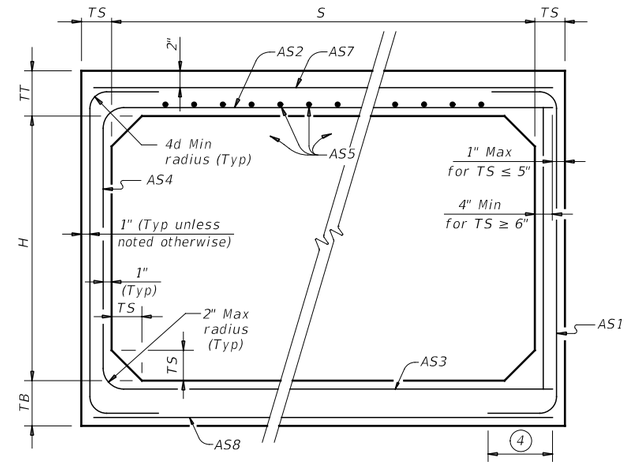
(1) For box length = 8'-0"

(2) AS1 thru AS4, AS7 and AS8 are minimum required areas of reinforcement per linear foot of box length. AS5 is minimum required area of reinforcement per linear foot of box width.



CORNER OPTION "A" CORNER OPTION "B"

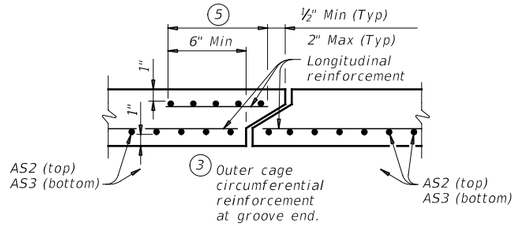
FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT

(4) Length is equal to spacing of longitudinal reinforcing plus 2". (10" Min) (Typ)



SECTION A-A

(Showing top and bottom slab joint reinforcement.)

MATERIAL NOTES:

Provide 0.03 sq. in./ft. minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.

Provide Class H concrete (f`c = 5,000 psi).

GENERAL NOTES:

Designs shown conform to ASTM C1577. Refer to ASTM C1577 for information or details not shown.

See Box Culverts Precast Miscellaneous Details (SCP-MD) standard sheet for details and notes not shown.

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HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

5'-0" SPAN

SCP-5

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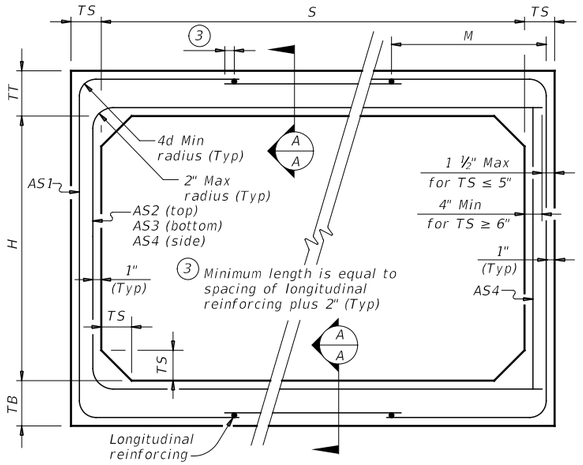
BOX DATA

SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (sq. in. / ft.) (2)							(1) Lift Weight
S (ft.)	H (ft.)	TT (in.)	TB (in.)	TS (in.)	(ft.)	(in.)	AS1	AS2	AS3	AS4	AS5	AS7	AS8	(tons)
7	3	8	8	8	< 2	–	0.23	0.31	0.22	0.19	0.19	0.19	0.19	9.6
7	3	8	8	8	2 < 3	47	0.27	0.25	0.24	0.19	–	–	–	9.6
7	3	8	8	8	3 – 5	43	0.19	0.19	0.19	0.19	–	–	–	9.6
7	3	8	8	8	10	43	0.21	0.20	0.21	0.19	–	–	–	9.6
7	3	8	8	8	15	43	0.28	0.26	0.27	0.19	–	–	–	9.6
7	3	8	8	8	20	43	0.36	0.34	0.35	0.19	–	–	–	9.6
7	3	8	8	8	25	43	0.45	0.42	0.43	0.19	–	–	–	9.6
7	3	8	8	8	30	43	0.54	0.50	0.51	0.19	–	–	–	9.6
7	4	8	8	8	< 2	–	0.21	0.34	0.25	0.19	0.19	0.19	0.19	10.4
7	4	8	8	8	2 < 3	43	0.23	0.28	0.28	0.19	–	–	–	10.4
7	4	8	8	8	3 – 5	43	0.19	0.22	0.19	0.19	–	–	–	10.4
7	4	8	8	8	10	43	0.19	0.23	0.23	0.19	–	–	–	10.4
7	4	8	8	8	15	41	0.24	0.30	0.30	0.19	–	–	–	10.4
7	4	8	8	8	20	41	0.31	0.38	0.39	0.19	–	–	–	10.4
7	4	8	8	8	25	41	0.38	0.47	0.48	0.19	–	–	–	10.4
7	4	8	8	8	30	41	0.46	0.57	0.57	0.19	–	–	–	10.4
7	5	8	8	8	< 2	–	0.19	0.36	0.27	0.19	0.19	0.19	0.19	11.2
7	5	8	8	8	2 < 3	47	0.21	0.31	0.31	0.19	–	–	–	11.2
7	5	8	8	8	3 – 5	43	0.19	0.24	0.21	0.19	–	–	–	11.2
7	5	8	8	8	10	43	0.19	0.25	0.26	0.19	–	–	–	11.2
7	5	8	8	8	15	41	0.21	0.32	0.33	0.19	–	–	–	11.2
7	5	8	8	8	20	41	0.27	0.41	0.42	0.19	–	–	–	11.2
7	5	8	8	8	25	41	0.33	0.51	0.52	0.19	–	–	–	11.2
7	5	8	8	8	30	41	0.40	0.61	0.62	0.19	–	–	–	11.2
7	6	8	8	8	< 2	–	0.19	0.38	0.30	0.19	0.19	0.19	0.19	12.0
7	6	8	8	8	2 < 3	59	0.19	0.33	0.34	0.19	–	–	–	12.0
7	6	8	8	8	3 – 5	47	0.19	0.25	0.23	0.19	–	–	–	12.0
7	6	8	8	8	10	43	0.19	0.26	0.27	0.19	–	–	–	12.0
7	6	8	8	8	15	41	0.19	0.34	0.35	0.19	–	–	–	12.0
7	6	8	8	8	20	41	0.24	0.43	0.45	0.19	–	–	–	12.0
7	6	8	8	8	25	41	0.29	0.53	0.55	0.19	–	–	–	12.0
7	6	8	8	8	30	41	0.35	0.64	0.65	0.19	–	–	–	12.0
7	7	8	8	8	< 2	–	0.19	0.40	0.33	0.19	0.19	0.19	0.19	12.8
7	7	8	8	8	2 < 3	59	0.19	0.36	0.37	0.19	–	–	–	12.8
7	7	8	8	8	3 – 5	59	0.19	0.27	0.25	0.19	–	–	–	12.8
7	7	8	8	8	10	47	0.19	0.27	0.29	0.19	–	–	–	12.8
7	7	8	8	8	15	43	0.19	0.35	0.37	0.19	–	–	–	12.8
7	7	8	8	8	20	43	0.22	0.44	0.46	0.19	–	–	–	12.8
7	7	8	8	8	25	43	0.27	0.54	0.57	0.19	–	–	–	12.8
7	7	8	8	8	30	41	0.32	0.65	0.67	0.19	–	–	–	12.8

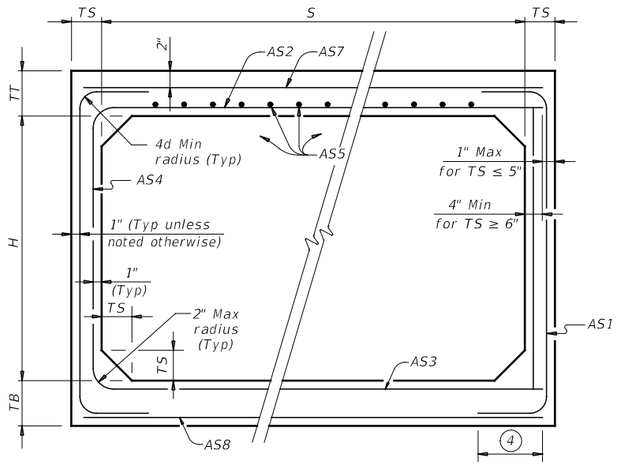
(1) For box length = 8'-0"

(2) AS1 thru AS4, AS7 and AS8 are minimum required areas of reinforcement per linear foot of box length. AS5 is minimum required area of reinforcement per linear foot of box width.



CORNER OPTION "A" CORNER OPTION "B"

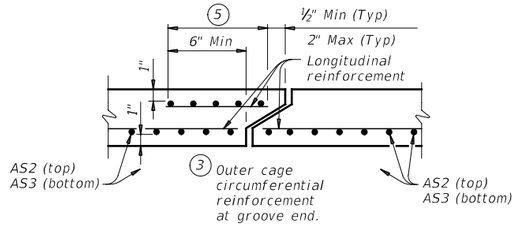
FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT

(4) Length is equal to spacing of longitudinal reinforcing plus 2". (10" Min) (Typ)



SECTION A-A

(Showing top and bottom slab joint reinforcement.)

MATERIAL NOTES:

Provide 0.03 sq. in./ft. minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.

Provide Class H concrete (f`c = 5,000 psi).

GENERAL NOTES:

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HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

7'-0" SPAN

SCP-7

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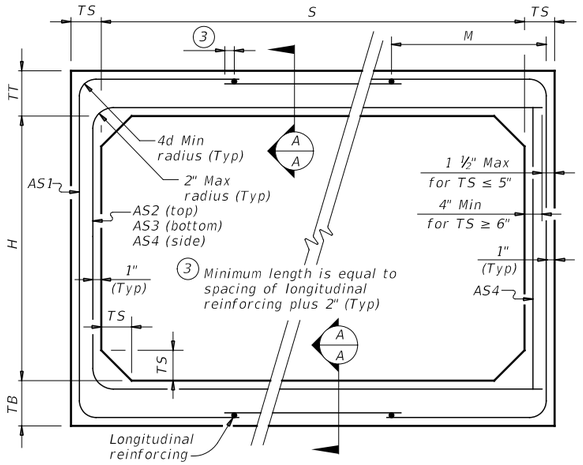
BOX DATA

SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (sq. in. / ft.) (2)							(1) Lift Weight
S (ft.)	H (ft.)	TT (in.)	TB (in.)	TS (in.)	(ft.)	(in.)	AS1	AS2	AS3	AS4	AS5	AS7	AS8	(tons)
10	4	10	10	10	< 2	–	0.33	0.34	0.27	0.24	0.24	0.24	0.24	16.5
10	4	10	10	10	2 < 3	58	0.38	0.35	0.30	0.24	–	–	–	16.5
10	4	10	10	10	3 – 5	53	0.31	0.28	0.27	0.24	–	–	–	16.5
10	4	10	10	10	10	52	0.36	0.32	0.33	0.24	–	–	–	16.5
10	4	10	10	10	15	52	0.47	0.42	0.43	0.24	–	–	–	16.5
10	4	10	10	10	20	52	0.61	0.54	0.55	0.24	–	–	–	16.5
10	4	10	10	10	25	52	0.75	0.67	0.68	0.24	–	–	–	16.5
10	5	10	10	10	< 2	–	0.30	0.36	0.30	0.24	0.24	0.24	0.24	17.5
10	5	10	10	10	2 < 3	58	0.35	0.39	0.34	0.24	–	–	–	17.5
10	5	10	10	10	3 – 5	52	0.28	0.31	0.30	0.24	–	–	–	17.5
10	5	10	10	10	10	52	0.33	0.35	0.36	0.24	–	–	–	17.5
10	5	10	10	10	15	47	0.42	0.46	0.47	0.24	–	–	–	17.5
10	5	10	10	10	20	47	0.55	0.59	0.61	0.24	–	–	–	17.5
10	5	10	10	10	25	47	0.68	0.73	0.75	0.24	–	–	–	17.5
10	6	10	10	10	< 2	–	0.28	0.38	0.33	0.24	0.24	0.24	0.24	18.5
10	6	10	10	10	2 < 3	58	0.32	0.42	0.37	0.24	–	–	–	18.5
10	6	10	10	10	3 – 5	53	0.26	0.34	0.33	0.24	–	–	–	18.5
10	6	10	10	10	10	52	0.30	0.38	0.39	0.24	–	–	–	18.5
10	6	10	10	10	15	47	0.39	0.49	0.51	0.24	–	–	–	18.5
10	6	10	10	10	20	47	0.50	0.63	0.65	0.24	–	–	–	18.5
10	6	10	10	10	25	47	0.61	0.78	0.80	0.24	–	–	–	18.5
10	7	10	10	10	< 2	–	0.25	0.40	0.36	0.24	0.24	0.24	0.24	19.5
10	7	10	10	10	2 < 3	58	0.30	0.45	0.40	0.24	–	–	–	19.5
10	7	10	10	10	3 – 5	58	0.24	0.36	0.35	0.24	–	–	–	19.5
10	7	10	10	10	10	52	0.28	0.40	0.42	0.24	–	–	–	19.5
10	7	10	10	10	15	47	0.36	0.52	0.54	0.24	–	–	–	19.5
10	7	10	10	10	20	47	0.46	0.67	0.69	0.24	–	–	–	19.5
10	7	10	10	10	25	47	0.56	0.82	0.85	0.24	–	–	–	19.5
10	8	10	10	10	< 2	–	0.24	0.41	0.38	0.24	0.24	0.24	0.24	20.5
10	8	10	10	10	2 < 3	64	0.27	0.47	0.43	0.24	–	–	–	20.5
10	8	10	10	10	3 – 5	58	0.24	0.38	0.38	0.24	–	–	–	20.5
10	8	10	10	10	10	52	0.26	0.42	0.44	0.24	–	–	–	20.5
10	8	10	10	10	15	47	0.34	0.54	0.57	0.24	–	–	–	20.5
10	8	10	10	10	20	47	0.43	0.69	0.72	0.24	–	–	–	20.5
10	9	10	10	10	< 2	–	0.24	0.42	0.41	0.24	0.24	0.24	0.24	21.5
10	9	10	10	10	2 < 3	70	0.26	0.50	0.46	0.24	–	–	–	21.5
10	9	10	10	10	3 – 5	64	0.24	0.40	0.40	0.24	–	–	–	21.5
10	9	10	10	10	10	58	0.25	0.43	0.46	0.24	–	–	–	21.5
10	9	10	10	10	15	52	0.32	0.56	0.59	0.24	–	–	–	21.5
10	9	10	10	10	20	47	0.40	0.71	0.75	0.24	–	–	–	21.5
10	10	10	10	10	< 2	–	0.24	0.44	0.44	0.24	0.24	0.24	0.24	22.5
10	10	10	10	10	2 < 3	79	0.25	0.52	0.48	0.24	–	–	–	22.5
10	10	10	10	10	3 – 5	70	0.24	0.42	0.43	0.24	–	–	–	22.5
10	10	10	10	10	10	64	0.24	0.44	0.48	0.24	–	–	–	22.5
10	10	10	10	10	15	52	0.30	0.57	0.61	0.24	–	–	–	22.5
10	10	10	10	10	20	52	0.38	0.73	0.77	0.24	–	–	–	22.5

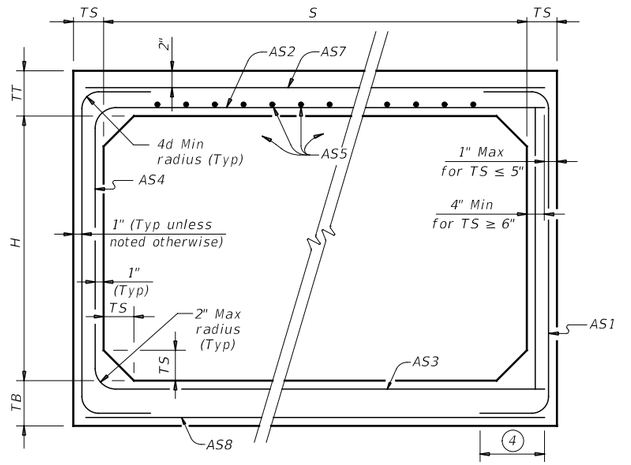
(1) For box length = 8'-0"

(2) AS1 thru AS4, AS7 and AS8 are minimum required areas of reinforcement per linear foot of box length. AS5 is minimum required area of reinforcement per linear foot of box width.



CORNER OPTION "A" CORNER OPTION "B"

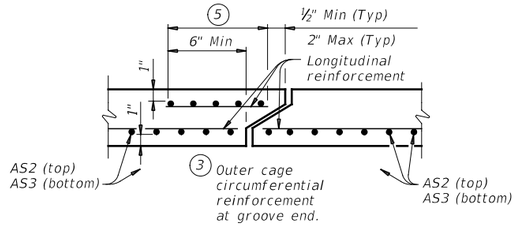
FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT

(4) Length is equal to spacing of longitudinal reinforcing plus 2". (10" Min) (Typ)



SECTION A-A

(Showing top and bottom slab joint reinforcement.)

MATERIAL NOTES:

Provide 0.03 sq. in./ft. minimum longitudinal reinforcement at each face in slabs and walls. This minimum requirement may be met by the transverse wires when wire mesh reinforcement is used.

Provide Class H concrete (f`c = 5,000 psi).

GENERAL NOTES:

Designs shown conform to ASTM C1577. Refer to ASTM C1577 for information or details not shown.

See Box Culverts Precast Miscellaneous Details (SCP-MD) standard sheet for details and notes not shown.

In lieu of furnishing the designs shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Submit shop plans for alternate designs in accordance with Item "Precast Concrete Structural Members (Fabrication)".

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

10'-0" SPAN

SCP-10

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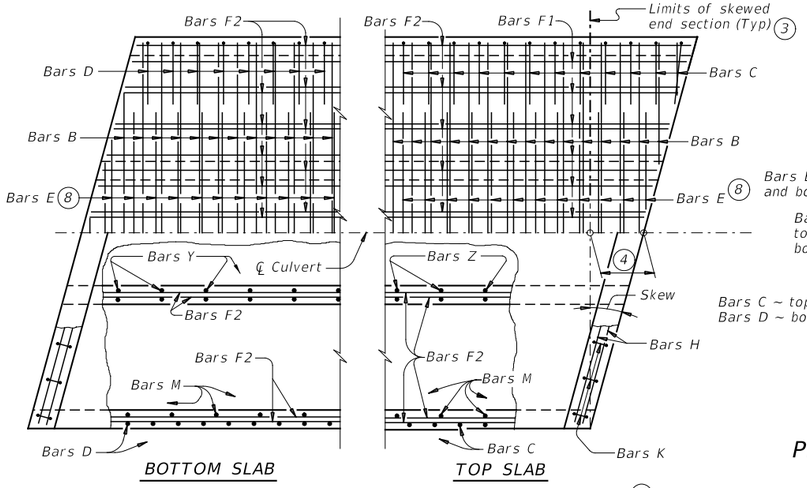
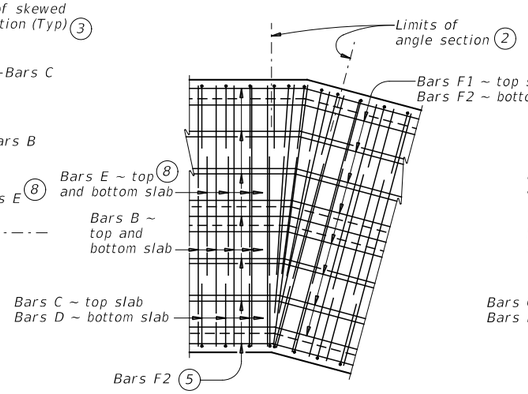
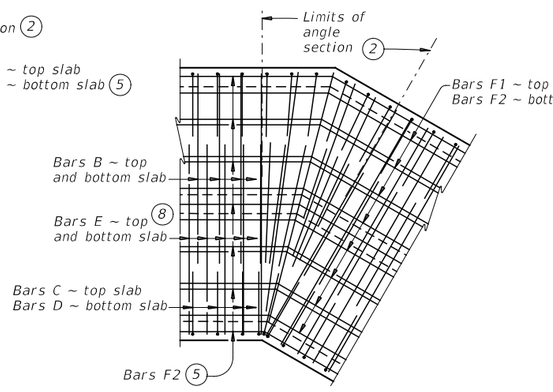


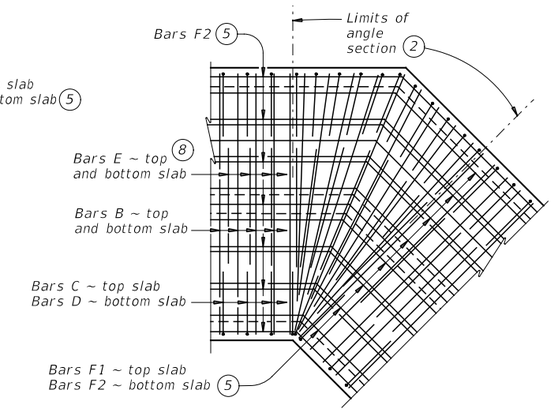
PLAN OF SKEWED ENDS ~ FROM 0° TO 15° 7



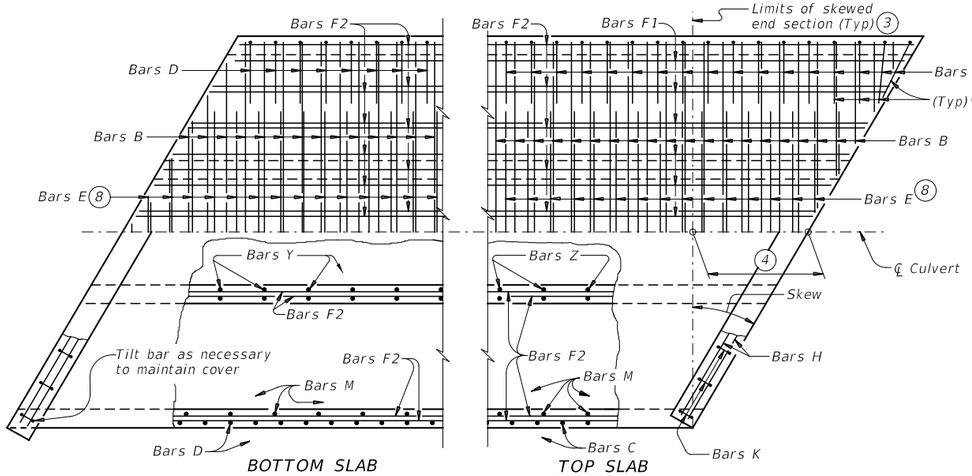
PLAN OF ANGLE SECTION ~ FROM 0° TO 15°



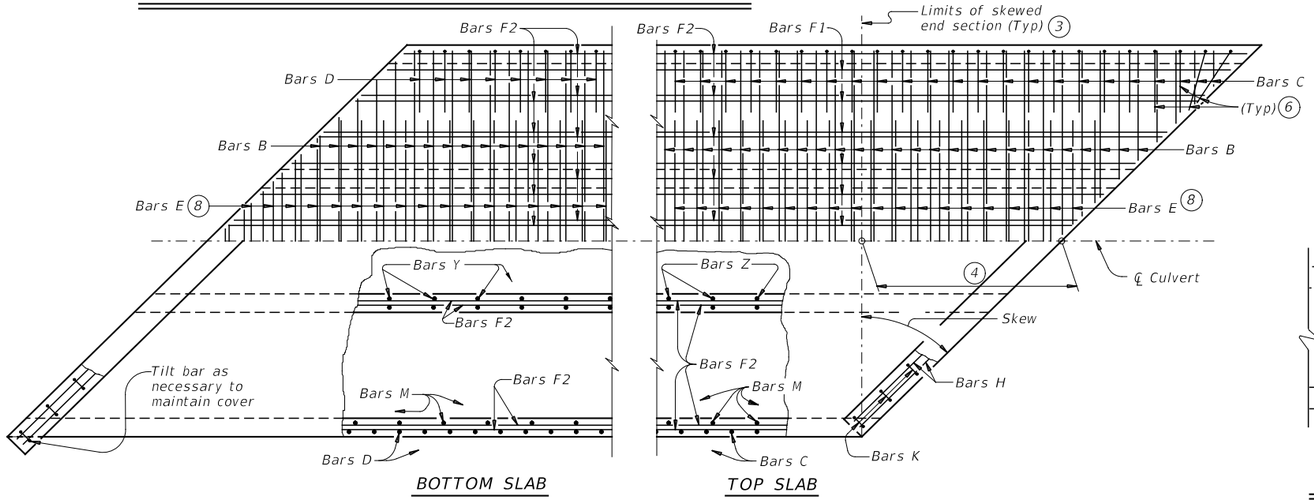
PLAN OF ANGLE SECTION ~ OVER 15° TO 30°



PLAN OF ANGLE SECTION ~ OVER 30° TO 45°



PLAN OF SKEWED ENDS ~ OVER 15° TO 30°



PLAN OF SKEWED ENDS ~ OVER 30° TO 45°

1 For skewed box culverts with less than 2'-0" of fill, break back the top slab to provide a 1'-10" minimum lap of the existing longitudinal bars with the longitudinal bars in the extension.

For non-skewed box culverts with less than 2'-0" of fill and for skewed or non-skewed culverts with a fill depth of 2'-0" or greater, break back the top slab to provide a 1'-10" minimum lap of the existing longitudinal bars with the longitudinal bars in the extension. Alternatively, if the box is non-skewed, embed #6 anchor bars with a Type III, Class C, D, E, or F anchor adhesive into the existing walls, top and bottom slab at 1'-6" center-to-center spacing. Minimum embedment depth is 8". Anchor adhesive chosen must be able to achieve a basic bond strength in tension, Nba, of 26.4 kips. Submit signed and sealed calculations or the manufacturer's published literature showing the proposed anchor adhesive's ability to develop this load to the Engineer for approval prior to use. Anchor installation, including hole size, drilling, and clean out, must be in accordance with Item 450, "Railing." Test adhesive anchors in accordance with Item 450.3.3, "Tests." Test 3 anchors per 100 anchors installed.

Break back wings and apron as necessary to install the extension. Clean and extend the exposed wingwall and apron reinforcing into the extension. When lengthening existing box culverts with dimensions different than current standard dimensions, form horizontal and vertical transitions as directed by the Engineer. Match bottom slabs to maintain an uninterrupted flow line. Field bend existing and new reinforcing into transitions and maintain specified cover requirements. For top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface, adjust the "H" dimension to provide a smooth riding surface.

2 When the spacing between Bars B or Bars E becomes less than half of the normal spacing, cut bars to avoid conflict.

3 The length of Bars B and Bars E will vary in the skewed end sections.

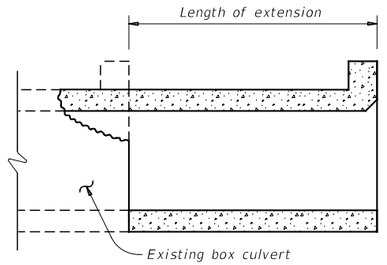
4 [One half of overall width] x [tangent of the skew angle]

5 Place Bars F1 and F2 continuously through the angle section. Bend Bars F1 and F2 to remain parallel to the walls of the box culvert.

6 When necessary to avoid conflict in acute corners, shorten the slab extension leg of Bars C and Bars D to a minimum of 1'-6" for skews of 30° thru 45°.

7 At the Contractor's option, for skews of 15° or less, place Bars B, C, D, and E parallel to the skewed end while maintaining spacing along centerline of box. Increase lengths of Bars B and Bars E shown on the Multiple Box Culverts Cast-In-Place (MC) standard sheets to accommodate the skew.

8 Extend Bars E as shown on the MC standard sheet for direct traffic culverts.



LENGTHENING DETAIL 1

CONSTRUCTION NOTES:

Do not use permanent forms.
When required, lap Bars H 1'-8" for uncoated or galvanized bars.
Provide a minimum of 1 ½" clear cover.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel, if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) with these exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
Refer to Multiple Box Culverts Cast-in-Place (MC) standard sheets for details of straight sections of culvert.
For skewed sections and angle sections, refer to Multiple Box Culverts Cast-in-Place (MC) standard sheets for slab and wall dimensions, bar sizes, maximum bar spacing, and any other details not shown.
For skewed ends with curbs, adjust length of Bars H, number of Bars K, curb concrete volume, and reinforcing steel weight by dividing the values shown on the Multiple Box Culverts Cast-In-Place (MC) standard sheets by the cosine of the skew angle.

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE MISCELLANEOUS DETAILS

MC-MD

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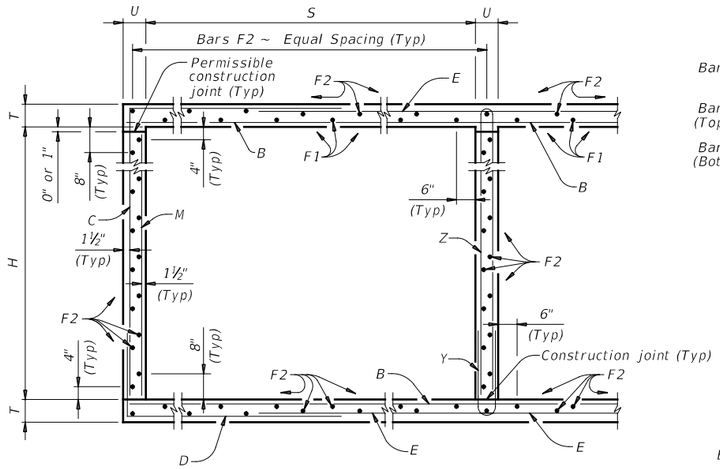
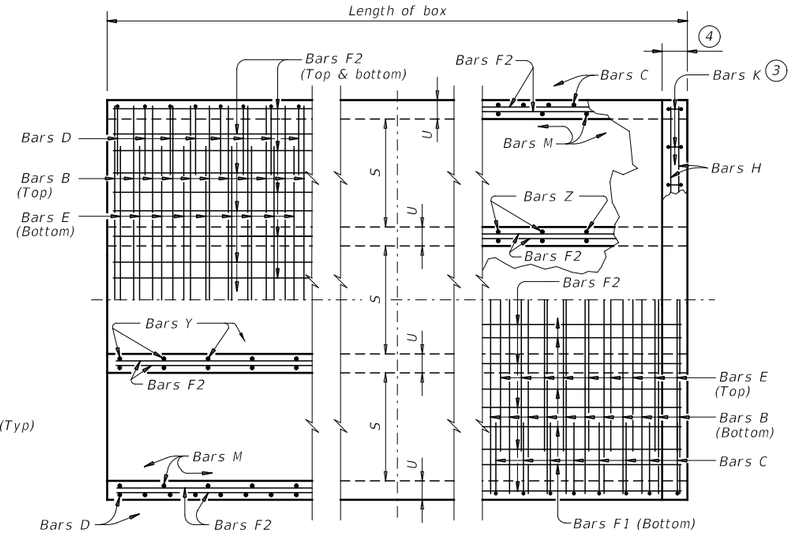


TYPICAL SECTION



BOTTOM SLAB TOP SLAB

PART PLANS

1. 0" Min to 5'–0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'–0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631–CM) standard sheet. Refer to the Rail Anchorage Curb (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

2. For vehicle safety, the following requirements must be met:
   - For structures without bridge rail, construct curbs no more than 3" above finished grade.
   - For structures with bridge rail, construct curbs flush with finished grade.

   Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

3. For curbs less than 1'–0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

4. 1'–0" typical. 2'–3" when the Rail Anchorage Curb (RAC) standard sheet is referred to elsewhere in the plans.

The Contractor may replace Bars B, C, D, E, F1, F2, M, Y, and/or Z with deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes. The lap length required for WWR is never less than the lap length required for uncoated #4 bars.

Example conversion: Replacing No. 6 Gr 60 at 6" Spacing with WWR
Required WWR = (0.44 sq. in. per 0.5 ft.) x (60 ksi / 70 ksi) = 0.755 sq. in. per ft.
If D30.6 wire is used to meet the 0.755 sq. in. per ft. requirement in this example, the required spacing = (0.306 sq. in.) / (0.755 sq. in. per ft.) x (12 in. per ft.) = 4.86" Max spacing. Required lap length for the provided D30.6 wire is 2'–1" (the same minimum lap length required for uncoated #5 bars, as listed under MATERIAL NOTES).

CONSTRUCTION NOTES:

Do not use permanent forms.
Chamfer the bottom edge of the top slab 3" at the entrance.
Optionally, raise construction joints shown at the flow line by a maximum of 6". If this option is taken, Bars M may be cut off or raised, Bars C and D may be reversed, and Bars Y and Z may be reversed.

MATERIAL NOTES:

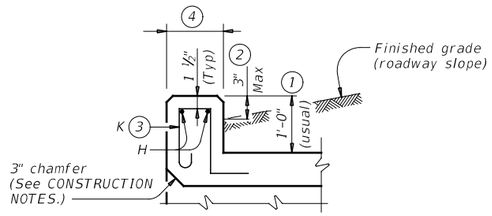
Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) for culvert barrel and curb, with the following exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of:
- culverts with overlay,
- culverts with 1–to–2 course surface treatment, or
- culverts with the top slab as the final riding surface.

Provide bar laps, where required, as follows:
- Uncoated or galvanized ~ #4 = 1'–8" Min
- Uncoated or galvanized ~ #5 = 2'–1" Min
- Uncoated or galvanized ~ #6 = 2'–6" Min

GENERAL NOTES:

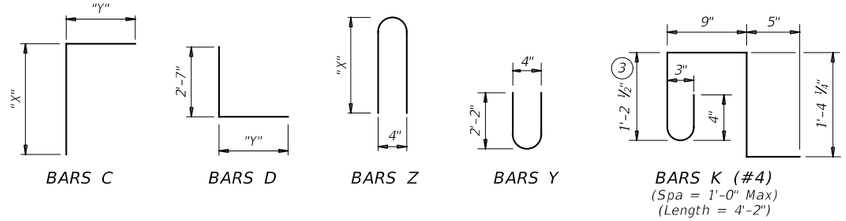
Designed according to AASHTO LRFD Bridge Design Specifications for the range of fill heights shown.
See the Multiple Box Culverts Cast–In–Place Miscellaneous Detail (MC–MD) standard sheet for details pertaining to skewed ends, angle sections, and lengthening.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out–to–out of bar.



SECTION THRU CURB

TABLE OF BAR DIMENSIONS		
H	"X"	"Y"
2'–0"	2'–6 ½"	3'–8 ½"
3'–0"	3'–6 ½"	3'–8 ½"
4'–0"	4'–6 ½"	3'–8 ½"
5'–0"	5'–6 ½"	3'–8 ½"



BARS C BARS D BARS Z BARS Y BARS K (#4)
(Spa = 1'–0" Max)
(Length = 4'–2")

HL93 LOADING SHEET 1 OF 2

Texas Department of Transportation — Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE
5'-0" SPAN
0' TO 20' FILL

MC-5-20

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NUMBER OF SPANS	SECTION DIMENSIONS				BILLS OF REINFORCING STEEL (For Box Length = 40 feet)																																QUANTITIES					
					Bars B					Bars C & D							Bars E					Bars F1 ~ #4				Bars F2 ~ #4				Bars M ~ #4				Bars Y & Z ~ #4								Bars H 4 ~ #4		Bars K		Per Foot of Barrel		Curb		Total	
	S	H	T	U	No.	Size	Spa	Length	Wt	No.	Size	Spa	Bars C Length	Bars C Wt	Bars D Length	Bars D Wt	No.	Size	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Bars Y Length	Bars Y Wt	Bars Z Length	Bars Z Wt	Length	Wt	No.	Wt	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)
2	5'-0"	2'-0"	8"	7"	108	#5	9"	11'-6"	1,295	108	#5	9"	6'-3"	704	6'-4"	713	108	#5	9"	8'-8"	976	8	18"	39'-9"	212	38	18"	39'-9"	1,009	108	9"	2'-0"	144	54	9"	4'-7"	165	5'-3"	189	11'-6"	31	26	72	0.710	135.2	0.9	103	29.3	5,510
3	5'-0"	2'-0"	8"	7"	108	#5	9"	17'-1"	1,924	108	#5	9"	6'-3"	704	6'-4"	713	108	#5	9"	14'-3"	1,605	12	18"	39'-9"	319	54	18"	39'-9"	1,434	108	9"	2'-0"	144	108	9"	4'-7"	331	5'-3"	379	17'-1"	46	38	106	1.029	188.8	1.3	152	42.4	7,705
4	5'-0"	2'-0"	8"	7"	108	#5	9"	22'-8"	2,553	108	#5	9"	6'-3"	704	6'-4"	713	108	#5	9"	19'-10"	2,234	16	18"	39'-9"	425	70	18"	39'-9"	1,859	108	9"	2'-0"	144	162	9"	4'-7"	496	5'-3"	568	22'-8"	61	48	134	1.348	242.4	1.7	195	55.6	9,891
5	5'-0"	2'-0"	8"	7"	108	#5	9"	28'-3"	3,182	108	#5	9"	6'-3"	704	6'-4"	713	108	#5	9"	25'-5"	2,863	20	18"	39'-9"	531	86	18"	39'-9"	2,284	108	9"	2'-0"	144	216	9"	4'-7"	661	5'-3"	758	28'-3"	75	60	167	1.667	296.0	2.1	242	68.8	12,082
6	5'-0"	2'-0"	8"	7"	108	#5	9"	33'-10"	3,811	108	#5	9"	6'-3"	704	6'-4"	713	108	#5	9"	31'-0"	3,492	24	18"	39'-9"	637	102	18"	39'-9"	2,708	108	9"	2'-0"	144	270	9"	4'-7"	827	5'-3"	947	33'-10"	90	70	195	1.986	349.6	2.5	285	82.0	14,268
2	5'-0"	3'-0"	8"	7"	108	#6	9"	11'-6"	1,865	108	#5	9"	7'-3"	817	6'-4"	713	108	#5	9"	8'-8"	976	8	18"	39'-9"	212	44	18"	39'-9"	1,168	108	9"	3'-0"	216	54	9"	4'-7"	165	7'-3"	262	11'-6"	31	26	72	0.775	159.9	0.9	103	31.9	6,497
3	5'-0"	3'-0"	8"	7"	108	#6	9"	17'-1"	2,771	108	#5	9"	7'-3"	817	6'-4"	713	108	#5	9"	14'-3"	1,605	12	18"	39'-9"	319	62	18"	39'-9"	1,646	108	9"	3'-0"	216	108	9"	4'-7"	331	7'-3"	523	17'-1"	46	38	106	1.115	223.5	1.3	152	45.9	9,093
4	5'-0"	3'-0"	8"	7"	108	#6	9"	22'-8"	3,677	108	#5	9"	7'-3"	817	6'-4"	713	108	#5	9"	19'-10"	2,234	16	18"	39'-9"	425	80	18"	39'-9"	2,124	108	9"	3'-0"	216	162	9"	4'-7"	496	7'-3"	785	22'-8"	61	48	134	1.456	287.2	1.7	195	59.9	11,682
5	5'-0"	3'-0"	8"	7"	108	#6	9"	28'-3"	4,583	108	#5	9"	7'-3"	817	6'-4"	713	108	#5	9"	25'-5"	2,863	20	18"	39'-9"	531	98	18"	39'-9"	2,602	108	9"	3'-0"	216	216	9"	4'-7"	661	7'-3"	1,046	28'-3"	75	60	167	1.796	350.8	2.1	242	73.9	14,274
6	5'-0"	3'-0"	8"	7"	108	#6	9"	33'-10"	5,488	108	#5	9"	7'-3"	817	6'-4"	713	108	#5	9"	31'-0"	3,492	24	18"	39'-9"	637	116	18"	39'-9"	3,080	108	9"	3'-0"	216	270	9"	4'-7"	827	7'-3"	1,308	33'-10"	90	70	195	2.137	414.5	2.5	285	88.0	16,863
2	5'-0"	4'-0"	8"	7"	108	#6	9"	11'-6"	1,865	108	#5	9"	8'-3"	929	6'-4"	713	108	#5	9"	8'-8"	976	8	18"	39'-9"	212	44	18"	39'-9"	1,168	108	9"	4'-0"	289	54	9"	4'-7"	165	9'-3"	334	11'-6"	31	26	72	0.840	166.3	0.9	103	34.5	6,754
3	5'-0"	4'-0"	8"	7"	108	#6	9"	17'-1"	2,771	108	#5	9"	8'-3"	929	6'-4"	713	108	#5	9"	14'-3"	1,605	12	18"	39'-9"	319	62	18"	39'-9"	1,646	108	9"	4'-0"	289	108	9"	4'-7"	331	9'-3"	667	17'-1"	46	38	106	1.202	231.8	1.3	152	49.4	9,422
4	5'-0"	4'-0"	8"	7"	108	#6	9"	22'-8"	3,677	108	#5	9"	8'-3"	929	6'-4"	713	108	#5	9"	19'-10"	2,234	16	18"	39'-9"	425	80	18"	39'-9"	2,124	108	9"	4'-0"	289	162	9"	4'-7"	496	9'-3"	1,001	22'-8"	61	48	134	1.564	297.2	1.7	195	64.3	12,083
5	5'-0"	4'-0"	8"	7"	108	#6	9"	28'-3"	4,583	108	#5	9"	8'-3"	929	6'-4"	713	108	#5	9"	25'-5"	2,863	20	18"	39'-9"	531	98	18"	39'-9"	2,602	108	9"	4'-0"	289	216	9"	4'-7"	661	9'-3"	1,335	28'-3"	75	60	167	1.926	362.7	2.1	242	79.1	14,748
6	5'-0"	4'-0"	8"	7"	108	#6	9"	33'-10"	5,488	108	#5	9"	8'-3"	929	6'-4"	713	108	#5	9"	31'-0"	3,492	24	18"	39'-9"	637	116	18"	39'-9"	3,080	108	9"	4'-0"	289	270	9"	4'-7"	827	9'-3"	1,668	33'-10"	90	70	195	2.288	428.1	2.5	285	94.0	17,408
2	5'-0"	5'-0"	8"	7"	108	#6	9"	11'-6"	1,865	108	#5	9"	9'-3"	1,042	6'-4"	713	108	#5	9"	8'-8"	976	8	18"	39'-9"	212	50	18"	39'-9"	1,328	108	9"	5'-0"	361	54	9"	4'-7"	165	11'-3"	406	11'-6"	31	26	72	0.904	176.7	0.9	103	37.0	7,171
3	5'-0"	5'-0"	8"	7"	108	#6	9"	17'-1"	2,771	108	#5	9"	9'-3"	1,042	6'-4"	713	108	#5	9"	14'-3"	1,605	12	18"	39'-9"	319	70	18"	39'-9"	1,859	108	9"	5'-0"	361	108	9"	4'-7"	331	11'-3"	812	17'-1"	46	38	106	1.288	245.3	1.3	152	52.8	9,965
4	5'-0"	5'-0"	8"	7"	108	#6	9"	22'-8"	3,677	108	#5	9"	9'-3"	1,042	6'-4"	713	108	#5	9"	19'-10"	2,234	16	18"	39'-9"	425	90	18"	39'-9"	2,390	108	9"	5'-0"	361	162	9"	4'-7"	496	11'-3"	1,217	22'-8"	61	48	134	1.672	313.9	1.7	195	68.6	12,750
5	5'-0"	5'-0"	8"	7"	108	#6	9"	28'-3"	4,583	108	#5	9"	9'-3"	1,042	6'-4"	713	108	#5	9"	25'-5"	2,863	20	18"	39'-9"	531	110	18"	39'-9"	2,921	108	9"	5'-0"	361	216	9"	4'-7"	661	11'-3"	1,623	28'-3"	75	60	167	2.056	382.5	2.1	242	84.3	15,540
6	5'-0"	5'-0"	8"	7"	108	#6	9"	33'-10"	5,488	108	#5	9"	9'-3"	1,042	6'-4"	713	108	#5	9"	31'-0"	3,492	24	18"	39'-9"	637	130	18"	39'-9"	3,452	108	9"	5'-0"	361	270	9"	4'-7"	827	11'-3"	2,029	33'-10"	90	70	195	2.439	451.0	2.5	285	100.1	18,326

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE

5'-0" SPAN

0' TO 20' FILL

MC-5-20

FILE: mc520ste-20.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
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REVISIONS				
	DIST	COUNTY		SHEET NO.
				260

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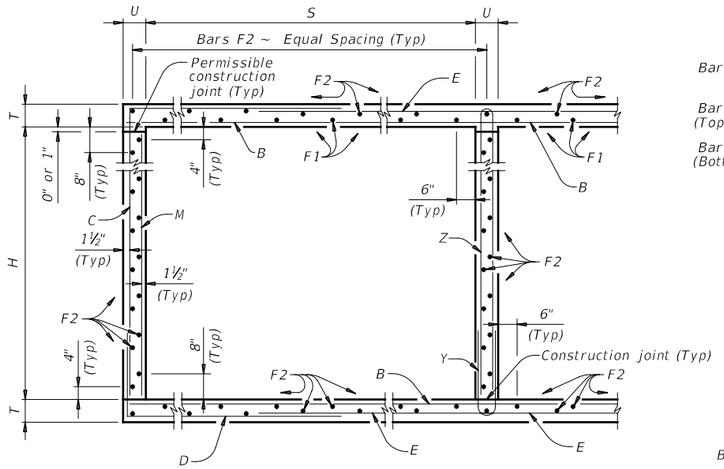
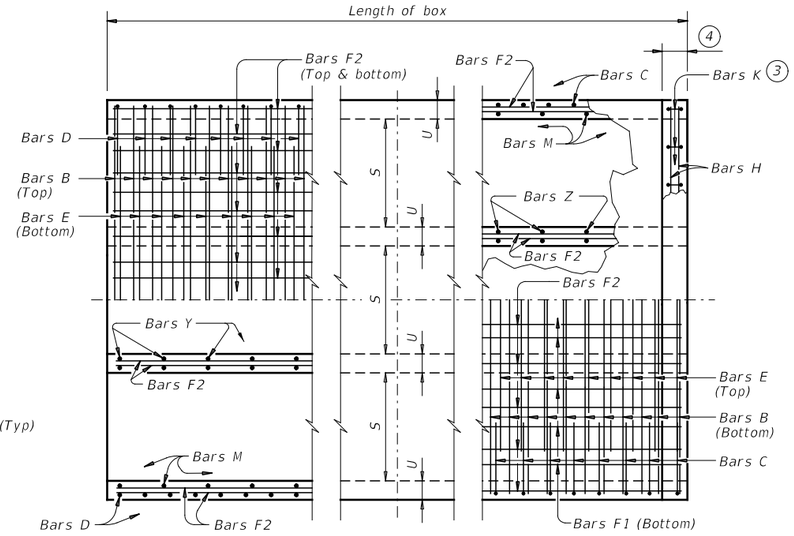
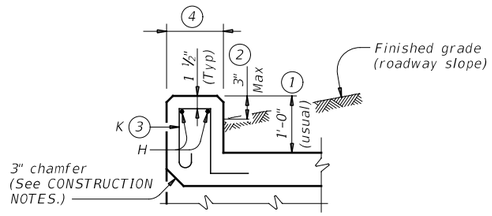


TYPICAL SECTION



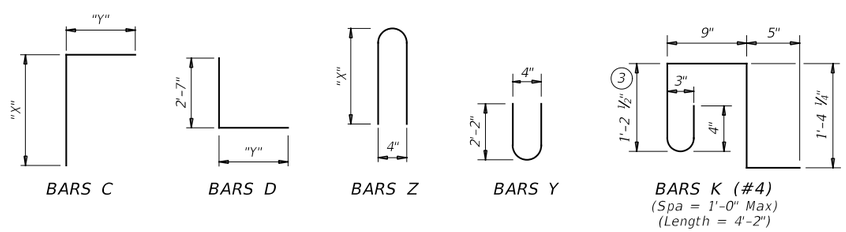
BOTTOM SLAB TOP SLAB

PART PLANS



SECTION THRU CURB

TABLE OF BAR DIMENSIONS		
H	"X"	"Y"
3'-0"	3'-6 ½"	4'-5"
4'-0"	4'-6 ½"	4'-5"
5'-0"	5'-6 ½"	4'-5"
6'-0"	6'-6 ½"	4'-5"
7'-0"	7'-6 ½"	4'-5"



1. 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Rail Anchorage Curb (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

2. For vehicle safety, the following requirements must be met:
   - For structures without bridge rail, construct curbs no more than 3" above finished grade.
   - For structures with bridge rail, construct curbs flush with finished grade.

   Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

3. For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

4. 1'-0" typical. 2'-3" when the Rail Anchorage Curb (RAC) standard sheet is referred to elsewhere in the plans.

The Contractor may replace Bars B, C, D, E, F1, F2, M, Y, and/or Z with deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes. The lap length required for WWR is never less than the lap length required for uncoated #4 bars.

Example conversion: Replacing No. 6 Gr 60 at 6" Spacing with WWR
Required WWR = (0.44 sq. in. per 0.5 ft.) x (60 ksi / 70 ksi) = 0.755 sq. in. per ft.
If D30.6 wire is used to meet the 0.755 sq. in. per ft. requirement in this example, the required spacing = (0.306 sq. in.) / (0.755 sq. in. per ft.) x (12 in. per ft.) = 4.86" Max spacing. Required lap length for the provided D30.6 wire is 2'-1" (the same minimum lap length required for uncoated #5 bars, as listed under MATERIAL NOTES).

CONSTRUCTION NOTES:

Do not use permanent forms.
Chamfer the bottom edge of the top slab 3" at the entrance.
Optionally, raise construction joints shown at the flow line by a maximum of 6". If this option is taken, Bars M may be cut off or raised, Bars C and D may be reversed, and Bars Y and Z may be reversed.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) for culvert barrel and curb, with the following exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of:
- culverts with overlay,
- culverts with 1-to-2 course surface treatment, or
- culverts with the top slab as the final riding surface.

Provide bar laps, where required, as follows:
- Uncoated or galvanized ~ #4 = 1'-8" Min
- Uncoated or galvanized ~ #5 = 2'-1" Min
- Uncoated or galvanized ~ #6 = 2'-6" Min

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications for the range of fill heights shown.
See the Multiple Box Culverts Cast-In-Place Miscellaneous Detail (MC-MD) standard sheet for details pertaining to skewed ends, angle sections, and lengthening.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE
7'-0" SPAN
0' TO 10' FILL

MC-7-10

FILE: mc710ste-20.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				261

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DATE:
FILE:

NUMBER OF SPANS	SECTION DIMENSIONS				BILLS OF REINFORCING STEEL (For Box Length = 40 feet)																														QUANTITIES					
					Bars B					Bars C & D							Bars E					Bars F1 ~ #4				Bars F2 ~ #4				Bars M ~ #4				Bars Y & Z ~ #4								Bars H 4 ~ #4		Bars K		Per Foot of Barrel		Curb		Total	
												Bars C		Bars D																				Bars Y		Bars Z											
	S	H	T	U	No.	Size	Spa	Length	Wt	No.	Size	Spa	Length	Wt	Length	Wt	No.	Size	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	Length	Wt	No.	Wt	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)
2	7' – 0"	3' – 0"	8"	7"	108	#6	9"	15' – 6"	2,514	162	#5	6"	7' – 11"	1,338	7' – 0"	1,183	108	#6	9"	11' – 5"	1,852	10	18"	39' – 9"	266	54	18"	39' – 9"	1,434	108	9"	3' – 0"	216	54	9"	4' – 7"	165	7' – 3"	262	15' – 6"	41	34	95	0.972	230.8	1.2	136	40.0	9,366
3	7' – 0"	3' – 0"	8"	7"	108	#6	9"	23' – 1"	3,744	162	#5	6"	7' – 11"	1,338	7' – 0"	1,183	108	#6	9"	19' – 0"	3,082	15	18"	39' – 9"	398	77	18"	39' – 9"	2,045	108	9"	3' – 0"	216	108	9"	4' – 7"	331	7' – 3"	523	23' – 1"	62	50	139	1.412	321.5	1.7	201	58.2	13,061
4	7' – 0"	3' – 0"	8"	7"	108	#6	9"	30' – 8"	4,975	162	#5	6"	7' – 11"	1,338	7' – 0"	1,183	108	#6	9"	26' – 7"	4,312	20	18"	39' – 9"	531	100	18"	39' – 9"	2,655	108	9"	3' – 0"	216	162	9"	4' – 7"	496	7' – 3"	785	30' – 8"	82	64	178	1.851	412.3	2.3	260	76.3	16,751
5	7' – 0"	3' – 0"	8"	7"	108	#6	9"	38' – 3"	6,205	162	#5	6"	7' – 11"	1,338	7' – 0"	1,183	108	#6	9"	34' – 2"	5,542	25	18"	39' – 9"	664	123	18"	39' – 9"	3,266	108	9"	3' – 0"	216	216	9"	4' – 7"	661	7' – 3"	1,046	38' – 3"	102	80	223	2.290	503.0	2.8	325	94.4	20,446
6	7' – 0"	3' – 0"	8"	7"	108	#6	9"	45' – 10"	7,435	162	#5	6"	7' – 11"	1,338	7' – 0"	1,183	108	#6	9"	41' – 9"	6,773	30	18"	39' – 9"	797	146	18"	39' – 9"	3,877	108	9"	3' – 0"	216	270	9"	4' – 7"	827	7' – 3"	1,308	45' – 10"	122	94	262	2.729	593.9	3.4	384	112.6	24,138
2	7' – 0"	4' – 0"	8"	7"	108	#6	9"	15' – 6"	2,514	162	#5	6"	8' – 11"	1,507	7' – 0"	1,183	108	#6	9"	11' – 5"	1,852	10	18"	39' – 9"	266	54	18"	39' – 9"	1,434	108	9"	4' – 0"	289	54	9"	4' – 7"	165	9' – 3"	334	15' – 6"	41	34	95	1.037	238.6	1.2	136	42.6	9,680
3	7' – 0"	4' – 0"	8"	7"	108	#6	9"	23' – 1"	3,744	162	#5	6"	8' – 11"	1,507	7' – 0"	1,183	108	#6	9"	19' – 0"	3,082	15	18"	39' – 9"	398	77	18"	39' – 9"	2,045	108	9"	4' – 0"	289	108	9"	4' – 7"	331	9' – 3"	667	23' – 1"	62	50	139	1.498	331.2	1.7	201	61.6	13,447
4	7' – 0"	4' – 0"	8"	7"	108	#6	9"	30' – 8"	4,975	162	#5	6"	8' – 11"	1,507	7' – 0"	1,183	108	#6	9"	26' – 7"	4,312	20	18"	39' – 9"	531	100	18"	39' – 9"	2,655	108	9"	4' – 0"	289	162	9"	4' – 7"	496	9' – 3"	1,001	30' – 8"	82	64	178	1.959	423.7	2.3	260	80.6	17,209
5	7' – 0"	4' – 0"	8"	7"	108	#6	9"	38' – 3"	6,205	162	#5	6"	8' – 11"	1,507	7' – 0"	1,183	108	#6	9"	34' – 2"	5,542	25	18"	39' – 9"	664	123	18"	39' – 9"	3,266	108	9"	4' – 0"	289	216	9"	4' – 7"	661	9' – 3"	1,335	38' – 3"	102	80	223	2.420	516.3	2.8	325	99.6	20,977
6	7' – 0"	4' – 0"	8"	7"	108	#6	9"	45' – 10"	7,435	162	#5	6"	8' – 11"	1,507	7' – 0"	1,183	108	#6	9"	41' – 9"	6,773	30	18"	39' – 9"	797	146	18"	39' – 9"	3,877	108	9"	4' – 0"	289	270	9"	4' – 7"	827	9' – 3"	1,668	45' – 10"	122	94	262	2.881	608.9	3.4	384	118.6	24,740
2	7' – 0"	5' – 0"	8"	7"	108	#6	9"	15' – 6"	2,514	162	#5	6"	9' – 11"	1,676	7' – 0"	1,183	108	#6	9"	11' – 5"	1,852	10	18"	39' – 9"	266	60	18"	39' – 9"	1,593	108	9"	5' – 0"	361	54	9"	4' – 7"	165	11' – 3"	406	15' – 6"	41	34	95	1.102	250.4	1.2	136	45.2	10,152
3	7' – 0"	5' – 0"	8"	7"	108	#6	9"	23' – 1"	3,744	162	#5	6"	9' – 11"	1,676	7' – 0"	1,183	108	#6	9"	19' – 0"	3,082	15	18"	39' – 9"	398	85	18"	39' – 9"	2,257	108	9"	5' – 0"	361	108	9"	4' – 7"	331	11' – 3"	812	23' – 1"	62	50	139	1.584	346.1	1.7	201	65.1	14,045
4	7' – 0"	5' – 0"	8"	7"	108	#6	9"	30' – 8"	4,975	162	#5	6"	9' – 11"	1,676	7' – 0"	1,183	108	#6	9"	26' – 7"	4,312	20	18"	39' – 9"	531	110	18"	39' – 9"	2,921	108	9"	5' – 0"	361	162	9"	4' – 7"	496	11' – 3"	1,217	30' – 8"	82	64	178	2.067	441.8	2.3	260	85.0	17,932
5	7' – 0"	5' – 0"	8"	7"	108	#6	9"	38' – 3"	6,205	162	#5	6"	9' – 11"	1,676	7' – 0"	1,183	108	#6	9"	34' – 2"	5,542	25	18"	39' – 9"	664	135	18"	39' – 9"	3,585	108	9"	5' – 0"	361	216	9"	4' – 7"	661	11' – 3"	1,623	38' – 3"	102	80	223	2.549	537.5	2.8	325	104.8	21,825
6	7' – 0"	5' – 0"	8"	7"	108	#6	9"	45' – 10"	7,435	162	#5	6"	9' – 11"	1,676	7' – 0"	1,183	108	#6	9"	41' – 9"	6,773	30	18"	39' – 9"	797	160	18"	39' – 9"	4,248	108	9"	5' – 0"	361	270	9"	4' – 7"	827	11' – 3"	2,029	45' – 10"	122	94	262	3.032	633.2	3.4	384	124.7	25,713
2	7' – 0"	6' – 0"	8"	7"	108	#6	9"	15' – 6"	2,514	162	#5	6"	10' – 11"	1,845	7' – 0"	1,183	108	#6	9"	11' – 5"	1,852	10	18"	39' – 9"	266	66	18"	39' – 9"	1,752	108	9"	6' – 0"	433	54	9"	4' – 7"	165	13' – 3"	478	15' – 6"	41	34	95	1.167	262.2	1.2	136	47.8	10,624
3	7' – 0"	6' – 0"	8"	7"	108	#6	9"	23' – 1"	3,744	162	#5	6"	10' – 11"	1,845	7' – 0"	1,183	108	#6	9"	19' – 0"	3,082	15	18"	39' – 9"	398	93	18"	39' – 9"	2,469	108	9"	6' – 0"	433	108	9"	4' – 7"	331	13' – 3"	956	23' – 1"	62	50	139	1.671	361.0	1.7	201	68.6	14,642
4	7' – 0"	6' – 0"	8"	7"	108	#6	9"	30' – 8"	4,975	162	#5	6"	10' – 11"	1,845	7' – 0"	1,183	108	#6	9"	26' – 7"	4,312	20	18"	39' – 9"	531	120	18"	39' – 9"	3,186	108	9"	6' – 0"	433	162	9"	4' – 7"	496	13' – 3"	1,434	30' – 8"	82	64	178	2.175	459.9	2.3	260	89.3	18,655
5	7' – 0"	6' – 0"	8"	7"	108	#6	9"	38' – 3"	6,205	162	#5	6"	10' – 11"	1,845	7' – 0"	1,183	108	#6	9"	34' – 2"	5,542	25	18"	39' – 9"	664	147	18"	39' – 9"	3,903	108	9"	6' – 0"	433	216	9"	4' – 7"	661	13' – 3"	1,912	38' – 3"	102	80	223	2.679	558.7	2.8	325	110.0	22,673
6	7' – 0"	6' – 0"	8"	7"	108	#6	9"	45' – 10"	7,435	162	#5	6"	10' – 11"	1,845	7' – 0"	1,183	108	#6	9"	41' – 9"	6,773	30	18"	39' – 9"	797	174	18"	39' – 9"	4,620	108	9"	6' – 0"	433	270	9"	4' – 7"	827	13' – 3"	2,390	45' – 10"	122	94	262	3.183	657.6	3.4	384	130.7	26,687
2	7' – 0"	7' – 0"	8"	7"	108	#6	9"	15' – 6"	2,514	162	#5	6"	11' – 11"	2,014	7' – 0"	1,183	108	#6	9"	11' – 5"	1,852	10	18"	39' – 9"	266	66	18"	39' – 9"	1,752	108	9"	7' – 0"	505	54	9"	4' – 7"	165	15' – 3"	550	15' – 6"	41	34	95	1.231	270.0	1.2	136	50.4	10,937
3	7' – 0"	7' – 0"	8"	7"	108	#6	9"	23' – 1"	3,744	162	#5	6"	11' – 11"	2,014	7' – 0"	1,183	108	#6	9"	19' – 0"	3,082	15	18"	39' – 9"	398	93	18"	39' – 9"	2,469	108	9"	7' – 0"	505	108	9"	4' – 7"	331	15' – 3"	1,100	23' – 1"	62	50	139	1.757	370.7	1.7	201	72.0	15,027
4	7' – 0"	7' – 0"	8"	7"	108	#6	9"	30' – 8"	4,975	162	#5	6"	11' – 11"	2,014	7' – 0"	1,183	108	#6	9"	26' – 7"	4,312	20	18"	39' – 9"	531	120	18"	39' – 9"	3,186	108	9"	7' – 0"	505	162	9"	4' – 7"	496	15' – 3"	1,650	30' – 8"	82	64	178	2.283	471.3	2.3	260	93.6	19,112
5	7' – 0"	7' – 0"	8"	7"	108	#6	9"	38' – 3"	6,205	162	#5	6"	11' – 11"	2,014	7' – 0"	1,183	108	#6	9"	34' – 2"	5,542	25	18"	39' – 9"	664	147	18"	39' – 9"	3,903	108	9"	7' – 0"	505	216	9"	4' – 7"	661	15' – 3"	2,200	38' – 3"	102	80	223	2.809	571.9	2.8	325	115.2	23,202
6	7' – 0"	7' – 0"	8"	7"	108	#6	9"	45' – 10"	7,435	162	#5	6"	11' – 11"	2,014	7' – 0"	1,183	108	#6	9"	41' – 9"	6,773	30	18"	39' – 9"	797	174	18"	39' – 9"	4,620	108	9"	7' – 0"	505	270	9"	4' – 7"	827	15' – 3"	2,750	45' – 10"	122	94	262	3.334	672.6	3.4	384	136.8	27,288

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE
7'-0" SPAN
0' TO 10' FILL

MC-7-10

FILE: mc710ste-20.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
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REVISIONS				
	DIST	COUNTY		SHEET NO.
				262

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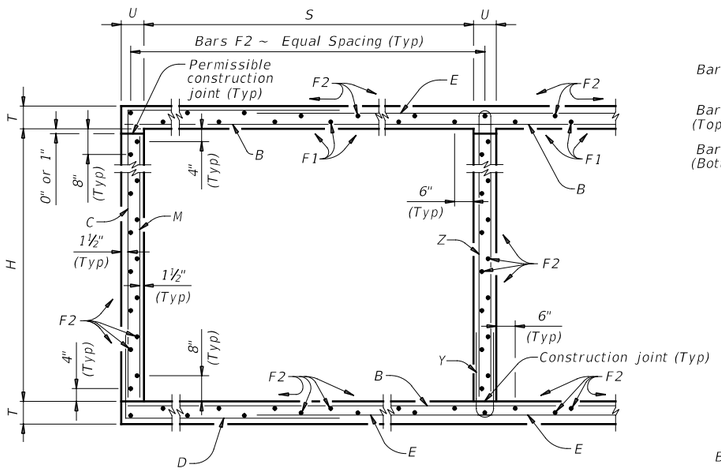
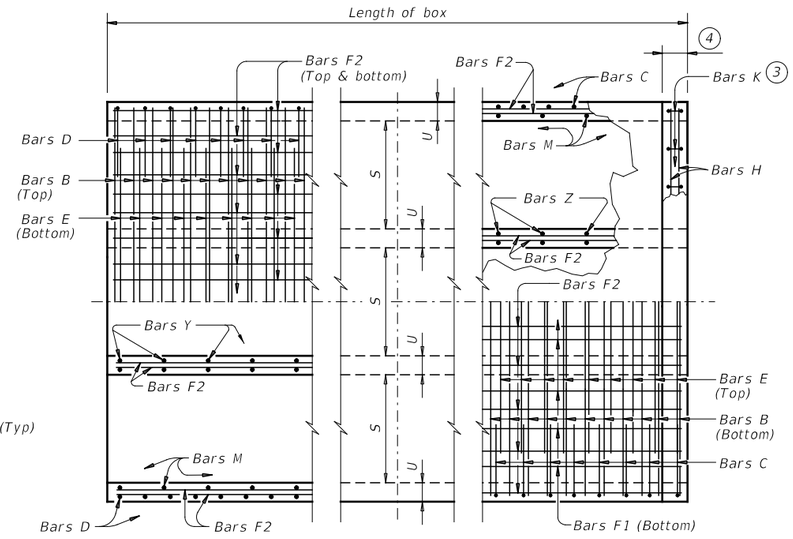
DATE:
FILE:



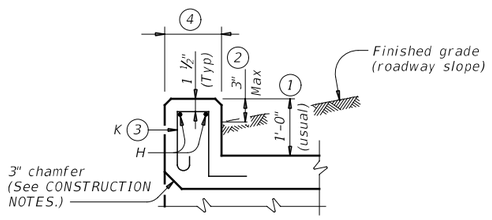
TYPICAL SECTION



BOTTOM SLAB

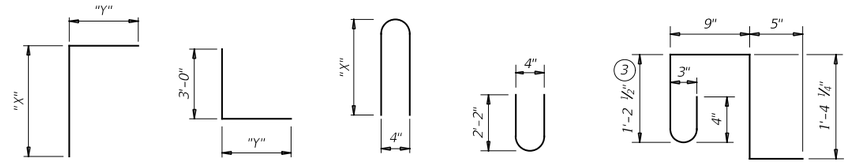
TOP SLAB

PART PLANS



SECTION THRU CURB

TABLE OF BAR DIMENSIONS		
H	"X"	"Y"
4'-0"	4'-6 ½"	5'-9"
5'-0"	5'-6 ½"	5'-9"
6'-0"	6'-6 ½"	5'-9"
7'-0"	7'-6 ½"	5'-9"
8'-0"	8'-6 ½"	5'-9"
9'-0"	9'-6 ½"	5'-9"
10'-0"	10'-6 ½"	5'-9"



(1) 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Rail Anchorage Curb (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

(2) For vehicle safety, the following requirements must be met:
- For structures without bridge rail, construct curbs no more than 3" above finished grade.
- For structures with bridge rail, construct curbs flush with finished grade.

Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

(3) For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.

(4) 1'-0" typical. 2'-3" when the Rail Anchorage Curb (RAC) standard sheet is referred to elsewhere in the plans.

The Contractor may replace Bars B, C, D, E, F1, F2, M, Y, and/or Z with deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064. The area of required reinforcement may be reduced by the ratio of 60 ksi / 70 ksi. Spacing of WWR is limited to 4" Min and 18" Max. When required, provide lap splices in the WWR of the same length required for the equivalent bar size, rounded up for wire sizes between conventional bar sizes. The lap length required for WWR is never less than the lap length required for uncoated #4 bars.

Example conversion: Replacing No. 6 Gr 60 at 6" Spacing with WWR
Required WWR = (0.44 sq. in. per 0.5 ft.) x (60 ksi / 70 ksi) = 0.755 sq. in. per ft.
If D30.6 wire is used to meet the 0.755 sq. in. per ft. requirement in this example, the required spacing = (0.306 sq. in.) / (0.755 sq. in. per ft.) x (12 in. per ft.) = 4.86" Max spacing. Required lap length for the provided D30.6 wire is 2'-1" (the same minimum lap length required for uncoated #5 bars, as listed under MATERIAL NOTES).

CONSTRUCTION NOTES:

Do not use permanent forms.
Chamfer the bottom edge of the top slab 3" at the entrance.
Optionally, raise construction joints shown at the flow line by a maximum of 6". If this option is taken, Bars M may be cut off or raised, Bars C and D may be reversed, and Bars Y and Z may be reversed.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Provide Class C concrete (f'c = 3,600 psi) for culvert barrel and curb, with the following exceptions: provide Class S concrete (f'c = 4,000 psi) for top slabs of:
- culverts with overlay,
- culverts with 1-to-2 course surface treatment, or
- culverts with the top slab as the final riding surface.

Provide bar laps, where required, as follows:
- Uncoated or galvanized ~ #4 = 1'-8" Min
- Uncoated or galvanized ~ #5 = 2'-1" Min
- Uncoated or galvanized ~ #6 = 2'-6" Min

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications for the range of fill heights shown.
See the Multiple Box Culverts Cast-In-Place Miscellaneous Detail (MC-MD) standard sheet for details pertaining to skewed ends, angle sections, and lengthening.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.

HL93 LOADING

SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE
10'-0" SPAN
0' TO 7' FILL

MC-10-7

FILE: mc107ste-20.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				263

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DATE:
FILE:

NUMBER OF SPANS	SECTION DIMENSIONS				BILLS OF REINFORCING STEEL (For Box Length = 40 feet)																														QUANTITIES					
					Bars B (5)					Bars C & D							Bars E					Bars F1 ~ #4				Bars F2 ~ #4				Bars M ~ #4				Bars Y & Z ~ #4						Bars H 4 ~ #4 (5)		Bars K		Per Foot of Barrel		Curb		Total	
	S	H	T	U	No.	Size	Spa	Length	Wt	No.	Size	Spa	Bars C Length	Bars C Wt	Bars D Length	Bars D Wt	No.	Size	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Length	Wt	No.	Spa	Bars Y Length	Bars Y Wt	Bars Z Length	Bars Z Wt	Length	Wt	No.	Wt	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)	Conc (CY)	Renf (Lb)
2	10' – 0"	4' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	108	#6	9"	10' – 4"	1,676	8' – 10"	1,433	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	66	18"	39' – 9"	1,752	108	9"	4' – 0"	289	54	9"	4' – 7"	165	9' – 3"	334	21' – 6"	57	46	128	1.333	374.6	1.6	185	54.9	15,168
3	10' – 0"	4' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	108	#6	9"	10' – 4"	1,676	8' – 10"	1,433	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	95	18"	39' – 9"	2,523	108	9"	4' – 0"	289	108	9"	4' – 7"	331	9' – 3"	667	32' – 1"	86	68	189	1.942	539.8	2.4	275	80.1	21,865
4	10' – 0"	4' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	108	#6	9"	10' – 4"	1,676	8' – 10"	1,433	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	124	18"	39' – 9"	3,293	108	9"	4' – 0"	289	162	9"	4' – 7"	496	9' – 3"	1,001	42' – 8"	114	88	245	2.551	704.9	3.2	359	105.2	28,553
5	10' – 0"	4' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	108	#6	9"	10' – 4"	1,676	8' – 10"	1,433	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	153	18"	39' – 9"	4,063	108	9"	4' – 0"	289	216	9"	4' – 7"	661	9' – 3"	1,335	53' – 3"	142	110	306	3.160	870.0	3.9	448	130.3	35,248
6	10' – 0"	4' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	108	#6	9"	10' – 4"	1,676	8' – 10"	1,433	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	182	18"	39' – 9"	4,833	108	9"	4' – 0"	289	270	9"	4' – 7"	827	9' – 3"	1,668	65' – 6"	175	130	362	3.770	1,050.3	4.7	537	155.5	42,550
2	10' – 0"	5' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	108	#6	9"	11' – 4"	1,838	8' – 10"	1,433	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	72	18"	39' – 9"	1,912	108	9"	5' – 0"	361	54	9"	4' – 7"	165	11' – 3"	406	21' – 6"	57	46	128	1.398	386.2	1.6	185	57.5	15,634
3	10' – 0"	5' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	108	#6	9"	11' – 4"	1,838	8' – 10"	1,433	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	103	18"	39' – 9"	2,735	108	9"	5' – 0"	361	108	9"	4' – 7"	331	11' – 3"	812	32' – 1"	86	68	189	2.029	554.5	2.4	275	83.5	22,456
4	10' – 0"	5' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	108	#6	9"	11' – 4"	1,838	8' – 10"	1,433	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	134	18"	39' – 9"	3,558	108	9"	5' – 0"	361	162	9"	4' – 7"	496	11' – 3"	1,217	42' – 8"	114	88	245	2.659	722.7	3.2	359	109.5	29,268
5	10' – 0"	5' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	108	#6	9"	11' – 4"	1,838	8' – 10"	1,433	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	165	18"	39' – 9"	4,381	108	9"	5' – 0"	361	216	9"	4' – 7"	661	11' – 3"	1,623	53' – 3"	142	110	306	3.290	891.0	3.9	448	135.5	36,088
6	10' – 0"	5' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	108	#6	9"	11' – 4"	1,838	8' – 10"	1,433	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	196	18"	39' – 9"	5,204	108	9"	5' – 0"	361	270	9"	4' – 7"	827	11' – 3"	2,029	65' – 6"	175	130	362	3.921	1,074.5	4.7	537	161.6	43,516
2	10' – 0"	6' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	108	#6	9"	12' – 4"	2,001	8' – 10"	1,433	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	78	18"	39' – 9"	2,071	108	9"	6' – 0"	433	54	9"	4' – 7"	165	13' – 3"	478	21' – 6"	57	46	128	1.463	397.9	1.6	185	60.1	16,100
3	10' – 0"	6' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	108	#6	9"	12' – 4"	2,001	8' – 10"	1,433	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	111	18"	39' – 9"	2,947	108	9"	6' – 0"	433	108	9"	4' – 7"	331	13' – 3"	956	32' – 1"	86	68	189	2.115	569.3	2.4	275	87.0	23,047
4	10' – 0"	6' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	108	#6	9"	12' – 4"	2,001	8' – 10"	1,433	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	144	18"	39' – 9"	3,824	108	9"	6' – 0"	433	162	9"	4' – 7"	496	13' – 3"	1,434	42' – 8"	114	88	245	2.767	740.7	3.2	359	113.8	29,986
5	10' – 0"	6' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	108	#6	9"	12' – 4"	2,001	8' – 10"	1,433	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	177	18"	39' – 9"	4,700	108	9"	6' – 0"	433	216	9"	4' – 7"	661	13' – 3"	1,912	53' – 3"	142	110	306	3.420	912.1	3.9	448	140.7	36,931
6	10' – 0"	6' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	108	#6	9"	12' – 4"	2,001	8' – 10"	1,433	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	210	18"	39' – 9"	5,576	108	9"	6' – 0"	433	270	9"	4' – 7"	827	13' – 3"	2,390	65' – 6"	175	130	362	4.072	1,098.7	4.7	537	167.6	44,484
2	10' – 0"	7' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	108	#6	9"	13' – 4"	2,163	8' – 10"	1,433	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	78	18"	39' – 9"	2,071	108	9"	7' – 0"	505	54	9"	4' – 7"	165	15' – 3"	550	21' – 6"	57	46	128	1.528	405.5	1.6	185	62.7	16,406
3	10' – 0"	7' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	108	#6	9"	13' – 4"	2,163	8' – 10"	1,433	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	111	18"	39' – 9"	2,947	108	9"	7' – 0"	505	108	9"	4' – 7"	331	15' – 3"	1,100	32' – 1"	86	68	189	2.202	578.8	2.4	275	90.5	23,425
4	10' – 0"	7' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	108	#6	9"	13' – 4"	2,163	8' – 10"	1,433	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	144	18"	39' – 9"	3,824	108	9"	7' – 0"	505	162	9"	4' – 7"	496	15' – 3"	1,650	42' – 8"	114	88	245	2.876	751.9	3.2	359	118.2	30,436
5	10' – 0"	7' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	108	#6	9"	13' – 4"	2,163	8' – 10"	1,433	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	177	18"	39' – 9"	4,700	108	9"	7' – 0"	505	216	9"	4' – 7"	661	15' – 3"	2,200	53' – 3"	142	110	306	3.549	925.1	3.9	448	145.9	37,453
6	10' – 0"	7' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	108	#6	9"	13' – 4"	2,163	8' – 10"	1,433	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	210	18"	39' – 9"	5,576	108	9"	7' – 0"	505	270	9"	4' – 7"	827	15' – 3"	2,750	65' – 6"	175	130	362	4.223	1,113.5	4.7	537	173.7	45,078
2	10' – 0"	8' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	108	#6	9"	14' – 4"	2,325	8' – 10"	1,433	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	84	18"	39' – 9"	2,230	108	9"	8' – 0"	577	54	9"	4' – 7"	165	17' – 3"	622	21' – 6"	57	46	128	1.593	417.2	1.6	185	65.3	16,871
3	10' – 0"	8' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	108	#6	9"	14' – 4"	2,325	8' – 10"	1,433	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	119	18"	39' – 9"	3,160	108	9"	8' – 0"	577	108	9"	4' – 7"	331	17' – 3"	1,244	32' – 1"	86	68	189	2.288	593.5	2.4	275	93.9	24,016
4	10' – 0"	8' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	108	#6	9"	14' – 4"	2,325	8' – 10"	1,433	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	154	18"	39' – 9"	4,089	108	9"	8' – 0"	577	162	9"	4' – 7"	496	17' – 3"	1,867	42' – 8"	114	88	245	2.984	769.8	3.2	359	122.5	31,152
5	10' – 0"	8' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	108	#6	9"	14' – 4"	2,325	8' – 10"	1,433	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	189	18"	39' – 9"	5,019	108	9"	8' – 0"	577	216	9"	4' – 7"	661	17' – 3"	2,489	53' – 3"	142	110	306	3.679	946.2	3.9	448	151.1	38,295
6	10' – 0"	8' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	108	#6	9"	14' – 4"	2,325	8' – 10"	1,433	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	224	18"	39' – 9"	5,948	108	9"	8' – 0"	577	270	9"	4' – 7"	827	17' – 3"	3,111	65' – 6"	175	130	362	4.374	1,137.7	4.7	537	179.7	46,045
2	10' – 0"	9' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	162	#6	6"	15' – 4"	3,731	8' – 10"	2,149	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	90	18"	39' – 9"	2,390	108	9"	9' – 0"	649	54	9"	4' – 7"	165	19' – 3"	694	21' – 6"	57	46	128	1.657	477.8	1.6	185	67.9	19,297
3	10' – 0"	9' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	162	#6	6"	15' – 4"	3,731	8' – 10"	2,149	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	127	18"	39' – 9"	3,372	108	9"	9' – 0"	649	108	9"	4' – 7"	331	19' – 3"	1,389	32' – 1"	86	68	189	2.374	657.3	2.4	275	97.3	26,567
4	10' – 0"	9' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	162	#6	6"	15' – 4"	3,731	8' – 10"	2,149	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	164	18"	39' – 9"	4,355	108	9"	9' – 0"	649	162	9"	4' – 7"	496	19' – 3"	2,083	42' – 8"	114	88	245	3.092	836.7	3.2	359	126.8	33,828
5	10' – 0"	9' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	162	#6	6"	15' – 4"	3,731	8' – 10"	2,149	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	201	18"	39' – 9"	5,337	108	9"	9' – 0"	649	216	9"	4' – 7"	661	19' – 3"	2,778	53' – 3"	142	110	306	3.809	1,016.2	3.9	448	156.3	41,096
6	10' – 0"	9' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	162	#6	6"	15' – 4"	3,731	8' – 10"	2,149	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	238	18"	39' – 9"	6,320	108	9"	9' – 0"	649	270	9"	4' – 7"	827	19' – 3"	3,472	65' – 6"	175	130	362	4.526	1,210.9	4.7	537	185.8	48,972
2	10' – 0"	10' – 0"	8"	7"	162	#6	6"	21' – 6"	5,231	162	#6	6"	16' – 4"	3,974	8' – 10"	2,149	162	#6	6"	15' – 4"	3,731	14	18"	39' – 9"	372	90	18"	39' – 9"	2,390	108	9"	10' – 0"	721	54	9"	4' – 7"	165	21' – 3"	767	21' – 6"	57	46	128	1.722	487.5	1.6	185	70.5	19,685
3	10' – 0"	10' – 0"	8"	7"	162	#6	6"	32' – 1"	7,807	162	#6	6"	16' – 4"	3,974	8' – 10"	2,149	162	#6	6"	25' – 11"	6,306	21	18"	39' – 9"	558	127	18"	39' – 9"	3,372	108	9"	10' – 0"	721	108	9"	4' – 7"	331	21' – 3"	1,533	32' – 1"	86	68	189	2.461	668.8	2.4	275	100.8	27,026
4	10' – 0"	10' – 0"	8"	7"	162	#6	6"	42' – 8"	10,382	162	#6	6"	16' – 4"	3,974	8' – 10"	2,149	162	#6	6"	36' – 6"	8,881	28	18"	39' – 9"	743	164	18"	39' – 9"	4,355	108	9"	10' – 0"	721	162	9"	4' – 7"	496	21' – 3"	2,300	42' – 8"	114	88	245	3.200	850.0	3.2	359	131.2	34,360
5	10' – 0"	10' – 0"	8"	7"	162	#6	6"	53' – 3"	12,957	162	#6	6"	16' – 4"	3,974	8' – 10"	2,149	162	#6	6"	47' – 1"	11,457	35	18"	39' – 9"	929	201	18"	39' – 9"	5,337	108	9"	10' – 0"	721	216	9"	4' – 7"	661	21' – 3"	3,066	53' – 3"	142	110	306	3.938	1,031.3	3.9	448	161.5	41,699
6	10' – 0"	10' – 0"	8"	7"	162	#6	6"	66' – 4"	16,140	162	#6	6"	16' – 4"	3,974	8' – 10"	2,149	162	#6	6"	57' – 8"	14,032	42	18"	39' – 9"	1,115	238	18"	39' – 9"	6,320	108	9"	10' – 0"	721	270	9"	4' – 7"	827	21' – 3"	3,833	65' – 6"	175	130	362	4.677	1,227.8	4.7	537	191.8	49,648

(5) Bar lengths over 60' include one bar lap; refer to MATERIAL NOTES for minimum lap lengths.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

MULTIPLE BOX CULVERTS CAST-IN-PLACE

10'-0" SPAN

0' TO 7' FILL

MC-10-7

FILE: mc107ste-20.dgn	DN: TBE	CK: BMP	DW: TxDOT	CK: TxDOT
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REVISIONS				
	DIST	COUNTY		SHEET NO.
				264

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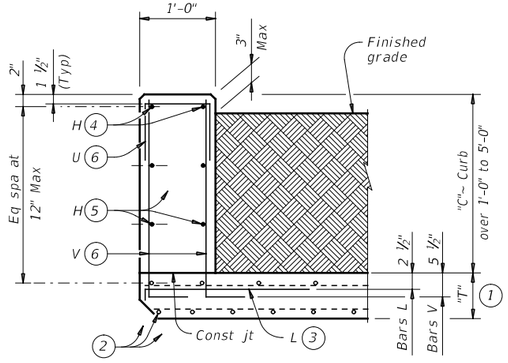
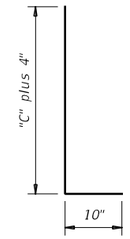
DATE:
FILE:

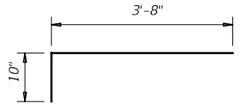


TYPICAL SECTION

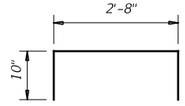
Used for curbs over 1'–0" to 5'–0"



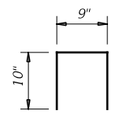
BARS V (#5) (6)
Spaced at 12" Max



BARS L (#5) (3)
Spaced at 12" Max



OPTIONAL BARS L (#5) (3) (7)
Spaced at 12" Max



BARS U (#4) (6)
Spaced at 12" Max

(1) "T" is equal to the culvert top slab thickness. For precast boxes with slabs less than 8" thick, see SCP-MD standard for additional details.

(2) Adjust normal culvert slab bars as necessary to clear obstructions.

(3) Place bars L as shown. Tilt hook as necessary to maintain cover.

(4) Place normal culvert curb bars H(#4) as shown. Adjust as necessary to clear obstructions.

(5) Additional bars H(#4) as required to maintain 12" Max spacing.

(6) Replace normal culvert curb bars K with one bar U and two bars V as shown spaced at 12" Max. Adjust length of bars V as necessary to maintain clear cover.

(7) Optional bars L are to be used only for precast box culverts with 3'–0" closure pour.

(8) Quantities shown are for Contractor's information only. Quantities are per linear foot of curb length. The value in table can be interpolated for intermediate values of curb height, "C". Quantity includes bars K (when applicable).

TABLE OF ESTIMATED CURB QUANTITIES (8)

Curb Height "C"	Conc (CY/LF)	Reinf Steel (Lb/LF)
1'–0"	0.037	10.4
1'–6"	0.056	14.5
2'–0"	0.074	15.6
2'–6"	0.093	18.0
3'–0"	0.111	19.0
3'–6"	0.130	21.3
4'–0"	0.148	22.4
4'–6"	0.167	24.8
5'–0"	0.185	25.9

CONSTRUCTION NOTES:

Adjust reinforcing steel as necessary to provide 1 ¼" cover.

For vehicle safety, top of the curb must not project more than 3" above the finished grade.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.

Provide galvanized reinforcing steel if required elsewhere in the plans.

Provide Class "C" concrete (f'c = 3,600 psi) minimum for curbs.

Provide bar laps, where required, as follows:

- Uncoated or galvanized ~ #4 = 1'–8" Min

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.

These extended curb details have sufficient strength to allow for future retrofit of Type T631 or T631LS railing. These details are suitable for use with PR11, PR22 and PR3 type rails. These details are not suitable for the mounting of other rail types. For new construction using T631 or T631LS railing, use the T631-CM standard.

This Curb is considered as part of the Box Culvert for payment.

Cover dimensions are clear dimensions, unless noted otherwise.

Reinforcing bar dimensions shown are out-to-out of bar.

Texas Department of Transportation

Bridge Division Standard

EXTENDED CURB DETAILS

FOR BOX CULVERTS WITH CURBS OVER 1'-0" TO 5'-0" TALL

ECD

FILE: ecdstde1-20.dgn	DN: GAF	CK: TxDOT	DW: TxDOT	CK: GAF
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				265

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Culvert Station and/or Creek Name followed by applicable end (Lt, Rt or Both)	Description of Box Culvert No. Spans ~ Span X Height	Max Fill Height (Ft)	Applicable Box Culvert Standard (4)	Applicable Wingwall or End Treatment Standard	Skew Angle (0°,15°, 30° or 45°)	Side Slope or Channel Slope Ratio (SL:1)	T Culvert Top Slab Thickness (In)	U Culvert Wall Thickness (In)	C Estimated Curb Height (Ft)	Hw (1) Height of Wingwall (Ft)	A Curb to End of Wingwall (Ft)	B Offset of End of Wingwall (Ft)	Lw Length of Longest Wingwall (Ft)	Ltw Culvert Toewall Length (Ft)	Atw Anchor Toewall Length (Ft)	Riprap Apron (CY)	Class (2) "C" Conc (Curb) (CY)	Class (3) "C" Conc (Wingwall) (CY)	Total Wingwall Area (SF)
CLV 1 STA 44+85 (Lt)	4 ~ 7'x 4'	1'	SCP-7	PW-1	30°	3:1	8"	8"	0.500'	5.167'	N/A	N/A	17.898'	40.222'	N/A	0.0	0.7	15.0	185
CLV 1 STA 44+85 (Rt)	4 ~ 7'x 4'	1'	SCP-7	FW-S	30°	6:1	8"	8"	0.500'	4.917'	27.500'	27.500'	38.891'	N/A	N/A	22.5	0.7	11.4	174
CLV 2 STA 86+10 (Lt)	4 ~ 7'x 4'	2'	SCP-7	PW-1	45°	3:1	8"	8"	1.000'	5.667'	N/A	N/A	24.042'	49.262'	N/A	0.0	1.8	21.4	272
CLV 2 STA 86+10 (Rt)	4 ~ 7'x 4'	2'	SCP-7	FW-S	45°	6:1	8"	8"	0.500'	4.917'	27.500'	47.631'	55.000'	N/A	N/A	30.8	0.9	14.1	217
CLV 3 STA 92+50 (Lt)	2 ~ 5'x 3'	1'	SCP-5	PW-1	15°	6:1	8"	6"	0.500'	4.167'	N/A	N/A	25.882'	12.941'	N/A	0.0	0.2	15.6	216
CLV 3 STA 92+50 (Rt)	2 ~ 5'x 3'	1'	SCP-5	FW-S	15°	6:1	8"	6"	1.000'	4.417'	24.500'	14.145'	28.290'	N/A	N/A	6.8	0.5	8.7	125
CLV 5 STA 118+33 (Lt)	4 ~10'x 4'	5'	SCP-10	PW-1	15°	3:1	10"	10"	2.000'	6.833'	N/A	N/A	21.223'	49.866'	N/A	0.0	3.7	23.0	290
CLV 5 STA 118+33 (Rt)	4 ~10'x 4'	5'	SCP-10	FW-S	15°	6:1	10"	10"	3.000'	7.583'	43.500'	25.115'	50.229'	N/A	N/A	40.0	5.5	22.8	371
CLV 6A CR 289 STA 14+84.15 (Lt)	2 ~ 5'x 2'	1'	SCP-5	PW-1	30°	3:1	8"	6"	1.000'	3.667'	N/A	N/A	12.702'	14.434'	N/A	0.0	0.5	7.8	93
CLV 6A CR 289 STA 14+84.15 (Rt)	2 ~ 5'x 2'	1'	SCP-5	PW-1	30°	3:1	8"	6"	0.500'	3.167'	N/A	N/A	10.970'	14.434'	N/A	0.0	0.3	6.1	69
CLV 6B STA 143+65 (Lt)	2 ~ 5'x 3'	2'	SCP-5	PW-1	45°	3:1	6"	6"	0.500'	4.000'	N/A	N/A	16.971'	17.678'	N/A	0.0	0.3	10.3	136
CLV 6B STA 143+65 (Rt)	2 ~ 5'x 3'	2'	SCP-5	PW-1	45°	3:1	6"	6"	0.500'	4.000'	N/A	N/A	16.971'	17.678'	N/A	0.0	0.3	10.3	136
CLV 7 STA 151+00 (Lt)	1 ~ 5'x 3'	1'	SCP-5	SETB-CD	0°	4:1	8"	6"	0.500'	3.917'	N/A	N/A	14.333'	N/A	6.167'	0.0	0.1	3.4	N/A
CLV 7 STA 151+00 (Rt)	1 ~ 5'x 3'	1'	SCP-5	SETB-CD	0°	6:1	8"	6"	0.500'	3.917'	N/A	N/A	21.500'	N/A	6.167'	0.0	0.1	5.0	N/A
CLV 8 STA 157+50 (Lt)	1 ~ 4'x 2'	2'	SCP-4	FW-S	30°	6:1	5"	5"	0.500'	2.667'	14.000'	14.000'	19.799'	N/A	N/A	2.5	0.1	4.4	51
CLV 8 STA 157+50 (Rt)	1 ~ 4'x 2'	2'	SCP-4	FW-S	30°	6:1	5"	5"	0.500'	2.667'	14.000'	14.000'	19.799'	N/A	N/A	2.5	0.1	4.4	51
CLV 2B DANIEL MOUNTAIN RD (Lt)	4 ~ 7'x 4'	1'	SCP-7	PW-1	0°	2:1	8"	8"	2.000'	6.667'	N/A	N/A	13.333'	34.833'	N/A	0.0	2.6	14.8	178
CLV 2B DANIEL MOUNTAIN RD (Rt)	4 ~ 7'x 4'	1'	SCP-7	PW-1	0°	3:1	8"	8"	0.500'	5.167'	N/A	N/A	15.500'	34.833'	N/A	0.0	0.6	13.0	160
LINE 1A3 (Both)	2 ~ 4'x 3'	1'	SCP-4	SETB-PD	0°	6:1	7.5"	5"	0.500'	3.875'	N/A	N/A	21.750'	N/A	10.500'	0.0	0.4	16.2	N/A
LINE 1A5 (Both)	2 ~ 5'x 3'	1'	SCP-5	SETB-PD	0°	6:1	8"	6"	0.500'	3.917'	N/A	N/A	22.000'	N/A	12.667'	0.0	0.4	18.6	N/A
LINE 1B3 - LT (Lt)	1 ~ 3'x 2'	1'	SCP-3	SETB-CD	0°	3:1	7"	4"	0.500'	2.833'	N/A	N/A	7.500'	N/A	4.167'	0.0	0.1	1.3	N/A
LINE 2A7 (Both)	1 ~ 3'x 2'	1'	SCP-3	SETB-PD	0°	6:1	7"	4"	0.500'	2.833'	N/A	N/A	15.500'	N/A	4.167'	0.0	0.2	5.0	N/A
LINE 2A9 (Both)	1 ~ 3'x 2'	1'	SCP-3	SETB-PD	0°	6:1	7"	4"	0.500'	2.833'	N/A	N/A	15.500'	N/A	4.167'	0.0	0.2	5.0	N/A
LINE 5B3 - LT (Lt)	1 ~ 4'x 2'	1'	SCP-4	SETB-CD	0°	3:1	7.5"	5"	0.500'	2.875'	N/A	N/A	7.625'	N/A	5.167'	0.0	0.1	1.5	N/A
LINE 1B3 - RT (Rt)	1 ~ 3'x 2'	1'	SCP-3	SETB-PD	0°	6:1	7"	4"	0.500'	2.833'	N/A	N/A	15.500'	N/A	4.167'	0.0	0.1	2.5	N/A
LINE 5B3 - RT (Rt)	1 ~ 4'x 2'	1'	SCP-4	SETB-PD	0°	6:1	7.5"	5"	0.500'	2.875'	N/A	N/A	15.750'	N/A	5.167'	0.0	0.1	2.9	N/A

NOTES:
Skew = 0° on SW-0, FW-0, SETB-CD, SETB-SW-0, and SETB-FW-0 standard sheets;
30° maximum for safety end treatment

SL:1 = Horizontal : 1 Vertical
- Side slope at culvert for flared or straight wingwalls.
- Channel slope for parallel wingwalls.
- Slope must be 3:1 or flatter for safety end treatments.

T = Box culvert top slab thickness. Dimension can be found on the applicable box culvert standard sheet.

U = Box culvert wall thickness. Dimension can be found on the applicable box culvert standard sheet.

C = Curb height

See applicable wing or end treatment standard sheets for calculations of Hw, A, B, Lw, Ltw, Atw, and Total Wingwall Area.

Hw = Height of wingwall

A = Distance from face of curb to end of wingwall (not applicable to parallel or straight wingwalls)

B = Offset of end of wingwall (not applicable to parallel or straight wingwalls)

Lw = Length of longest wingwall.

Ltw = Length of culvert toewall (not applicable when using riprap apron)

Atw = Length of anchor toewall (applicable to safety end treatment only)
Total Wingwall Area = Wingwall area in sq. ft. for two wingwalls (one structure end) if Lt or Rt.
Area for four wingwalls (two structure ends) if Both.

(1) Round the wall heights shown to the nearest foot for bidding purposes.

(2) Concrete volume shown is for box culvert curb only. For curbs using the Box Culvert Rail Mounting Details (RAC) standard sheet quantities shown must be increased by a factor of 2.25. If Class S concrete is required for the top slab of the culvert, also provide Class S concrete for the curb. Curb concrete is considered part of the Box Culvert for payment.

(3) Concrete volume shown is total of wings, footings, culvert toewall (if any), anchor toewalls (if any) and wingwall toewalls. Riprap aprons, culverts, and curb quantities are not included.

(4) Regardless of the type of culvert shown on this sheet, the Contractor has the option of furnishing cast-in-place or precast culverts unless otherwise shown elsewhere on the plans. If the Contractor elects to provide culverts of a different type than those shown on this sheet, it is the Contractor's responsibility to make the necessary adjustments to the dimensions and quantities shown.

SPECIAL NOTE:

This sheet is a supplement to the box culvert standards. It is to be filled out by the culvert specifier and provides dimensions for the construction of the box culvert wingwalls and safety end treatments.

An Excel 2010 spreadsheet to assist in completing this table can be downloaded from the Bridge Standards (English) web page on the TxDOT web site. The completed sheet must be signed, sealed, and dated by a licensed Professional Engineer.

STATE OF TEXAS
CLAY E. GANN
88491
LICENSED PROFESSIONAL ENGINEER

Clay E Gann 10/25/202

Texas Department of Transportation

Bridge Division Standard

BOX CULVERT SUPPLEMENT
WINGS AND END TREATMENTS

BCS

FILE:	bcsstde1-20.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT	February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS					
		DIST	COUNTY		SHEET NO.
					266

DATE:
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DATE:
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TABLE OF DIMENSIONS AND REINFORCING STEEL
(Wings for one structure end)

Dimensions					Variable Reinforcing				Estimated Quantities per ft of wing length (2~wings) (3)	
					Bars J1		Bars J2			
Maximum Wingwall Height Hw	W	X	Y	Z	Size	Spa	Size	Spa	Reinf Lb/Ft)	Conc (CY/Ft)
2'-6"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	33.73	0.248
3'-0"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	37.07	0.261
3'-6"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	37.74	0.273
4'-0"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	38.41	0.285
4'-6"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	41.75	0.330
5'-0"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	45.09	0.343
5'-6"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	45.75	0.355
6'-0"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	46.42	0.367
7'-0"	3'-8"	1'-9"	1'-3"	7"	#4	1'-0"	#4	1'-0"	52.77	0.414
8'-0"	4'-2"	2'-0"	1'-6"	8"	#5	1'-0"	#4	1'-0"	60.19	0.486
9'-0"	4'-8"	2'-3"	1'-9"	8"	#4	6"	#4	6"	81.49	0.535
10'-0"	5'-2"	2'-6"	2'-0"	8"	#5	6"	#4	6"	97.25	0.584
11'-0"	5'-8"	2'-9"	2'-3"	8"	#6	6"	#5	6"	133.65	0.634
12'-0"	6'-2"	3'-0"	2'-6"	9"	#7	6"	#5	6"	162.29	0.721
13'-0"	6'-8"	3'-3"	2'-9"	11"	#7	6"	#5	6"	178.80	0.856
14'-0"	7'-2"	3'-6"	3'-0"	1'-0"	#8	6"	#5	6"	216.78	0.959
15'-0"	7'-8"	4'-0"	3'-0"	1'-1"	#9	6"	#6	6"	283.06	1.068
16'-0"	8'-2"	4'-6"	3'-0"	1'-3"	#9	6"	#6	6"	297.02	1.234

TABLE OF WINGWALL REINFORCING
(2~wings)

Bar	Size	No.	Spa
D	#5	~	1'-0"
E	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	4	~
M	#4	4	~
P	#4	~	1'-0"
R	#5	6	~
V	#4	~	1'-0"

TABLE OF ESTIMATED CULVERT TOEWALL QUANTITIES

Bar	Size	No.	Spa
L	#4	~	1'-6"
Q	#4	1	~
Reinf (Lb/Ft)			2.45
Conc (CY/Ft)			0.037

WING DIMENSION FORMULAS:

(All values are in feet.)

Hw = H + T + C - 0.250'
Lw = (Hw - 0.333') (SL)

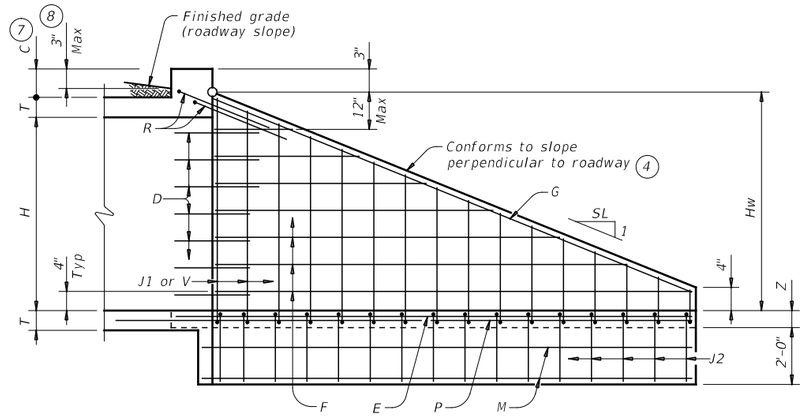
For cast-in-place culverts:
Ltw = (N) (S) + (N + 1) (U)

For precast culverts:
Ltw = (N) (2U + S) + (N - 1) (0.5')

Total Wingwall Area (two wings ~ SF) = (Hw + 0.333') (Lw)

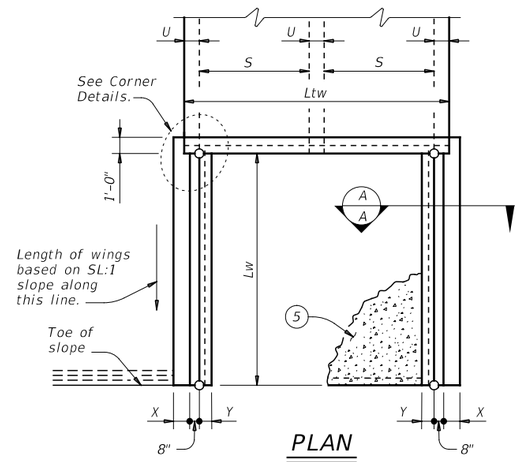
Hw = Height of wingwall
SL:1 = Side slope ratio (horizontal:1 vertical)
Lw = Length of wingwall
Ltw = Culvert toewall length
N = Number of culvert spans

See applicable box culvert standard sheet for H, S, T, and U values.



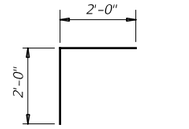
INSIDE ELEVATION

(Showing reinforcing. Culvert and culvert toewall reinforcing not shown for clarity.)

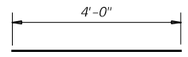


PLAN

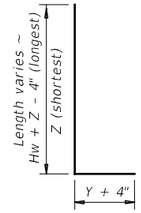
(Showing dimensions.)



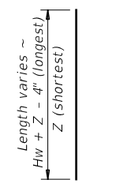
BARS R



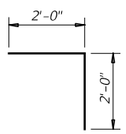
BARS D



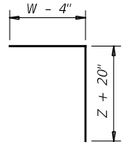
BARS J1



BARS V



BARS L



BARS J2

(1) Extend Bars P 3'-0" minimum into bottom slab of box culvert.

(2) Adjust as necessary to maintain 1 1#2" clear cover and 4" minimum between bars.

(3) Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings, multiply the tabulated values by Lw.

(4) Recommended values of side slope are: 2:1, 3:1, 4:1, and 6:1.

(5) When shown elsewhere on the plans, construct 5" deep concrete riprap. Payment for riprap is as required by Item 432, "Riprap." Unless otherwise shown on the plans or directed by the Engineer, provide a 6" wide by 1'-6" deep reinforced concrete toewall along all edges of the riprap adjacent to natural ground; reinforce the toewall by extending typical riprap reinforcing into the toewall; and extend construction joints or grooved joints oriented in the direction of flow across the full distance of the riprap at intervals of approximately 20'. When such riprap is provided, the culvert toewall shown in SECTION B-B will not be required.

(6) At Contractor's option, culvert toewall may be ended flush with wingwall toewall. Adjust reinforcing as needed.

(7) 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0, refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Box Culvert Rail Mounting Details (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.

(8) For vehicle safety, the following requirements must be met:
- For structures without bridge rail, construct curbs no more than 3" above finished grade.
- For structures with bridge rail, construct curbs flush with finished grade.

Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

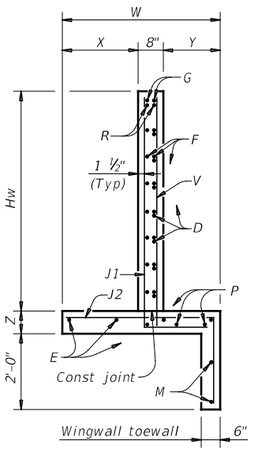
MATERIAL NOTES:

Provide Class C concrete (f'c=3,600 psi).
Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
In riprap concrete, synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing unless noted otherwise.

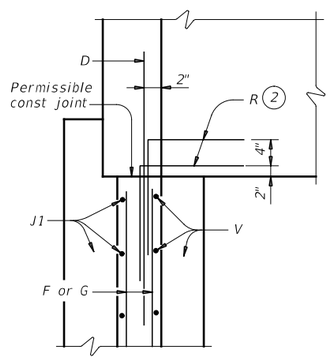
GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.
See Box Culvert Supplement (BCS) standard sheet for additional dimensions and information.
The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.

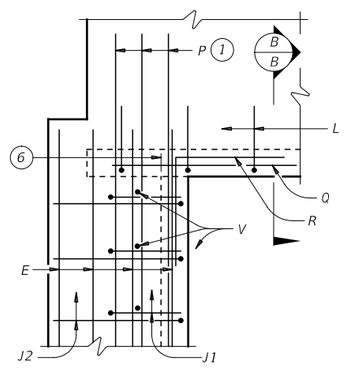
Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing dimensions are out-to-out of bars.



SECTION A-A

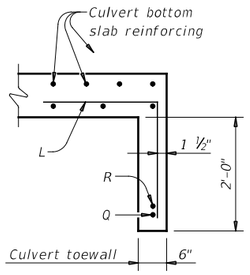


WINGWALL



FOOTING AND TOEWALL

CORNER DETAILS



SECTION B-B (5)

Texas Department of Transportation

Bridge Division Standard

CONCRETE WINGWALLS
WITH STRAIGHT WINGS FOR 0° SKEW BOX CULVERTS

SW-0

FILE: CD-SW0-20.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: TxDOT
©TxDOT February 2020 REVISIONS	CONT	SECT	JOB	HIGHWAY
	DIST	COUNTY		SHEET NO.
				267

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TABLE OF DIMENSIONS AND REINFORCING STEEL
(Wings for one structure end)

Dimensions					Variable Reinforcing				Estimated Quantities per ft of wing length (2~wings) (3)	
					Bars J1		Bars J2			
Maximum Wingwall Height Hw	W	X	Y	Z	Size	Spa	Size	Spa	Reinf (Lb/Ft)	Conc (CY/Ft)
2'-6"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	33.73	0.248
3'-0"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	37.07	0.261
3'-6"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	37.74	0.273
4'-0"	2'-5"	1'-0"	9"	7"	#4	1'-0"	#4	1'-0"	38.41	0.285
4'-6"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	41.75	0.330
5'-0"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	45.09	0.343
5'-6"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	45.75	0.355
6'-0"	3'-2"	1'-6"	1'-0"	7"	#4	1'-0"	#4	1'-0"	46.42	0.367
7'-0"	3'-8"	1'-9"	1'-3"	7"	#4	1'-0"	#4	1'-0"	52.77	0.414
8'-0"	4'-2"	2'-0"	1'-6"	8"	#5	1'-0"	#4	1'-0"	60.19	0.486
9'-0"	4'-8"	2'-3"	1'-9"	8"	#4	6"	#4	6"	81.49	0.535
10'-0"	5'-2"	2'-6"	2'-0"	8"	#5	6"	#4	6"	97.25	0.584
11'-0"	5'-8"	2'-9"	2'-3"	8"	#6	6"	#5	6"	133.65	0.634
12'-0"	6'-2"	3'-0"	2'-6"	9"	#7	6"	#5	6"	162.29	0.721
13'-0"	6'-8"	3'-3"	2'-9"	11"	#7	6"	#5	6"	178.80	0.856
14'-0"	7'-2"	3'-6"	3'-0"	1'-0"	#8	6"	#5	6"	216.78	0.959
15'-0"	7'-8"	4'-0"	3'-0"	1'-1"	#9	6"	#6	6"	283.06	1.068
16'-0"	8'-2"	4'-6"	3'-0"	1'-3"	#9	6"	#6	6"	297.02	1.234

TABLE OF WINGWALL REINFORCING
(2~wings)

Bar	Size	No.	Spa
DL	#5	~	1'-0"
DS	#5	~	1'-0"
E	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	4	~
M	#4	4	~
P	#4	~	1'-0"
RS	#5	3	~
RL	#5	3	~
V	#4	~	1'-0"

TABLE OF ESTIMATED CULVERT TOEWALL QUANTITIES

Bar	Size	No.	Spa
L	#4	~	1'-6"
Q	#4	1	~
Reinf (Lb/Ft)			2.45
Conc (CY/Ft)			0.037

WING DIMENSION FORMULAS:

(All values are in feet.)

Hw = H + T + C - 0.250'
A = (Hw - 0.333')(SL)
B = (A) [tanget (θ + 15°)]
Lw = (A) ÷ [cosine (θ + 15°)]

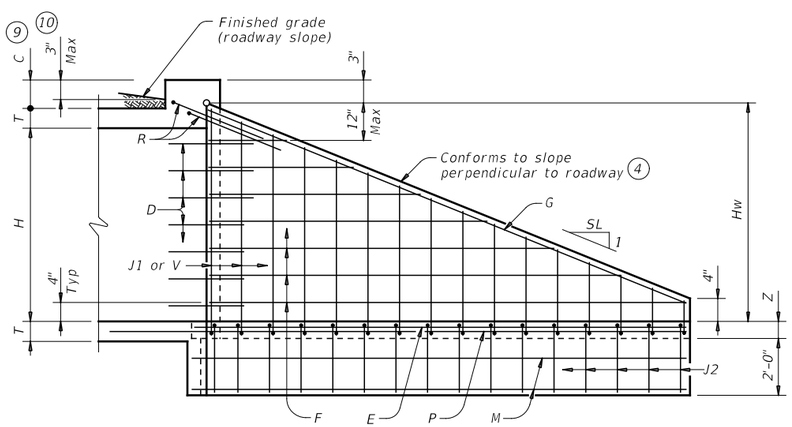
For cast-in-place culverts:
Ltw = [(N) (S) + (N + 1) (U)] ÷ cosine θ

For precast culverts:
Ltw = [(N) (2U + S) + (N - 1) (0.5')] ÷ cosine θ

Total wingwall area (two wings ~ SF) = 0.5 (Hw + 0.333') (Lw + A)

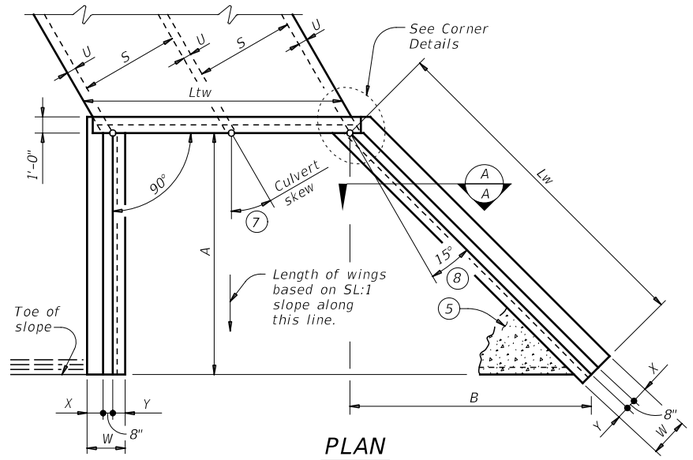
Hw = Height of wingwall
SL:1 = Side slope ratio (horizontal:1 vertical)
A = Length of short wingwalls
Lw = Length of long wingwall
Ltw = Culvert toewall length
N = Number of culvert spans
θ = Culvert skew

See applicable box culvert standard sheet for H, S, T, and U values.



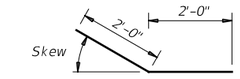
INSIDE ELEVATION

(Showing reinforcing. Culvert and culvert toewall reinforcing not shown for clarity.)

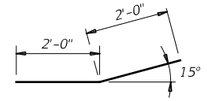


PLAN

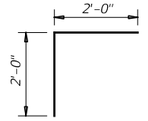
(Showing dimensions and 30° skew.)



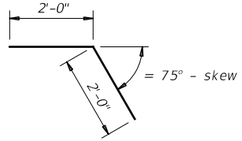
BARS DS
(Short wing)



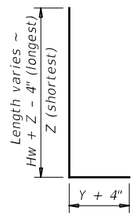
BARS DL
(Long wing)



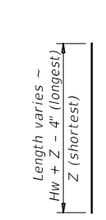
BARS RS
(Short wing)



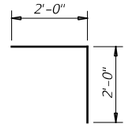
BARS RL
(Long wing)



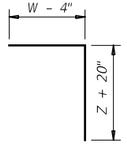
BARS J1



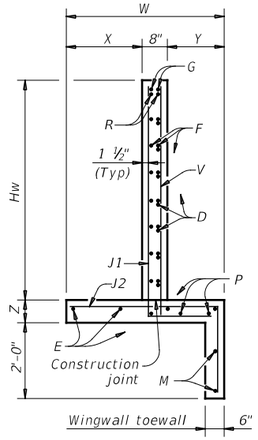
BARS V



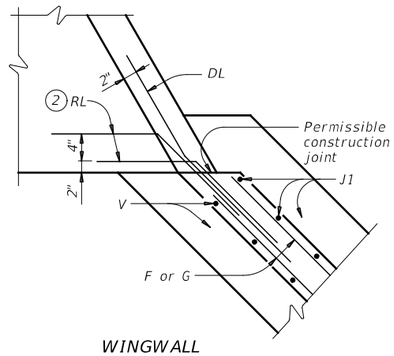
BARS L



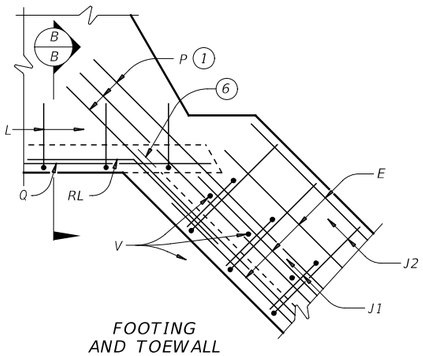
BARS J2



SECTION A-A



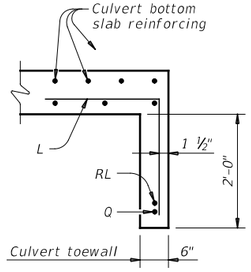
WINGWALL



FOOTING AND TOEWALL

CORNER DETAILS

(Culvert and culvert toewall reinforcing not shown for clarity.)



SECTION B-B 5

1. Extend Bars P 3'-0" minimum into bottom slab of box culvert.
2. Adjust as necessary to maintain 1 1#2" clear cover and 4" minimum between bars.
3. Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings, multiply the tabulated values by 0.5 x (A + Lw).
4. Recommended values of side slope are: 2:1, 3:1, 4:1, and 6:1.
5. When shown elsewhere on the plans, construct 5" deep concrete riprap. Payment for riprap is as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, provide a 6" wide by 1'-6" deep reinforced concrete toewall along all edges of the riprap adjacent to natural ground; reinforce the toewall by extending typical riprap reinforcing into the toewall; and extend construction joints or grooved joints oriented in the direction of flow across the full distance of the riprap at intervals of approximately 20'. When such riprap is provided, the culvert toewall shown in SECTION B-B will not be required.
6. At Contractor's option, culvert toewall may be ended flush with wingwall toewall. Adjust reinforcing as needed.
7. Applicable values of skew are: 15°, 30°, and 45°.
8. Typical wingwall angle for all skews.
9. 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0, refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Box Culvert Rail Mounting Details (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.
10. For vehicle safety, the following requirements must be met:
    - For structures without bridge rail, construct curbs no more than 3" above finished grade.
    - For structures with bridge rail, construct curbs flush with finished grade.

    Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

MATERIAL NOTES:

Provide Class C concrete (f'c=3,600 psi).
Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
In riprap concrete, synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.
See Box Culvert Supplement (BCS) standard sheet for additional dimensions and information.
The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

Texas Department of Transportation

Bridge Division Standard

CONCRETE WINGWALLS WITH FLARED WINGS FOR SKEWED BOX CULVERTS

FW-S

FILE: fw-sstde-20.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: TxDOT
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				268

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DATE:
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TABLE OF DIMENSIONS AND REINFORCING STEEL
(Wings for one structure end)

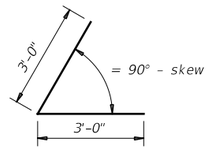
Dimensions					Variable Reinforcing				Estimated Quantities per ft of wing (2~wings) (4)		Estimated Quantities per ft of Toewall (1~toewall)	
					Bars J1		Bars J2					
Maximum Wingwall Height Hw	W	X	Y	Z	Size	Spa	Size	Spa	Reinf (Lb/Ft)	Conc (CY/Ft)	Reinf (Lb/Ft)	Conc (CY/Ft)
2'-6"	2'-10"	10"	1'-0"	7"	#4	1'-0"	#4	1'-0"	48.64	0.406	6.85	0.071
2'-9"	2'-10"	10"	1'-0"	7"	#4	1'-0"	#4	1'-0"	49.31	0.424	6.85	0.071
3'-0"	2'-10"	10"	1'-0"	7"	#4	1'-0"	#4	1'-0"	49.98	0.444	6.85	0.071
3'-3"	2'-10"	10"	1'-0"	7"	#4	1'-0"	#4	1'-0"	53.32	0.462	6.85	0.071
3'-6"	2'-10"	10"	1'-0"	7"	#4	1'-0"	#4	1'-0"	53.98	0.480	6.85	0.071
4'-0"	3'-2"	1'-2"	1'-0"	7"	#4	1'-0"	#4	1'-0"	55.77	0.532	6.85	0.071
4'-6"	3'-2"	1'-2"	1'-0"	7"	#4	1'-0"	#4	1'-0"	59.77	0.568	6.85	0.071
5'-0"	3'-9"	1'-7"	1'-2"	7"	#4	1'-0"	#4	1'-0"	63.45	0.632	6.96	0.075
5'-6"	3'-9"	1'-7"	1'-2"	7"	#4	1'-0"	#4	1'-0"	67.46	0.668	6.96	0.075
6'-0"	4'-4"	2'-0"	1'-4"	7"	#5	1'-0"	#5	1'-0"	80.67	0.730	7.07	0.078
6'-6"	4'-4"	2'-0"	1'-4"	7"	#5	1'-0"	#5	1'-0"	85.05	0.768	7.07	0.078
7'-0"	5'-0"	2'-3"	1'-9"	8"	#5	1'-0"	#5	1'-0"	92.15	0.864	8.07	0.093
7'-6"	5'-0"	2'-3"	1'-9"	8"	#5	1'-0"	#5	1'-0"	96.54	0.902	8.07	0.093
8'-0"	5'-6"	2'-8"	1'-10"	8"	#5	6"	#5	6"	139.04	0.962	8.13	0.095
8'-6"	5'-6"	2'-8"	1'-10"	8"	#5	6"	#5	6"	144.47	1.000	8.13	0.095
9'-6"	6'-0"	2'-10"	2'-2"	9"	#5	6"	#5	6"	156.93	1.136	8.41	0.110
10'-6"	6'-5"	3'-0"	2'-5"	9"	#6	6"	#5	6"	196.27	1.234	8.57	0.117
11'-6"	7'-2"	3'-6"	2'-8"	11"	#6	6"	#6	6"	230.13	1.438	9.52	0.140
12'-6"	7'-8"	3'-9"	2'-11"	1'-0"	#7	6"	#6	6"	283.41	1.592	9.74	0.157
13'-6"	8'-2"	4'-0"	3'-2"	1'-2"	#8	6"	#6	6"	348.72	1.804	10.02	0.186
14'-6"	8'-10"	4'-5"	3'-5"	1'-4"	#9	6"	#6	6"	432.94	2.046	10.30	0.218
15'-6"	9'-6"	4'-10"	3'-8"	1'-6"	#9	6"	#7	6"	489.52	2.302	11.24	0.253
16'-0"	9'-11"	5'-0"	3'-11"	1'-7"	#9	6"	#7	6"	505.72	2.448	11.47	0.279

TABLE OF WINGWALL REINFORCING
(2~wings)

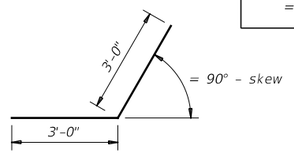
Bar	Size	No.	Spa
D1	#6	~	1'-0"
D2	#6	~	1'-0"
E1	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	~	8"
M1	#4	4	~
P	#4	~	1'-0"
V	#4	~	1'-0"

TABLE OF TOEWALL REINFORCING

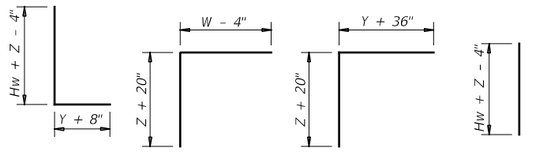
Bar	Size	No.	Spa
J3	#4	~	1'-0"
M2	#4	2	~
E2	#4	~	1'-0"



BARS D1



BARS D2



BARS J1 BARS J2 BARS J3 BARS V

WING DIMENSION FORMULAS:

(All values are in feet.)

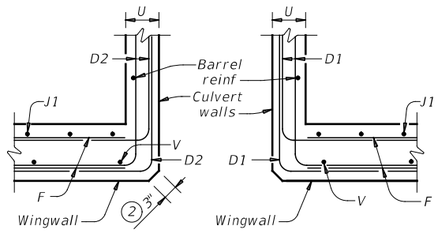
Hw = H + T + C
Lw = (Hw) (SL) ÷ cosine (θ) for Type PW-1
= (Hw - 1') (SL) ÷ cosine (θ) for Type PW-2 and Hw ≥ 4'
= (Hw - 0.5') (SL) ÷ cosine (θ) for Type PW-2 and Hw < 4'

For cast-in-place culverts:
Ltw = [(N) (S) + (N + 1) (U)] ÷ cosine (θ)

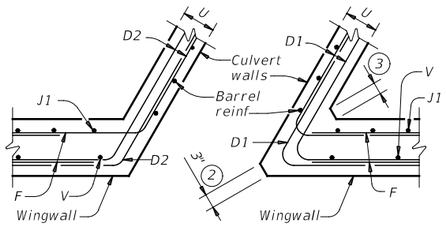
For precast culverts:
Ltw = [(N) (2 U + S) + (N - 1) (0.5')] ÷ cosine (θ)
Total Wingwall Area (two wings ~ SF)
= (2)(Hw)(Lw) for Type PW-1
= (2)(Hw)(Lw) - 6 SF for Type PW-2 and Hw ≥ 4'
= (2)(Hw)(Lw) - 1.5 SF for Type PW-2 and Hw < 4'

Hw = Height of wingwall
Lw = Length of wingwall
Ltw = Culvert toewall length
N = Number of culvert spans
SL:1 = Channel slope ratio. (horizontal: 1 vertical, usual value is 2:1)
θ = Culvert skew

See applicable box culvert standard sheet for S, H, T, and U values.



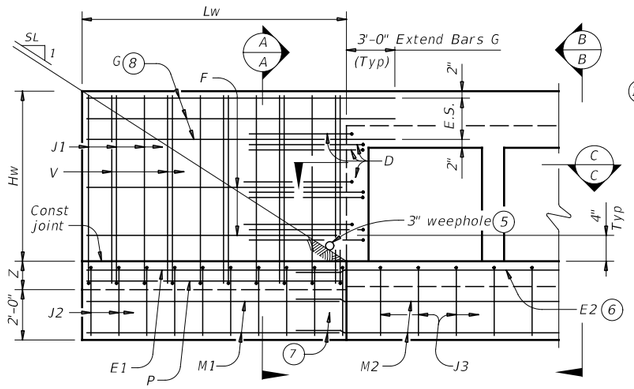
SECTION C-C - PW-1



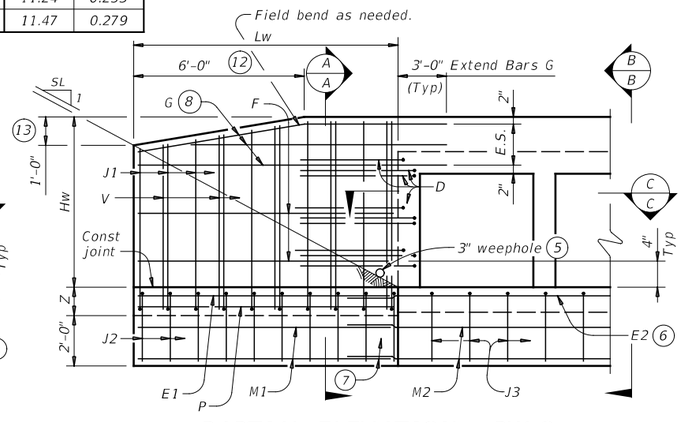
SECTION C-C - PW-2

1. Skew = 0°
2. At discharge end, chamfer may be ¾" minimum.
3. For 15° skew ~ 1"
   For 30° skew ~ 2"
   For 45° skew ~ 3"
4. Quantities shown are for two Type PW-1 wings. Adjust concrete volume for Type PW-2 wings. To determine estimated quantities for two wings, multiply the tabulated values by Lw. Quantities shown do not include weight of Bars D.
5. Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel.
6. Extend Bars E2 1'-6" minimum into the wingwall footing.
7. Lap Bars M1 1'-6" minimum with Bars M2.
8. Place Bars G as shown, equally spaced at 8" maximum. Provide at least two pairs of Bars G per wing.
9. 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0, refer to the Extended Curb Details (ECD) standard sheet. For structures with T631 or T631LS bridge rail, refer to the Mounting Details for T631 & T631LS Rails (T631-CM) standard sheet. Refer to the Box Culvert Rail Mounting Details (RAC) standard sheet for structures with bridge rail other than T631 or T631LS.
10. For vehicle safety, the following requirements must be met:
    - For structures without bridge rail, construct curbs no more than 3" above finished grade.
    - For structures with bridge rail, construct curbs flush with finished grade.

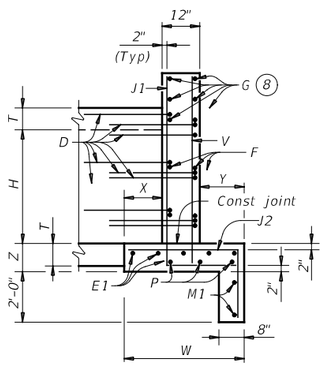
    Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
11. 1'-0" typical. 2'-3" when the Box Culvert Rail Mounting Details (RAC) standard sheet is referred to elswhere in the plans.
12. 3'-0" for Hw < 4'.
13. 6" for Hw < 4'.



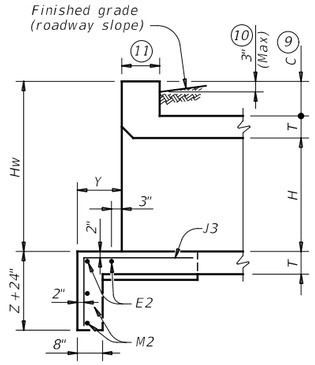
PARTIAL ELEVATION - PW-1



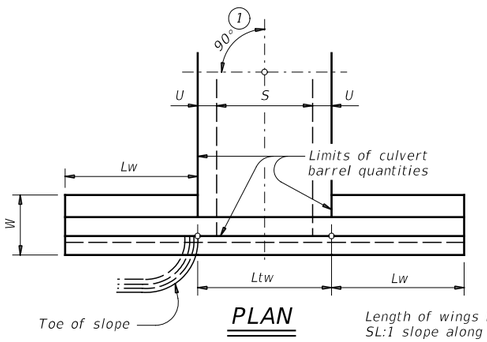
PARTIAL ELEVATION - PW-2



SECTION A-A
(Showing wing reinforcement.)

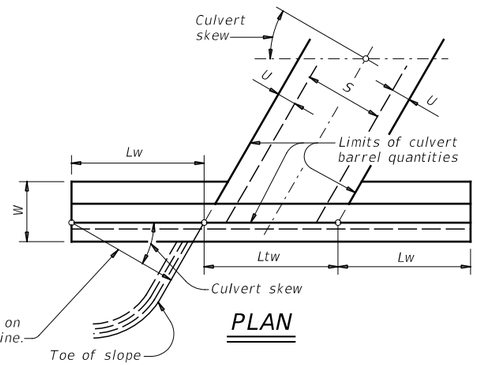


SECTION B-B
(Showing wing reinforcement.)



PLAN

DETAILS FOR NON-SKEWED BOX CULVERTS



PLAN

DETAILS FOR SKEWED BOX CULVERTS
(Showing 30° skew.)

DESIGNER NOTES:

Type PW-1 can be used for all applications and must be used if railing is to be mounted to the wingwall.
Type PW-2 can only be used for applications without a railing mounted to the wingwall.

MATERIAL NOTES:

Provide Class C concrete (f'c=3,600 psi).
Provide Grade 60 reinforcing steel.
Provide galvanized reinforing steel if required elsewhere in the plans.

GENERAL NOTES:

Designed in accordance with AASHTO LRFD Bridge Design Specifications.
Depth of toewalls for wingwalls and culverts may be reduced or eliminated when founded on solid rock, when directed by the Engineer.
See Box Culvert Supplement (BCS) standard sheet for wingwall type and additional dimensions and information.
Quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for the Contractor's information only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

Texas Department of Transportation

Bridge Division Standard

CONCRETE WINGWALLS
WITH PARALLEL WINGS FOR BOX CULVERTS
TYPES PW-1 AND PW-2

PW

FILE: pwstde01-20.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: TxDOT
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REVISIONS				
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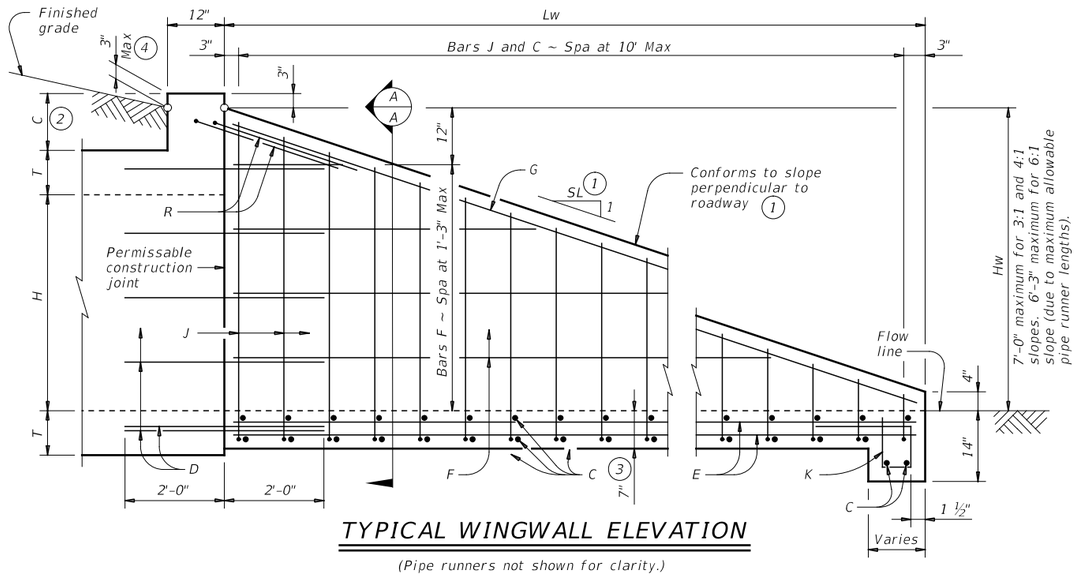
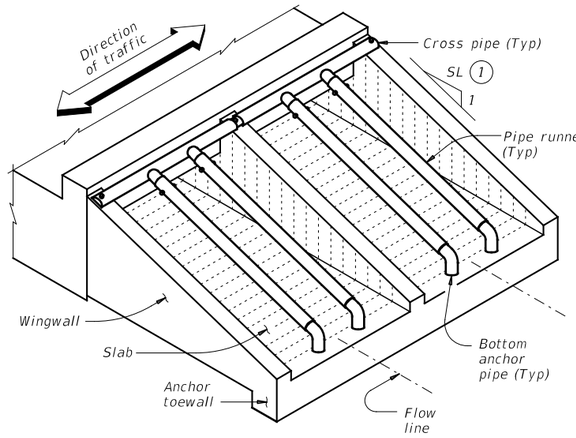


TYPICAL WINGWALL ELEVATION

(Pipe runners not shown for clarity.)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

WING DIMENSION CALCULATIONS:

Hw = H + T + C - 0.250'
Lw = (Hw - 0.333') (SL)

For cast-in-place culverts:
Atw = (N) (S) + (N + 1) (U)
For precast culverts:
Atw = (N) (2U + S) + (N - 1) (0.500')

Total Wingwall Area (SF)
= (0.5) (Hw + 0.333') (Lw) (N + 1)
Total Concrete Volume (CY)
= [(Wingwall Area) (0.583') +
(Lw) (Atw) (0.583') +
(Atw) (1.167') (1.167' - 0.583')] ÷ (27)

PIPE RUNNER DIMENSION CALCULATIONS:

Pipe Runner Length
= (Lw) (K1) - (1.917')
Total Reinforcing (Lb)
= (1.55) (Lw) (Atw) +
(4.43) (Atw) +
(K2) (Hw) (N + 1) (√Lw)

C = Height of curb above top of top slab (feet)
Hw = Height of wingwall (feet)
K = Constant value for use in formulas

Slope SL:1	K1	K2
3:1	~ 1.054 ~	7.45
4:1	~ 1.031 ~	8.49
6:1	~ 1.014 ~	10.30

Atw = Anchor toewall length (feet)
Lw = Length of wingwall (feet)
N = Number of culvert barrels
SL:1 = Side slope ratio (horizontal : 1 vertical)

See applicable box culvert standard for H, S, T, and U values.

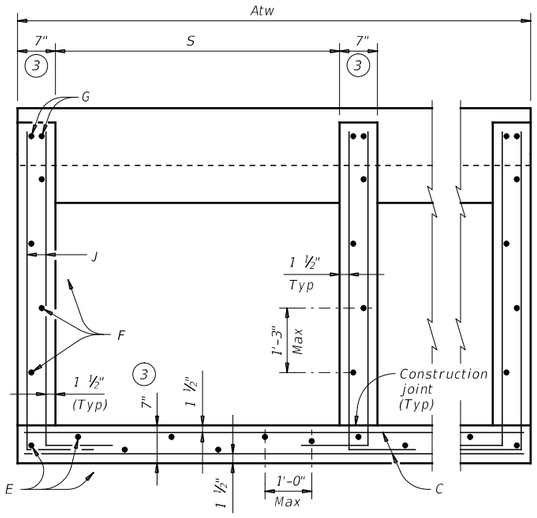
MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Adjust reinforcing as necessary to provide a minimum clear cover of 1 ½".
Provide Class "C" concrete (f`c = 3,600 psi).
Provide pipe runners, cross pipes, and anchor pipes meeting the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.
Provide ASTM A307 bolts.
Galvanize all steel components, except the concrete reinforcing, unless required elsewhere in the plans, after fabrication.
Repair galvanizing damaged during transport or construction in accordance with the Item 445, "Galvanizing".

GENERAL NOTES:

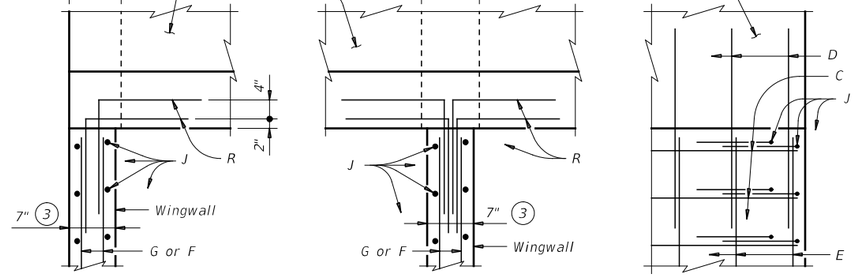
Designed according to AASHTO LRFD Bridge Design Specifications.
The safety end treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the pipe runners.
Pipe runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.
The quantities for pipe runners, reinforcing steel, and concrete resulting from the formulas given herein are for Contractor's information only.
See the Box Culvert Supplement (BCS) standard sheet for additional dimensions and information.
Alternate design drawings bearing the seal of a professional engineer will be acceptable for precast construction of the safety end treatments.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.



SECTION A-A

(Showing typical wingwall and wing slab reinforcing. Pipe runners not shown for clarity.)



AT TOP OF EXTERIOR WINGWALL

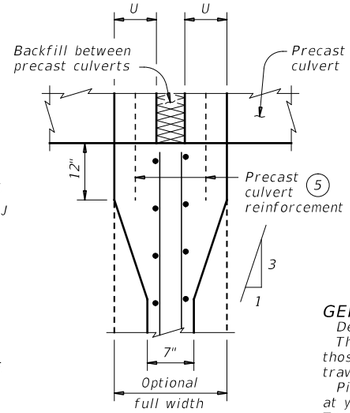
(Cast-in-place culvert)

AT TOP OF INTERIOR WINGWALL

(Cast-in-place culvert)

AT OUTSIDE OF BOTTOM SLAB

(Cast-in-place culvert)



AT INTERIOR WINGWALL

(Precast culvert)

PLAN VIEWS OF CORNER DETAILS

Bar	Size	Spacing
C	#4	10" Max
D	#4	Match F and E
E	#4	1'-0" Max
F	#4	1'-3" Max
G	#6	As shown
J	#4	10" Max
K	#4	1'-0" Max
R	#4	As shown

TABLE OF REINFORCING BAR SIZES AND SPACING

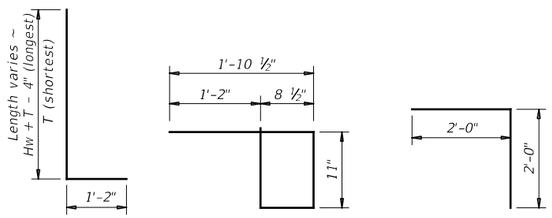
(1) *Recommended values of slope are: 3:1, 4:1, and 6:1. Provide 3:1 or flatter slope.*

(2) *0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures without railing and curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet.*

(3) *Wingwall and slab thicknesses may be the same as the adjacent culvert wall and slab thicknesses (7" minimum). If thicknesses greater than the minimum (7") are used, no changes will be made in quantities and no additional compensation will be allowed.*

(4) *For vehicle safety, reduce curb height, if necessary, to provide a maximum 3" projection. No changes will be made in quantities and no additional compensation will be allowed for this work.*

(5) *For culverts with C = 0", the precast culvert reinforcing may extend 1'-0" minimum into wingwall. Wingwall Bars D and R may be omitted. Otherwise, refer to the Wingwall Connection detail on the Box Culvert Precast Miscellaneous Details (SCP-MD) standard sheet.*



BARS J

BARS K
(Length = 4'-3")

BARS R

SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 0° SKEW BOX CULVERTS (MAXIMUM Hw = 7'-0") TYPE I ~ CROSS DRAINAGE

SETB-CD

FILE: setbcdse-20.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: TxDOT
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	DIST	COUNTY		SHEET NO.
				270

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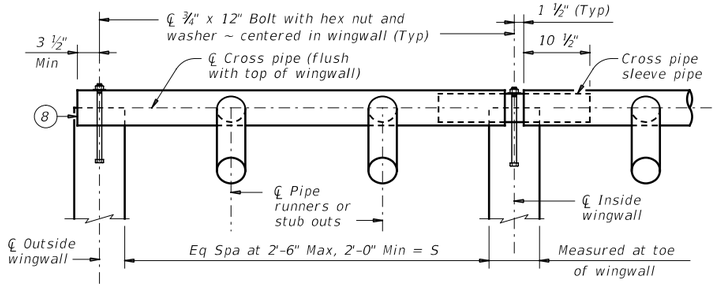
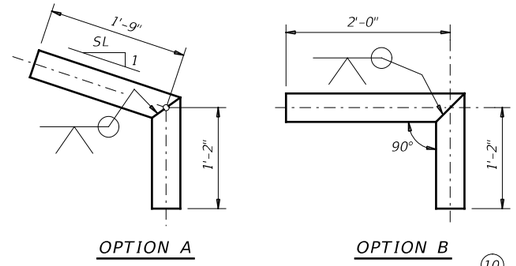


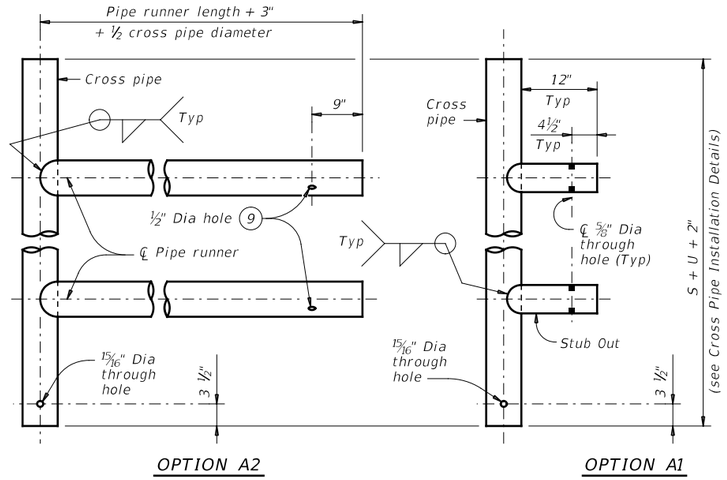
NOTE: At Contractor's option, make the cross pipe continuous across the inside wingwalls. If option is selected, omit the sleeve pipe and make a $^{15}/_{16}$" diameter through hole in the cross pipe to accept the anchor bolt at the centerline of each inside wingwall.

CROSS PIPE INSTALLATION DETAILS



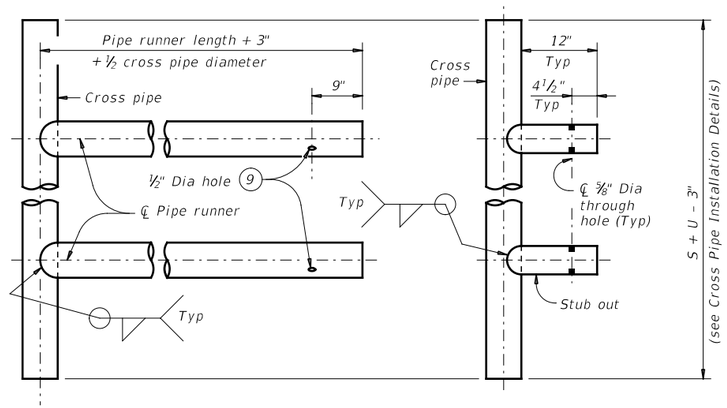
OPTION A OPTION B

BOTTOM ANCHOR PIPE DETAILS (10)



OPTION A2 OPTION A1

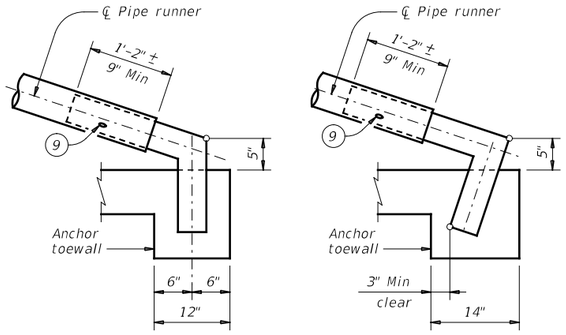
FOR USE IN OUTSIDE CULVERT BAY



OPTION A2 OPTION A1

FOR USE IN INSIDE CULVERT BAY

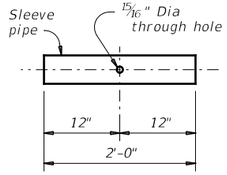
CROSS PIPE AND CONNECTIONS DETAILS



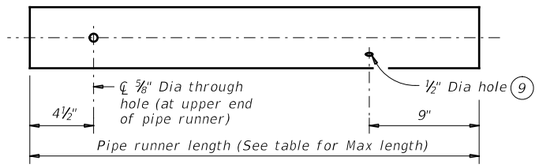
OPTION B1 OPTION B2

BOTTOM ANCHOR TOEWALL DETAILS

(Wingwall not shown for clarity.)



CROSS PIPE SLEEVE PIPE DETAILS



NOTE: The separate pipe runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS

(6) Cross pipe is the same size as the pipe runner. Cross pipe stub out is the same size as the anchor pipe.

(7) Note that actual slope of safety pipe runner may vary slightly from side slope.

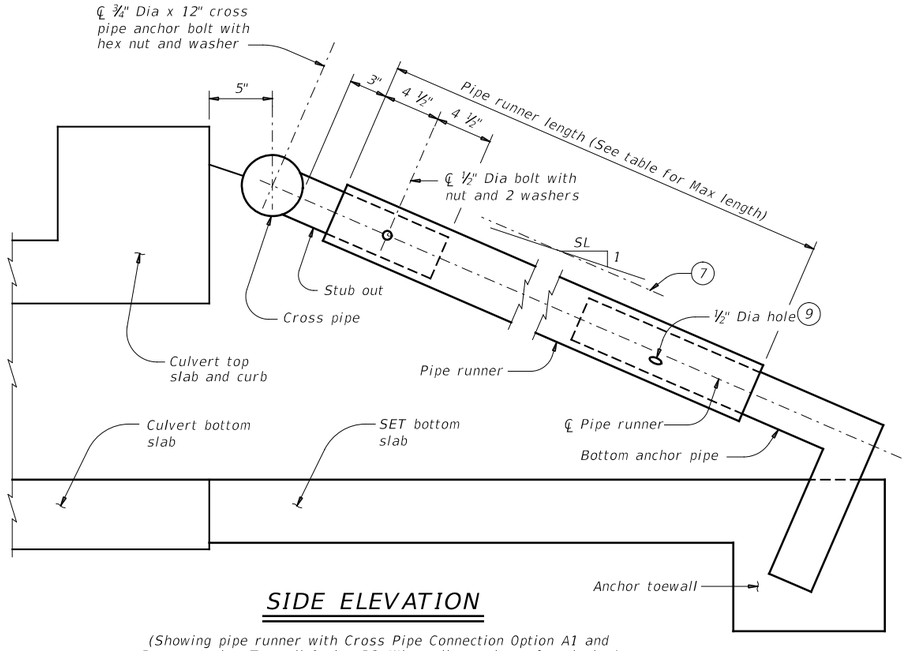
(8) Take care to ensure that riprap concrete does not flow into the cross pipe so as to permit disassembly of the bolted connection to allow cleanout access.

(9) After installation, inspect the 1#2" hole to ensure that the lap of the safety pipe runner with the bottom anchor pipe is adequate.

(10) At fabricator's option, a heat bend to a smooth 5" radius or a manufactured elbow (of the same material as the runner) may be substituted for the mitered and welded joint in the bottom anchor pipe.

MAXIMUM PIPE RUNNER LENGTHS AND (6) REQUIRED PIPE RUNNER AND ANCHOR PIPE SIZES

Maximum Pipe Runner Length	Required Pipe Runner Size			Required Anchor Pipe Size		
	Pipe Size	Pipe O.D.	Pipe I.D.	Pipe Size	Pipe O.D.	Pipe I.D.
10'– 0"	3" STD	3.500"	3.068"	2" STD	2.375"	2.067"
19'– 8"	4" STD	4.500"	4.026"	3" STD	3.500"	3.068"
34'– 2"	5" STD	5.563"	5.047"	4" STD	4.500"	4.026"



SIDE ELEVATION

(Showing pipe runner with Cross Pipe Connection Option A1 and Bottom Anchor Toewall Option B2. Wingwall not shown for clarity.)

SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 0° SKEW BOX CULVERTS
(MAXIMUM Hw = 7'-0")
TYPE I ~ CROSS DRAINAGE

SETB-CD

FILE: setbcdse-20.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: TxDOT
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	DIST	COUNTY		SHEET NO. 271

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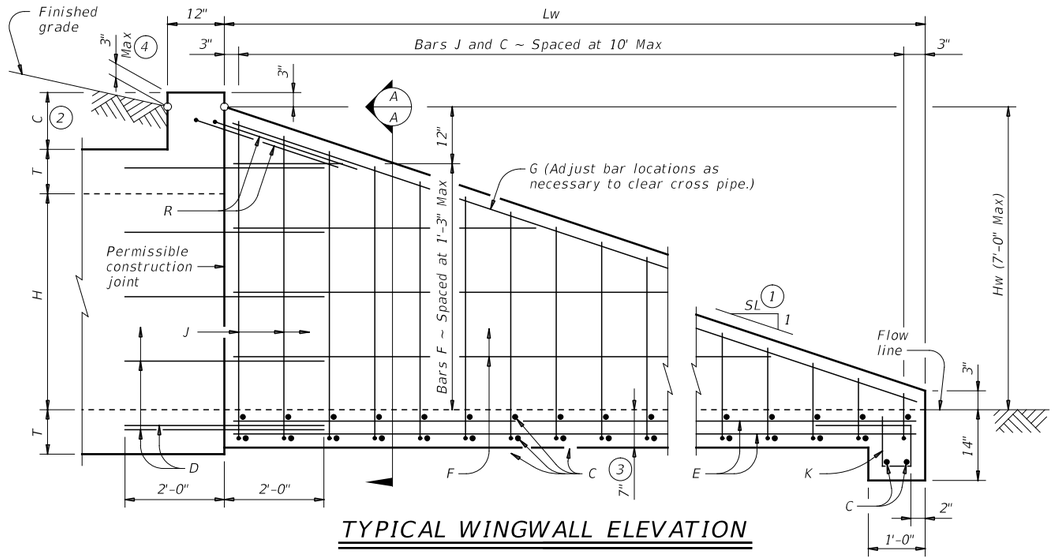
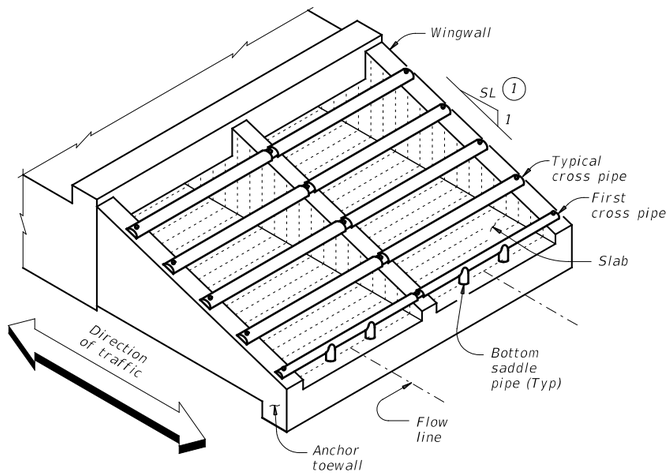


TYPICAL WINGWALL ELEVATION

(Cross pipes not shown for clarity.)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

(Showing bolted anchor option.)

WING DIMENSION CALCULATIONS:

$Hw = H + T + C - 0.250'$

$Lw = (Hw - 0.250')\ (SL)$

For cast-in-place culverts:

$Atw = (N)\ (S) + (N + 1)\ (U)$

For precast culverts:

$Atw = (N)\ (2U + S) + (N - 1)\ (0.500')$

Total Wingwall Area (SF)
$= (0.5)\ (Hw + 0.250')\ (Lw)\ (N - 1)$

Total Concrete Volume (CY)
$= [(\text{Wingwall Area})\ (0.583') +$
$(Lw)\ (Atw)\ (0.583') +$
$(Atw)\ (1.000')\ (1.167' - 0.583')] \div (27)$

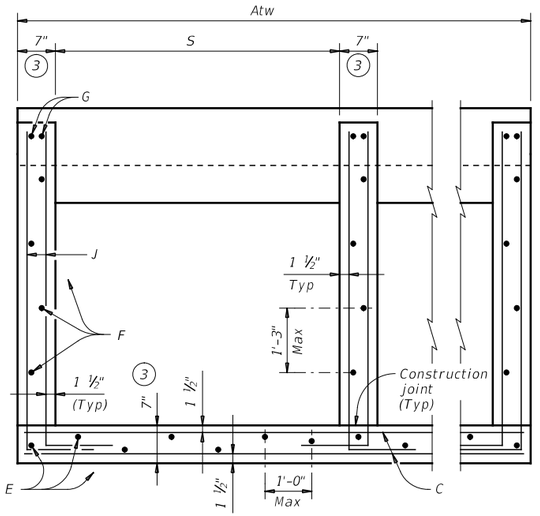
Total Reinforcing (Lb)
$= (1.55)\ (Lw)\ (Atw) +$
$(4.43)\ (Atw) +$
$(K)\ (Hw)\ (N + 1)\ (\sqrt{Lw})$

C = Height of curb above top of top slab (feet)
Hw = Height of wingwall (feet)
K = Constant value for use in formulas

Slope SL:1	K
6:1 ~	10.41

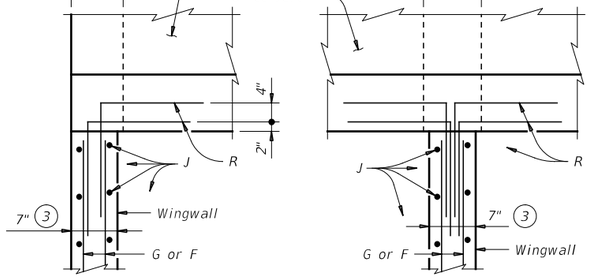
Atw = Anchor toewall length (feet)
Lw = Length of wingwall (feet)
N = Number of culvert barrels
SL:1 = Side slope ratio (horizontal : 1 vertical)

See applicable box culvert standard for H, S, T, and U values.



SECTION A-A

(Showing typical wingwall and wing slab reinforcing. Pipe runners not shown for clarity.)

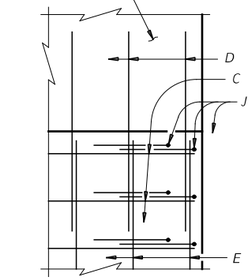


AT TOP OF EXTERIOR WINGWALL

(Cast-in-place culvert)

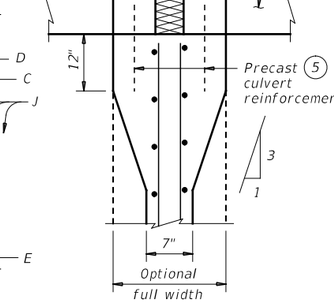
AT TOP OF INTERIOR WINGWALL

(Cast-in-place culvert)



AT OUTSIDE OF BOTTOM SLAB

(Cast-in-place culvert)



AT INTERIOR WINGWALL

(Precast culvert)

PLAN VIEWS OF CORNER DETAILS

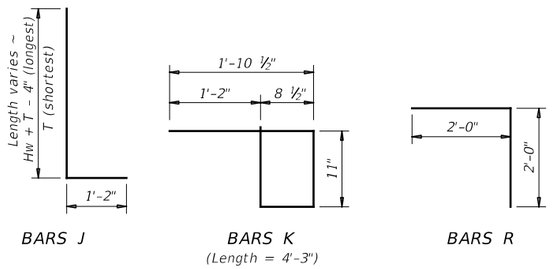


TABLE OF REINFORCING BAR SIZES AND SPACING		
Bar	Size	Spacing
C	#4	10" Max
D	#4	Match F and E
E	#4	1'- 0" Max
F	#4	1'- 3" Max
G	#6	As shown
J	#4	10" Max
K	#4	1'- 0" Max
R	#4	As shown

(1) Provide 6:1 or flatter slope.

(2) 0" Min to 5'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures without railing and curbs taller than 1'-0", refer to Extended Curb Details the Extended Curb Details (ECD) standard sheet.

(3) Wingwall and slab thicknesses may be the same as the adjacent culvert wall and slab thicknesses (7" Minimum). If thicknesses greater than the minimum (7") are used, no changes will be made in quantities and no additional compensation will be allowed.

(4) For vehicle safety, reduce height, if necessary, to provide a maximum 3" projection above finished grade. No changes will be made in quantities and no additional compensation will be allowed for this work.

(5) For culverts with C = 0", the precast culvert reinforcing may extend 1'-0" minimum into wingwall. Wingwall bars D and R may be omitted. Otherwise, refer to the Wingwall Connection detail on the Box Culvert Precast Miscellaneous Details (SCP-MD) standard sheet.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide galvanized reinforcing steel if required elsewhere in the plans.
Adjust reinforcing as necessary to provide a minimum clear cover of 1½".
Provide Class "C" concrete (f`c = 3,600 psi).
Provide pipe runners, cross pipes, and anchor pipes meeting the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.
Provide ASTM A307 bolts.
Galvanize all steel components, except the concrete reinforcing, unless required elsewhere in the plans, after fabrication.
Repair galvanizing damaged during transport or construction in accordance with Item 445, "Galvanizing."

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
The safety end treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the cross pipes.
Cross pipes are designed for a traversing load of 10,000 pounds at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.
The quantities for concrete, reinforcing steel, and cross pipes resulting from the formulas given herein are for Contractor's information only.
See the Box Culvert Supplement (BCS) standard sheet for additional dimensions and information.
Alternate design drawings bearing the seal of a professional engineer will be acceptable for precast construction of the safety end treatments.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR BOX CULVERTS (MAXIMUM Hw = 7'-0") TYPE I ~ PARALLEL DRAINAGE

SETB-PD

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REVISIONS 06-2022 ~ Wing dimensions	DIST	COUNTY		SHEET NO.
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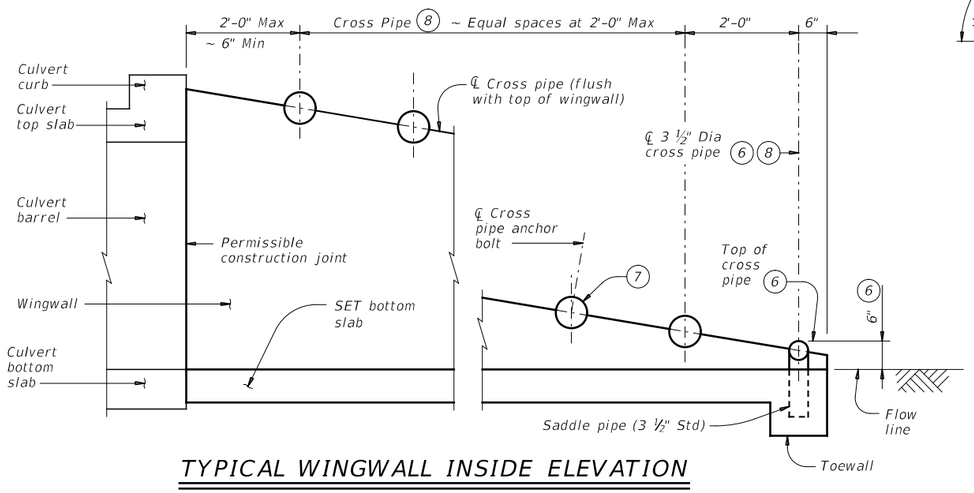
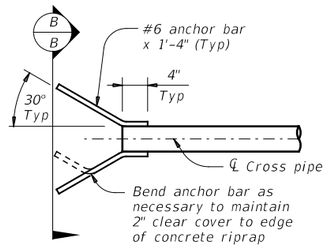
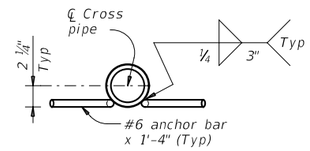


TYPICAL WINGWALL INSIDE ELEVATION

(Showing installation of cross pipes.)

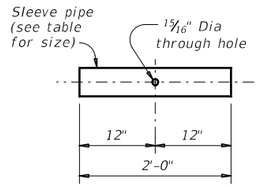


PART PLAN



SECTION B-B

OPTIONAL ANCHOR BAR DETAILS



SLEEVE PIPE DETAILS (9)

REQUIRED PIPE SIZES (8)		
Culvert Span Sizes	Cross Pipe Size	Sleeve Pipe Size (9)
First Pipe	3 ½" STD	2 ½" STD
30" to 42"	4" STD	3" STD
48" to 72"	5" STD	4" STD
78" to 120"	6" STD	5" STD

STANDARD PIPE SIZES		
Pipe Size	Pipe O.D.	Pipe I.D.
2 ½" STD	2.875"	2.469"
3" STD	3.500"	3.068"
3 ½" STD	4.000"	3.548"
4" STD	4.500"	4.026"
5" STD	5.563"	5.047"
6" STD	6.625"	6.065"

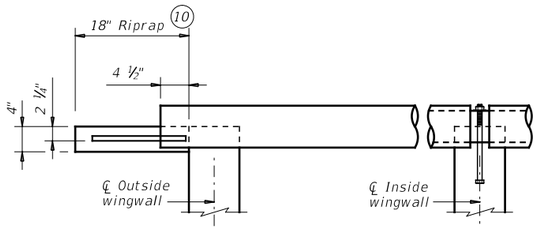
(6) The proper installation of the first cross pipe is critical for vechicle saftey. Place the top of the first cross pipe at no more than 6" above the flow line.

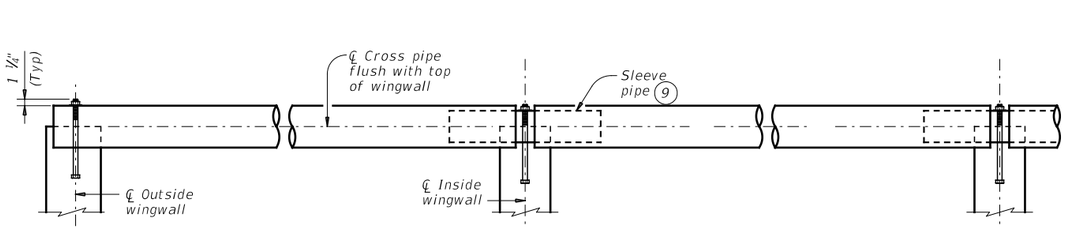
(7) Always install the third cross pipe from the bottom of the culvert using a bolted connection. Take care to ensure that concrete does not flow into this cross pipe so as to permit disassembly of the bolted connection to allow cleanout access.

(8) Provide cross pipes and sleeve pipes (if required) as shown in the Required Pipe Sizes table. Provide 3 1#2" saddle pipes for the 3 1#2" first cross pipe.

(9) At Contractor's option, make the cross pipe continuous across the inside wingwalls. If this option is selected, omit the sleeve pipe and make a 15#16" diameter throughhole in the cross pipe to accept the anchor bolt at the centerline of each interior wingwall.

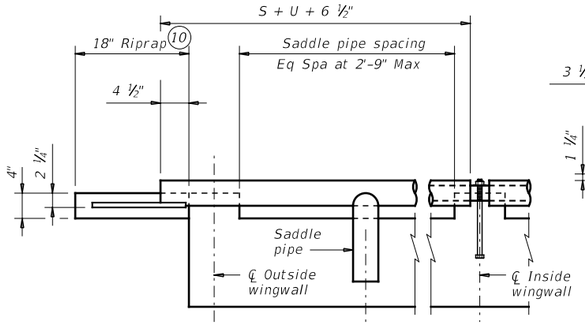
(10) Provide riprap when using the Optional Anchor Bar details. Riprap is included in the bid price for Safety End Treatment. Provide riprap in accordance with Item 432, "Riprap".

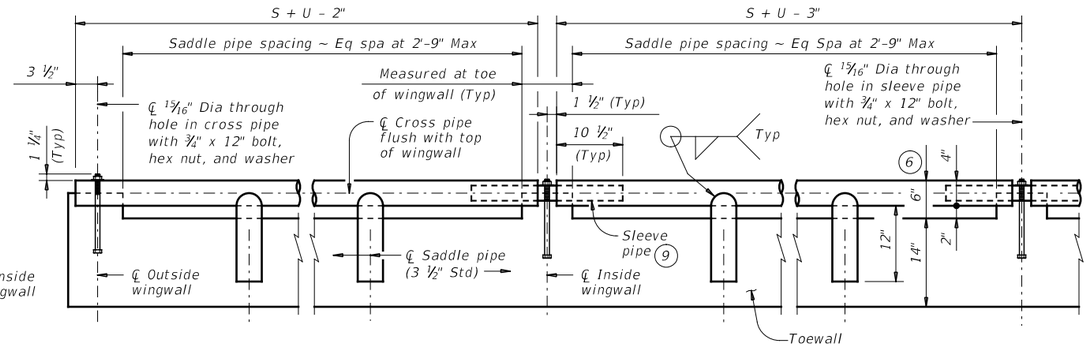




SECTION THROUGH INSTALLATION OF TYPICAL FULL CROSS PIPE

(Anchor details and dimensions are similar to those shown below in Section Through Installation of 3 ½" First Cross Pipe detail.)





SECTION THROUGH INSTALLATION OF 3 ½" FIRST CROSS PIPE

OUTSIDE CULVERT BARREL WITH OPTIONAL ANCHOR BARS & RIPRAP

OUTSIDE CULVERT BARREL WITH BOLTED ANCHOR

INSIDE CULVERT BARREL

CROSS PIPE INSTALLATION DETAILS

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR BOX CULVERTS
(MAXIMUM Hw = 7'-0")
TYPE I ~ PARALLEL DRAINAGE

SETB-PD

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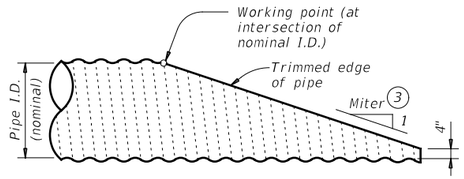
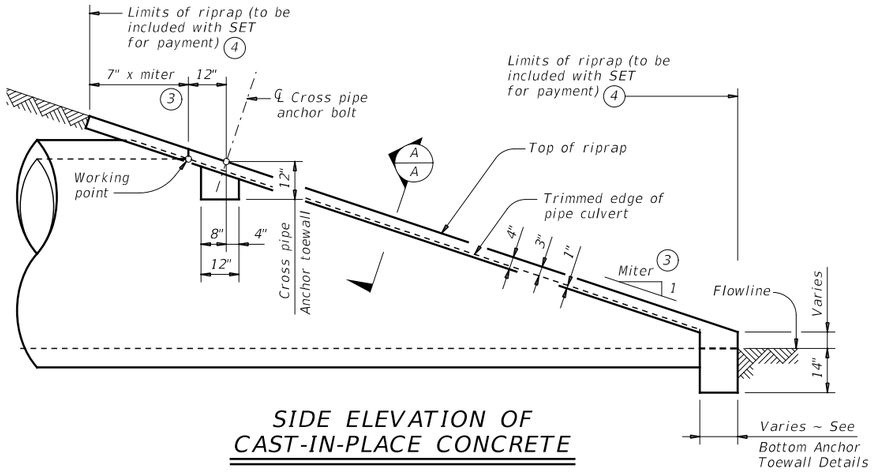


NOTE: All pipe runners, calculations, and dimensions are based on the pipe culverts mitered as shown in this detail. Alternate styles of mitered ends will require that appropriate adjustments be made to the values presented on this standard.

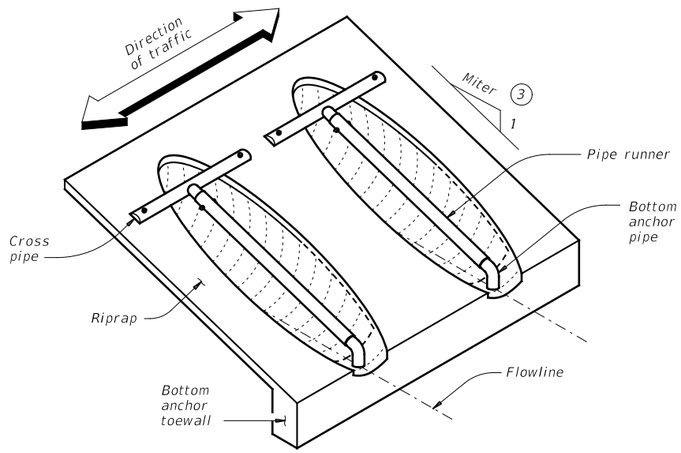
SIDE ELEVATION OF TYPICAL PIPE CULVERT MITER

(Showing corrugated metal pipe (CMP) culvert.
Details of reinforced concrete pipe (RCP) culvert are similar.)



SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing reinforced concrete pipe (RCP) culvert.
Details of corrugated metal pipe (CMP) culvert
are similar. Pipe runners not shown for clarity)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

(Showing installation with no skew.)

CROSS PIPE LENGTHS AND PIPE RUNNER LENGTHS (1) (2)

Nominal Culvert I.D.	Pipe Culvert Spa ~ G	Cross Pipe Length	Pipe Runner Length											
			3:1 Side Slope				4:1 Side Slope				6:1 Side Slope			
			0° Skew	15° Skew	30° Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew
24"	1' – 7"	3' – 5"	N/A	N/A	N/A	5' – 10"	N/A	N/A	N/A	8' – 1"	N/A	N/A	N/A	12' – 9"
27"	1' – 8"	3' – 8"	N/A	N/A	5' – 5"	6' – 11"	N/A	N/A	7' – 7"	9' – 7"	N/A	N/A	11' – 11"	14' – 11"
30"	1' – 10"	3' – 11"	N/A	N/A	6' – 4"	8' – 0"	N/A	N/A	8' – 9"	11' – 0"	N/A	N/A	13' – 8"	17' – 0"
33"	1' – 11"	4' – 2"	6' – 2"	6' – 5"	7' – 3"	9' – 1"	8' – 6"	8' – 10"	10' – 0"	12' – 5"	13' – 3"	13' – 9"	15' – 5"	19' – 2"
36"	2' – 1"	4' – 5"	6' – 11"	7' – 3"	8' – 2"	10' – 2"	9' – 6"	9' – 11"	11' – 2"	13' – 10"	14' – 9"	15' – 3"	17' – 2"	21' – 3"
42"	2' – 4"	4' – 11"	8' – 6"	8' – 10"	9' – 11"	12' – 4"	11' – 7"	12' – 0"	13' – 6"	16' – 8"	17' – 9"	18' – 5"	20' – 8"	25' – 7"
48"	2' – 7"	5' – 5"	10' – 1"	10' – 5"	11' – 9"	N/A	13' – 7"	14' – 2"	15' – 10"	N/A	20' – 9"	21' – 6"	24' – 2"	N/A
54"	3' – 0"	5' – 11"	11' – 8"	12' – 1"	N/A	N/A	15' – 8"	16' – 3"	N/A	N/A	23' – 10"	24' – 8"	N/A	N/A
60"	3' – 3"	6' – 5"	13' – 3"	N/A	N/A	N/A	17' – 9"	N/A	N/A	N/A	26' – 10"	N/A	N/A	N/A

TYPICAL PIPE CULVERT MITERS (3)

Side Slope	0° Skew	15° Skew	30° Skew	45° Skew
3:1	3:1	3.106:1	3.464:1	4.243:1
4:1	4:1	4.141:1	4.619:1	5.657:1
6:1	6:1	6.212:1	6.928:1	8.485:1

CONDITIONS WHERE PIPE RUNNERS ARE NOT REQUIRED (2)

Nominal Culvert I.D.	Single Pipe Culvert	Multiple Pipe Culverts
12" thru 21"	Skews thru 45°	Skews thru 45°
24"	Skews thru 45°	Skews thru 30°
27"	Skews thru 30°	Skews thru 15°
30"	Skews thru 15°	Skews thru 15°
33"	Skews thru 15°	Always required
36"	Normal (no skew)	Always required
42" thru 60"	Always required	Always required

STANDARD PIPE SIZES AND MAX PIPE RUNNER LENGTHS (1)

Pipe Size	Pipe O.D.	Pipe I.D.	Max Pipe Runner Length
2" STD	2.375"	2.067"	N/A
3" STD	3.500"	3.068"	10' – 0"
4" STD	4.500"	4.026"	19' – 8"
5" STD	5.563"	5.047"	34' – 2"

ESTIMATED CONCRETE RIPRAP QUANTITIES (CY) (5)

Nominal Culvert I.D.	3:1 Side Slope				4:1 Side Slope				6:1 Side Slope			
	0° Skew	15° Skew	30° Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew
12"	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.8
15"	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9
18"	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	1.0
21"	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.2
24"	0.6	0.7	0.7	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.1	1.3
27"	0.7	0.7	0.8	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.2	1.4
30"	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.3	1.6
33"	0.8	0.8	0.9	1.0	1.0	1.0	1.1	1.3	1.3	1.4	1.5	1.7
36"	0.9	0.9	0.9	1.1	1.1	1.1	1.2	1.4	1.4	1.5	1.6	1.8
42"	1.0	1.0	1.1	1.3	1.2	1.3	1.3	1.6	1.6	1.7	1.8	2.1
48"	1.1	1.1	1.2	N/A	1.4	1.4	1.5	N/A	1.9	1.9	2.1	N/A
54"	1.3	1.3	N/A	N/A	1.6	1.6	N/A	N/A	2.1	2.1	N/A	N/A
60"	1.4	N/A	N/A	N/A	1.7	N/A	N/A	N/A	2.3	N/A	N/A	N/A

(1) Provide pipe runner of the size shown in the tables. Provide cross pipe of the same size as the pipe runner. Provide cross pipe stub out and bottom anchor pipe of the next smaller size pipe as shown in the Standard Pipe Sizes and Max Pipe Runner Lengths table.

(2) This standard allows for the placement of only one pipe runner across each culvert pipe opening. In order to limit the clear opening to be traversed by an errant vehicle, the following conditions must be met:

For 60" culvert pipes, the skew must not exceed 0°.
For 54" culvert pipes, the skew must not exceed 15°.
For 48" culvert pipes, the skew must not exceed 30°.
For all culvert pipe sizes 42" and less, the skew must not exceed 45°.

If the above conditions cannot be met, the designer should consider using a safety end treatment with flared wings. For further information, refer to the TxDOT Roadway Design Manual.

(3) Miter = slope of mitered end of pipe culvert.

(4) Riprap placed beyond the limits shown will be paid for as concrete riprap in accordance with Item 432, "Riprap".

(5) Quantities shown are for one end of one reinforced concrete pipe (RCP) culvert. For multiple pipe culverts or for corrugated metal pipe (CMP) culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only.

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 12" DIA TO 60" DIA
PIPE CULVERTS
TYPE II ~ CROSS DRAINAGE

SETP-CD

FILE: setpcdse-20.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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	DIST	COUNTY		SHEET NO.
				274

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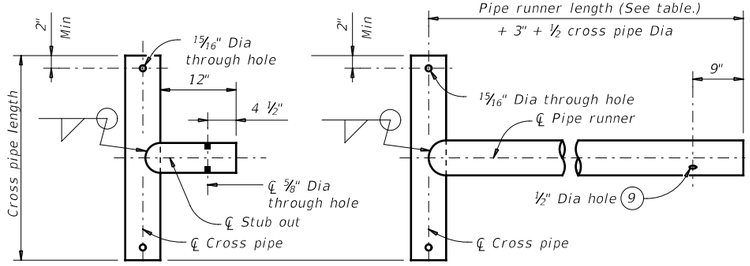
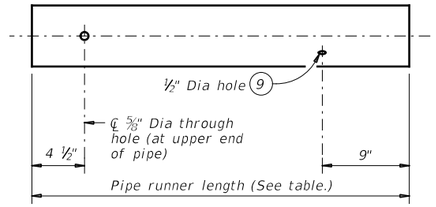


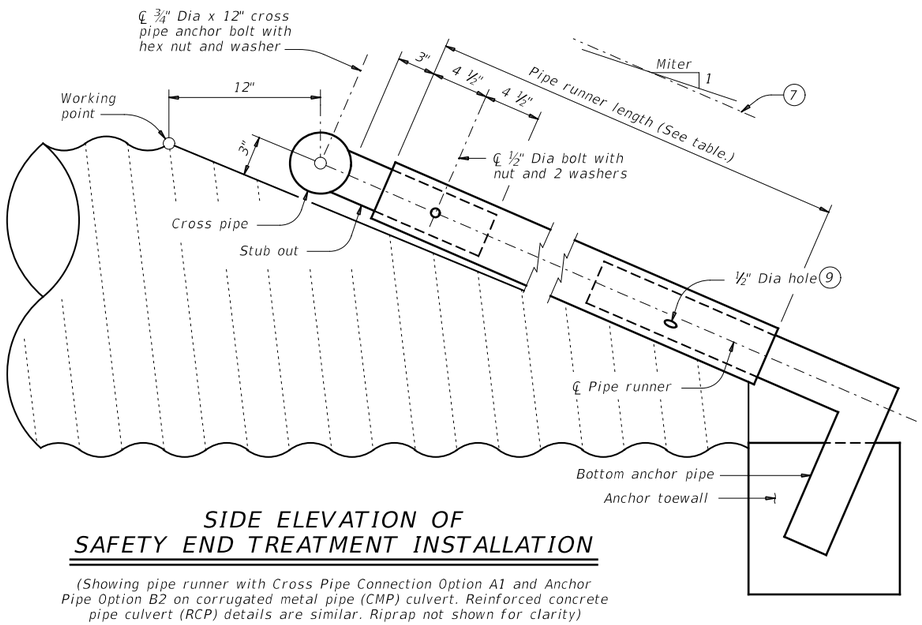
OPTION A1 OPTION A2

CROSS PIPE AND CONNECTIONS DETAILS



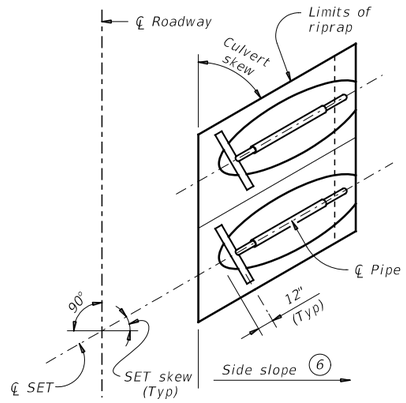
NOTE: The separate pipe runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS

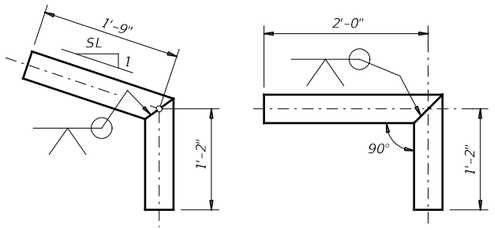


SIDE ELEVATION OF SAFETY END TREATMENT INSTALLATION

(Showing pipe runner with Cross Pipe Connection Option A1 and Anchor Pipe Option B2 on corrugated metal pipe (CMP) culvert. Reinforced concrete pipe culvert (RCP) details are similar. Riprap not shown for clarity)

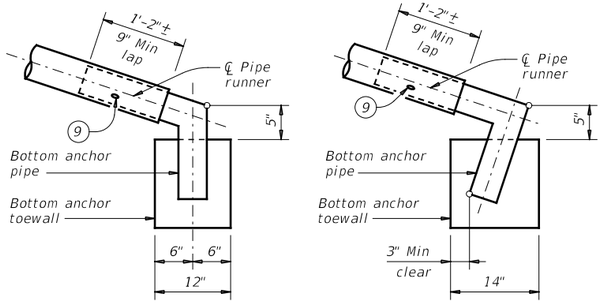


PLAN OF SKEWED INSTALLATION



OPTION B1 OPTION B2

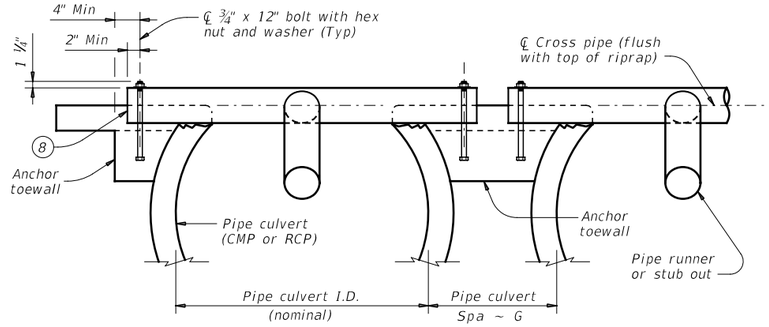
BOTTOM ANCHOR PIPE DETAILS (10)



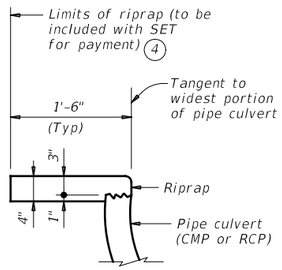
OPTION B1 OPTION B2

BOTTOM ANCHOR TOEWALL DETAILS

(Culvert and riprap not shown for clarity.)



SHOWING CROSS PIPE AND ANCHOR TOEWALL



SHOWING TYPICAL PIPE CULVERT AND RIPRAP

SECTION A-A

(4) Riprap placed beyond the limits shown will be paid for as concrete riprap in accordance with Item 432, "Riprap".

(6) Recommended values of side slope are 3:1, 4:1, and 6:1. All quantities, calculations, and dimensions shown herein are based on these recommended values. Slope of 3:1 or flatter is required for vehicle safety.

(7) Note that actual slope of pipe runner may vary slightly from side slope of riprap and trimmed culvert pipe edge.

(8) Ensure that riprap concrete does not flow into the cross pipe so as to permit disassembly of the bolted connection to allow cleanout access.

(9) After installation, inspect the 1/2" hole to ensure that the lap of the pipe runner with the bottom anchor pipe is adequate.

(10) At fabricator's option, a heat bend to a smooth 5" radius or a manufactured elbow (of the same material as the runner) may be substituted for the mitered and welded joint in the bottom anchor pipe.

MATERIAL NOTES:

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Provide pipe runners, cross pipes, and anchor pipes conforming to the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.

Provide ASTM A307 bolts and nuts.

Galvanize all steel components, except concrete reinforcing, after fabrication.

Repair galvanizing damaged during transport or construction in accordance with the specifications.

GENERAL NOTES:

Pipe runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.

Safety end treatments (SET) shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the pipe runners.

Payment for riprap and toewall is included in the price bid for each safety end treatment.

Construct concrete riprap and all necessary inverts in accordance with the requirements of Item 432, "Riprap".

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 12" DIA TO 60" DIA PIPE CULVERTS
TYPE II ~ CROSS DRAINAGE

SETP-CD

FILE: setpcdse-20.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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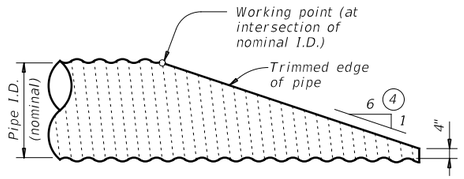
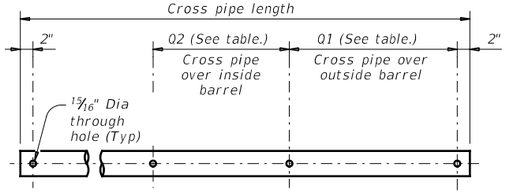


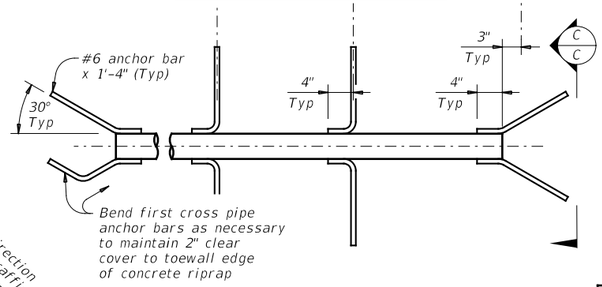
NOTE: All cross pipes, calculations, and dimensions are based on the pipe culverts mitered as shown in this detail. Alternate styles of mitered ends will require that appropriate adjustments be made to the values presented on this standard.

SIDE ELEVATION OF TYPICAL PIPE CULVERT MITER

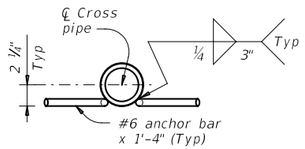
(Showing corrugated metal pipe (CMP) culvert Details at reinforced concrete pipe (RCP) culvert are similar.)



PIPE WITH BOLTED ANCHOR

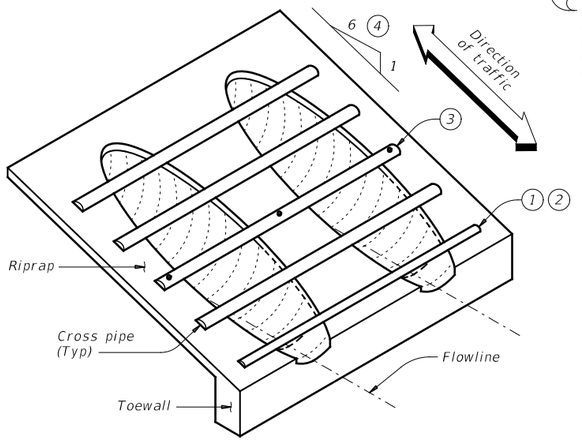


PIPE WITH ANCHOR BARS

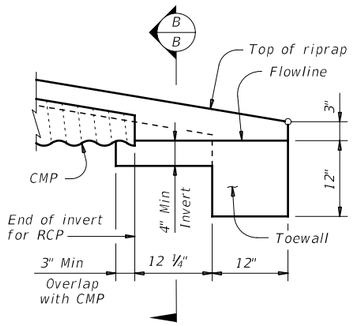


SECTION C-C

CROSS PIPE DETAILS

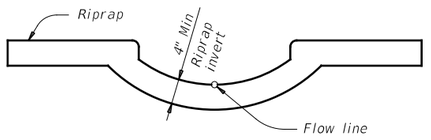


ISOMETRIC VIEW OF TYPICAL INSTALLATION



DETAIL "A"

(Showing invert with corrugated metal pipe (CMP) culvert. Reinforced concrete pipe (RCP) culvert details are similar. Cross pipes not shown for clarity.)



SECTION B-B

(Cross pipes not shown for clarity.)

CROSS PIPE LENGTHS, REQUIRED PIPE SIZES, AND RIPRAP QUANTITIES (2)

Nominal Culvert I.D.	Conc Riprap (CY) (6)	Pipe Culvert Spa ~ G	Single Barrel ~ Q1	Multi-Barrel ~ Q1	Q2	Conditions for Use of Cross Pipes	Cross Pipe Sizes
12"	0.6	0' - 9"	N/A	2' - 1"	1' - 9"	3 or more pipe culverts	3" Std (3.500" O.D.)
15"	0.7	0' - 11"	N/A	2' - 5"	2' - 2"		
18"	0.8	1' - 2"	N/A	2' - 10"	2' - 8"		
21"	0.9	1' - 4"	N/A	3' - 2"	3' - 1"		
24"	0.9	1' - 7"	N/A	3' - 6"	3' - 7"		
27"	1.0	1' - 8"	N/A	3' - 10"	3' - 11"	3 or more pipe culverts	3 1/2" Std (4.000" O.D.)
30"	1.1	1' - 10"	N/A	4' - 2"	4' - 4"	2 or more pipe culverts	
33"	1.2	1' - 11"	4' - 2"	4' - 5"	4' - 8"	All pipe culverts	
36"	1.3	2' - 1"	4' - 5"	4' - 9"	5' - 1"	All pipe culverts	4" Std (4.500" O.D.)
42"	1.5	2' - 4"	4' - 11"	5' - 5"	5' - 10"		
48"	1.7	2' - 7"	5' - 5"	6' - 0"	6' - 7"	All pipe culverts	5" Std (5.563" O.D.)
54"	2.0	3' - 0"	5' - 11"	6' - 9"	7' - 6"		
60"	2.2	3' - 3"	6' - 5"	7' - 4"	8' - 3"		
66"	2.4	3' - 3"	6' - 11"	7' - 10"	8' - 9"		
72"	2.7	3' - 4"	7' - 5"	8' - 5"	9' - 4"		

(1) The proper installation of the first cross pipe is critical for vehicle safety. Place the top of the first cross pipe no more than 6" above the flow line.

(2) Provide cross pipes, except the first bottom pipe, of the size shown in the table. Provide a 3 1#2" standard pipe (4" O.D.) for the first bottom pipe.

(3) Install the third cross pipe from the bottom of the culvert using a bolted connection. Ensure that riprap concrete does not flow into the cross pipe so as to permit disassembly of the bolted connection to allow cleanout access. At the Contractor's option, install all other cross pipes using the bolted connection details.

(4) Match cross slope as shown elsewhere in the plans. Cross slope of 6:1 or flatter is required for vehicle safety.

(5) Riprap placed beyond the limits shown will be paid for as concrete riprap in accordance with Item 432, "Riprap".

(6) Quantities shown are for one end of one reinforced concrete pipe (RCP) culvert. For multiple pipe culverts or for corrugated metal pipe (CMP) culverts, quantities will need to be adjusted. Riprap quantities are for contractor's information only.

MATERIAL NOTES:

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Provide cross pipes that meet the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 (Gr B), or API 5LX52.

Provide ASTM A307 bolts and nuts.

Galvanize all steel components, except concrete reinforcing, after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

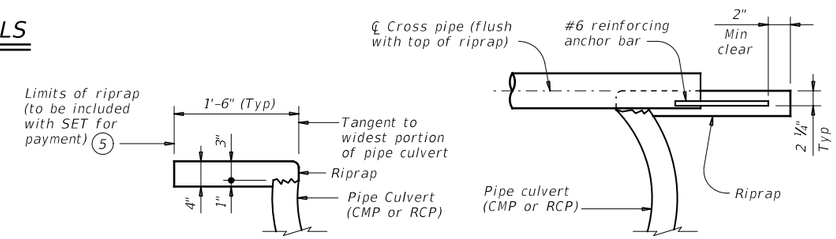
GENERAL NOTES:

Cross pipes are designed for a traversing load of 10,000 pounds at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Safety end treatments (SET) shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the cross pipes.

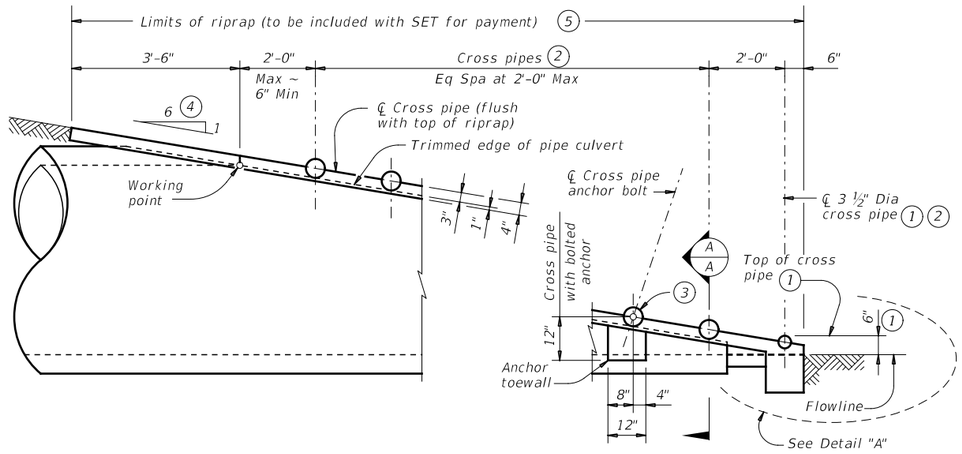
Construct concrete riprap and all necessary inverts in accordance with the requirements of Item 432, "Riprap".

Payment for riprap and toewall is included in the Price Bid for each Safety End Treatment.



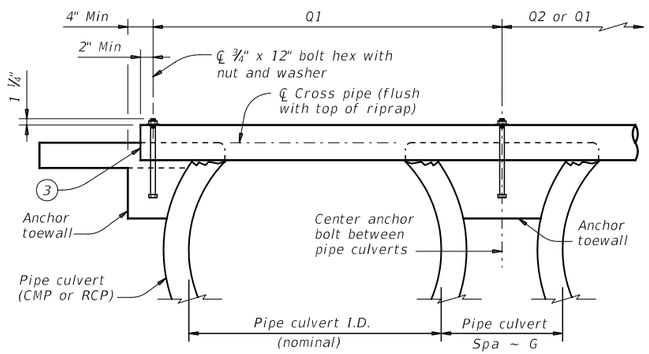
SHOWING TYPICAL PIPE CULVERT AND RIPRAP

SHOWING CROSS PIPE WITH ANCHOR BAR



SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing reinforced concrete pipe (RCP) culvert. Details at corrugated metal pipe (CMP) culvert are similar.)



SHOWING CROSS PIPE WITH BOLTED ANCHOR

SECTION A-A

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 12" DIA TO 72" DIA
PIPE CULVERTS
TYPE II ~ PARALLEL DRAINAGE

SETP-PD

FILE: setppdse-20.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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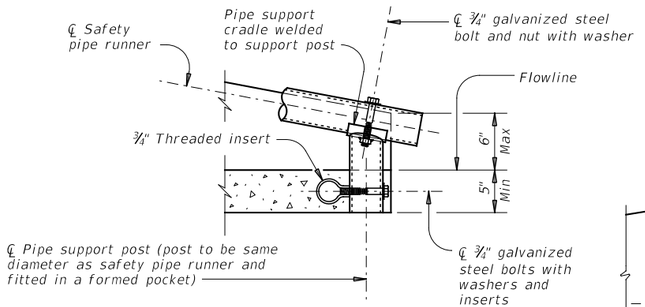
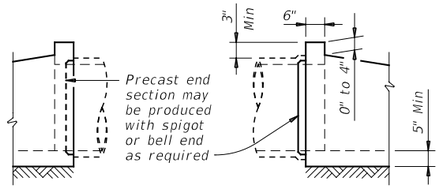
REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

Pipe I.D.	RCP Wall "B" Thickness	TP Wall Thickness (8)	"D" (1)	Slope	Min Length of Unit	Single Pipe		Multiple Pipes	
						Skew	Pipe Runners Required	Skew	Pipe Runners Required
12"	2"	1.15"	17.00"	3:1	2' – 11"	≤ 45°	No	≤ 45°	No
				4:1	3' – 6"				
				6:1	4' – 9"				
15"	2 ¼"	1.30"	20.50"	3:1	3' – 8"	≤ 45°	No	≤ 45°	No
				4:1	4' – 7"				
				6:1	6' – 5"				
18"	2 ½"	1.60"	24.00"	3:1	4' – 6"	≤ 45°	No	≤ 45°	No
				4:1	5' – 8"				
				6:1	8' – 0"				
24"	3"	1.95"	31.00"	3:1	6' – 2"	≤ 45°	No	= 30°	No
				4:1	7' – 10"			> 30°	Yes
				6:1	11' – 3"				
30"	3 ½"	2.65"	38.50"	3:1	7' – 10"	= 15°	No	= 15°	No
				4:1	10' – 1"	> 15°	Yes	> 15°	Yes
				6:1	14' – 8"				
36"	4"	2.75"	45.50"	3:1	9' – 5"	= 0°	No	≥ 0°	Yes
				4:1	12' – 3"	> 0°	Yes		
				6:1	17' – 11"				
42"	4 ½"	2.7"	52.50"	3:1	11' – 1"	≥ 0°	Yes	≥ 0°	Yes
				4:1	14' – 5"				
				6:1	21' – 2"				



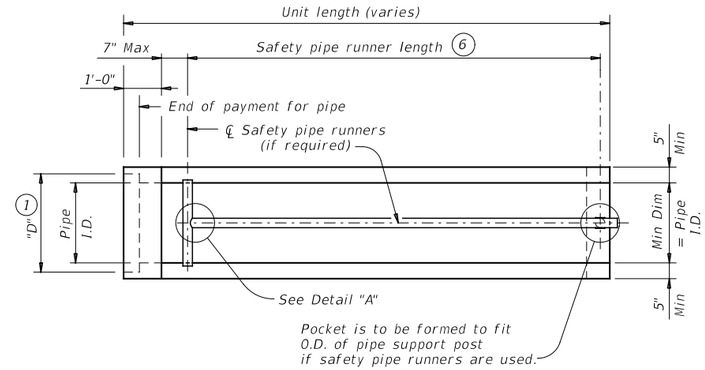
END DETAIL FOR INSTALLATION OF SAFETY PIPE RUNNERS

(If required)



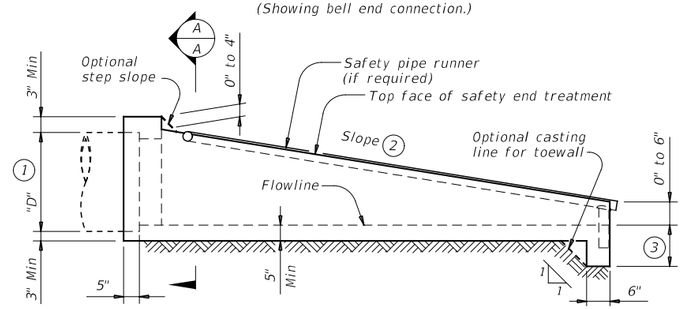
OPTIONAL JOINT FOR RCP

(Showing joint between RCP and precast safety end treatment)



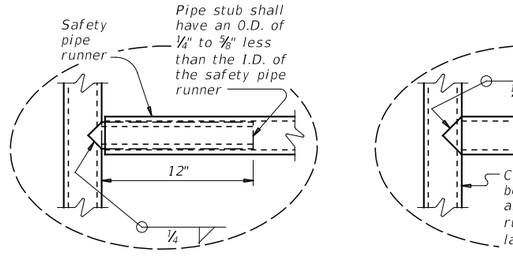
PLAN

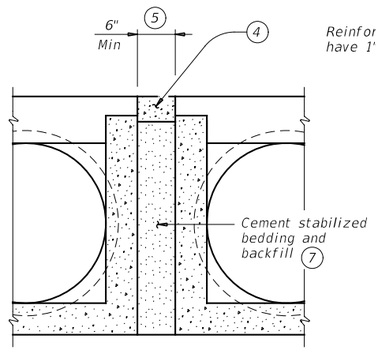
(Showing bell end connection.)



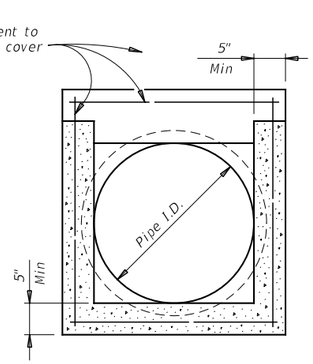
LONGITUDINAL ELEVATION

(Showing bell end connection.)

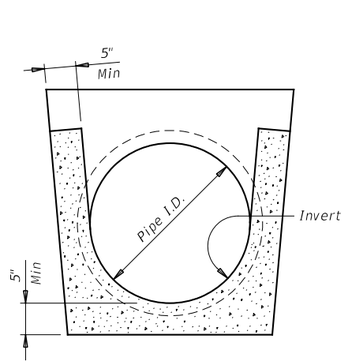




MULTIPLE PIPE INSTALLATION

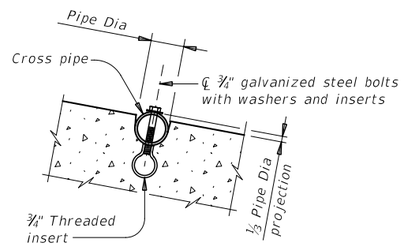


OPTION WITH SQUARE BOTTOM



OPTION WITH INVERT BOTTOM

SECTION A-A



INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS

(If required)

SAFETY PIPE RUNNER DIMENSIONS

Max Safety Pipe Runner Length	Required Pipe Runner Size		
	Pipe Size	Pipe O.D.	Pipe I.D.
11' – 2"	3" STD	3.500"	3.068"
15' – 6"	3 ½" STD	4.000"	3.548"
20' – 10"	4" STD	4.500"	4.026"
35' – 4"	5" STD	5.563"	5.047"

(1) Dimension "D" is based on reinforced concrete pipe (RCP) meeting the requirements of ASTM C-76, Class III, (RCP Wall "B" thickness). Adjust "D" for any other wall thickness used. For thermoplastic pipe (TP) take into account the annular space requirements for grouted connections.

(2) Slope as shown elsewhere in plans. Slope of 3:1 or flatter is required for vehicle safety.

(3) Toewall to be used only when dimension is shown elsewhere in the plans.

(4) Fill the top 4" of void between precast end treatments with concrete riprap. Concrete riprap is considered subsidiary to the Item 467, "Safety End Treatment".

(5) Adjust clear distance between pipes to provide for the minimum distance between safety end treatments.

(6) Measured along slope.

(7) Provide cement stabilized bedding and backfill in accordance with the Item 400, "Excavation and Backfill for Structures". Bedding and backfill is considered subsidiary to the Item 467, "Safety End Treatment". When concrete riprap is specified around the safety end treatment, backfill as directed by Engineer.

(8) Thermoplastic pipe wall thickness may vary. Adjust accordingly. Thermoplastic pipe requires the safety end treatments to have a bell end for grouted connections.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe (RCP), and thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item "Safety End Treatment".

When precast safety end treatment is used as a Contractor's alternate to mitered RCP, riprap will not be required unless noted otherwise on the plans.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Manufacture this product in accordance with Item 467, "Safety End Treatment" except as noted below :

A. Provide minimum reinforcing of #4 at 6" (Grade 40) or #4 at 9" (Grade 60) each way or 6"x6" – D12 x D12 or 5"x5" – D10 x D10 welded wire reinforcement (WWR).

B. For precast (steel formed) sections, provide Class "C" concrete (f'c = 3,600 psi).

At the option and expense of the Contractor, the next larger size of safety end treatment may be furnished as long as the "D" dimension cast is that of the required size of pipe.

Pipe runners are designed for a traversing load of 1,800 Lbs at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.

Provide safety pipe runners, cross pipes, pipe support posts, and pipe stubs meeting the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Galvanize all steel components except reinforcing steel after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

Connect RCP using the Optional Joint for RCP detail shown or in accordance with Item 464 "Reinforced Concrete Pipe". Connect TP by grouting. See Pipe and Box Grouted Connections (PBGC) standard for grouted connections with TP and precast safety end treatment.

Texas Department of Transportation

Bridge Division Standard

PRECAST SAFETY END TREATMENT

TYPE II ~ CROSS DRAINAGE

PSET-SC

FILE: psetscss-21.dgn	DN: RLW	CK: KLR	DW: JTR	CK: GAF
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS 12-21: Added 42" TP	DIST	COUNTY		SHEET NO. 277

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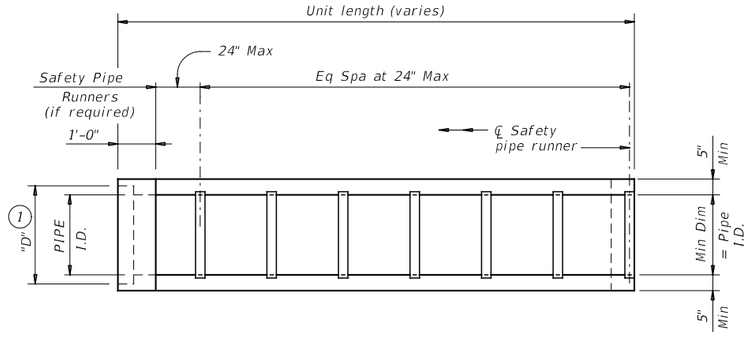
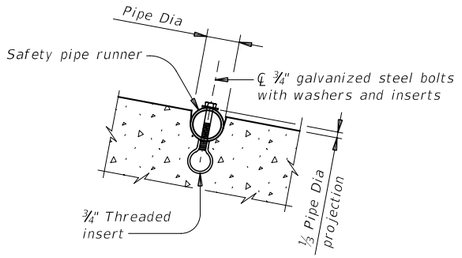
DATE:
FILE:



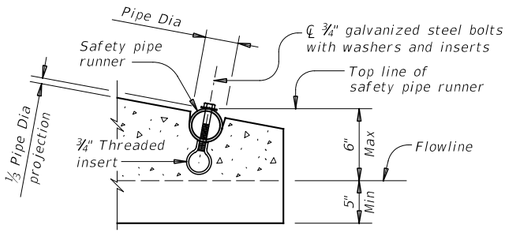
PLAN

(Showing bell end connection.)

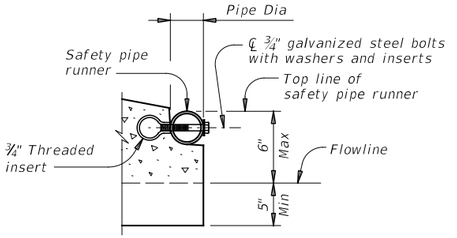


INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS

(If required)



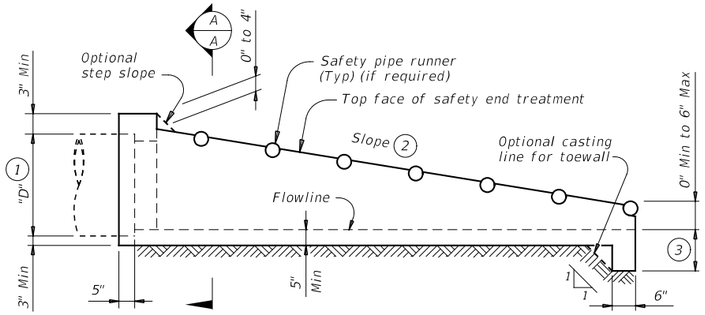
OPTION A



OPTION B

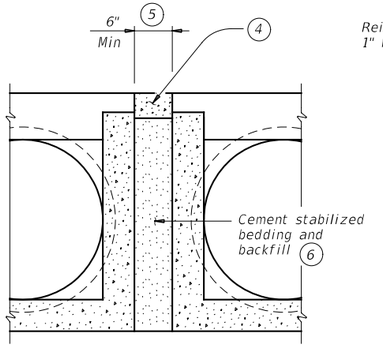
END DETAILS FOR INSTALLATION OF SAFETY PIPE RUNNERS

(If required)

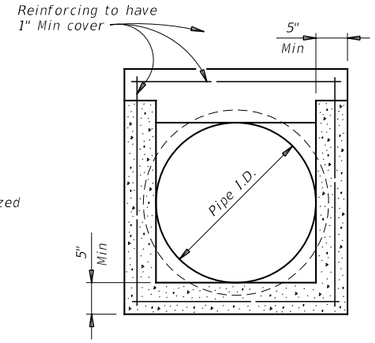


LONGITUDINAL ELEVATION

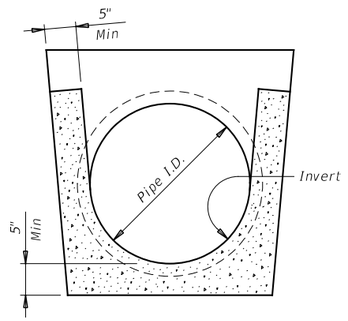
(Showing bell end connection.)



MULTIPLE PIPE INSTALLATION

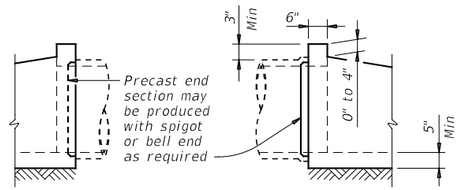


OPTION WITH SQUARE BOTTOM



OPTION WITH INVERT BOTTOM

SECTION A-A



OPTIONAL JOINT FOR RCP

(Showing joint between RCP and precast safety end treatment.)

REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

Pipe I.D.	RCP Wall "B" Thickness	TP Wall Thickness (7)	"D" (1)	Slope	Min Length	Pipe Runners Required		Required Pipe Runner Size		
						Single Pipe	Multiple Pipe	Nominal Dia.	O.D.	I.D.
12"	2"	1.15"	17.00"	6:1	4' – 9"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
15"	2 ¼"	1.30"	20.50"	6:1	6' – 5"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
18"	2 ½"	1.60"	24.00"	6:1	8' – 0"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
24"	3"	1.95"	31.00"	6:1	11' – 3"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
30"	3 ½"	2.65"	38.50"	6:1	14' – 8"	No	Yes	4" STD	4.500"	4.026"
36"	4"	2.75"	45.50"	6:1	17' – 11"	Yes	Yes	4" STD	4.500"	4.026"
42"	4 ½"	2.7"	52.50"	6:1	21' – 2"	Yes	Yes	4" STD	4.500"	4.026"

(1) Dimension "D" is based on reinforced concrete pipe (RCP) meeting the requirements of ASTM C-76, Class III, (RCP Wall "B" thickness). Adjust "D" for any other wall thickness used. For thermoplastic pipe (TP) take into account the annular space requirements for grouted connections.

(2) Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.

(3) Toewall to be used only when dimension is shown elsewhere in the plans.

(4) Fill the top 4" of void between precast end treatments with concrete riprap. Concrete riprap is considered subsidiary to the Item 467, "Safety End Treatment".

(5) Adjust clear distance between pipes to provide for the minimum distance between safety end treatments.

(6) Provide cement stabilized bedding and backfill in accordance with the Item 400, "Excavation and Backfill for Structures". Bedding and backfill is considered subsidiary to the Item 467, "Safety End Treatment". When concrete riprap is specified around the safety end treatment, backfill as directed by Engineer.

(7) Thermoplastic pipe wall thickness may vary. Adjust accordingly. Thermoplastic pipe requires the safety end treatments to have a bell end for grouted connections.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe (RCP), and thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item "Safety End Treatment".

When precast safety end treatment is used as a Contractor's alternate to mitered RCP, riprap will not be required unless noted otherwise on the plans.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Manufacture this product in accordance with Item 467, "Safety End Treatment" except as noted below :

A. Provide minimum reinforcing of #4 at 6" (Grade 40) or #4 at 9" (Grade 60) each way or 6"x6" – D12 x D12 or 5"x5" – D10 x D10 welded wire reinforcement (WWR).

B. For precast (steel formed) sections, provide Class "C" concrete (f'c = 3,600 psi).

At the option and expense of the Contractor the next larger size of safety end treatment may be furnished; as long as the "D" dimension cast is that of the required size of pipe.

Pipe runners are designed for a traversing load of 10,000 Lbs at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Provide pipe runners meeting the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Galvanize all steel components except reinforcing steel after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

Connect RCP using the Optional Joint for RCP detail shown or in accordance with Item 464, "Reinforced Concrete Pipe". Connect TP by grouting. See Pipe and Box Grouted Connections (PBGC) standard for grouted connections with TP and precast safety end treatment.

Texas Department of Transportation

Bridge Division Standard

PRECAST SAFETY END TREATMENT

TYPE II ~ PARALLEL DRAINAGE

PSET-SP

FILE: psetspss-21.dgn	DN: RLW	CK: KLR	DW: JTR	CK: GAF
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS 12-21: Added 42" TP				
	DIST	COUNTY		SHEET NO.
				278

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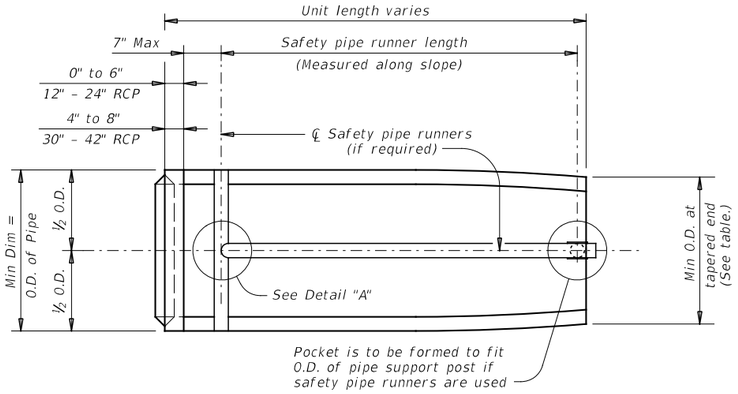
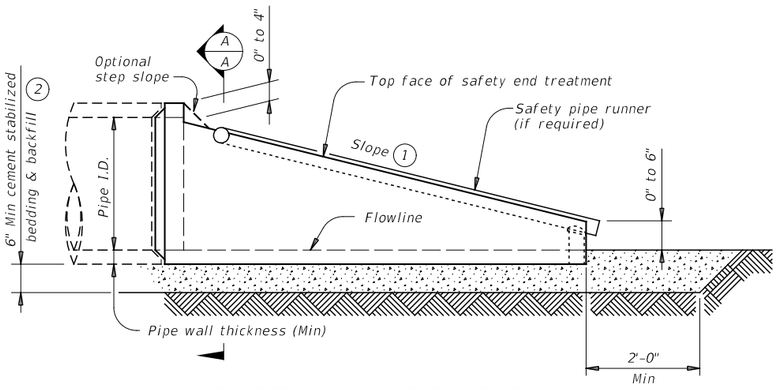


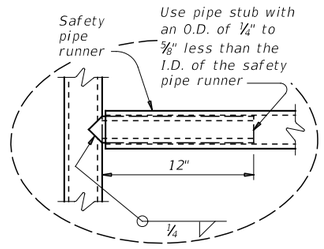
PLAN VIEW

(Showing spigot end connection.)

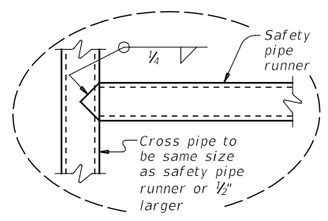


LONGITUDINAL ELEVATION

(Showing spigot end connection.)

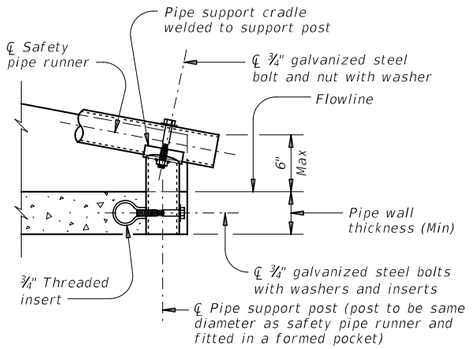


OPTION A



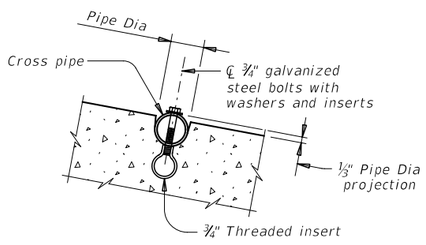
OPTION B

DETAIL A



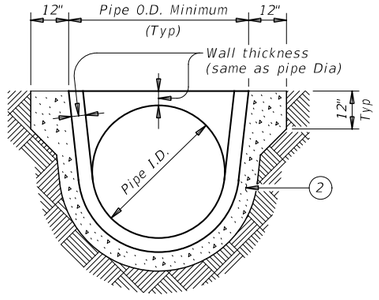
END DETAIL FOR INSTALLATION OF SAFETY PIPE RUNNERS

(If required)

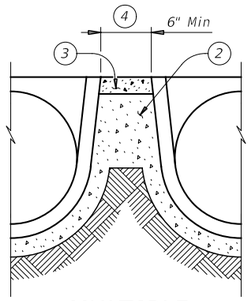


INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS

(If required)



SECTION A-A



MULTIPLE PIPE INSTALLATION

MAX SAFETY PIPE RUNNER LENGTHS AND REQUIRED SAFETY PIPE RUNNER SIZES

Max Safety Pipe Runner Length	Required Pipe Runner Size		
	Pipe Size	Pipe O.D.	Pipe I.D.
11' – 2"	3" STD	3.500"	3.068"
15' – 6"	3 ½" STD	4.000"	3.548"
20' – 10"	4" STD	4.500"	4.026"
35' – 4"	5" STD	5.563"	5.047"

(1) Slope as shown elsewhere in the plans. Slope of 3:1 or flatter is required for vehicle safety.

(2) Provide cement stabilized bedding and backfill in accordance with the Item, "Excavation and Backfill for Structures". Bedding and backfill is considered subsidiary to the Item "Safety End Treatment". When concrete riprap is specified around the safety end treatment, backfill as directed by Engineer.

(3) Fill the top 4" of void between precast end treatments with concrete riprap. Concrete riprap be considered subsidiary to the Item "Safety End Treatment".

(4) Adjust clear distance between pipes to provide for the minimum distance between safety end treatments.

REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

Pipe I.D.	Min Wall Thickness	Min O.D.	Min O.D. at Tapered End	Min Reinf Requirements (sq. in. / ft. of pipe)	Slope	Minimum Length of Unit	Single Pipe		Multiple Pipe	
							Skew	Pipe Runners Required	Skew	Pipe Runners Required
12"	2"	16"	16"	0.07 Circ.	3:1	2' – 0"	≤ 45°	No	≤ 45°	No
					4:1	2' – 8"				
					6:1	4' – 0"				
15"	2 ¼"	19 ½"	19"	0.07 Circ.	3:1	2' – 10"	≤ 45°	No	≤ 45°	No
					4:1	3' – 9"				
					6:1	5' – 8"				
18"	2 ½"	23"	21 ½"	0.07 Circ.	3:1	3' – 8"	≤ 45°	No	≤ 45°	No
					4:1	4' – 10"				
					6:1	7' – 3"				
24"	3"	30"	27"	0.07 Circ.	3:1	5' – 3"	≤ 45°	No	≤ 30°	No
					4:1	7' – 0"			> 30°	Yes
					6:1	10' – 6"				
30"	3 ½"	37"	31"	0.18 Circ.	3:1	6' – 3"	≤ 15°	No	≤ 15°	No
					4:1	8' – 2"	> 15°	Yes	> 15°	Yes
					6:1	12' – 1"				
36"	4"	44"	36"	0.19 Ellip.	3:1	7' – 10"	= 0°	No	≥ 0°	Yes
					4:1	10' – 4"	> 0°	Yes		
					6:1	15' – 4"				
42"	4 ½"	51"	41 ½"	0.23 Ellip.	3:1	9' – 6"	≥ 0°	Yes	≥ 0°	Yes
					4:1	12' – 6"				
					6:1	18' – 7"				

MATERIAL NOTES:

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Provide safety pipe runners, cross pipes, pipe support posts, and pipe stubs meeting the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.

Galvanize all steel components except reinforcing steel after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe (CRP) may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".

When precast safety end treatment is used as a Contractor's alternate to mitered RCP, riprap will not be required unless noted otherwise on the plans.

Manufacture precast concrete end sections in accordance with Item 464, "Reinforced Concrete Pipe" and in accordance with ASTM Specification C–76, Class III, Wall B for circular pipe.

Provide precast concrete end sections with a spigot or bell end for compatibility to upstream or downstream end conditions with sufficient annular space to allow for grout, mortar, cold applied asphalt joint compound or pre–formed plastic gasket material.

Methods of lifting shall be provided by the manufacturer for ease of loading, unloading, and installation.

Pipe runners are designed for a traversing load of 1,800 Lbs at yield as recommended by Research Report 280–1, "Safety Treatment of Roadside Cross–Drainage Structures", Texas Transportation Institute, March 1981.

Texas Department of Transportation

Bridge Division Standard

PRECAST SAFETY END TREATMENT

TYPE II ~ CROSS DRAINAGE

PSET-RC

FILE: psetrcss-20.dgn	DN: RLW	CK: KLR	DW: JTR	CK: GAF
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
				279

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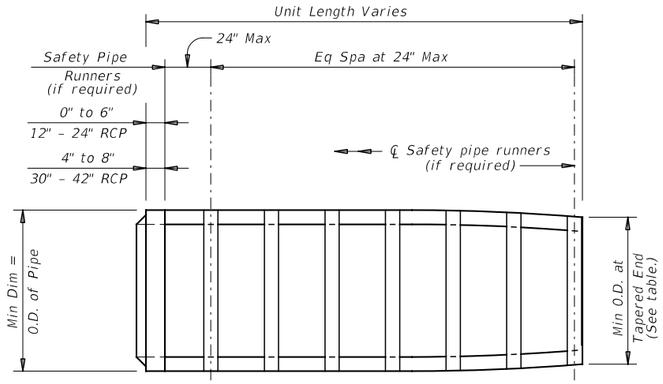
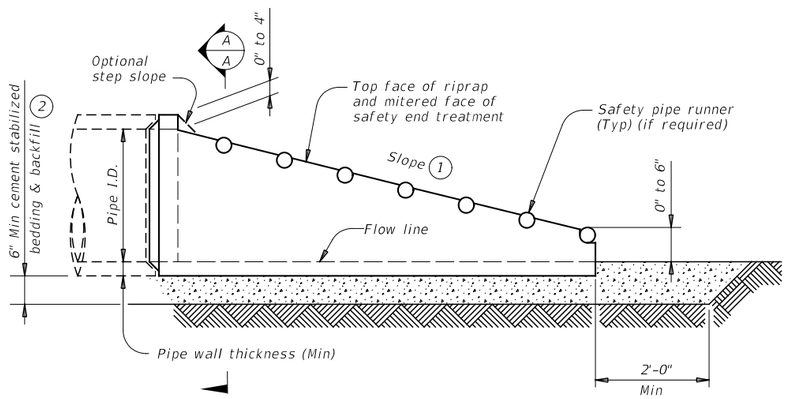


PLAN VIEW – 12" THRU 24"

(Showing spigot end connection.)



LONGITUDINAL ELEVATION - 12" THRU 24"

(Showing spigot end connection.)

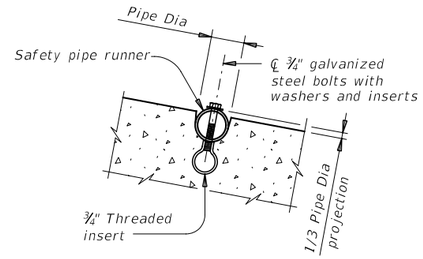
(1) Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.

(2) Provide cement stabilized bedding and backfill in accordance with the Item, "Excavation and Backfill for Structures". Bedding and backfill is considered subsidiary to the Item 467, "Safety End Treatment". When concrete riprap is specified around the safety end treatment, backfill as directed by Engineer.

(3) Fill the top 4" of void between precast end treatments with concrete riprap. Concrete riprap is considered subsidiary to the Item 467, "Safety End Treatment".

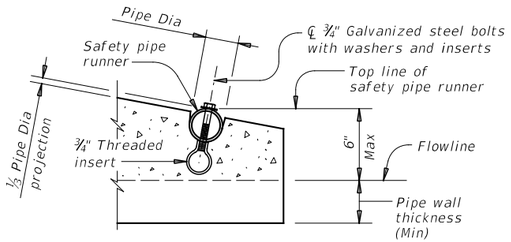
(4) Adjust clear distance between pipes to provide for the minimum distance between safety end treatments.

(5) Safety pipe runners are required for multiple pipe culverts with more than two pipes.

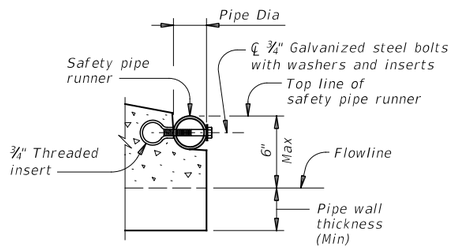


INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS

(If required)



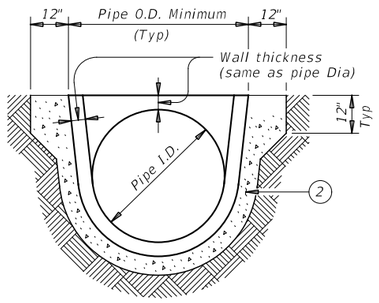
OPTION A



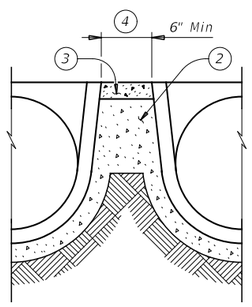
OPTION B

END DETAILS FOR INSTALLATION OF SAFETY PIPE RUNNERS

(If required)



SECTION A-A



MULTIPLE PIPE INSTALLATION

REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

Pipe I.D.	Min Wall Thickness	Min O.D.	Min O.D. at Tapered End	Min Reinf Requirements (sq. in. per ft. of Pipe)	Max Slope	Min Length of Unit	Pipe Runner Requirements		Required Pipe Runner Sizes		
							Single Pipe	Multiple Pipe	Nominal Dia	O.D.	I.D.
12"	2"	16"	16"	0.07 Circ.	6:1	4'–0"	No	(5)	3" STD	3.500"	3.068"
15"	2 ¼"	19 ½"	19"	0.07 Circ.	6:1	5'–8"	No	(5)	3" STD	3.500"	3.068"
18"	2 ½"	23"	21 ½"	0.07 Circ.	6:1	7'–3"	No	(5)	3" STD	3.500"	3.068"
24"	3"	30"	27"	0.07 Circ.	6:1	10'–6"	No	(5)	3" STD	3.500"	3.068"
30"	3 ½"	37"	31"	0.18 Circ.	6:1	12'–1"	No	Yes	4" STD	4.500"	4.026"
36"	4"	44"	36"	0.19 Ellip.	6:1	15'–4"	Yes	Yes	4" STD	4.500"	4.026"
42"	4 ½"	51"	41 ½"	0.23 Ellip.	6:1	18'–7"	Yes	Yes	4" STD	4.500"	4.026"

MATERIAL NOTES:

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Provide pipe runners meeting the requirements of ASTM A53 (Type E or S, Gr B), ASTM A500 Gr B, or API 5LX52.

Galvanize steel components except reinforcing steel after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe (RCP) may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".

When precast safety end treatment is used as a Contractor's alternate to mitered RCP, riprap will not be required unless noted otherwise on the plans.

Manufacture precast concrete end sections in accordance with Item 464, "Reinforced Concrete Pipe" and in accordance with ASTM Specification C-76, Class III, Wall B for circular pipe.

Provide precast concrete end sections with a spigot or bell end for compatibility to upstream or downstream end conditions with sufficient annular space to allow for grout, mortar, cold applied asphalt joint compound or pre-formed plastic gasket material.

Methods of lifting shall be provided by the manufacturer for ease of loading, unloading and installation.

Pipe runners are designed for a traversing load of 10,000 Lbs at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Texas Department of Transportation

Bridge Division Standard

PRECAST SAFETY END TREATMENT

TYPE II ~ PARALLEL DRAINAGE

PSET-RP

FILE: psetrpss-20.dgn	DN: RLW	CK: KLR	DW: JTR	CK: GAF
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REVISIONS				
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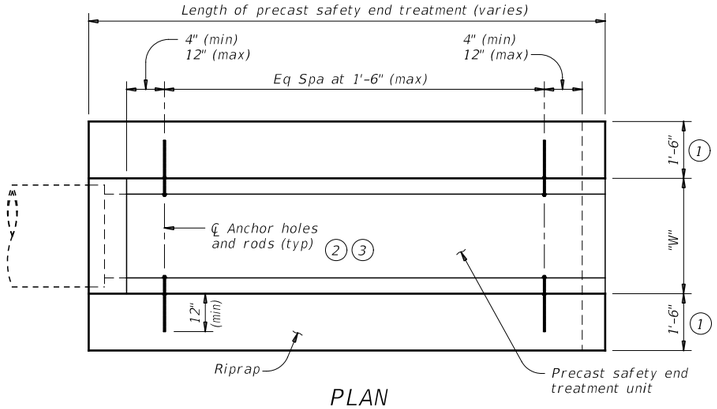
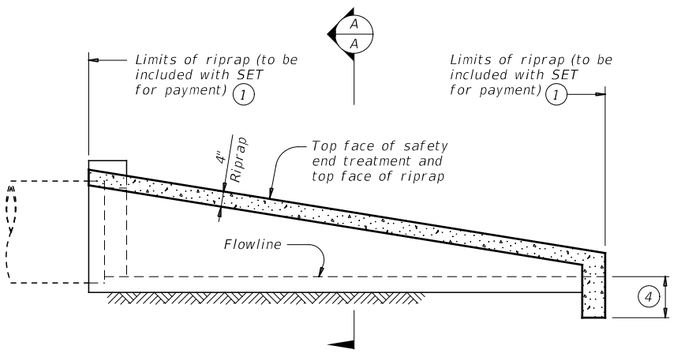
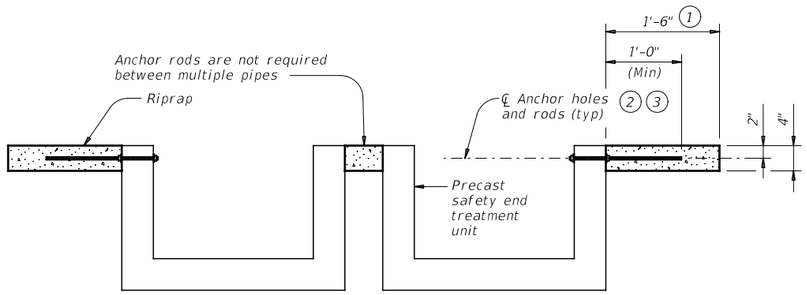


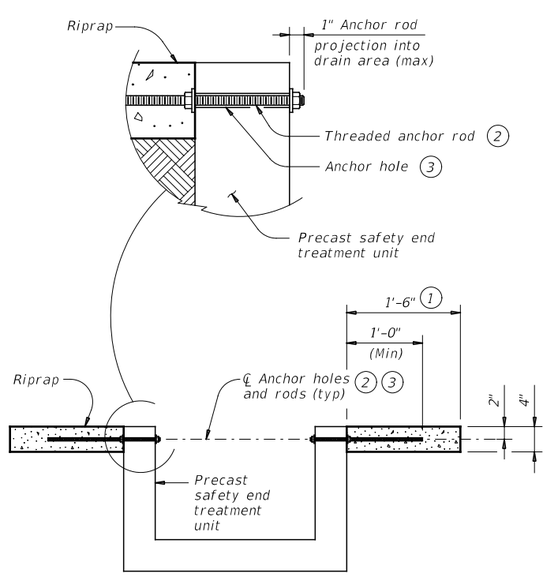
PLAN



LONGITUDINAL ELEVATION



MULTIPLE PIPE INSTALLATION



SINGLE PIPE INSTALLATION

SECTION A-A

ESTIMATED CONCRETE RIPRAP QUANTITIES (CY) (5)

Nominal Culvert (Pipe) I.D.	PSET-SC and PSET-SP Standards				PSET-RC and PSET-RP Standards			
	Unit Width "W"	Side Slope			Unit Width "W"	Side Slope		
		3:1	4:1	6:1		3:1	4:1	6:1
12"	23.0"	0.1	0.2	0.2	16.0"	0.1	0.1	0.2
15"	26.5"	0.2	0.2	0.3	19.5"	0.1	0.2	0.2
18"	30.0"	0.2	0.2	0.3	23.0"	0.2	0.2	0.3
24"	37.0"	0.3	0.3	0.5	30.0"	0.2	0.3	0.4
30"	44.5"	0.3	0.4	0.6	37.0"	0.3	0.3	0.5
36"	51.5"	0.4	0.5	0.7	44.0"	0.3	0.4	0.6
42"	58.5"	0.5	0.6	0.8	51.0"	0.4	0.5	0.7

(1) Riprap placed beyond the limits shown will be paid as concrete riprap in accordance with Item 432, "Riprap". When riprap is cast integrally with the precast safety end treatment, this dimension is 1'-0" minimum.

(2) 1#2" Dia ASTM A307 Gr A threaded anchor rod with 2 nuts and 2 washers. Galvanize all components in accordance with Item 445, "Galvanizing". Repair galvanizing that is damaged during transport or construction in accordance with the specifications.

(3) 3#4" through holes in walls of safety end treatment for riprap anchor rods may be drilled with rotary (coring or masonry) type drilling equipment or may be formed. Do not use percussive (star) type drilling equipment. If holes are drilled, patch spalls in the inside face of the wall exceeding 1#2" from the holes.

(4) Provide riprap toe wall when dimension is shown elsewhere in the plans or when field conditions require a toe wall.

(5) Quantities shown are for one end of one reinforced concrete pipe culvert. For multiple pipe culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only. Quantities are based on the minimum unit lengths shown on the Precast Saftey End Treatment (SET) standard sheets.

MATERIAL NOTES:

Provide Class "B" riprap in accordance with Item 432, "Riprap".
Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise. The anchor rods shown are always required.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".
Refer to PSET-SC or PSET-SP standard sheets for details of square safety end treatments not shown. Refer to PSET-RC or PSET-RP standard sheets for details of round safety end treatments not shown.
For precast units with integrally cast riprap, substitute reinforcing steel in the amount on 0.26 in./ft. minimum for the threaded anchor rods shown. When requested, submit sealed engineering drawings for approval prior to construction. Shop drawings will not be required. Note that a proprietary precast unit with integral riprap is available from L&R Precast Concrete Works, Inc. (956) 583-6293 or www.lrprecast.com.
Payment for riprap and toewalls is included in the price bid for each safety end treatment.

These riprap details are only applicable when notes that require placement of riprap with precast safety end treatments are shown elsewhere in the plans.

Precast units with integrally cast riprap are permitted unless noted otherwise on the plans.

Texas Department of Transportation

Bridge Division Standard

PRECAST SAFETY END TREATMENT
TYPE II
RIPRAP DETAILS

PSET-RR

FILE: psetrrse-20.dgn	DN: GAF	CK: TxDOT	DW: JRP	CK: GAF
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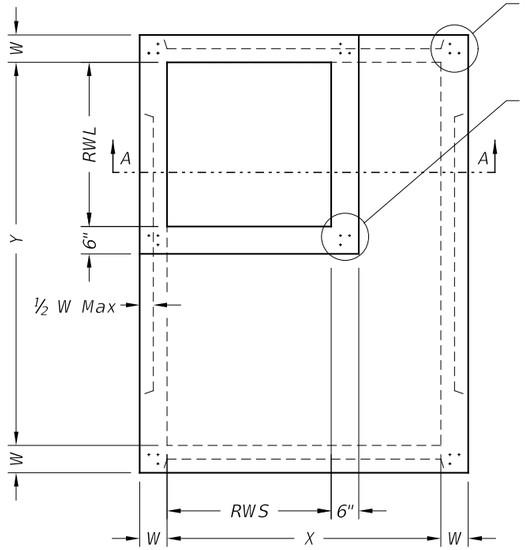
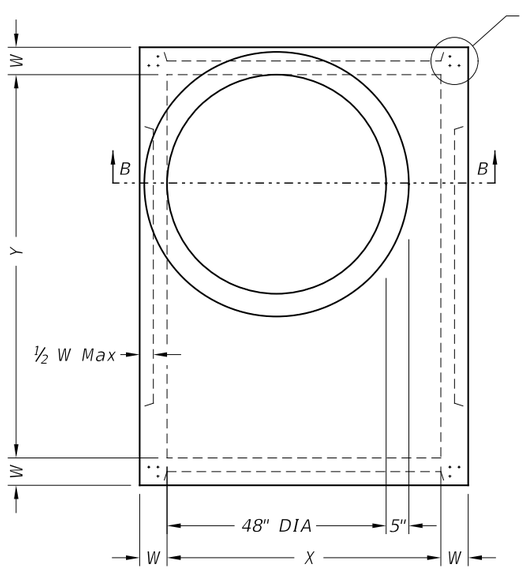


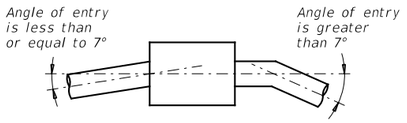
PLAN VIEW "A"

SQUARE REDUCED RISER OPTION



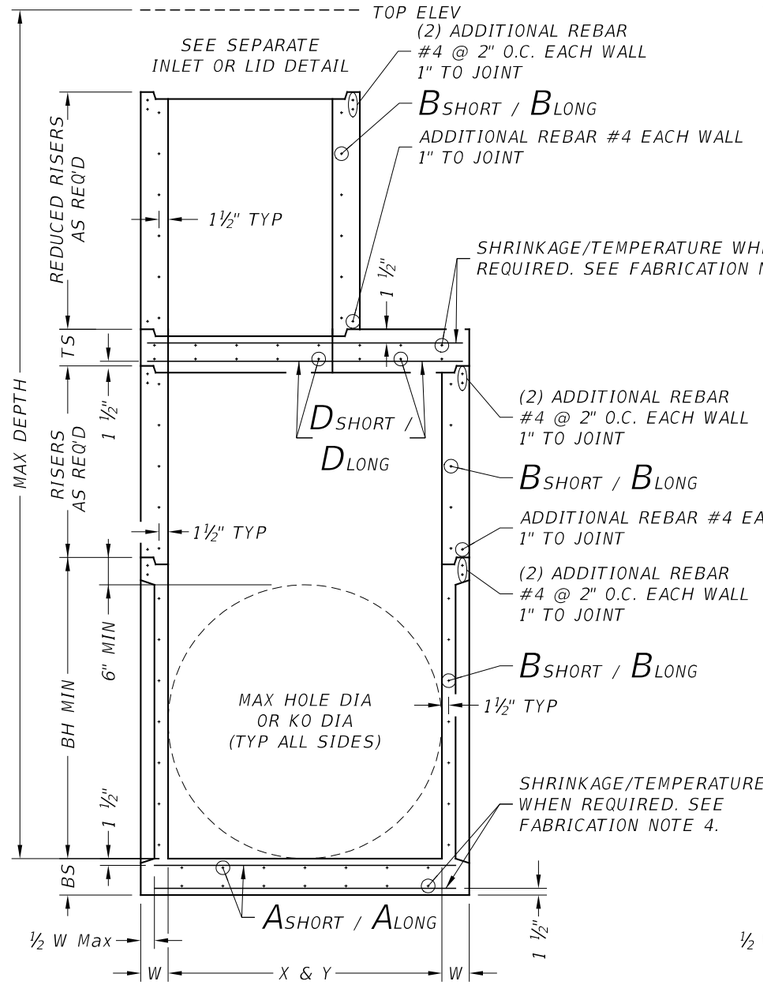
PLAN VIEW "B"

ROUND REDUCED RISER OPTION



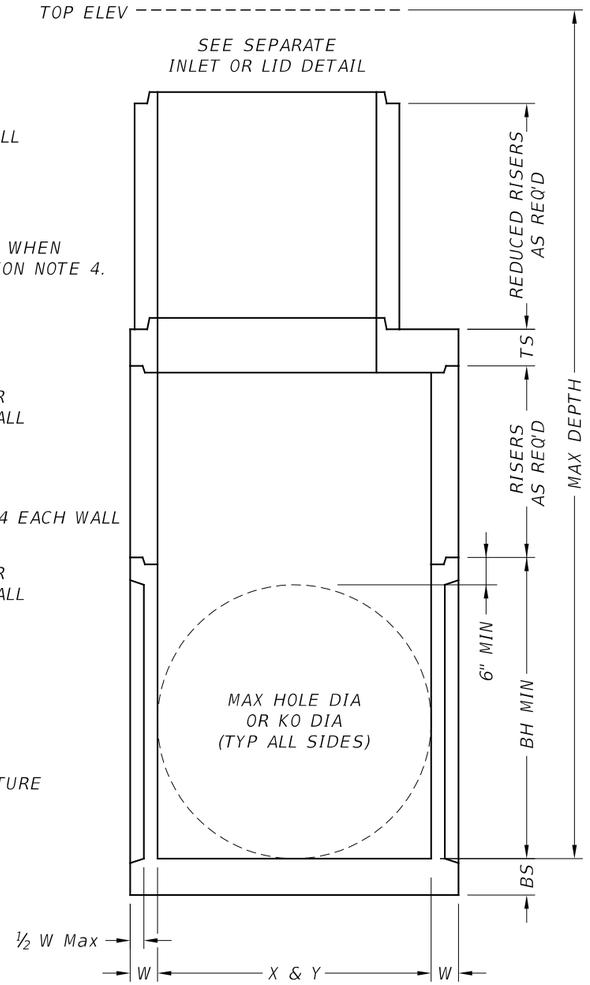
PIPE CONNECTION DETAIL

Connect pipes within 7° of normal to PB wall.
If necessary, use pipe elbow or curved
approach alignment to stay within this limit.



SECTION A-A

SQUARE REDUCED RISER OPTION



SECTION B-B

ROUND REDUCED RISER OPTION

FABRICATION NOTES:

1. Provide Class "H" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
2. Provide Grade 60 reinforcing steel or equivalent area of WWR.
3. Provide typical clear cover of 1 ½" to reinforcing steel at interior or exterior walls.
4. Walls or slabs with a thickness of 8" or greater require shrinkage and temperature reinforcing steel. Provide steel area = 0.11 in^2/ft each way.
5. No substitution is allowed for vertical and horizontal #4 bars in corners.
6. Manufacture base and risers to nearest 3" increment.
7. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
8. Provide lifting devices in conformance with Manufacturer's recommendations.
9. See sheet PDD for sizes, dimensions, and reinforcing steel not shown.

INSTALLATION NOTES:

1. If required elsewhere. Inverts (benching) to be provided by Contractor. Concrete or mortar used for invert is subsidiary to specified inlet or manhole.
2. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations. Tongue and groove joints may be grouted no more than 1" between each section, or ½ the joint depth, whichever is greater.
3. Do not grout rubber gasket joints without Manufacturer's recommendation.
4. For rigid pipe, cut hole in thin wall panel (KO) 4" Max, 2" Min larger than pipe OD.
5. For flexible pipe, consult boot/seal Manufacturer's specification for placement tolerance and hole size. Center pipe in hole and install boot/seal per Manufacturer's specification.

GENERAL NOTES:

1. Precast Base consists of base slab, base unit, risers (as required), reducing slab (as required), and reduced risers (as required). See sheet PDD for sizes.
2. Designed according to ASTM C913.
3. Payment for precast base is subsidiary to the specified inlet, per Item 465, "Junction Boxes, Manholes, and Inlets."

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

PRECAST BASE

PB

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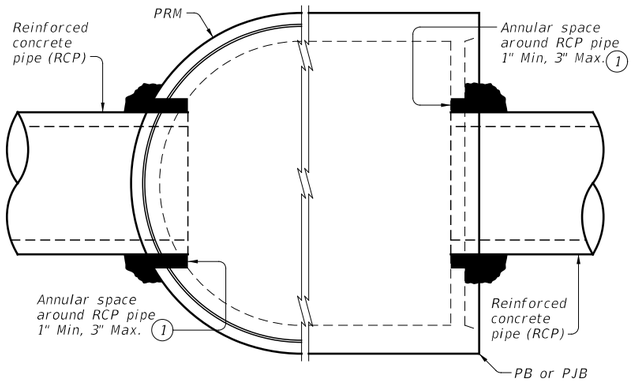
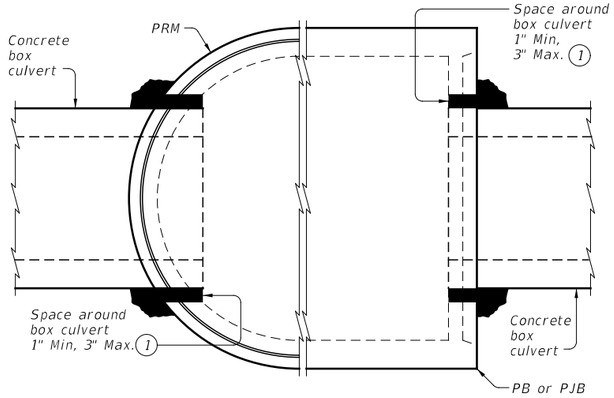


PRECAST ROUND MANHOLE (PRM) WITH THROUGH-HOLE

PRECAST BASE (PB) OR PRECAST JUNCTION BOX (PJB) WITH THIN-WALL KNOCK-OUT

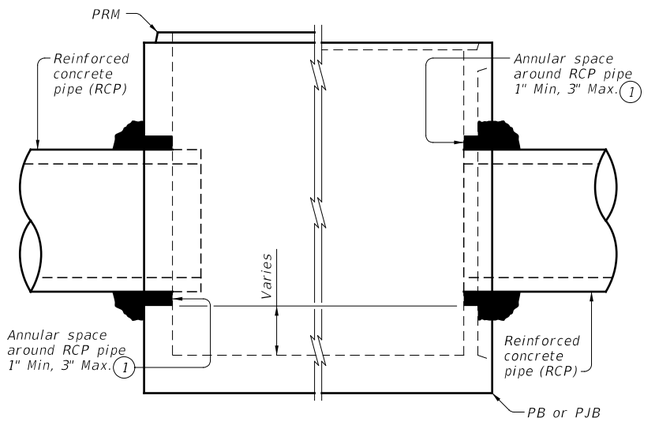
TYPICAL HALF PLAN



PRECAST ROUND MANHOLE (PRM) WITH THROUGH-HOLE

PRECAST BASE (PB) OR PRECAST JUNCTION BOX (PJB) WITH THIN-WALL KNOCK-OUT

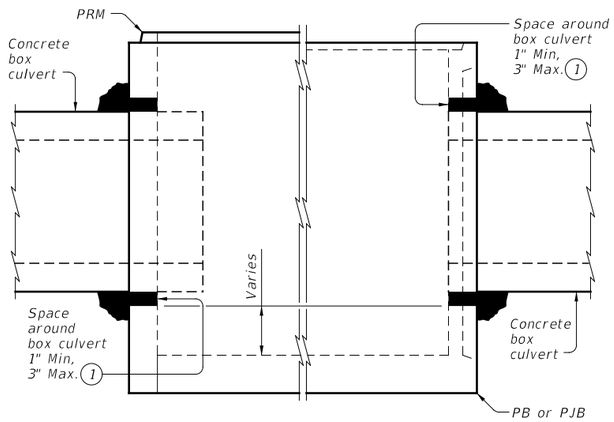
TYPICAL HALF PLAN



PRECAST ROUND MANHOLE (PRM) WITH THROUGH-HOLE

PRECAST BASE (PB) OR PRECAST JUNCTION BOX (PJB) WITH THIN-WALL KNOCK-OUT

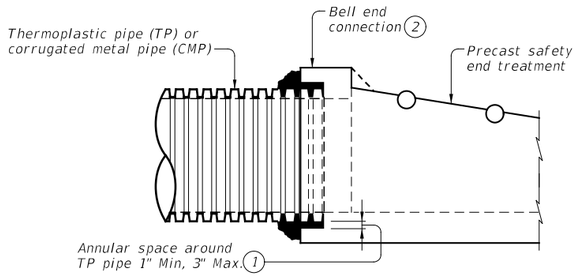
TYPICAL HALF ELEVATION



PRECAST ROUND MANHOLE (PRM) WITH THROUGH-HOLE

PRECAST BASE (PB) OR PRECAST JUNCTION BOX (PJB) WITH THIN-WALL KNOCK-OUT

TYPICAL HALF ELEVATION



TYPICAL PARTIAL ELEVATION OF PRECAST SAFETY END TREATMENTS

Showing square PSET for parallel drainage, cross drainage shown similar.

(1) Completely fill the void between the precast structure and the connecting pipe or box with cementitious grouts and mortars in accordance with DMS-4675 "Cementitious Grouts and Mortars for Miscellaneous Application."

(2) For thermoplastic pipe, do not use bell or spigot for grouted connections. Remove the bell or spigot from the pipe by cutting between two exterior corrugations of the pipe before connecting and grouting the thermoplastic pipe to the structure.

CONSTRUCTION NOTES:

Do not grout rubber gasket joints without Manufacturer's recommendations.

Do not use bricks, masonry blocks, native stone, or similar materials in conjunction with grouted connections when filling void spaces around pipes or box culverts.

MATERIAL NOTES:

Provide grouted connections in accordance with DMS-4675, "Cementitious Grouts and Mortars for Miscellaneous Application."

GENERAL NOTES:

See applicable standards for notes and details not shown:

- Precast Base (PB)
- Precast Junction Box (PJB)
- Precast Round Manhole (PRM)
- Precast Safety End Treatments C/D Square (PSET-SC)
- Precast Safety End Treatments P/D Square (PSET-SP)

Provide Concrete Box Culverts in accordance with Item 462, "Concrete Box Culverts and Drains."

Provide Reinforced Concrete Pipe (RCP) in accordance with Item 464, "Reinforced Concrete Pipe."

Provide Thermoplastic Pipe (TP) in accordance with Item 468, "Thermoplastic Pipe Culverts and Drains".

Payment for grouted connections is considered subsidiary to other bid Items.

Texas Department of Transportation

Bridge Division Standard

PIPE AND BOX GROUTED CONNECTIONS
FOR PRECAST STRUCTURES

PBGC

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		MAX DEPTH = 15 ft. to top of BASE SLAB										MAX DEPTH = 25 ft. to top of BASE SLAB												
		Base Slab			Base Unit or Riser Walls			Below Grade Slab (w/PJB) Reducing Slab (w/PB)				Base Slab			Base Unit or Riser Walls			Below Grade Slab (w/PJB) Reducing Slab (w/PB)				Min Height (See Gen Note 3)	Max HOLE DIA (See Fab Note 2)	Max KO DIA (See Fab Note 2)
	Size	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Reduced Riser Size	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Reduced Riser Size	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness			
	X x Y	Ashort	Along	BS	Bshort	Blong	W	RWSxRWL or ID	Dshort	Dlong	TS	Ashort	Along	BS	Bshort	Blong	W	RWSxRWL or ID	Dshort	Dlong	TS	BH MIN	HOLE DIA	KO DIA
	ft.	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	ft. **	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	ft. **	in^2/ft	in^2/ft	in.	ft.	in.	in.
Precast Junction Box (PJB)	3x3	0.23	0.23	6	0.19	0.19	6	N/A	0.37	0.37	9	0.29	0.29	6	0.24	0.24	6	N/A	0.37	0.37	9	3.5	36	36
	4x4	0.29	0.29	6	0.24	0.24	6	N/A	0.41	0.41	9	0.47	0.47	6	0.38	0.38	6	N/A	0.41	0.41	9	4.5	48	48
	3x5	0.29	0.18	6	0.19	0.35	6	N/A	0.48	0.48	9	0.39	0.18	6	0.23	0.59	6	N/A	0.48	0.48	9	3.5	36/60	36/60
	4x5	0.36	0.18	6	0.22	0.34	6	N/A	0.42	0.42	9	0.53	0.26	6	0.39	0.59	6	N/A	0.42	0.42	9	4.5	48/60	48/60
	5x5	0.36	0.36	6	0.34	0.34	6	N/A	0.43	0.43	9	0.62	0.62	6	0.59	0.59	6	N/A	0.43	0.43	9	5.5	60	60
	5x6	0.27	0.27	9	0.34	0.45	6	N/A	0.48	0.48	9	0.47	0.45	9	0.38	0.54	8	N/A	0.48	0.48	9	5.5	60/72	60/72
	6x6	0.27	0.27	9	0.45	0.45	6	N/A	0.56	0.56	9	0.52	0.52	9	0.54	0.54	8	N/A	0.56	0.56	9	6.5	72	72
	8x8	0.46	0.46	9	0.51	0.51	8	N/A	0.45	0.45	12	0.87	0.87	9	0.59	0.59	10	N/A	0.45	0.45	12	8.5	96	72
Precast Base (PB)	3x3	0.23	0.23	6	0.19	0.19	6	N/A	N/A	N/A	N/A	0.29	0.29	6	0.24	0.24	6	N/A	N/A	N/A	N/A	3.5	36	36
	4x4	0.29	0.29	6	0.24	0.24	6	N/A	N/A	N/A	N/A	0.47	0.47	6	0.38	0.38	6	N/A	N/A	N/A	N/A	4.5	48	48
	3x5	0.29	0.18	6	0.19	0.35	6	3x3	0.30	0.34	9	0.39	0.18	6	0.23	0.59	6	3x3	0.40	0.40	9	3.5	36/60	36/60
	4x5	0.36	0.18	6	0.22	0.34	6	3x3	0.30	0.30	9	0.53	0.26	6	0.39	0.59	6	3x3	0.46	0.37	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	4x4	0.30	0.30	9	0.53	0.26	6	0.39	0.59	6	4x4	0.39	0.39	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	48"	0.39	0.39	9	0.53	0.26	6	0.39	0.59	6	48"	0.47	0.47	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	3x5	0.33	0.40	9	0.53	0.26	6	0.39	0.59	6	3x5	0.48	0.48	9	4.5	48/60	48/60
	5x5	0.36	0.36	6	0.34	0.34	6	3x3	0.34	0.34	9	0.62	0.62	6	0.59	0.59	6	3x3	0.53	0.53	9	5.5	60	60
	5x5	0.36	0.36	6	0.34	0.34	6	4x4	0.36	0.36	9	0.62	0.62	6	0.59	0.59	6	4x4	0.64	0.64	9	5.5	60	60
	5x5	0.38	0.38	6	0.34	0.34	6	48"	0.36	0.36	9	0.62	0.62	6	0.59	0.59	6	48"	0.64	0.64	9	5.5	60	60
	5x5	0.36	0.36	6	0.34	0.34	6	3x5	0.34	0.40	9	0.62	0.62	6	0.59	0.59	6	3x5	0.53	0.53	9	5.5	60	60
	5x6	0.31	0.31	9	0.34	0.45	6	3x3	0.34	0.34	9	0.47	0.45	9	0.38	0.54	8	3x3	0.61	0.50	9	5.5	60/72	60/72
	5x6	0.27	0.27	9	0.34	0.45	6	4x4	0.36	0.45	9	0.47	0.45	9	0.38	0.54	8	4x4	0.74	0.57	9	5.5	60/72	60/72
	5x6	0.29	0.29	9	0.34	0.45	6	48"	0.36	0.45	9	0.47	0.45	9	0.38	0.54	8	48"	0.74	0.57	9	5.5	60/72	60/72
	5x6	0.29	0.29	9	0.34	0.45	6	3x5	0.45	0.45	9	0.47	0.45	9	0.38	0.54	8	3x5	0.61	0.61	9	5.5	60/72	60/72
	6x6	0.29	0.29	9	0.45	0.45	6	3x3	0.41	0.41	9	0.52	0.52	9	0.54	0.54	8	3x3	0.74	0.74	9	6.5	72	72
	6x6	0.27	0.27	9	0.45	0.45	6	4x4	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	4x4	0.87	0.87	9	6.5	72	72
	6x6	0.29	0.29	9	0.45	0.45	6	48"	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	48"	0.87	0.87	9	6.5	72	72
	6x6	0.29	0.29	9	0.45	0.45	6	3x5	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	3x5	0.87	0.87	9	6.5	72	72
	8x8	0.52	0.52	9	0.51	0.51	8	3x3	0.61	0.61	12	0.91	0.91	9	0.70	0.70	10	3x3	0.85	0.85	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	4x4	0.70	0.70	12	0.87	0.87	9	0.70	0.70	10	4x4	1.01	1.01	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	48"	0.70	0.70	12	0.87	0.87	9	0.70	0.70	10	48"	1.01	1.01	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	3x5	0.70	0.85	12	0.87	0.87	9	0.70	0.70	10	3x5	1.01	1.01	12	8.5	96	72

** Unless otherwise indicated.

FABRICATION NOTES:
1. Maximum spacing of reinforcement is 8".
2. At manufacturer's option, provide cast or cored holes or thin wall panels (KO) to the maximum diameter shown for each. When no penetration is required, it is acceptable to provide a wall with no sectional reduction.

GENERAL NOTES:
1. Precast Junction Box consists of base slab, base unit, risers (as required), and below grade slab. See sheet PJB for details.
2. Precast Base consists of base slab, base unit, risers (as required), reducing slab (as required), and reduced risers (as required). See sheet PB for details.
3. Min Height shown is for stock base units. Use stock base units whenever practical. Smaller height base units can be used in special installation circumstances, when noted elsewhere in the plans. Absolute minimum height of base units is 2'-6".

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DESIGN DATA FOR PRECAST BASE AND JUNCTION BOX

PDD

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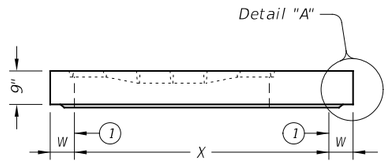
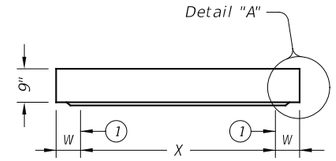
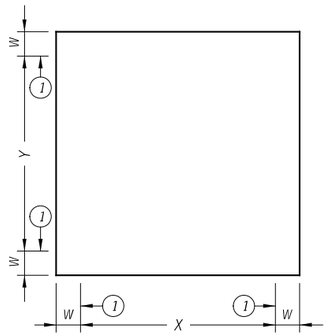
DATE:
FILE:



STYLE 'FG'



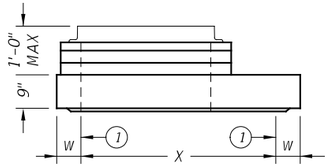
ELEVATION VIEW



PLAN VIEW

NO OPENINGS

STYLE 'SL'



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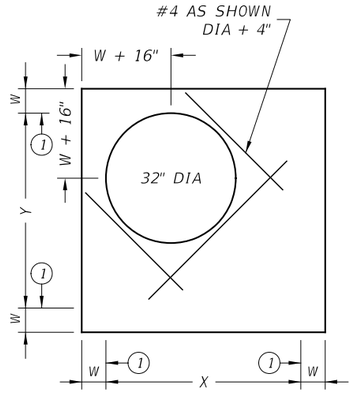
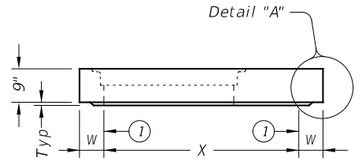


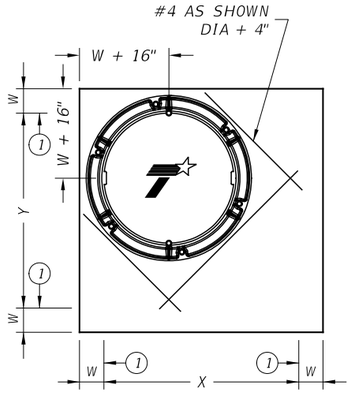
PLAN VIEW

SHIP LOOSE RING & COVER

STYLE 'RH'



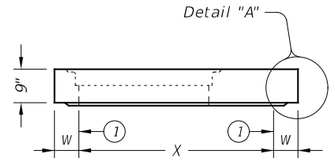
ELEVATION VIEW



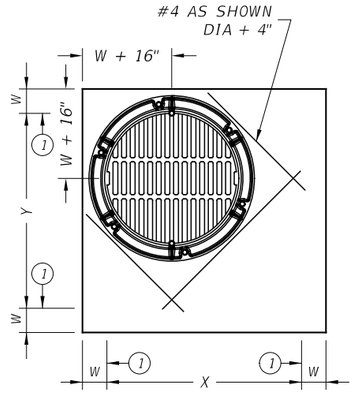
PLAN VIEW

32" DIA CAST-IN RING & COVER

STYLE 'RC'



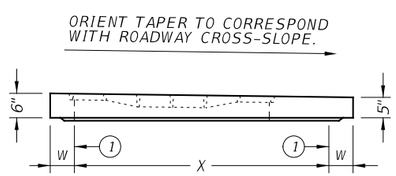
ELEVATION VIEW



PLAN VIEW

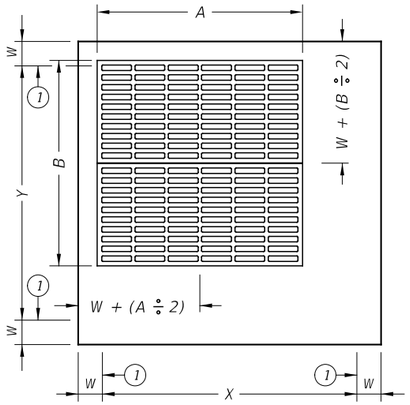
32" DIA CAST-IN RING & GRATE

STYLE 'RG'



STYLE 'SFG'

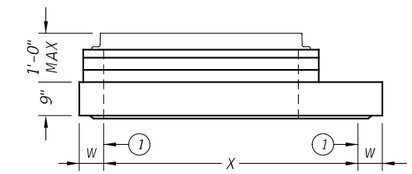
ELEVATION VIEW



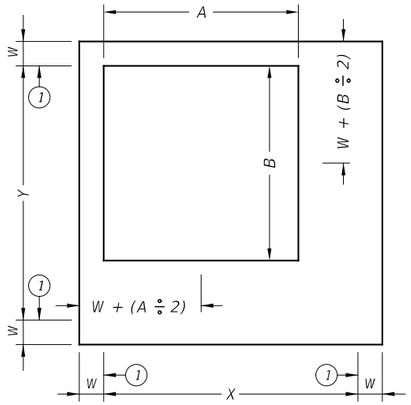
PLAN VIEW

CAST-IN FRAME & GRATE

STYLES 'FG' & 'SFG'



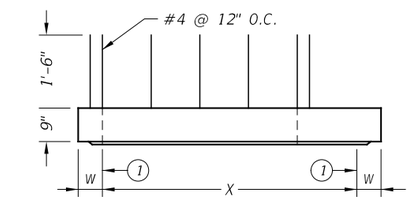
ELEVATION VIEW



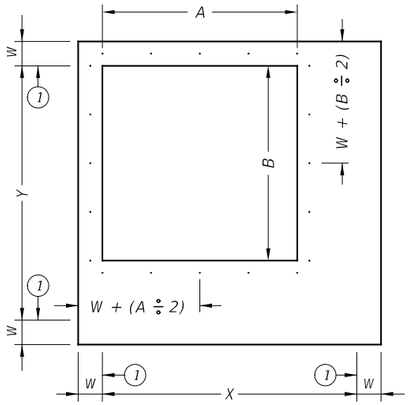
PLAN VIEW

SHIP LOOSE FRAME & GRATE

STYLE 'SH'



ELEVATION VIEW



PLAN VIEW

EXPOSED REBAR

STYLE 'S1'

(1) Matches inside face of wall of precast base or riser below inlet.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

PRECAST SLAB LID

PSL

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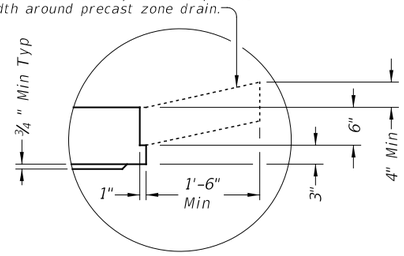
Style	Size (X x Y)	W (2)	A x B (nominal)	Short Span Reinf Steel Area	Long Span Reinf Steel Area
SL	3'x3'	6"	n/a	0.37 in²/ft	0.37 in²/ft
RH,RC,RG,SH,S1,FG	3'x3'	6"	3'x3' or 32" Dia	0.37 in²/ft	0.37 in²/ft
SFG	3'x3'	6"	3'x3'	0.32 in²/ft	0.32 in²/ft
SL	4'x4'	6"	n/a	0.34 in²/ft	0.34 in²/ft
RH,RC,RG,SH,S1,FG	4'x4'	6"	3'x3' or 32" Dia	0.41 in²/ft	0.41 in²/ft
SH,S1,FG	4'x4'	6"	4'x4'	0.41 in²/ft	0.41 in²/ft
SFG	4'x4'	6"	4'x4'	0.32 in²/ft	0.32 in²/ft
SL	3'x5'	6"	n/a	0.39 in²/ft	0.39 in²/ft
RH,RC,RG,SH,S1,FG	3'x5'	6"	3'x3' or 32" Dia	0.48 in²/ft	0.48 in²/ft
SH,S1,FG	3'x5'	6"	3'x5'	0.48 in²/ft	0.48 in²/ft
SFG	3'x5'	6"	3'x5'	0.32 in²/ft	0.32 in²/ft
SL	4'x5'	6"	n/a	0.42 in²/ft	0.42 in²/ft
RH,RC,RG,SH,S1,FG	4'x5'	6"	3'x3' or 32" Dia	0.42 in²/ft	0.42 in²/ft
SH,S1,FG	4'x5'	6"	4'x4'	0.63 in²/ft	0.63 in²/ft
SH,S1,FG	4'x5'	6"	3'x5'	0.66 in²/ft	0.66 in²/ft
SL	5'x5'	6"	n/a	0.36 in²/ft	0.36 in²/ft
RH,RC,RG,SH,S1,FG	5'x5'	6"	3'x3' or 32" Dia	0.43 in²/ft	0.43 in²/ft
SH,S1,FG	5'x5'	6"	4'x4'	0.63 in²/ft	0.63 in²/ft
SH,S1,FG	5'x5'	6"	3'x5'	0.63 in²/ft	0.63 in²/ft
SL	5'x6'	6"/8"	n/a	0.48 in²/ft	0.48 in²/ft
RH,RC,RG,SH,S1,FG	5'x6'	6"/8"	3'x3' or 32" Dia	0.48 in²/ft	0.48 in²/ft
SH,S1,FG	5'x6'	6"/8"	4'x4'	0.60 in²/ft	0.60 in²/ft
SH,S1,FG	5'x6'	6"/8"	3'x5'	0.60 in²/ft	0.60 in²/ft
SL	6'x6'	6"/8"	n/a	0.43 in²/ft	0.43 in²/ft
RH,RC,RG,SH,S1,FG	6'x6'	6"/8"	3'x3' or 32" Dia	0.56 in²/ft	0.56 in²/ft
SH,S1,FG	6'x6'	6"/8"	4'x4'	0.56 in²/ft	0.56 in²/ft
SH,S1,FG	6'x6'	6"/8"	3'x5'	0.59 in²/ft	0.59 in²/ft
SL	8'x8'	8"/10"	n/a	0.45 in²/ft	0.45 in²/ft
RH,RC,RG,SH,S1,FG	8'x8'	8"/10"	3'x3' or 32" Dia	0.45 in²/ft	0.45 in²/ft
SH,S1,FG	8'x8'	8"/10"	4'x4'	0.45 in²/ft	0.45 in²/ft
SH,S1,FG	8'x8'	8"/10"	3'x5'	0.45 in²/ft	0.45 in²/ft

(2) See sheet PDD for corresponding wall thickness (W) of base unit or riser.

Construct cast-in-place reinforced concrete apron, when shown elsewhere in plans. Use Class "A" concrete. Apron is subsidiary to PSL. Apron is 1'-6" Min width around precast zone drain.



DETAIL "A"

(Reinforcing not shown for clarity)

When an apron is to be cast around PSL, use detail above to create an apron ledge on all 4 sides.

FABRICATION NOTES:

1. Locate penetration (Style 'RH'), ring and cover (Style 'RC'), ring and grate (Style 'RG'), and frame and grate (Style 'FG') in a corner. Only one penetration is allowed per slab lid.
2. Provide Class "H" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
3. Provide Grade 60 reinforcing steel or equivalent area of WWR.
4. Provide clear cover of ¾" to reinforcing from lower outside shoulder of slab for structural reinforcement, and 2" from top of slab for shrinkage and temperature reinforcement. Place short span reinforcing closest to surface.
5. Slabs with a thickness of 8" or greater require shrinkage and temperature reinforcing. Provide steel area = 0.11 in²/ft each way.
6. No substitution is allowed for diagonal #4 bars around openings.
7. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
8. Provide lifting devices in conformance with Manufacturer's recommendations.

INSTALLATION NOTES:

1. Precast slab lids are intended for direct traffic and may be placed in roadway.
2. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations. Tongue and groove joints may be grouted no more than 1" between each section, or ½ the joint depth, whichever is greater.
3. Do not grout rubber gasket joints without Manufacturer's recommendation.
4. Initial installation of grade adjustment rings for Styles 'RH' and 'SH' is limited to 1'-0" Max as shown.
5. Grade adjustment rings for Styles 'RH' and 'SH' may be increased to 2'-0" Max when future construction affects final grade of structure. Make adjustments greater than 2'-0" with additional risers. Adjustments can be made up to Max depth shown on sheet PDD. Structure must be evaluated if Max depth will be exceeded.
6. Orient long dimension of grate slots perpendicular to traffic, unless noted otherwise on plans

GENERAL NOTES:

1. Designed according to ASTM C913.
2. Payment for lid is per Item 465, "Junction Boxes, Manholes, and Inlets" by type, style, size, and opening size (when applicable).

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation

Bridge Division Standard

PRECAST SLAB LID

PSL

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	DIST	COUNTY		SHEET NO.
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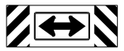
DATE: 11/6/2024 2:10
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILC0302-CR255_CR289/Design_Plans/sums16.dgn

SUMMARY OF SMALL SIGNS

SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	POST TYPE FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	POSTS 1 or 2	ANCHOR TYPE UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	MOUNTING DESIGNATION PREFABRICATED P = "Plain" T = "T" U = "U"	1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels	BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE TY N TY S
1	1	W1-7T		96"X36"	X		S80	1	SA	T		
1	2	D3-3T	CR 254	30"X8"	X		S80	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36"X18"								
1	3	D20-2T	CO RD 254	24"X24"	X		TWT	1	WS	P		
1	4	W3-1		36"X36"	X		TWT	1	WS	P		
1	5	R2-1	SPEED LIMIT XX	30"X36"	X		TWT	1	WS	P		
1	6	W2-4		36"X36"	X		TWT	1	WS	P		
3	1	W1-7T		96"X36"	X		S80	1	SA	T		
3	2	D3-1G(3)	Bon Winde Rd	48"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
4	1	D3-1G(3)	Hill Top Springs Rd	60"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
4	2	D3-1G(3)	Daniels Mountain Rd	60"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
4	3	W1-7T		96"X36"	X		S80	1	SA	T		

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

http://www.txdot.gov/

NOTE:

1. Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
2. For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS)Standard Sheet.
3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

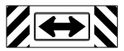
Texas Department of Transportation — Traffic Operations Division Standard

SUMMARY OF SMALL SIGNS

SOSS

FILE: sums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT May 1987	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
4-16	DIST	COUNTY		SHEET NO.
8-16	AUS	WILLIAMSON		287

SUMMARY OF SMALL SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX) POST TYPE: FRP = Fiberglass, TWT = Thin-Wall, 10BWG = 10 BWG, S80 = Sch 80	POSTS: 1 or 2	ANCHOR TYPE: UA=Universal Conc, UB=Universal Bolt, SA=Slipbase-Conc, SB=Slipbase-Bolt, WS=Wedge Steel, WP=Wedge Plastic	MOUNTING DESIGNATION: PREFABRICATED: P = "Plain", T = "T", U = "U"	MOUNTING DESIGNATION: 1EXT or 2EXT = # of Ext, BM = Extruded Wind Beam, WC = 1.12 #/ft Wing Channel, EXAL= Extruded Alum Sign Panels	BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE: TY N, TY S
4	4	W1-7T		96"X36"	X		S80	1	SA	T		
4	5	D3-1G(3)	BIG OAKS DR	42"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
4	6	R3-8CR	ONLY ONLY	36"X30"	X		TWT	1	SA	P		
5	1	D3-1G(3)	Lost Spring Lake Rd	60"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
5	2	D3-1G(3)	Timber Ranch Dr	54"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
5	3	W1-7T		96"X36"	X		S80	1	SA	T		
5	4	D3-1G(3)	Powder Horn Rd	54"X8"	X		10BWG	1	SA	P	BM	
		D3-3T	CR 255	30"X8"								
		R1-1	STOP	36"X36"								
5	5	D1-2	CR 289 / CR 255	54"X24"	X		10BWG	1	SA	T		
6	1	D1-2	CR 255 / CR 255	54"X24"	X		10BWG	1	SA	T		
7	1	W2-4		36"X36"	X		TWT	1	WS	P		
8	1	W3-1		36"X36"	X		TWT	1	WS	P		

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

http://www.txdot.gov/

NOTE:

1. Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
2. For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS)Standard Sheet.
3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

Texas Department of Transportation — Traffic Operations Division Standard

SUMMARY OF SMALL SIGNS

SOSS

FILE: sums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT May 1987	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-16 8-16				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		288

18

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DATE: 11/6/2024 2:10
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design/Data/sums16.dgn

SUMMARY OF SMALL SIGNS

SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	POST TYPE FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	POSTS 1 or 2	ANCHOR TYPE UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	MOUNTING DESIGNATION PREFABRICATED P = "Plain" T = "T" U = "U"	MOUNTING DESIGNATION 1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels	BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE TY N TY S
8	2	R2-1	SPEED LIMIT XX	30"X36"	X		TWT	1	WS	P		
8	3	D3-2(1)	Ronald W Reagan Blvd NEXT INTERSECTION	114"X30"	X		S80	1	SA	U	BM	
8	4	R3-5R	ONLY	36"X30"	X		TWT	1	WS	P		
8	5	D3-1G(3)	Ronald Reagan Blvd	60"X8"	X		** - MOUNTED BACK	TO BACK	SA	P	BM	
		D3-1G(3)	← CR 289 ALT **	36"X8"								
		R4-4	CR 289 ALT → **	36"X8"			S80	1				
		R1-1	STOP	36"X36"								
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36"X18"								
8	6	W1-7T		96"X36"	X		S80	1	SA	T		
INT 1	1	W1-7T		96"X36"	X		S80	1	SA	T		
INT 1	2	D3-3T	↑ CR 289 CR 255 → **	42"X8"	X		** - MOUNTED BACK	TO BACK	SA	P	BM	
		D3-3T	← CR 255 CR 255 ↑ **	42"X8"								
		D3-3T	← CR 255 CR 289 →	42"X8"			S80	1				
		R1-1	STOP	36"X36"								
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36"X18"								
INT 1	3	W3-1		36"X36"	X		TWT	1	WS	P		

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

http://www.txdot.gov/

NOTE:

1. Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
2. For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS)Standard Sheet.
3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

Texas Department of Transportation

Traffic Operations Division Standard

SUMMARY OF SMALL SIGNS

SOSS

FILE: sums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT May 1987	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
4-16	DIST	COUNTY		SHEET NO.
8-16	AUS	WILLIAMSON		289

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SUMMARY OF SMALL SIGNS

SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION: PREFABRICATED	MOUNTING DESIGNATION: 1EXT or 2EXT = # of Ext	BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE
							FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	1 or 2	UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	P = "Plain" T = "T" U = "U"	BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels	TY N TY S
INT 1	4	D3-3T	CR 289	30"X8"	X		S80	1	SA	P	BM	
		D3-3T	←CR 289 ALT CR 289→	54"X8"								
		R1-1	STOP	36"X36"								
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36"X18"								
INT 1	5	D1-3	↑ BIG VALLEY ← CR 289 ALT CR 289 →	66"X36"	X		S80	1	SA	T		
INT 1	6	D3-3T	Big Valley Spur	48"X8"	X		S80	1	SA	P	BM	
		D3-3T	←CR 289 CR 289 ALT→	54"X8"								
		R1-1	STOP	36"X36"								
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36"X18"								
INT 1	7	D1-3	↑ CR 289 ← CR 289 CR 289 ALT →	66"X36"	X		S80	1	SA	T		
INT 1	8	W3-1		36"X36"	X		TWT	1	WS	P		
INT 1	9	W3-1		36"X36"	X		TWT	1	WS	P		
RR 1	1	W2-2R		36"X36"	X		TWT	1	WS	P		
RR 1	2	D20-1T	CO RD 289 ALT ←	36"X24"	X		TWT	1	WS	P		
RR 1	3	R1-2	YIELD	36"X36"X36"	X		TWT	1	WS	P		
RR 1	4	R3-7R	RIGHT LANE MUST TURN RIGHT	36"X36"	X		TWT	1	WS	P		
RR 1	5	R4-4	BEGIN RIGHT TURN LANE YIELD TO BIKES	36"X30"	X		TWT	1	WS	P		
RR 1	6	D20-1T	CO RD 289 ALT →	36"X24"	X		TWT	1	WS	P		
RR 1	7	W2-2R		36"X36"	X		TWT	1	WS	P		

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

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NOTE:

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3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

SHEET 4 OF 4

Texas Department of Transportation

Traffic Operations Division Standard

SUMMARY OF SMALL SIGNS

SOSS

FILE: sums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT May 1987	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
4-16 8-16	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		290

18

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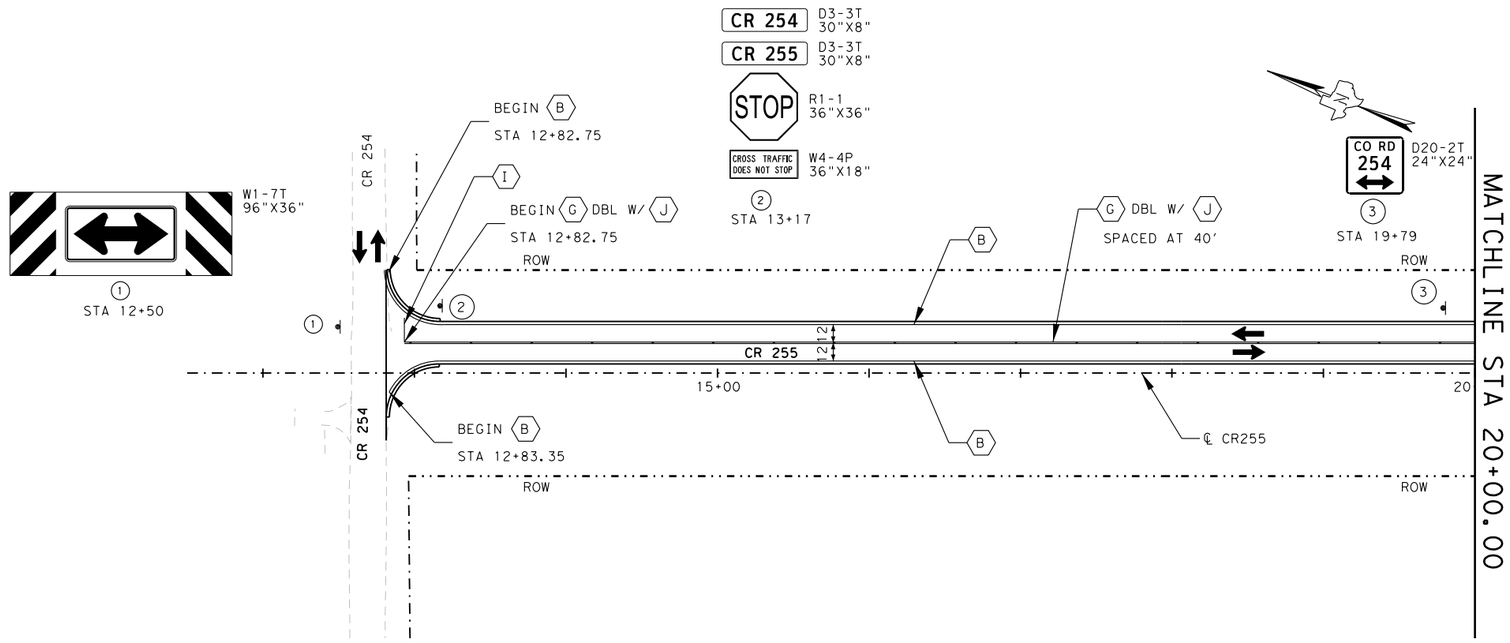

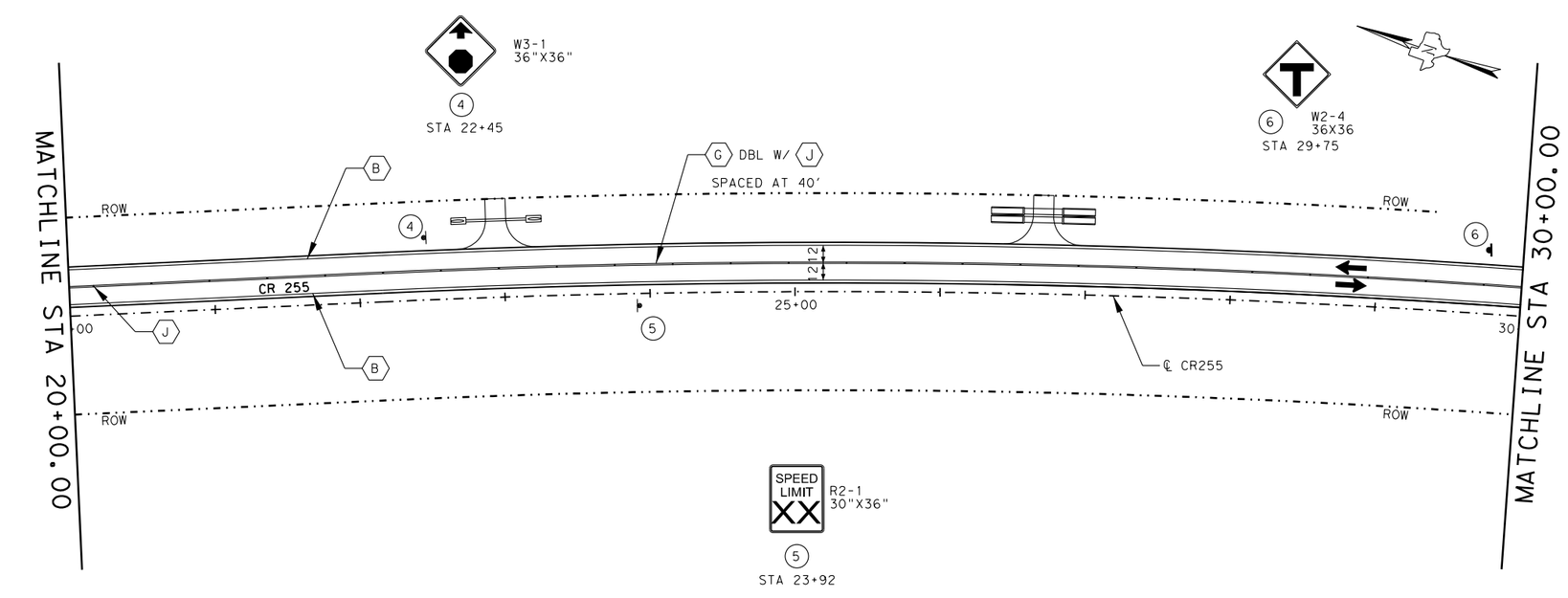

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SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	3470
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	3417
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	16
J	672	REFL PAV MRKR TY II-A-A	EA	52
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255 SIGNING AND PAVEMENT MARKING LAYOUT BEGIN TO STA 30+00

SHEET 1 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			291

USER: korahoske
DATE: 11/6/2024 2:10
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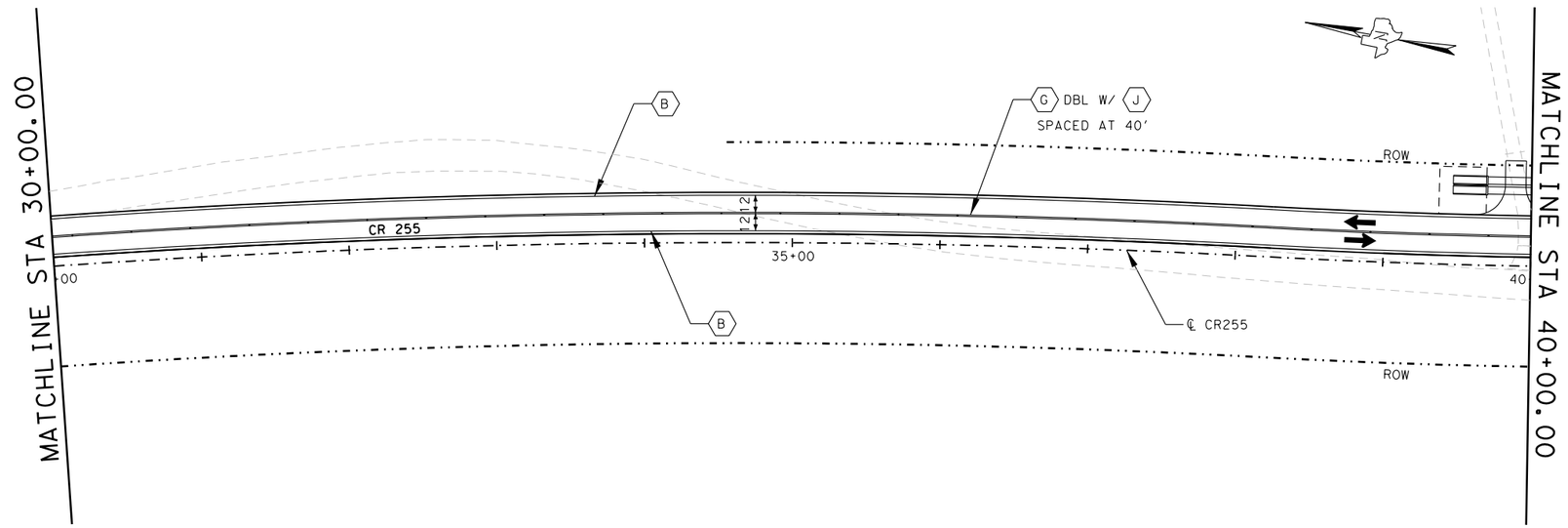

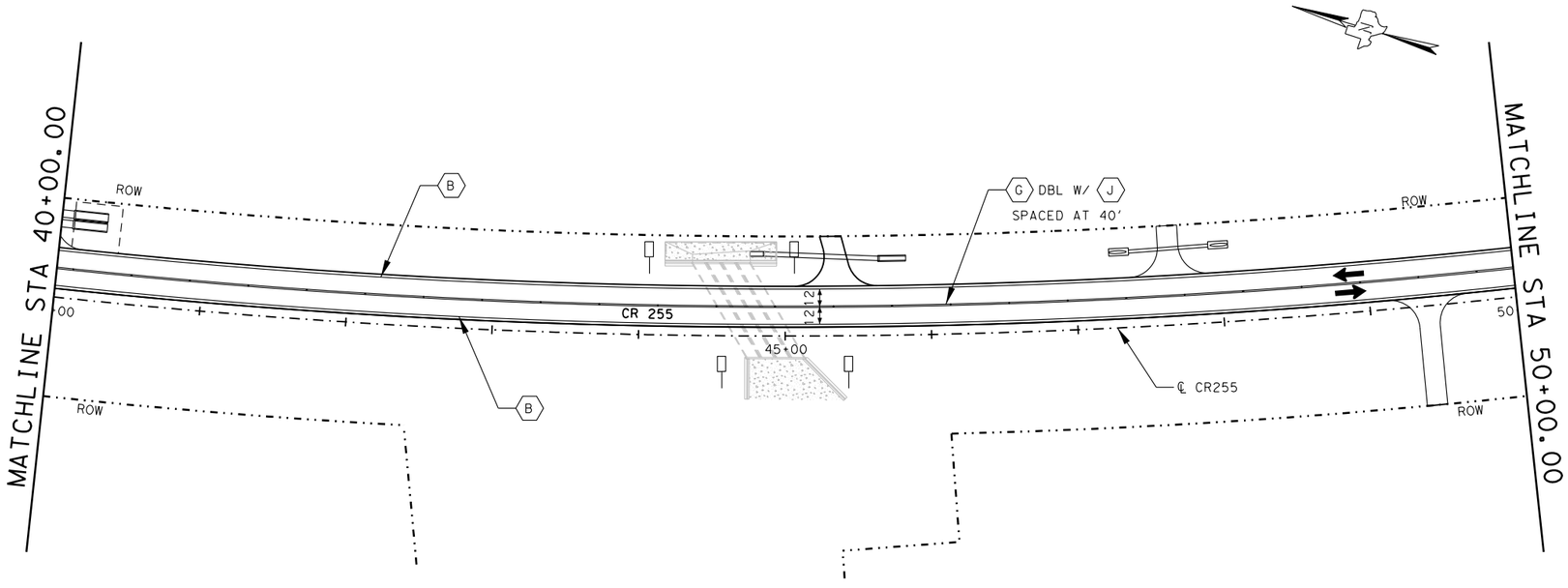

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SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	4
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	4008
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	4006
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	
J	672	REFL PAV MRKR TY II-A-A	EA	52
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 30+00 TO STA 50+00

SHEET 2 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			292

USER: koralhoske
DATE: 11/6/2024 2:10
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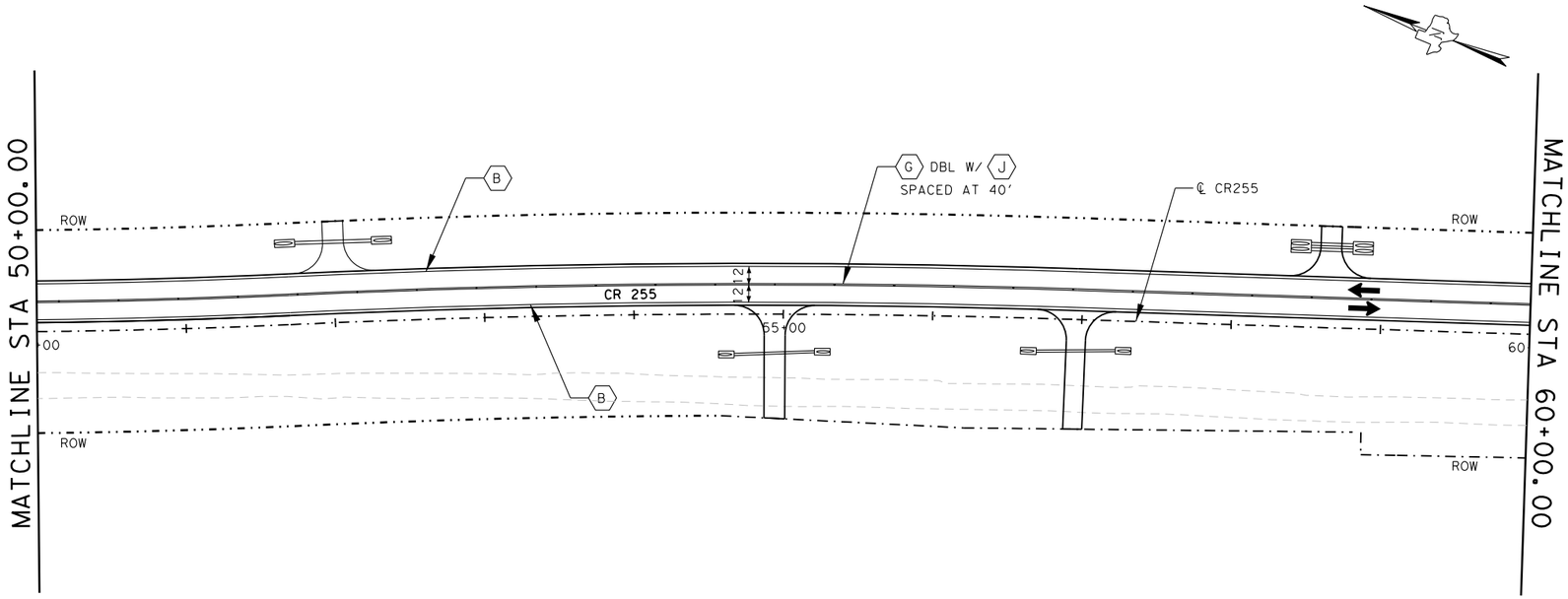

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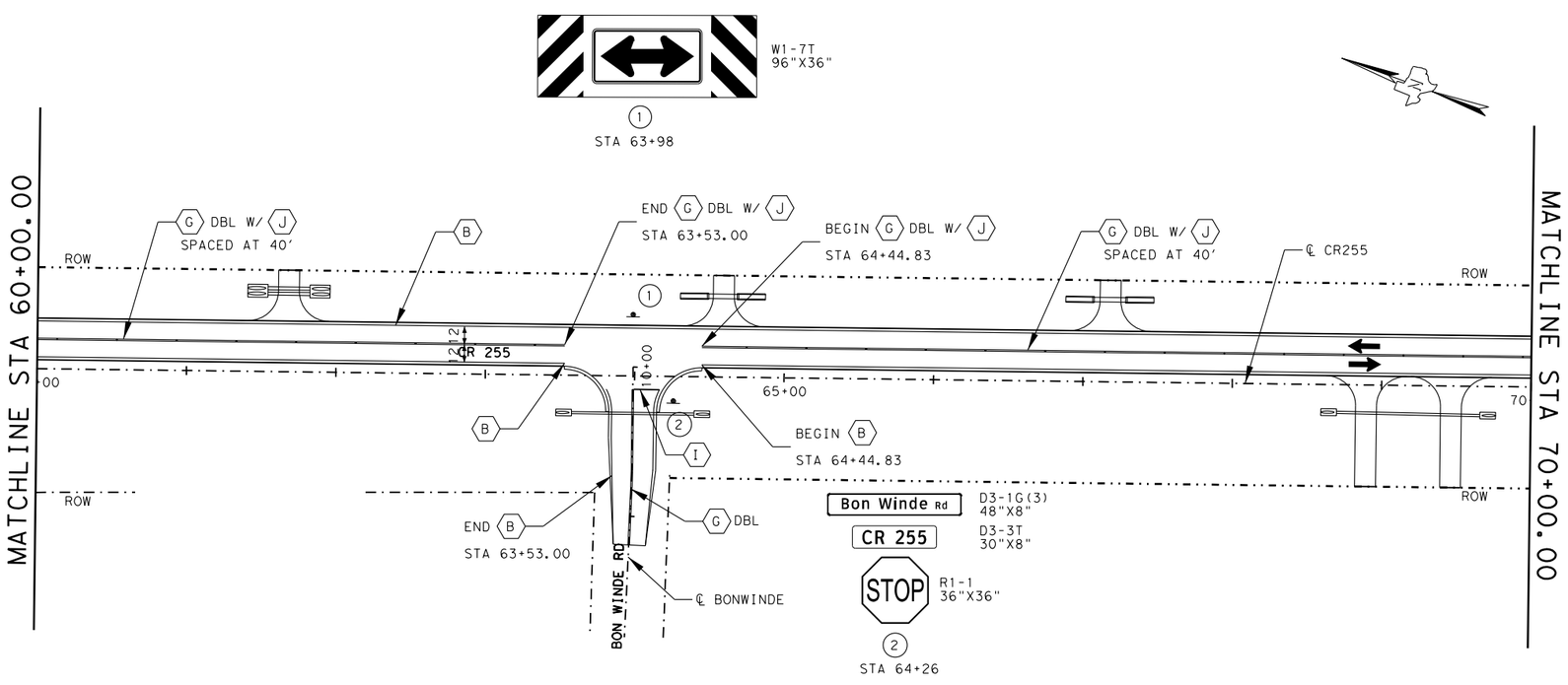
SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	4106
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	3916
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	17
J	672	REFL PAV MRKR TY II-A-A	EA	50
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 50+00 TO STA 70+00

SHEET 3 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			293

USER: korathoske
DATE: 11/6/2024 2:10
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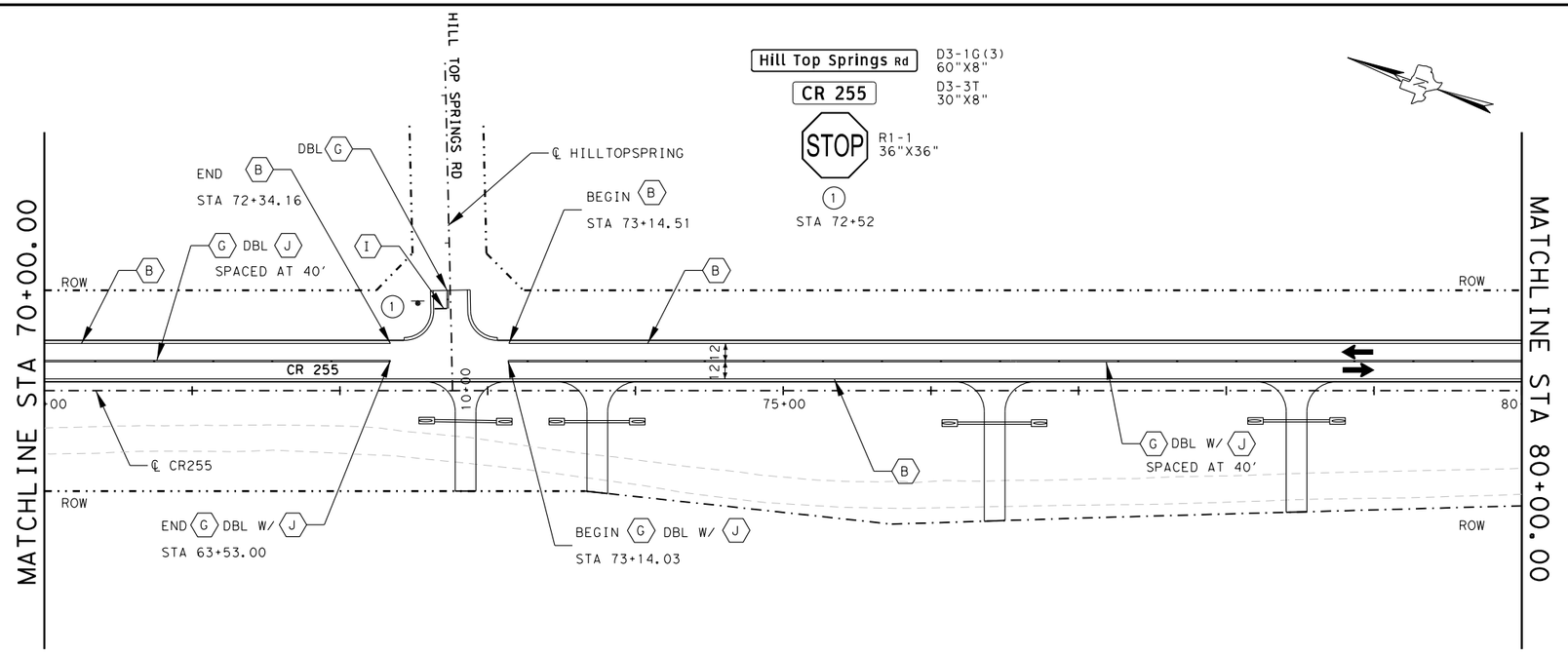

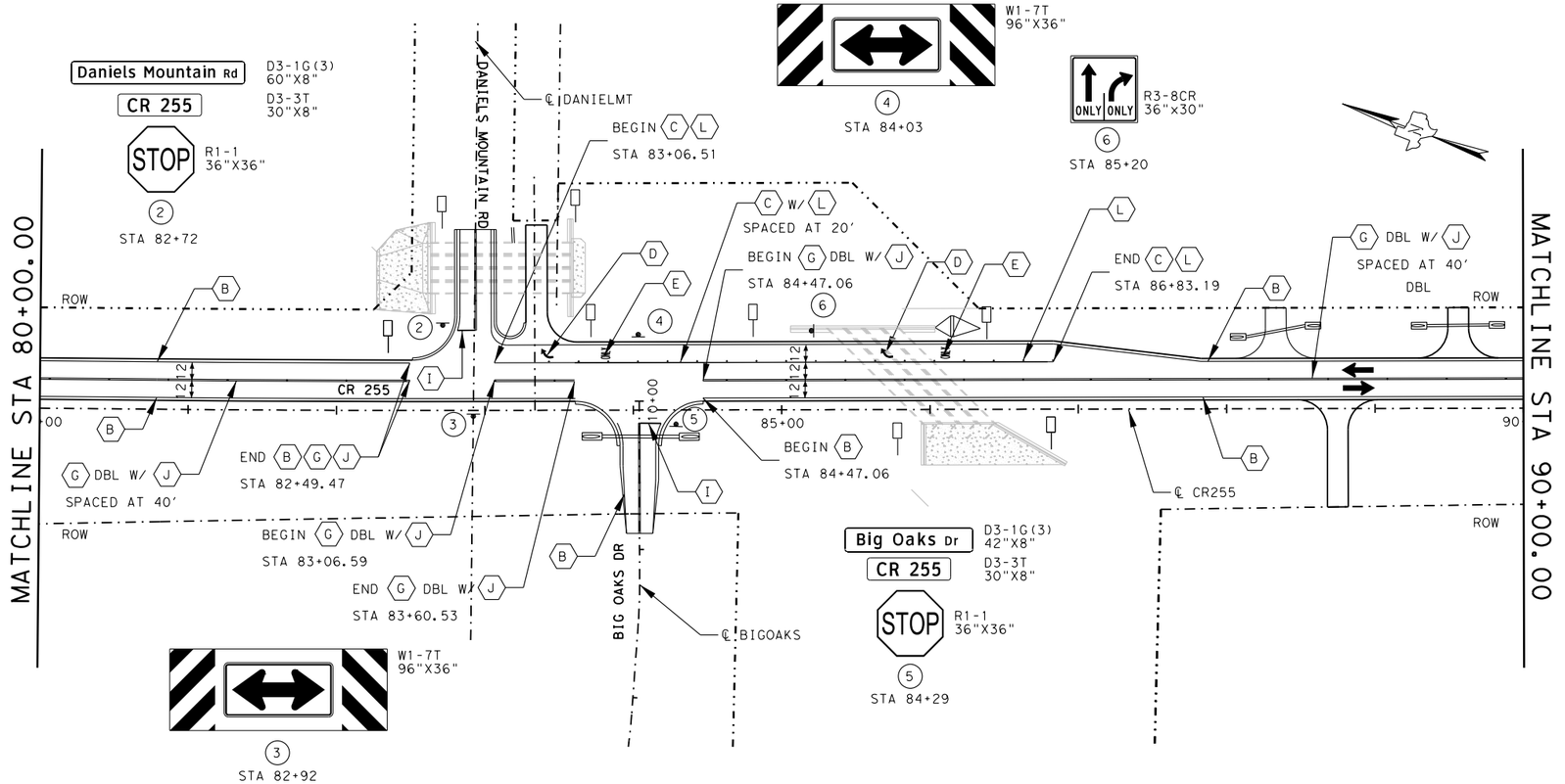

0 50 100

SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	8
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	3831
C	666	8"WHITE SLD TYP I & TYP II	LF	319
D	666	ARROW WHITE TYP I & TYP II	EA	2
E	666	WORD WHITE TYP I & TYP II	EA	2
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	4104
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	35
J	672	REFL PAV MRKR TY II-A-A	EA	59
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	17

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER

11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 70+00 TO STA 90+00

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			294

USER: korahoske
DATE: 11/6/2024 2:10
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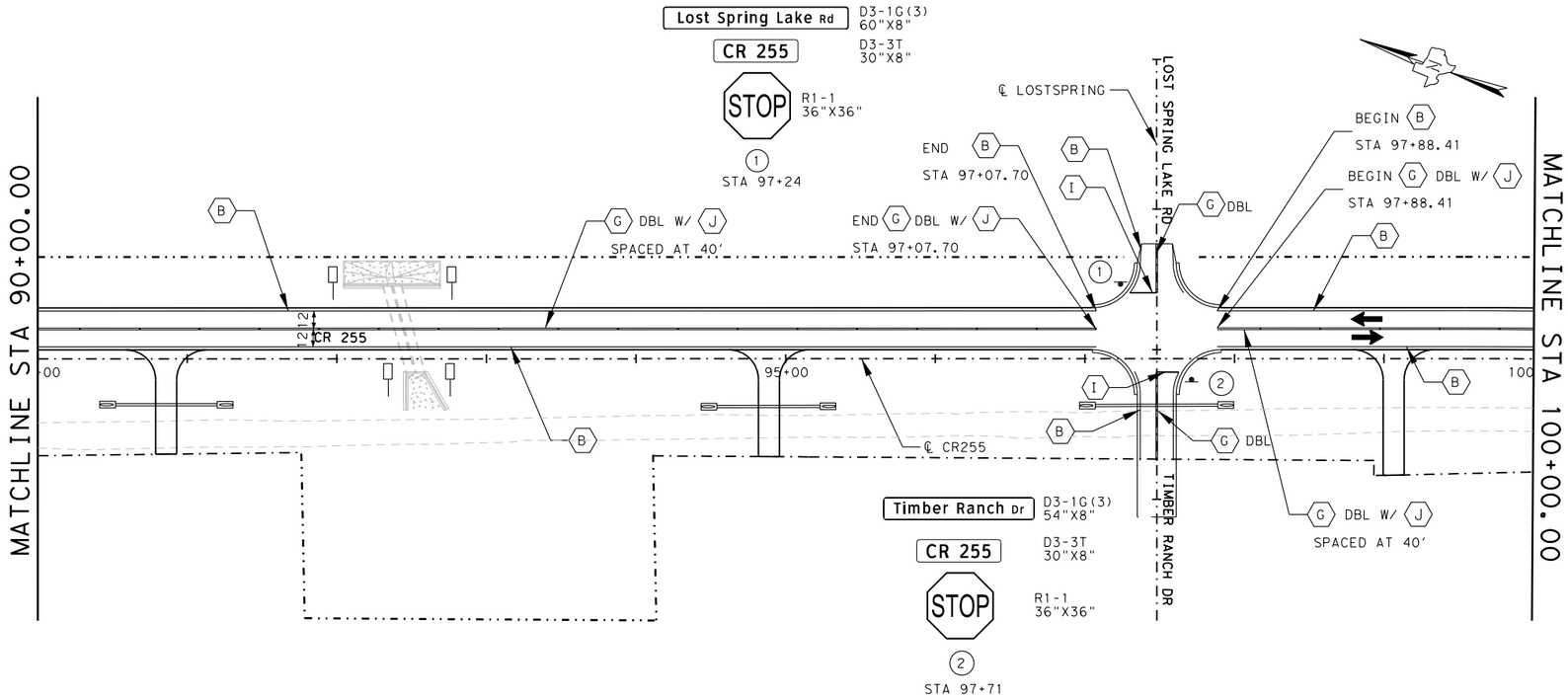

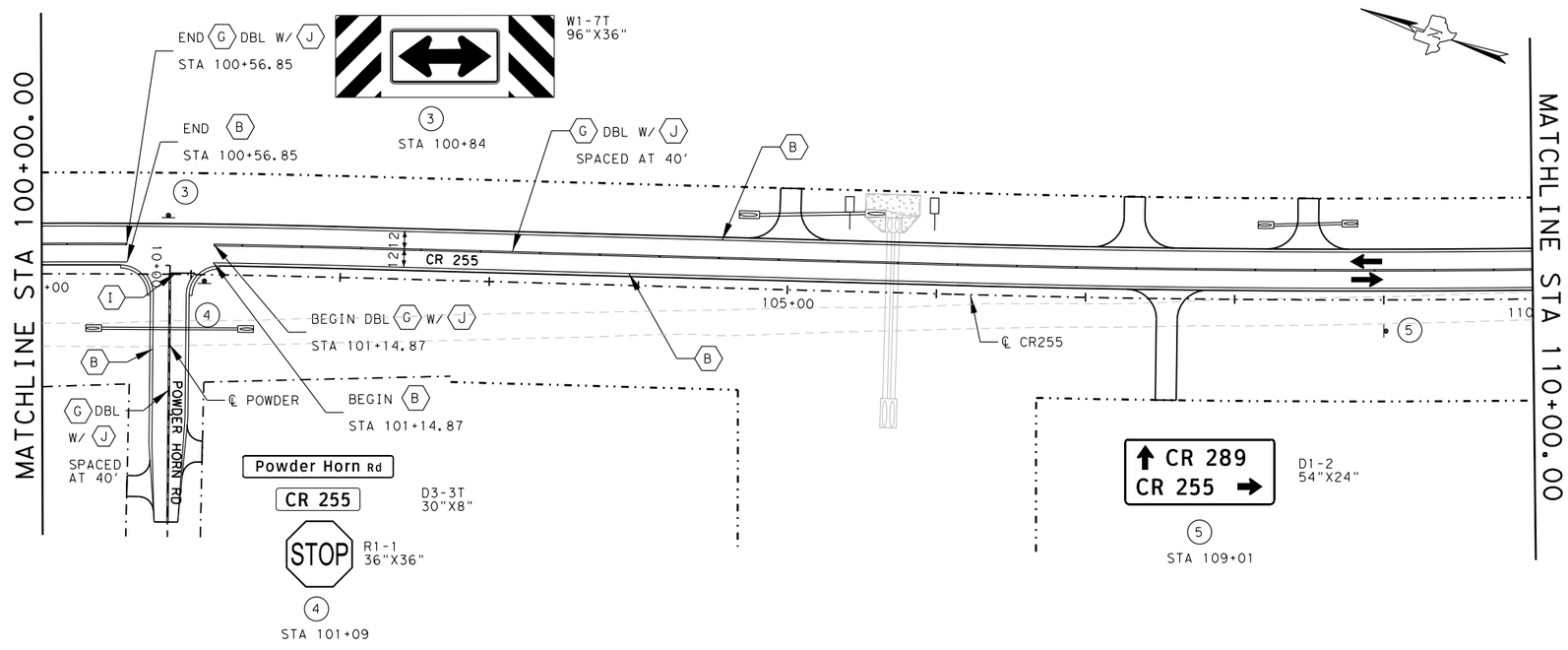

0 50 100

SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	8
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	3780
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	4376
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	48
J	672	REFL PAV MRKR TY II-A-A	EA	49
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 90+00 TO STA 110+00

SHEET 5 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			295

USER: korahoske
DATE: 11/6/2024 2:10
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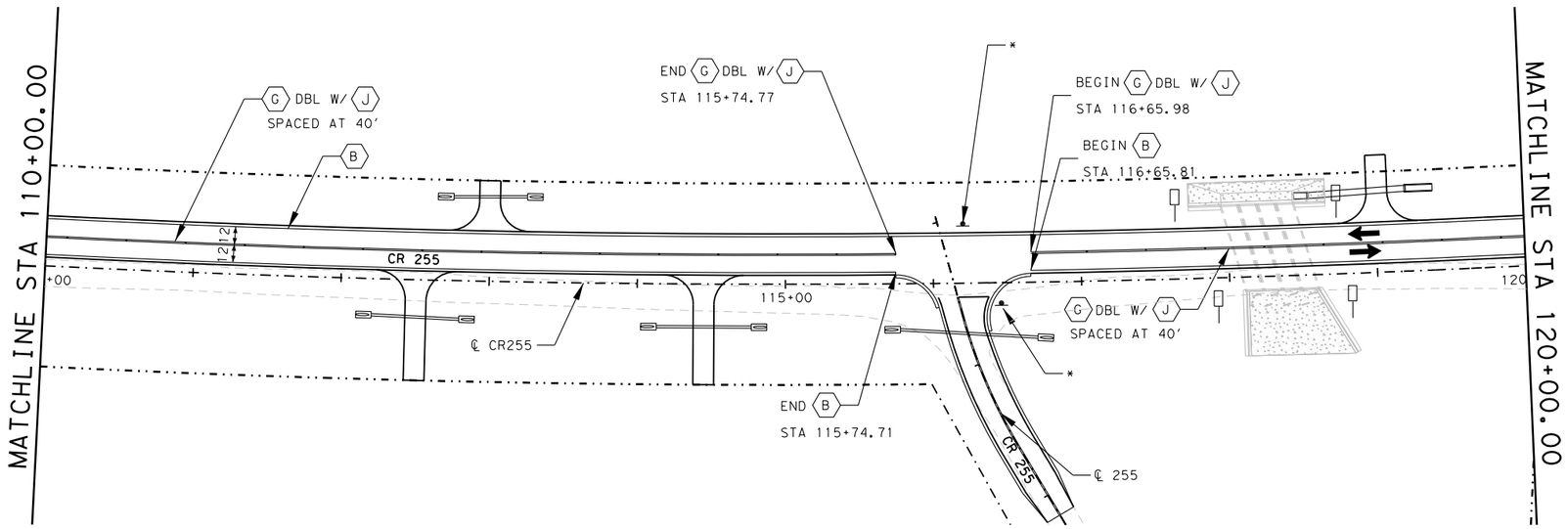

0 50 100

SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	4
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	4384
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	4293
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	
J	672	REFL PAV MRKR TY II-A-A	EA	49
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 110+00 TO STA 130+00

SHEET 6 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY		JOB No.	SHEET No.
CHECKED:	WILLIAMSON			296

USER: korallnoske
DATE: 11/6/2024 2:10
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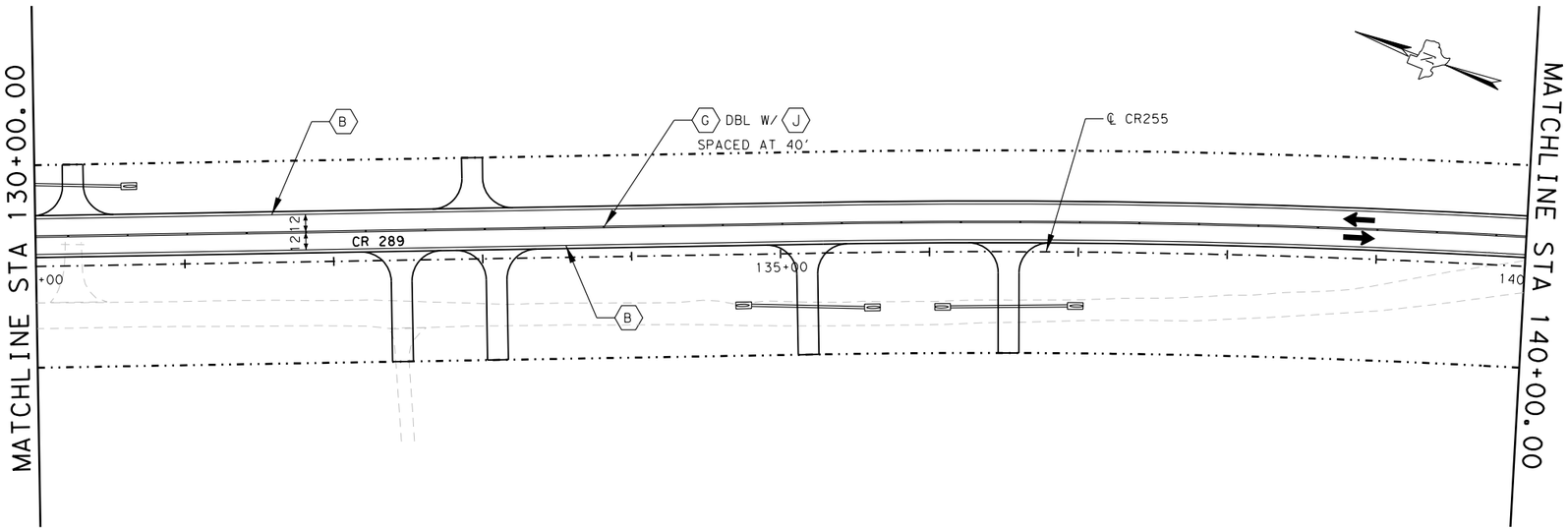

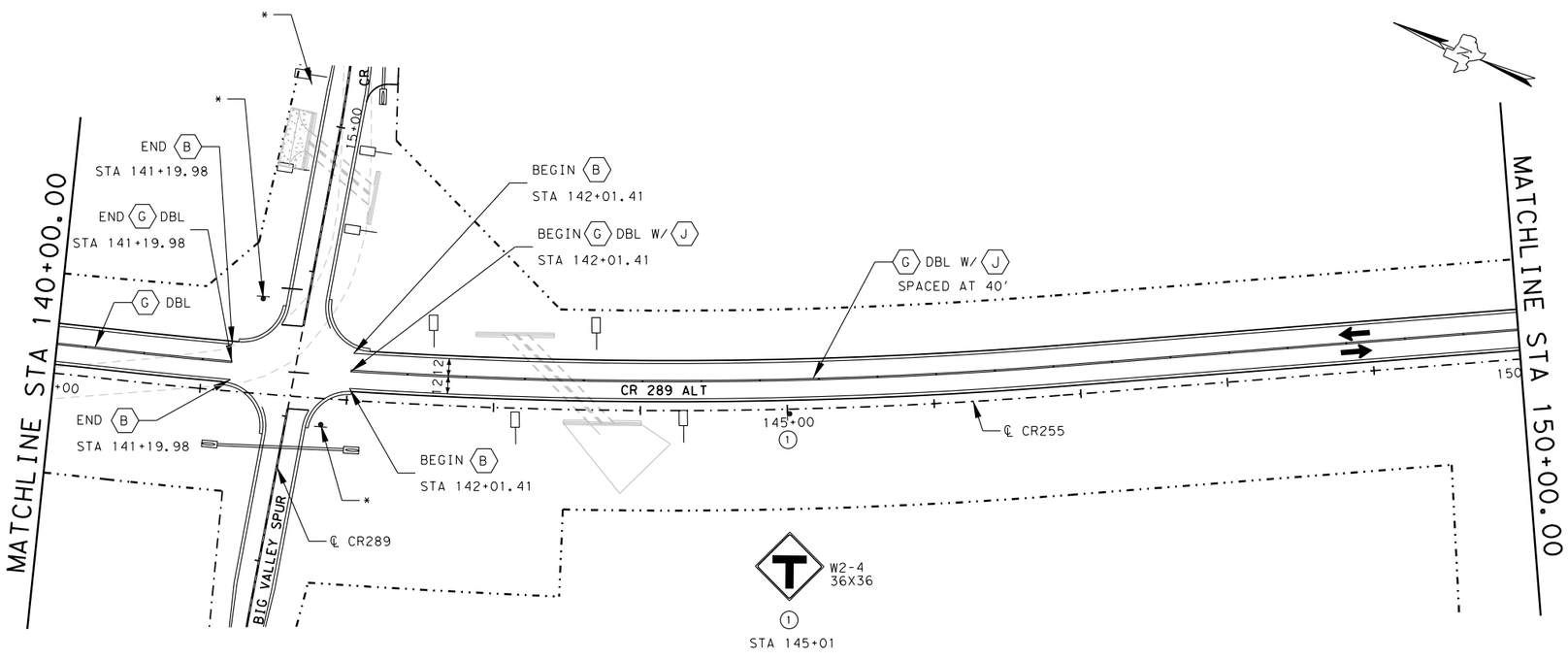

* SEE SIGNING AND PAVEMENT MARKING LAYOUT 255/CR289/BIG VALLEY SPUR FOR DETAILS.

0 50 100

SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	4
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	4769
C	666	8"WHITE SLD TYP I & TYP II	LF	
D	666	ARROW WHITE TYP I & TYP II	EA	
E	666	WORD WHITE TYP I & TYP II	EA	
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	4771
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	28
J	672	REFL PAV MRKR TY II-A-A	EA	50
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 130+00 TO STA 150+00

SHEET 7 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			297

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DATE: 11/6/2024 2:10
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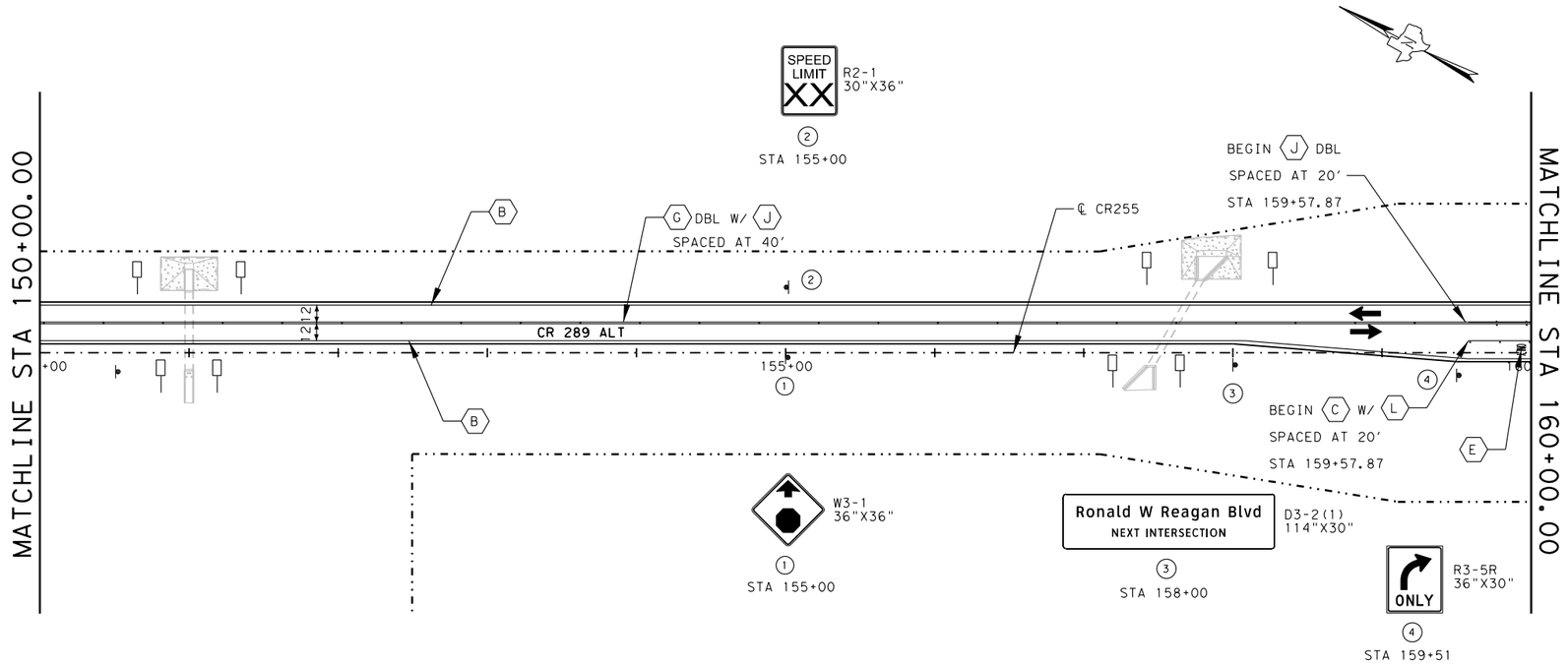

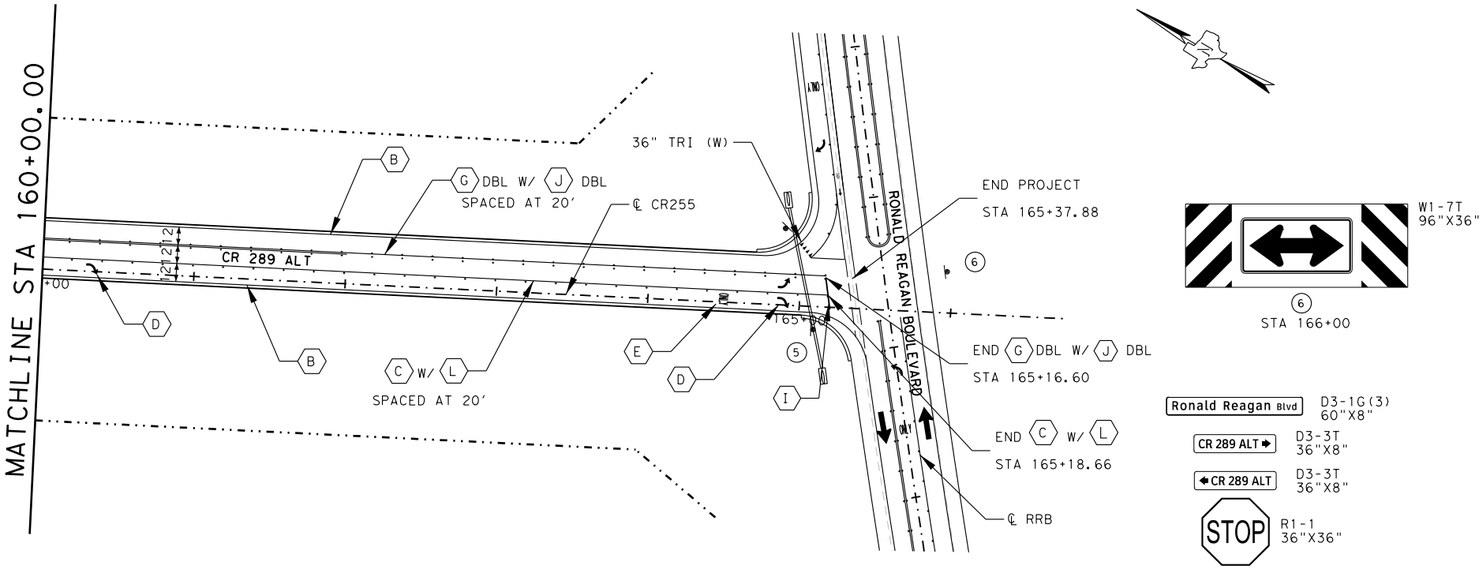

W1-7T
96"X36"
6
STA 166+00

Ronald Reagan Blvd D3-1G(3) 60"X8"

CR 289 ALT → D3-3T 36"X8"

← CR 289 ALT D3-3T 36"X8"

STOP R1-1 36"X36"

CROSS TRAFFIC DOES NOT STOP W4-4P 36"X18"

5
STA 165+10

0 50 100
SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	8
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	3092
C	666	8"WHITE SLD TYP I & TYP II	LF	561
D	666	ARROW WHITE TYP I & TYP II	EA	2
E	666	WORD WHITE TYP I & TYP II	EA	2
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	3260
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	24"WHITE SLD TYP I & TYP II	LF	22
J	672	REFL PAV MRKR TY II-A-A	EA	58
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	31

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
STA 150+00 TO END

SHEET 8 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY		JOB No.	SHEET No.
CHECKED:	WILLIAMSON			298

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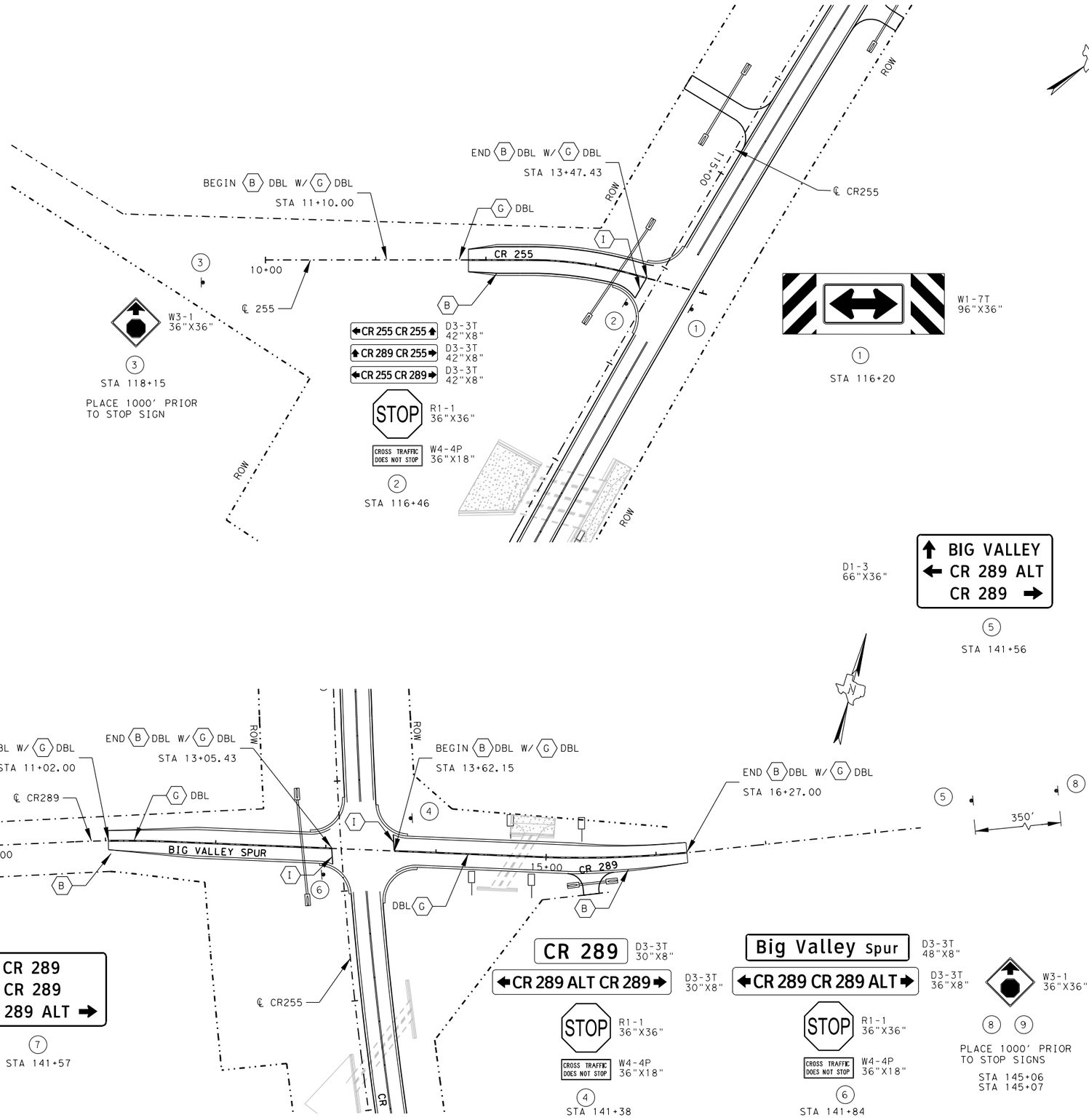

0 50 100

SCALE: 1" = 100'

PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	4
(A)	666	6"WHITE BRK TYP I & TYP II	LF	1607
(B)	666	6"WHITE SLD TYP I & TYP II	LF	1607
(C)	666	8"WHITE SLD TYP I & TYP II	LF	
(D)	666	ARROW WHITE TYP I & TYP II	EA	
(E)	666	WORD WHITE TYP I & TYP II	EA	
(F)	666	6"YELLOW BRK TYP I & TYP II	LF	
(G)	666	6"YELLOW SLD TYP I & TYP II	LF	1607
(H)	666	12"YELLOW SLD TYP I & TYP II	LF	
(I)	666	24"WHITE SLD TYP I & TYP II	LF	48
(J)	672	REFL PAV MRKR TY II-A-A	EA	20
(K)	672	REFL PAV MRKR TY II-C-R	EA	
(L)	672	REFL PAV MRKR TY I-C	EA	

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
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INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGNING AND PAVEMENT MARKING LAYOUT
255/CR289/BIG VALLEY SPUR

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			299

USER: korahoske
DATE: 11/6/2024 2:10
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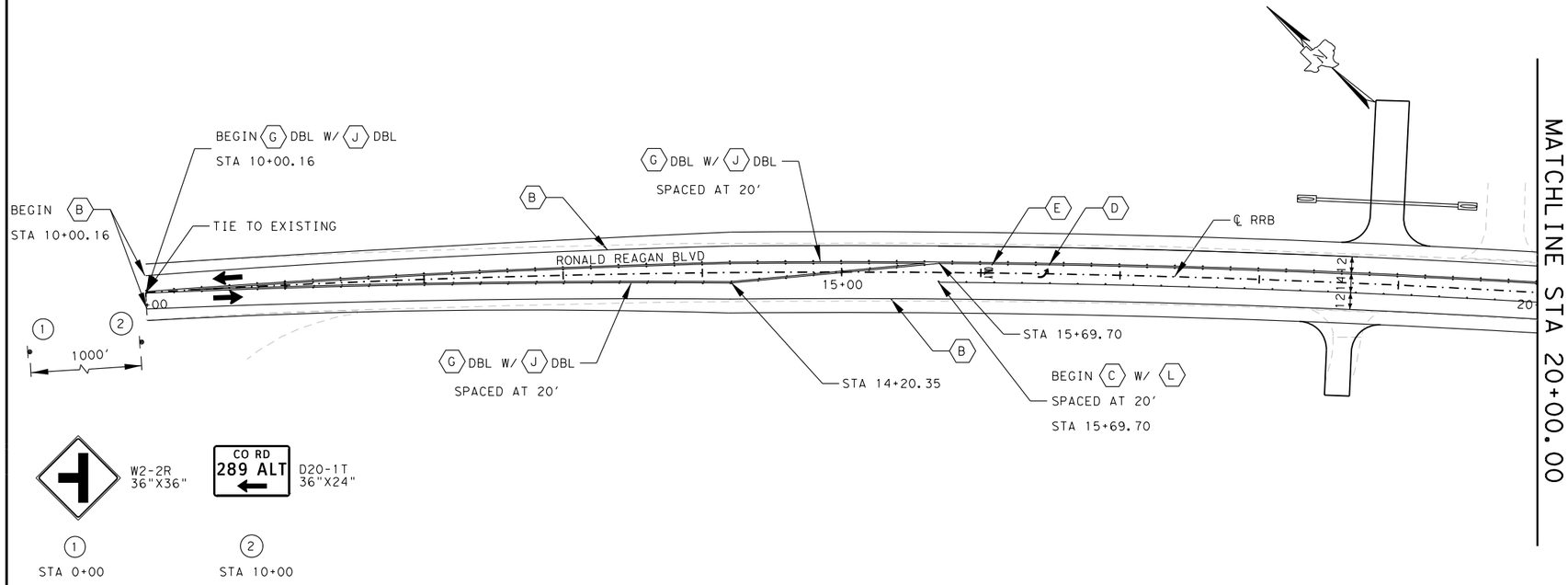
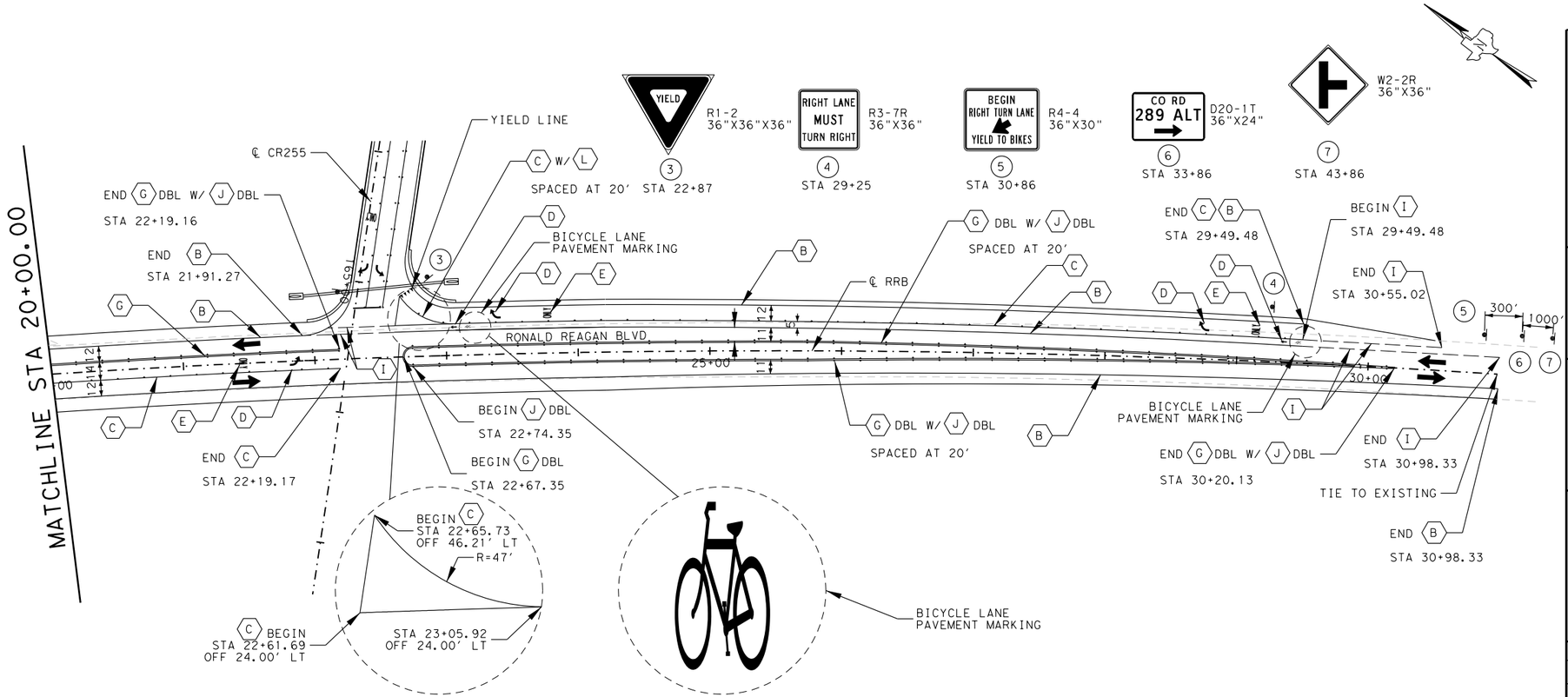


PAVEMENT MARKINGS LEGEND

SYM	ITEM	DESCRIPTION	UNIT	QTY
	658	DEL ASSM D-SW SZ 1(WFLX)GND	EA	
	658	OM ASSM OM-2Y (WC)(GND)	EA	
A	666	6"WHITE BRK TYP I & TYP II	LF	
B	666	6"WHITE SLD TYP I & TYP II	LF	5450
C	666	8"WHITE SLD TYP I & TYP II	LF	2058
D	666	ARROW WHITE TYP I & TYP II	EA	6
E	666	WORD WHITE TYP I & TYP II	EA	4
F	666	6"YELLOW BRK TYP I & TYP II	LF	
G	666	6"YELLOW SLD TYP I & TYP II	LF	3708
H	666	12"YELLOW SLD TYP I & TYP II	LF	
I	666	WHITE BIKE DOT TYP I & TYP II	EA	47
J	672	REFL PAV MRKR TY II-A-A	EA	169
K	672	REFL PAV MRKR TY II-C-R	EA	
L	672	REFL PAV MRKR TY I-C	EA	70

SEE TYPICAL STANDARD PAVEMENT MARKINGS SHEETS PM(1)-22 THROUGH PM(4)-22A FOR DETAILS.



STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
RONALD REAGAN
SIGNING AND PAVEMENT MARKING LAYOUT
BEGIN TO END

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			300

USER: korahoske
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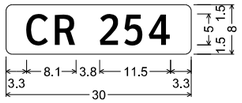
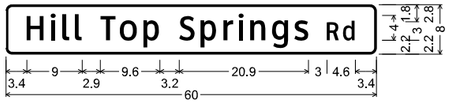
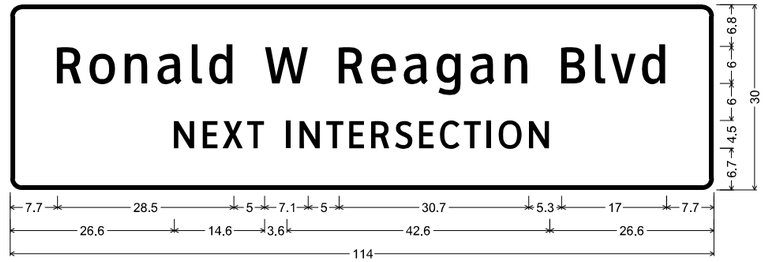


D3-3T;
1.0" Radius, No border, Green;
"CR 254" White, ClearviewHwy-3-W specified length;



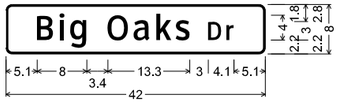
D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Hill Top Springs", ClearviewHwy-3-W;
"Rd", ClearviewHwy-3-W;



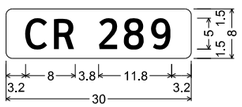
D3-2(1)_VARx30;
1.9" Radius, 0.8" Border, White on Green;
"Ronald W Reagan Blvd", ClearviewHwy-3-W; "NEXT INTERSECTION", ClearviewHwy-3-W;



D3-3T;
1.0" Radius, No border, Green;
"CR 255" White, ClearviewHwy-3-W specified length;



D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Big Oaks", ClearviewHwy-3-W;
"Dr", ClearviewHwy-3-W;



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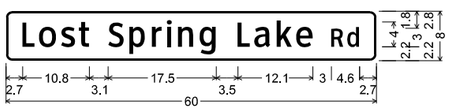
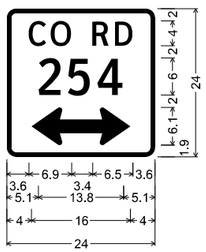
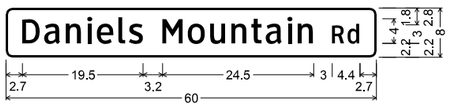
"CR 289" White, ClearviewHwy-3-W specified length;



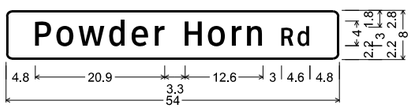
D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Lost Spring Lake", ClearviewHwy-3-W 95% spacing;
"Rd", ClearviewHwy-3-W 95% spacing;



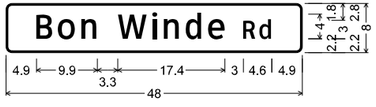
D20-2T_24x24;
1.5" Radius, 0.8" Border, White on Green;
"CO RD", ClearviewHwy-3-W;
"254", ClearviewHwy-3-W;



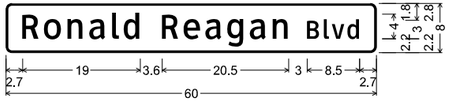
D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Daniels Mountain", ClearviewHwy-3-W 81% spacing;
"Rd", ClearviewHwy-3-W 81% spacing;



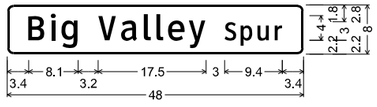
D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Powder Horn", ClearviewHwy-3-W;
"Rd", ClearviewHwy-3-W;



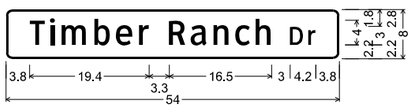
D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Bon Winde", ClearviewHwy-3-W;
"Rd", ClearviewHwy-3-W;



D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Ronald Reagan", ClearviewHwy-3-W;
"Blvd", ClearviewHwy-3-W;



D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Big Valley", ClearviewHwy-3-W;
"Spur", ClearviewHwy-3-W;



D3-1G(3) 4in;
1.0" Radius, 0.4" Border, White on Green;
"Timber Ranch", ClearviewHwy-3-W;
"Dr", ClearviewHwy-3-W;

USER: korahoske
DATE: 11/6/2024 2:10
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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

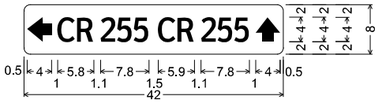
WILCO TEXAS

WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

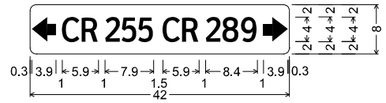
Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGN DETAILS

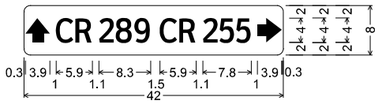
DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			301



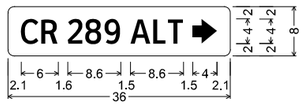
D3-3T;
1.0" Radius, No border, Green;
Arrow Custom 180° White;
"CR 255" White, ClearviewHwy-3-W 35% spacing;
"CR 255" White, ClearviewHwy-3-W 35% spacing;
Arrow Custom 90° White;



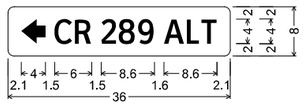
D3-3T;
1.0" Radius, No border, Green;
Arrow Custom 180° White;
"CR 255" White, ClearviewHwy-3-W 35% spacing;
"CR 289" White, ClearviewHwy-3-W 35% spacing;
Arrow Custom 0° White;



D3-3T;
1.0" Radius, No border, Green;
Arrow Custom 90° White;
"CR 289" White, ClearviewHwy-3-W 35% spacing;
"CR 255" White, ClearviewHwy-3-W 35% spacing;
Arrow Custom 0° White;



D3-3T;
1.0" Radius, No border, Green;
"CR 289 ALT" White, ClearviewHwy-3-W 50% spacing;
Arrow Custom 0° White;



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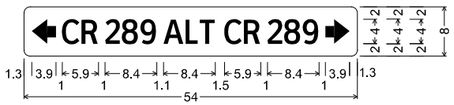
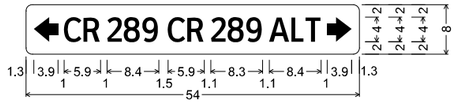
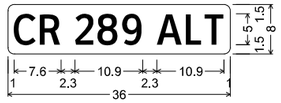
Arrow Custom 180° White;
"CR 289 ALT" White, ClearviewHwy-3-W 50% spacing;



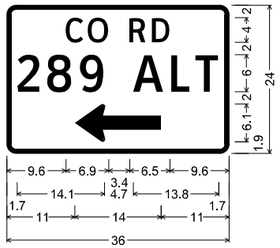
D3-3T;
1.0" Radius, No border, Green;
Arrow Custom 180° White;
"CR 289 ALT" White, ClearviewHwy-3-W 35% spacing;
"CR 289" White, ClearviewHwy-3-W 35% spacing;
Arrow Custom 0° White;



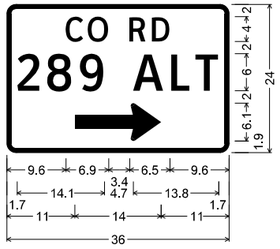
D3-3T;
1.0" Radius, No border, Green;
Arrow Custom 180° White;
"CR 289" White, ClearviewHwy-3-W 35% spacing;
"CR 289 ALT" White, ClearviewHwy-3-W 35% spacing;
Arrow Custom 0° White;



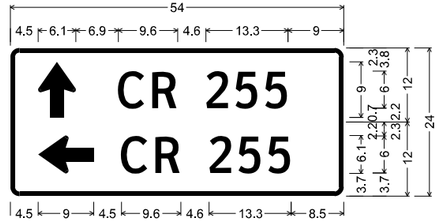
D3-3T;
1.0" Radius, No border, Green;
"CR 289 ALT" White, ClearviewHwy-3-W specified length;



D20-1TL(5-6)_36x24;
1.5" Radius, 0.8" Border, White on Green;
"CO RD", ClearviewHwy-3-W;
"289 ALT", ClearviewHwy-3-W;
Standard Arrow Custom 14.0" X 6.1" 180°;



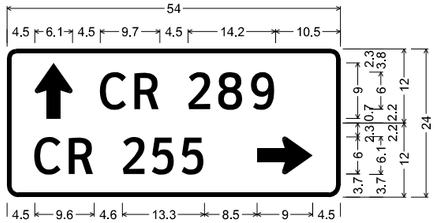
D20-1TR(5-6)_36x24;
1.5" Radius, 0.8" Border, White on Green;
"CO RD", ClearviewHwy-3-W;
"289 ALT", ClearviewHwy-3-W;
Standard Arrow Custom 14.0" X 6.1" 0°;



D1-2 6in UP-LT;

1.5" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°;
"CR 255", ClearviewHwy-3-W;

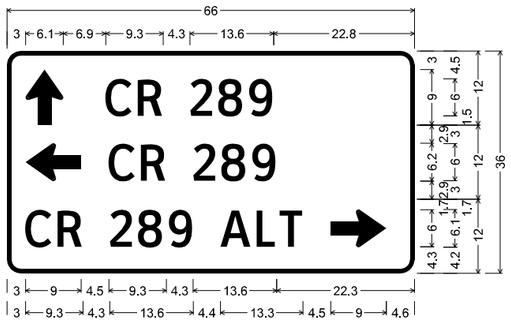
1.5" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°;
"CR 255", ClearviewHwy-3-W;



D1-2 6in UP-RT;

1.5" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°;
"CR 289", ClearviewHwy-3-W;

1.9" Radius, 0.8" Border, White on Green;
"CR 255", ClearviewHwy-3-W;
Standard Arrow Custom 9.0" X 6.1" 0°;

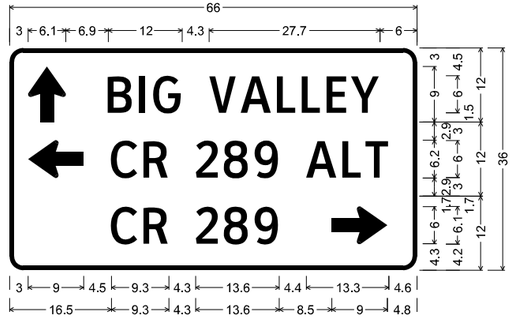


D1-3 6in UP-LT-RT;

2.3" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°;
"CR 289", ClearviewHwy-3-W 75% spacing;

2.3" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°;
"CR 289", ClearviewHwy-3-W 75% spacing;

2.3" Radius, 0.8" Border, White on Green;
"CR 289 ALT", ClearviewHwy-3-W 75% spacing;
Standard Arrow Custom 9.0" X 6.1" 0°;



D1-3 6in UP-LT-RT;

2.3" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°;
"BIG VALLEY", ClearviewHwy-3-W 75% spacing;

2.3" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°;
"CR 289 ALT", ClearviewHwy-3-W 75% spacing;

2.3" Radius, 0.8" Border, White on Green;
"CR 289", ClearviewHwy-3-W 75% spacing;
Standard Arrow Custom 9.0" X 6.1" 0°;

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS
WILLIAMSON COUNTY
DEPT. OF
INFRASTRUCTURE

Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CR 255
SIGN DETAILS

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			302

USER: korahoske
DATE: 11/6/2024 2:10
SCRIPT: pw://server.slgeng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Miscellaneous/CR255_jobd.pen
FILE: pw://server.slgeng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/08. Traffic/Pavement Marking/CR255_SIGN_DET02.dgn

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DATE: 11/6/2024 2:10
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Plan_Set/08. Traffic/Standards/dom1-20.dgn

REFLECTOR UNIT SIZES FOR DELINEATORS AND OBJECT MARKERS

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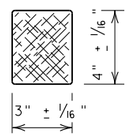
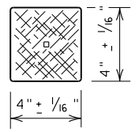
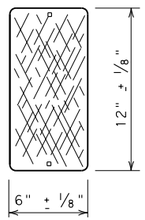
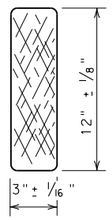
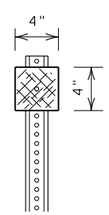
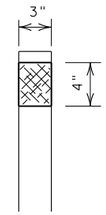
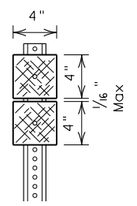
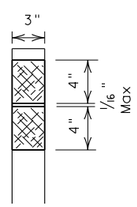
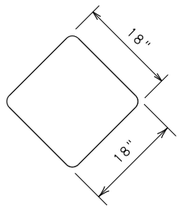
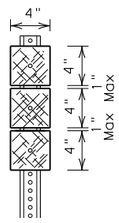
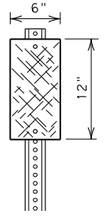
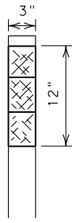
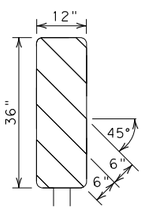
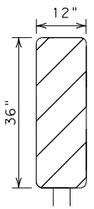
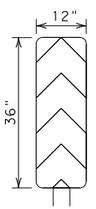
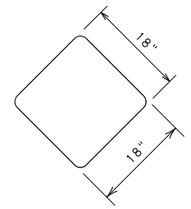
DEVICE				
SHEETING	Yellow, White or Red Type B or C reflective sheeting			
NOTE	1. Size 1 and 4 - Direct applied reflective sheeting for use on flexible post (flx). 2. Size 2 and 3 - For use on wing channel (wc) post only. Use approved metal, plastic or fiberglass backplate with 17/64" mounting holes.			

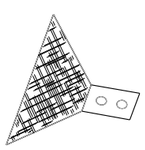
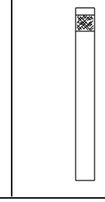
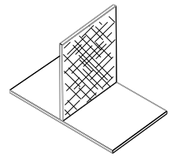
DELINEATORS

DEVICE	SINGLE		DOUBLE	
				
	1-Size 2 reflector unit	1-Size 1 reflector unit	2-Size 2 reflector units	2-Size 1 reflector units
SHEETING	Yellow, White or Red Type B or C Reflective Sheeting			
POST TYPE	WC	YFLX, WFLX	WC	YFLX, WFLX
MOUNT TYPE	GND	GND, SRF	GND	GND, SRF

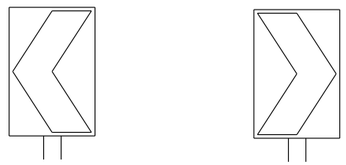
OBJECT MARKERS

	Type 1 (OM-1)	Type 2 (OM-2)			Type 3 (OM-3)			Type 4 (OM-4)
	OM-1	OM-2X	OM-2Y	OM-2Z	OM-3L	OM-3R	OM-3C	OM-4
DEVICE								
		3-Size 2 reflector units	1-Size 3 reflector unit	3-Size 1 reflector units or 1-Size 4 reflector unit				
SHEETING	Yellow-Type B_{FL} or C_{FL} Sheeting	Yellow - Type B or C Sheeting			Alternating acrylic black and retroflective yellow - Type B_{FL} or C_{FL} Sheeting			Red -Type B_{FL} or C_{FL} Sheeting
POST TYPE	TWT	WC	WC	WFLX	TWT			TWT
MOUNT TYPE	WAS, WAP	GND	GND	GND, SRF	WAS, WAP			WAS, WAP

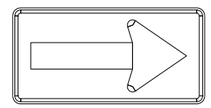
BARRIER REFLECTORS (BRF)

	GF1	GF2	CTB
DEVICE			
NOTE	1. Barrier reflectors shall meet the requirements of DMS 8600. 2. Approved Barrier Reflectors are listed on the "Barrier Reflectors" Material Producer List at: www.txdot.gov.		
SHEETING	Yellow, White, Red		
NOTE	1. Reflective sheeting shall have a minimum dimension of 3 inches and minimum surface area of 9 square inches.		

CHEVRONS

DEVICE	 W1-8			
SIZE (W x L)	18"x 24" (Conventional)	24"x 30" (Conventional Oversize)	30"x 36" (Expressway)	36" x 48" (Freeway)
MOUNTING HEIGHT	4'-0" or 7'-0"		7'-0" Only	
NOTE	1. CHEVRON (W1-8) signs and ONE DIRECTION LARGE ARROW (W1-6) Signs shall be installed per Sign Mounting Details (SMD) Standard Sheets and paid under Item 644 (Small Roadside Sign Assemblies). 2. When there is a need to increase conspicuity, the Texas version of the ONE DIRECTION LARGE ARROW sign (W1-9T) may be used instead of the ONE DIRECTION LARGE ARROW (W1-6).			

ONE DIRECTION LARGE ARROW

DEVICE	 W1-6	
SIZE (W x L)	48" x 24" (Conventional)	60" x 30" (Expressway & Freeway)
MOUNTING HEIGHT	7'-0"	

D & OM DESCRIPTIVE CODES

INSTL DEL ASSM (D-XX)SZ X (XXXX)XXX(XX)

NUMBER OF REFLECTORS
- S = Single
- D = Double

COLOR OF REFLECTORS
- W = White
- Y = Yellow
- R = Red

REFLECTOR UNIT SIZE
- 1 or 2

TYPE OF POST OR DELINEATOR
- WC = Wing Channel Post
- YFLX = Yellow Flexible Post
- WFLX = White Flexible Post
- BRF = Barrier Reflector

TYPE OF MOUNT
- GND = Embedded (drivable or set in concrete)
- CTB = Concrete Barrier Mount
- GF1 or GF2 = Guard Fence Attachment
- SRF = Surface Mount

DIRECTION
- If Required
- BI = Bi-Directional
- BR = Bi-Directional with red on back

INSTL OM ASSM (OM-XX) (XXXX)XXX(XX)

TYPE OF OBJECT MARKER
- 1, 2, 3, or 4

NUMBER OF REFLECTORS OR DIRECTION
- X = 3-Size 2 reflector units (Type 2 only)
- Y = 1-Size 3 reflector unit (Type 2 only)
- Z = 3-Size 1 or 1-Size 4 reflector unit(s)(Type 2 only)
- L = Left Side (Type 3 Object Marker only)
- R = Right Side (Type 3 Object Marker only)
- C = Center (Type 3 Object Marker only)

TYPE OF POST
- WC = Wing Channel Post
- WFLX = White Flexible Post
- TWT = Thin Walled Tubing

TYPE OF MOUNT
- GND = Embedded (drivable)
- SRF = Surface Mount
- WAS = Wedge Anchor Steel
- WAP = Wedge Anchor Plastic

DIRECTION
- If Required
- BI = Bi-Directional

DEPARTMENTAL MATERIAL SPECIFICATIONS	
FLEXIBLE DELINEATOR & OBJECT MARKER POSTS (EMBEDDED & SURFACE MOUNT TYPES)	DMS-4400
SIGN FACE MATERIALS	DMS-8300
DELINEATORS, OBJECT MARKERS AND BARRIER REFLECTORS	DMS-8600

NOTE:

Delineator and object marker substrates and sign substrates shall be 0.080" Aluminum sign blank to conform to ASTM B-209 Alloy 6061-T6 or approved alternative.

Texas Department of Transportation

Traffic Safety Division Standard

DELINEATOR & OBJECT MARKER MATERIAL DESCRIPTION

D & OM(1)-20

FILE: dom1-20.dgn	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
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REVISIONS				CR 255
10-09 3-15	DIST	COUNTY		SHEET NO.
4-10 7-20	AUS	WILLIAMSON		303

20A

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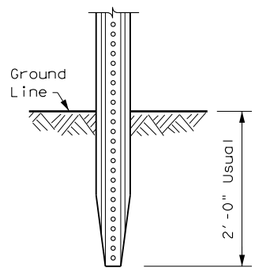
POST TYPE AND SUPPORT FOUNDATION DETAILS

WING CHANNEL (WC)

GND

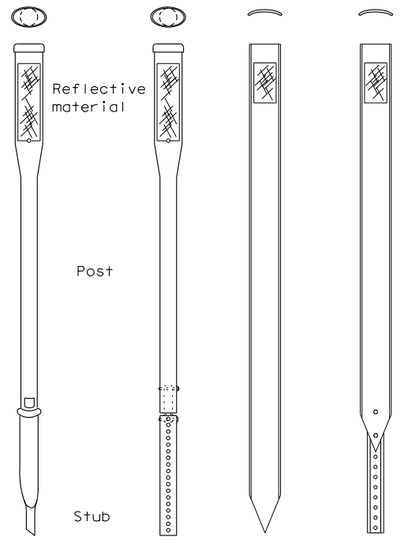


NOTES

1. Embedded Wing Channel (WC) post option may be used for Type 2 Object Markers and Delineators only.
2. 1.12 lbs/ft steel per ASTM A 1011 SS Gr. 50, or ASTM A499.

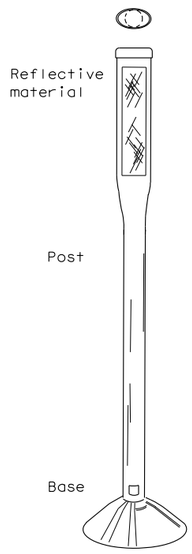
FLEXIBLE POSTS (YFLX, WFLX)

GND



EMBEDDED

SRF



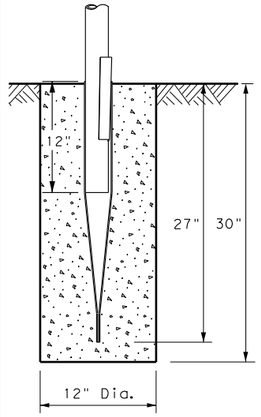
SURFACE MOUNT

NOTES

1. See "Flexible Delineator and Object Marker Posts" Material Producer List for approved devices.
2. Install per manufacturer's recommendations.
3. Post length may vary to meet field conditions.
4. When using yellow delineators with flexible posts to separate opposing direction of travel, such as centerline or median use, the flexible posts shall be yellow.

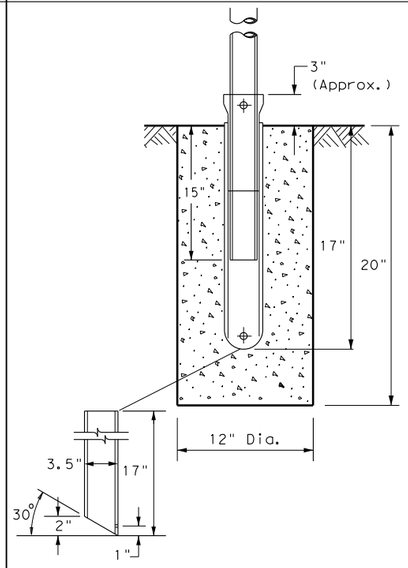
WEDGE ANCHOR SYSTEMS

WAS



STEEL

WAP



PLASTIC

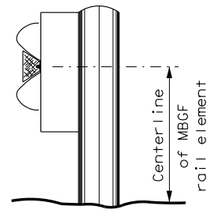
NOTE

1. Install per manufacturer's recommendations.

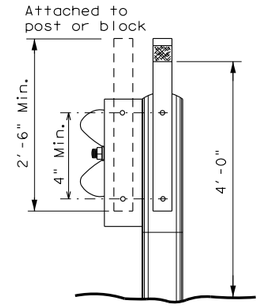
TYPE OF BARRIER MOUNTS

GUARD FENCE ATTACHMENT

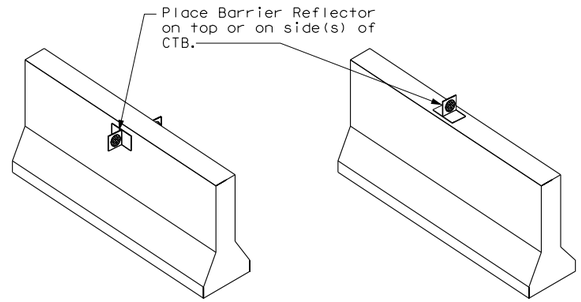
GF1



GF2



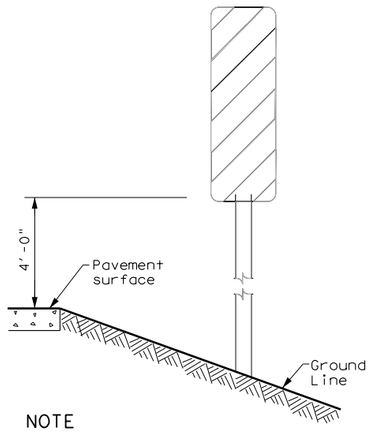
CONCRETE TRAFFIC BARRIER (CTB)



GENERAL NOTES

1. Place delineators on a section of roadway at a consistent distance from the edge of pavement.
2. Where a restriction prevents consistent placement from the pavement edge, place the affected object markers in line with the innermost edge of the obstruction.
3. When Type 2 object markers and delineators are more than 8'-0" from the edge of the pavement, it may not be possible to maintain a height of approximately 4'-0". If this is the case, place the object marker or delineator as close to the desired height as possible.
4. Install all delineators, object markers and barrier reflectors in accordance with the manufacturer's recommendation.
5. Barrier reflectors should be installed a minimum of 18 inches above the edge of the pavement surface.
6. Diagonal stripes on Type 3 object markers shall slope down toward the intended travel lane.

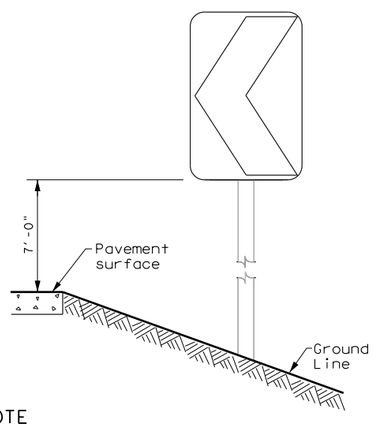
TYPES 1, 3, AND 4 OBJECT MARKERS AND CHEVRONS



NOTE

Mounting at 4 feet to the bottom of the chevron is permitted for chevrons that will not exceed a height of 6'-6" to the top of the chevron (sizes 24" x 30" and smaller)

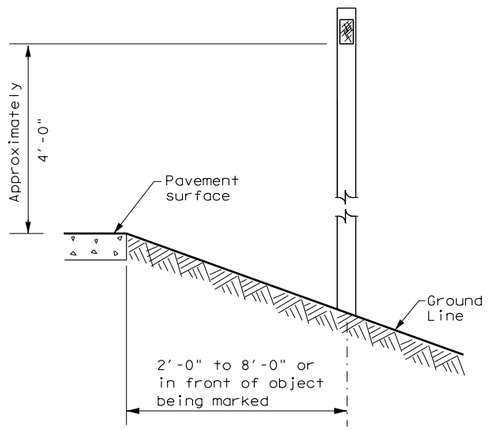
CHEVRONS AND ONE DIRECTION LARGE ARROW SIGN



NOTE

Chevrons 30" x 36" and larger shall be mounted at a height of 7' to the bottom of the chevron. Chevron sign and ONE DIRECTION LARGE ARROW sign (W1-9T)shall be installed per SMD standard sheets and paid under item 644.

DELINEATORS AND TYPE 2 OBJECT MARKERS



See general notes 1, 2 and 3.

Texas Department of Transportation

Traffic Safety Division Standard

DELINEATOR & OBJECT MARKER INSTALLATION

D & OM(2)-20

FILE: dom2-20.dgn	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
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10-09 3-15	DIST	COUNTY		SHEET NO.
4-10 7-20	AUS	WILLIAMSON		304

20B

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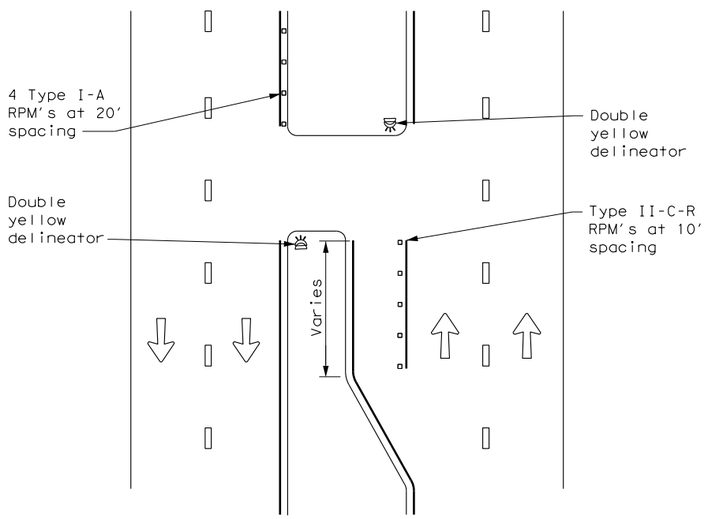
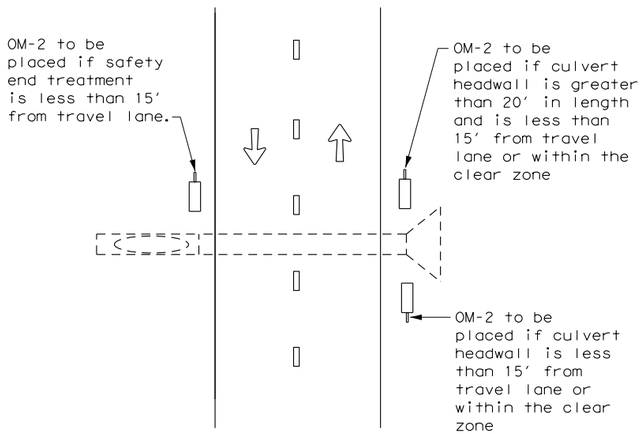
CROSSOVERS



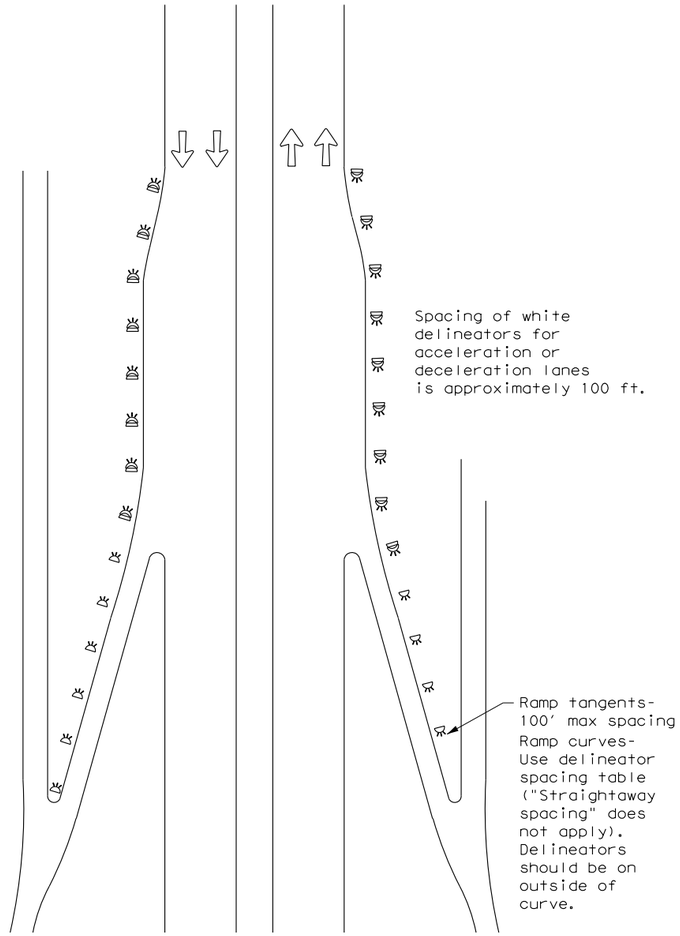
DETAIL 1

FOR CULVERTS WITHOUT MBGF



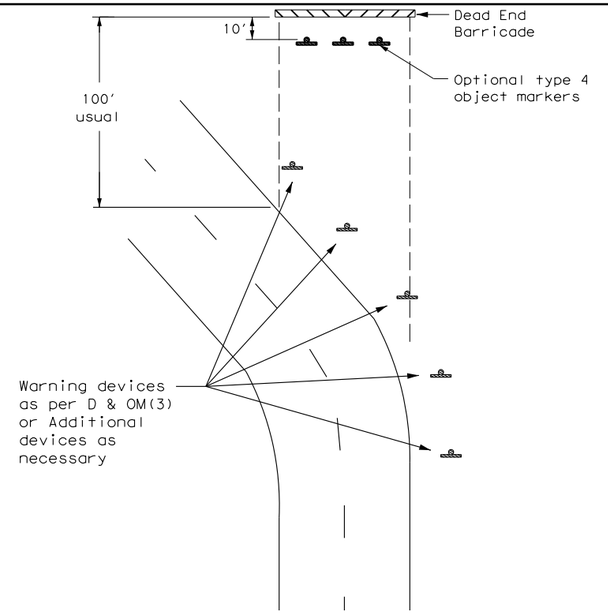
DETAIL 2

FREEWAY DELINEATION FOR RAMPS AND ACCELERATION/DECELERATION LANES



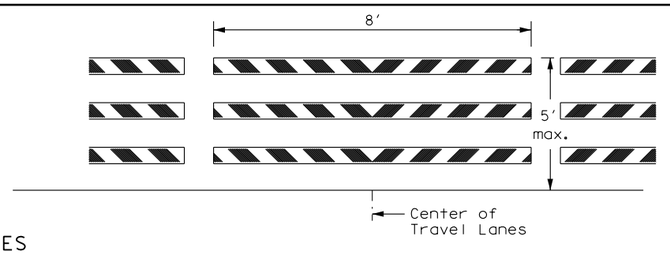
DETAIL 3

TYPICAL APPLICATION OF DEAD END BARRICADE



DETAIL 4

TYPICAL DEAD END BARRICADE INSTALLATION



NOTES

1. Barricade striping shall be red and white reflective sheeting for all permanent road closures.
2. Barricade striping is red and white sloping toward the center of the roadway.
3. Type 3 Barricade Supports should be anchored to soil or pavement as described in compliant Work Zone Traffic Control Devices List, section D.2.f and D.2.g.

DETAIL 5

LEGEND	
	Bidirectional Delineator
	Delineator
	OM-3
	Barricade
	Sign
	OM-2
	Double Delineator

Texas Department of Transportation

Traffic Safety Division Standard

DELINEATOR & OBJECT MARKER PLACEMENT DETAILS

D & OM(4)-20

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3-15 7-20	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		305

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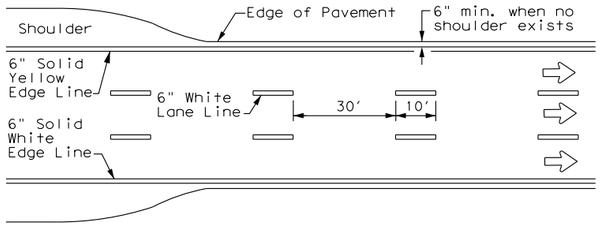
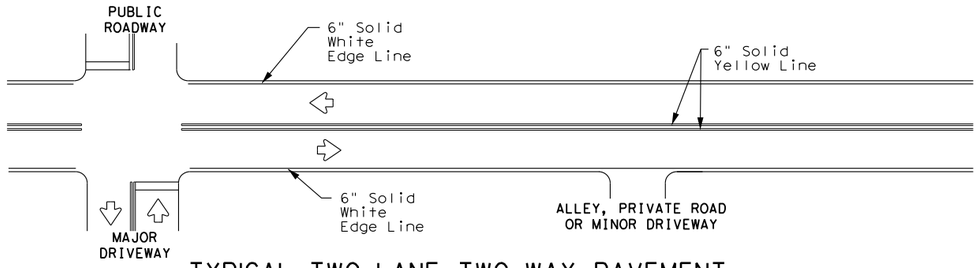
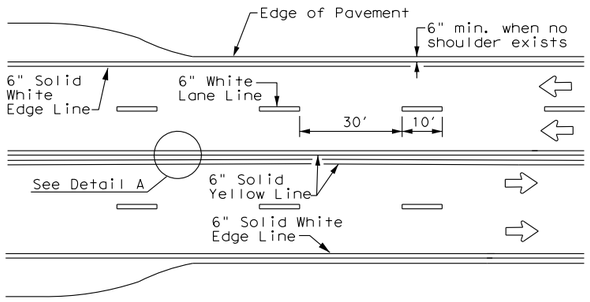
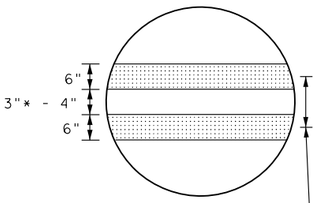


EDGE LINE AND LANE LINES ONE-WAY ROADWAY WITH OR WITHOUT SHOULDERS



TYPICAL TWO-LANE, TWO-WAY PAVEMENT MARKINGS THROUGH INTERSECTIONS





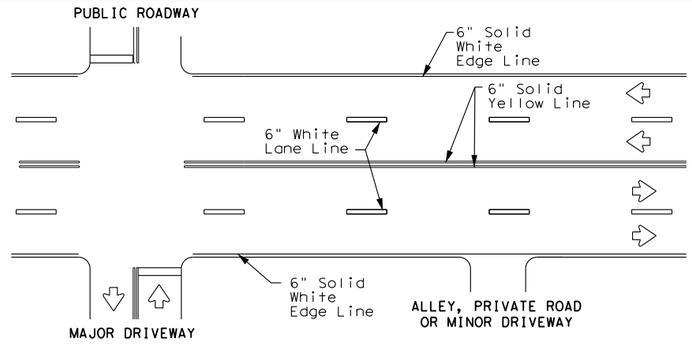
DETAIL "A"

9"** min. - 10" typ.
(18" max. for traveled way greater than 48' only)

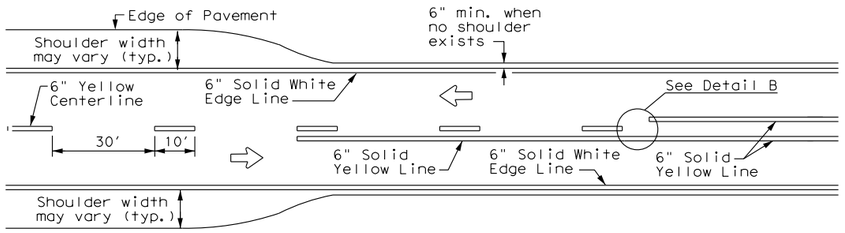
CENTERLINE AND LANE LINES FOUR LANE TWO-WAY ROADWAY WITH OR WITHOUT SHOULDERS

* 2" minimum for restripe projects when approved by the Engineer.

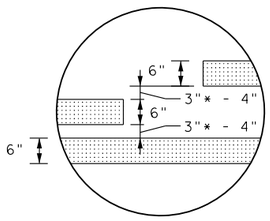
** 8" minimum for restripe projects when approved by the Engineer.



TYPICAL MULTI-LANE, TWO-WAY PAVEMENT MARKINGS THROUGH INTERSECTIONS



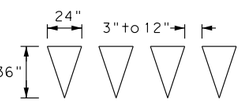
TWO LANE TWO-WAY ROADWAY WITH OR WITHOUT SHOULDERS



18" min. - 20" max.
(16" minimum for restripe projects when approved by the Engineer.)

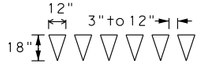
DETAIL "B"

* 2" minimum for restripe projects when approved by the Engineer.

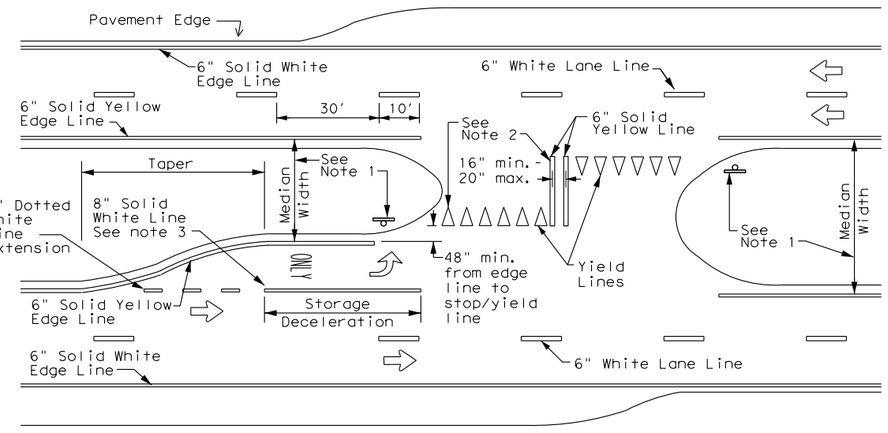


For posted speed on road being marked equal to or greater than 45 MPH.

YIELD LINES



For posted speed on road being marked equal to or less than 40 MPH.



FOUR LANE DIVIDED ROADWAY CROSSOVERS

NOTES

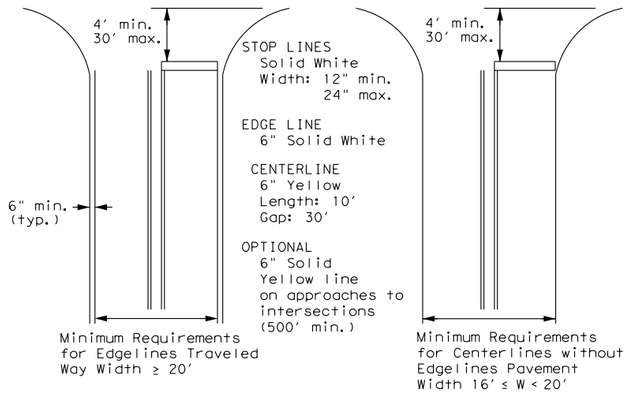
1. Where divided highways are separated by median widths at the median opening itself of 30 feet or more, median openings shall be signed as two separate intersections. Each median opening has two width measurements, with one measurement for each approach. The narrow median width will be the controlling width to determine if signs are required. Yield signs are the typical intersection control. Stop signs and stop bars are optional as determined by the Engineer.
2. Install median striping (double yellow centerlines and stop lines/yield lines) when a 50' or greater median centerline can be placed. Stop lines shall only be used with stop signs. Yield lines shall only be used with yield signs.
3. Length of turn bays, including taper, deceleration, and storage lengths shall be as shown on the plans or as directed by the Engineer.

GENERAL NOTES

1. Edge line striping shall be as shown in the plans or as directed by the Engineer. The edge line should not be placed less than 6 inches from the edge of pavement. This distance may vary due to pavement raveling or other conditions. Edge lines are not required in curb and gutter sections of roadways.
2. The traveled way includes only that portion of the roadway used for vehicular travel. It does not include the parking lanes, sidewalks, berms and shoulders. The traveled ways shall be measured from the center of edge line to the center of edge line of a two lane roadway.

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



NOTE: Traveled way is exclusive of shoulder widths. Refer to General Note 2 for additional details.

GUIDE FOR PLACEMENT OF STOP LINES, EDGE LINE & CENTERLINE

Based on Traveled Way and Pavement Widths for Undivided Roadways

Texas Department of Transportation

Traffic Safety Division Standard

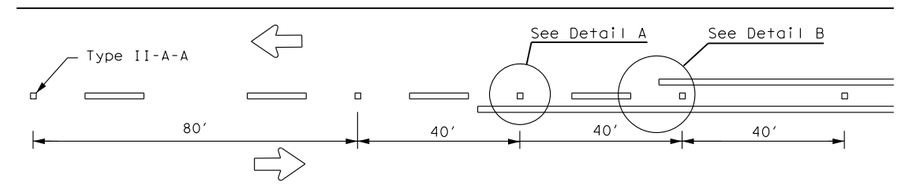
TYPICAL STANDARD PAVEMENT MARKINGS

PM(1)-22

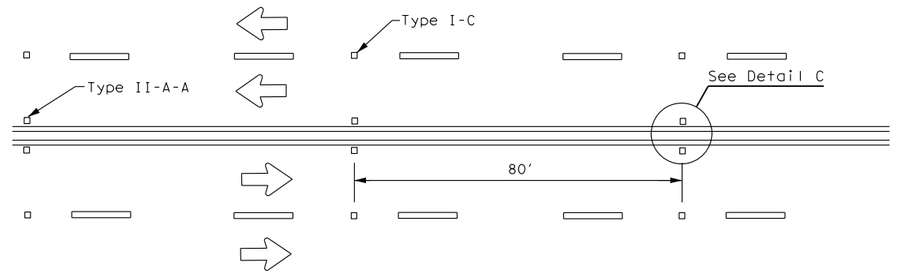
FILE: pm1-22.dgn	DN:	CK:	DW:	CK:
©TxDOT December 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
11-78 8-00 6-20	DIST	COUNTY		SHEET NO.
8-95 3-03 12-22	AUS	WILLIAMSON		306
5-00 2-12				

22A

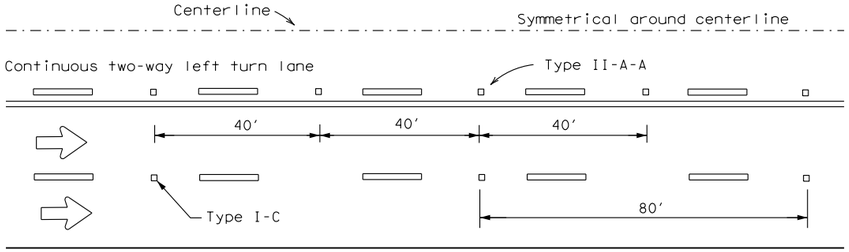
REFLECTIVE RAISED PAVEMENT MARKERS FOR VEHICLE POSITIONING GUIDANCE



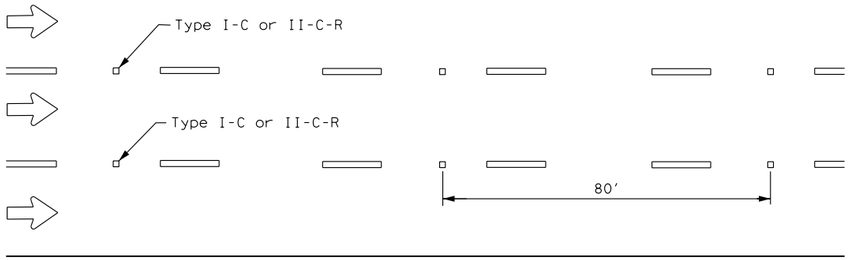
CENTERLINE FOR ALL TWO LANE TWO-WAY ROADWAYS



CENTERLINE & LANE LINES FOR FOUR LANE TWO-WAY ROADWAYS



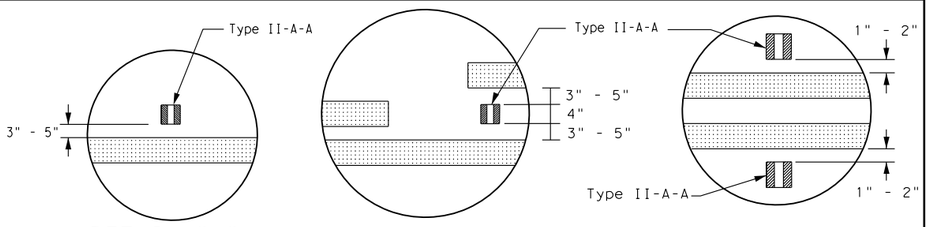
CENTERLINE AND LANE LINES FOR TWO-WAY LEFT TURN LANE



LANE LINES FOR ONE-WAY ROADWAY (NON-FREEWAY FACILITIES)

Raised pavement markers Type II-C-R shall have clear face toward normal traffic and red face toward wrong-way traffic.

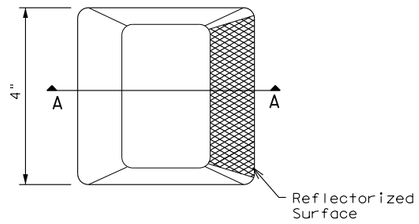
See Note 3.



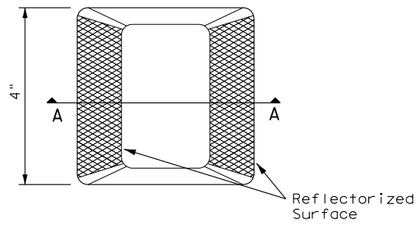
DETAIL "A" DETAIL "B" DETAIL "C"

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

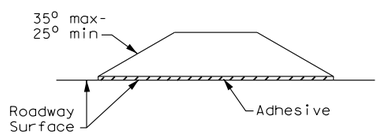
All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



Type I (Top View)

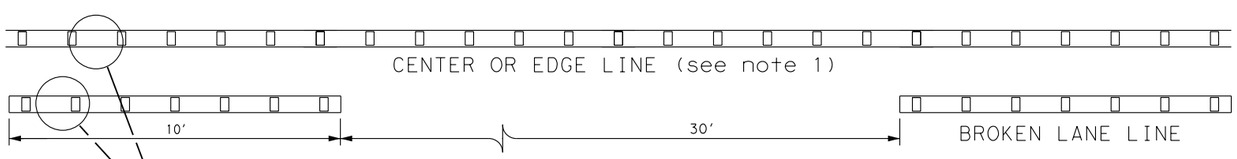


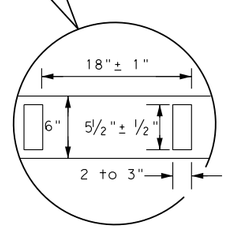
Type II (Top View)



SECTION A

RAISED PAVEMENT MARKERS

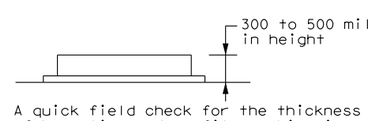




6" EDGE LINE, 6" CENTERLINE OR 6" LANE LINE

REFLECTORIZED PROFILE PATTERN DETAIL

USING REFLECTIVE PROFILE PAVEMENT MARKINGS



A quick field check for the thickness of base line and profile marking is approximately equal to a stack of 5 quarters to a maximum height of 7 quarters.

NOTES

1. Edge lines should typically be 6" wide and the materials shall be specified in the plans.
2. Profile markings shall not be placed on roadways with a posted speed limit of 45 MPH or less.

GENERAL NOTES

1. All raised pavement markers placed along broken lines shall be placed in line with and midway between the stripes.
2. On concrete pavements the raised pavement markers should be placed to one side of the longitudinal joints.
3. Use raised pavement marker Type I-C with undivided roadways, flush medians and two way left turn lanes. Use raised pavement marker Type II-C-R with divided highways and raised medians.

Texas Department of Transportation

Traffic Safety Division Standard

POSITION GUIDANCE USING RAISED MARKERS RELECTORIZED PROFILE MARKINGS PM(2)-22

FILE: pm2-22.dgn	DN:	CK:	DW:	CK:
©TxDOT December 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-77 8-00 6-20 4-92 2-10 12-22 5-00 2-12				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		307

22B

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DATE: 11/6/2024 2:10
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/Design/Traffic/Standards/PM2-22.dgn

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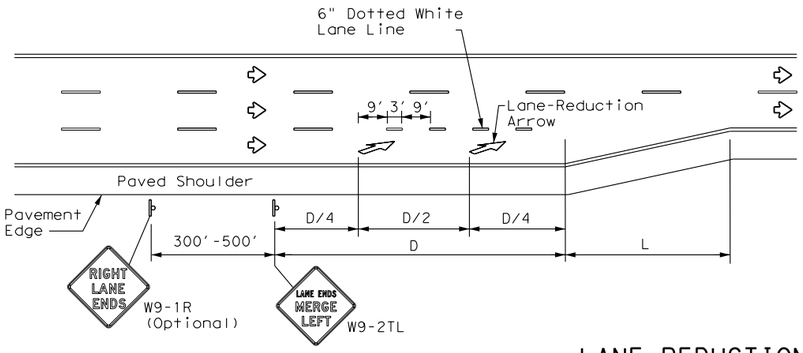
DATE: 11/6/2024 2:10
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design/pm3-22.dgn

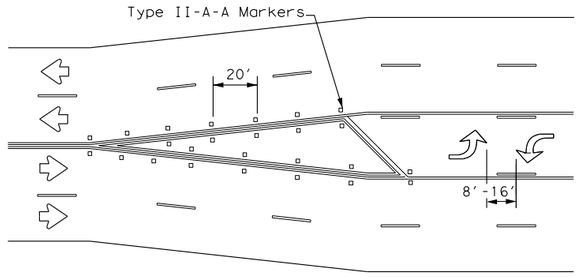


LANE REDUCTION

NOTES

1. Lane reduction pavement markings are used where the number of through lanes is reduced because of narrowing of the roadway or because of a section of on-street parking in what would otherwise be a through lane. For Texas Super 2 Passing Lanes, see TS2(PL) standard sheets.
2. On divided highways, an additional RIGHT LANE ENDS (W9-1R) sign may be installed in the median aligned with the W9-1R sign on the right side of the highway.
3. Lane reduction arrows are required for speeds of 45 mph or greater. An optional third lane reduction arrow may be added based on engineering judgement. If used, the optional third lane reduction arrow should be centered between the first and last lane reduction arrows.
4. For lane reductions on Freeways and Expressways, signing shall conform to the TxDOT Freeway Signing Handbook.

ADVANCED WARNING SIGN DISTANCE (D)		
Posted Speed	D (ft)	L (ft)
30 MPH	460	$L=\frac{WS^2}{60}$
35 MPH	565	
40 MPH	670	
45 MPH	775	L=WS
50 MPH	885	
55 MPH	990	
60 MPH	1,100	
65 MPH	1,200	
70 MPH	1,250	
75 MPH	1,350	



A two-way left-turn (TWLT) lane-use arrow pavement marking should be used at or just downstream from the beginning of a two-way left-turn lane within a corridor. Repeating the marking after each intersection or dedicated turn bay is not required unless stated elsewhere in the plans.

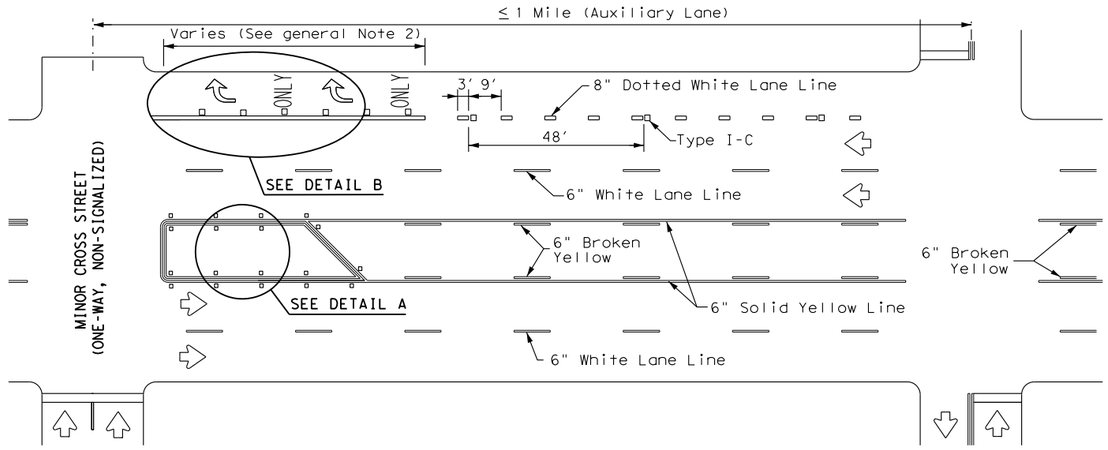
TYPICAL TRANSITION FOR TWLTL AND DIVIDED HIGHWAY

GENERAL NOTES

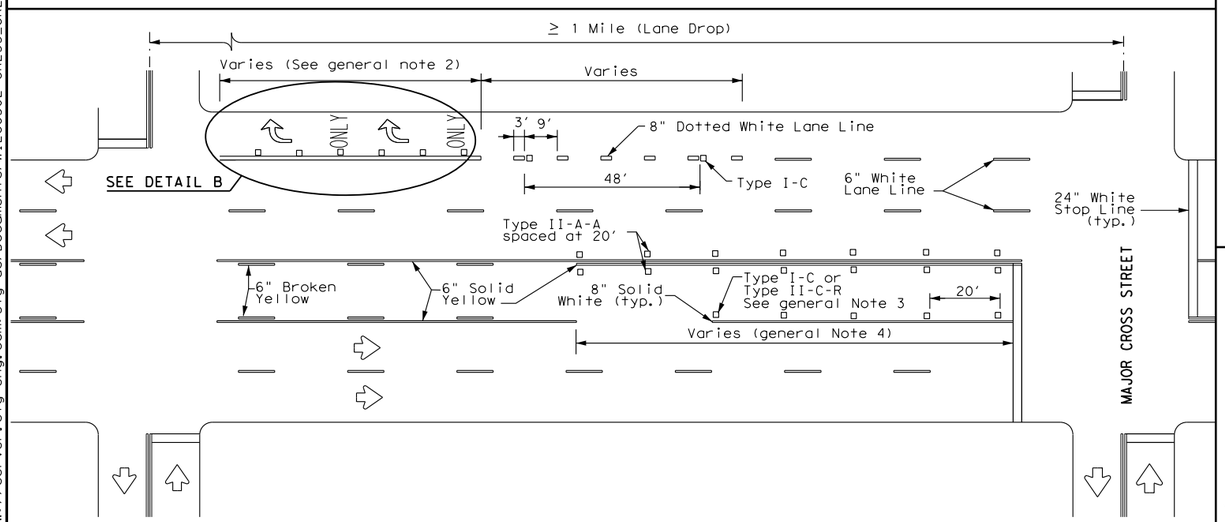
1. Lane use word and arrow markings shall be used where through lanes approaching an intersection become mandatory turn lanes. Lane use word and arrow markings should be used in auxiliary lanes of substantial length. Lane use arrow markings or word and arrow markings may be used in other lanes and turn bays for emphasis. Details for words and arrows are as shown in the Standard Highway Sign Designs for Texas.
2. When lane-use words and arrow markings are used, two sets of arrows should be used if the length of the bay is greater than 180 feet. When a single lane use arrow or word and arrow marking is used for a short turn lane, it should be located at or near the upstream end of the full-width turn lane.
3. Use raised pavement marker Type I-C with undivided highways, flush medians and two way left turn lanes. Use raised pavement marker Type II-C-R with divided highways and raised medians.
4. Length of turn bays, including taper, deceleration, and storage lengths shall be as shown on the plans or as directed by the Engineer. See Chapter 3 of the Roadway Design Manual for additional information on turning lanes or storage lengths.

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

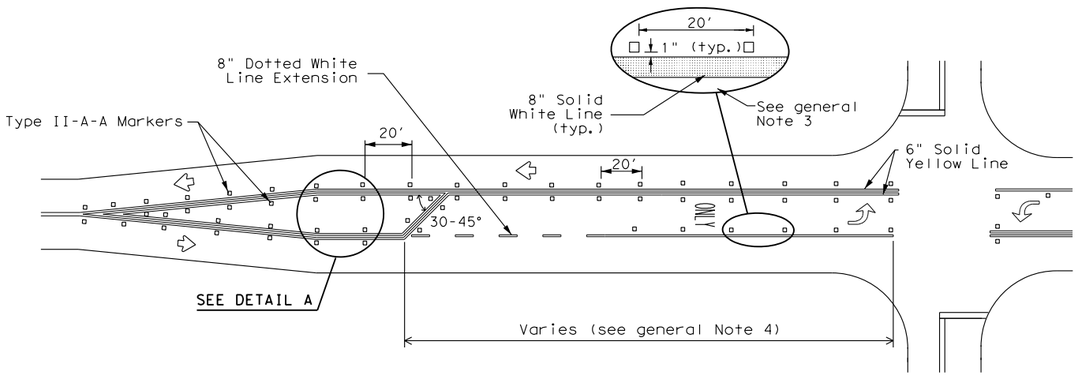
All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



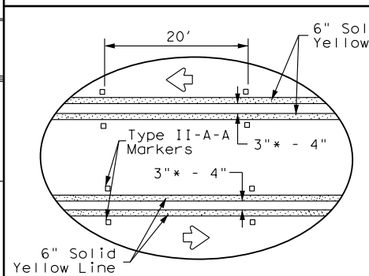
TYPICAL TWLTL AT ONE-WAY STREET AND RIGHT TURN AUXILIARY LANE



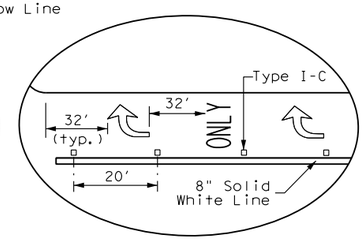
TYPICAL TWLTL AT TWO-WAY CROSS STREET AND RIGHT TURN LANE DROP



TYPICAL TWO-LANE ROADWAY INTERSECTION WITH LEFT TURN BAYS



DETAIL A



DETAIL B

* 2" minimum allowed for restripe projects when approved by the Engineer.

Texas Department of Transportation

Traffic Safety Division Standard

TWO-WAY LEFT TURN LANES, RURAL LEFT TURN BAYS, AND LANE REDUCTION PAVEMENT MARKINGS PM(3)-22

FILE: pm3-22.dgn	DN:	CK:	DW:	CK:
©TxDOT December 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
4-98 3-03 6-20	DIST	COUNTY		SHEET NO.
5-00 2-10 12-22	AUS	WILLIAMSON		308
8-00 2-12				

22C

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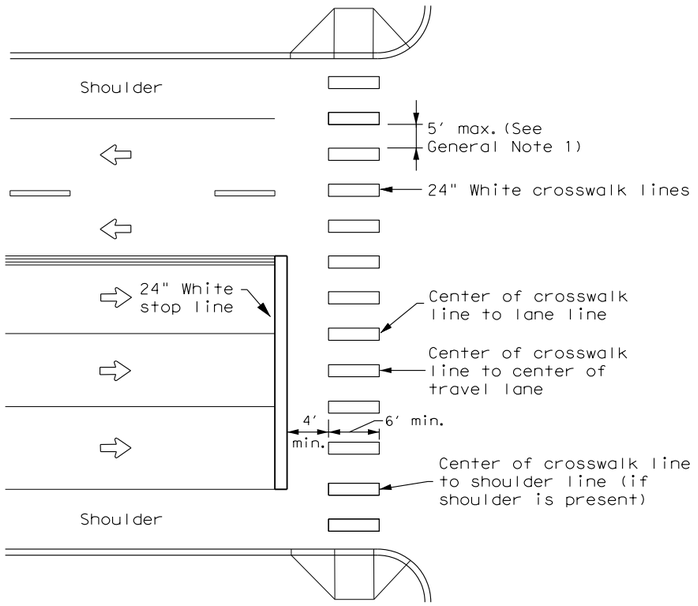
FILE: pw://Server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design/Traffic/Sheets/PM4-22D.dgn



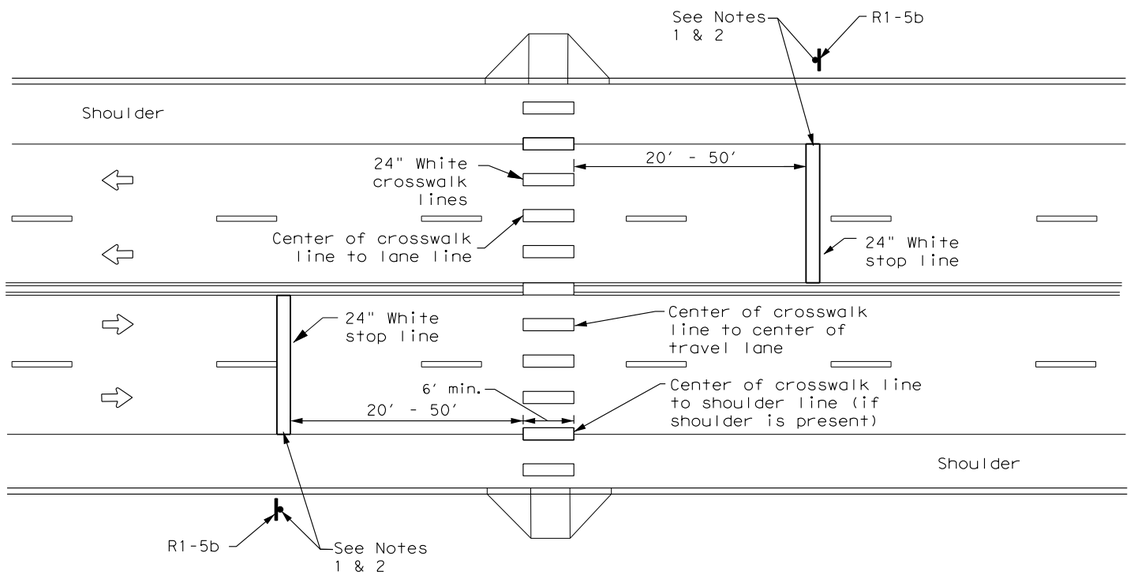
HIGH-VISIBILITY LONGITUDINAL CROSSWALK AT CONTROLLED APPROACH

GENERAL NOTES

1. Longitudinal crosswalk lines should not be placed in the wheel path of vehicles. Center the crosswalk lines on travel lanes, lane lines, and shoulder lines (if present).
2. A minimum 6" clear distance shall be provided to the curb face. If the last crosswalk line falls into this distance it must be omitted.
3. For divided roadways, adjustments in spacing of the crosswalk lines should be made in the median so that the crosswalk lines are maintained in their proper location across the travel portion of the roadway.
4. At skewed crosswalks, the crosswalk lines are to remain parallel to the lane lines.
5. Each crosswalk shall be a minimum of 6′ wide.
6. The High-Visibility Longitudinal Crosswalk is the preferred crosswalk pattern on State Highways. Other crosswalk patterns as shown in the "Texas Manual on Uniform Traffic Control Devices" may be used. All crosswalk designs and dimension shall comply with the "Texas Manual on Uniform Traffic Control Devices."
7. Final placement of Stop Bar and Crosswalk shall be approved by the Engineer in the field.

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



UNSIGNALIZED MIDBLOCK HIGH-VISIBILITY LONGITUDINAL CROSSWALK

NOTES:

1. Use stop bars with Stop Here For Pedestrians (R1-5b) signs at unsignalized midblock cross walks.
2. Use stop bars with STOP HERE ON RED (R10-6 or R10-6a) signs at mid block crosswalks controlled by traffic signals or pedestrian hybrid beacons.

Texas Department of Transportation

Traffic Safety Division Standard

CROSSWALK PAVEMENT MARKINGS

PM(4)-22A

FILE: pm4-22a.dgn	DN:	CK:	DW:	CK:
©TxDOT December 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
6-20	DIST	COUNTY		SHEET NO.
6-22	AUS	WILLIAMSON		309
12-22				

22D

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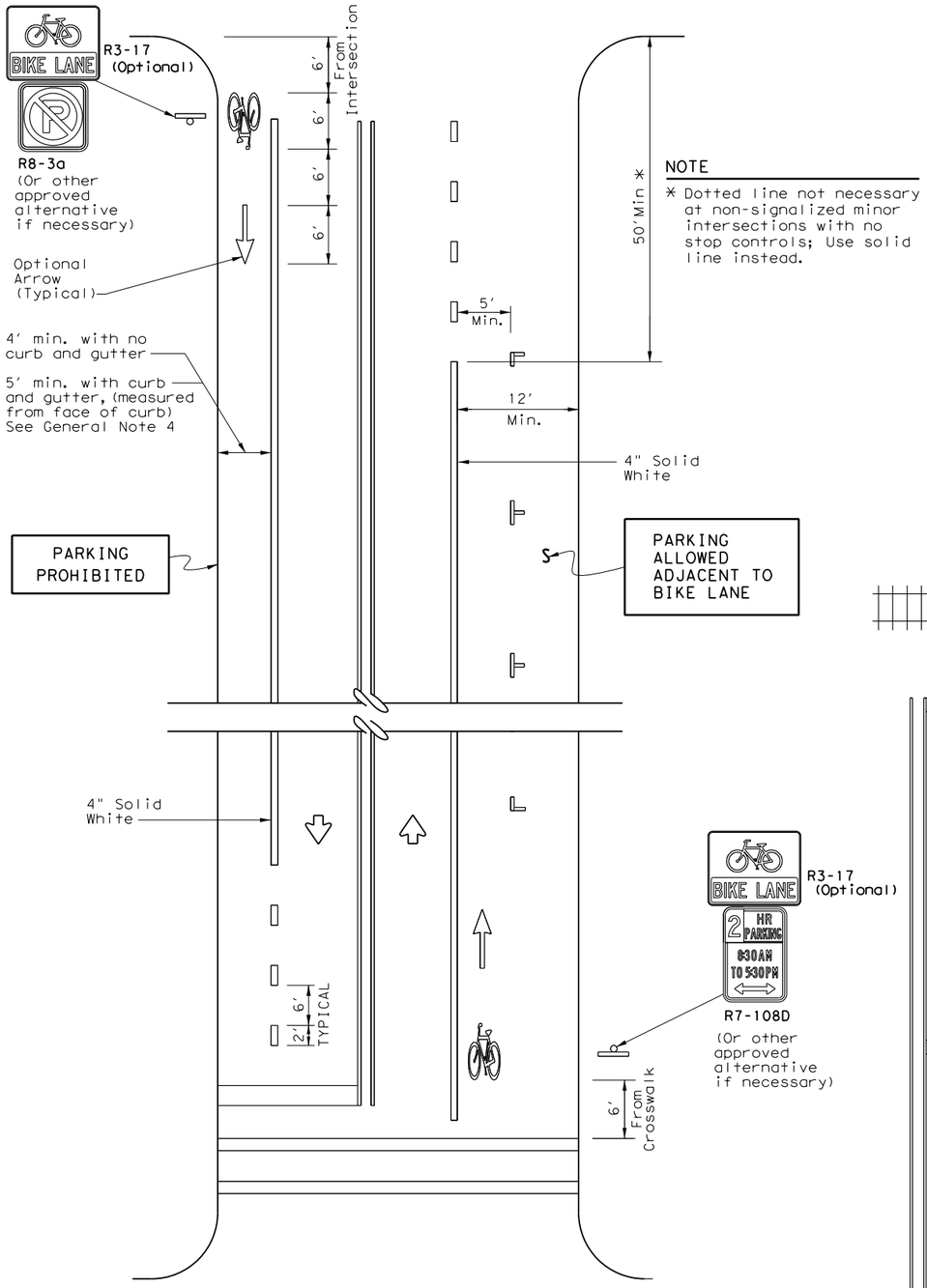


NOTE

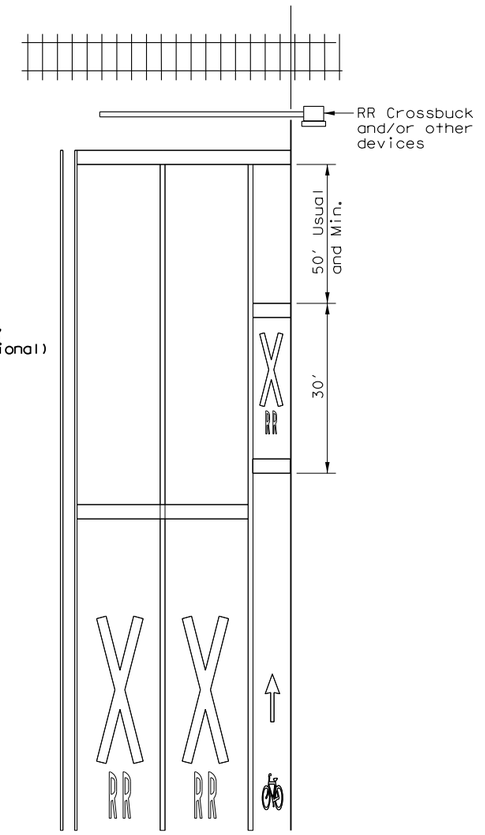
* Dotted line not necessary at non-signalized minor intersections with no stop controls; Use solid line instead.

NOTES

1. Bicycle lane pavement markings typically repeated after each intersection or signalized driveway.
2. On uninterrupted sections of roadway, bicycle lane pavement markings typically repeated as follows:

   -1200' for 45 MPH or less roads
   -2500' for 50 MPH and greater roads.

TWO-WAY STREET



(See RCPM Standard for travel lane details)

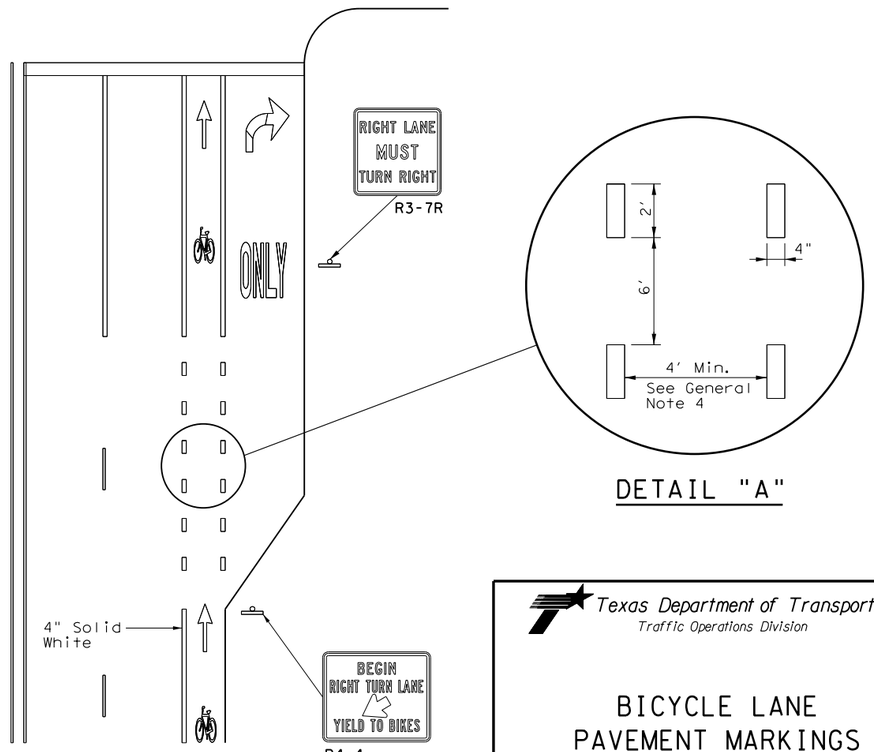
RAILROAD CROSSING APPROACH

GENERAL NOTES

1. All bicycle lane pavement markings shall be white unless otherwise noted.
2. All pavement marking materials shall meet the required Department Material Specifications as specified by the plans.
3. Exact sign placement and details are shown elsewhere in the plans.
4. The current edition of AASHTO'S Guide for the Development of Bicycle Facilities should be referenced for variations in design, other geometric conditions, and lane width options.
5. Other bicycle lane symbol or word markings as shown in the Texas Manual on Uniform Traffic Control Devices may be used. Details for words, arrows and symbols as shown in the Standard Highway Sign Designs for Texas.
6. The "BIKE LANE" (R3-17) sign with the "AHEAD" (R3-17a) sign mounted directly below should be installed in advance of the beginning of a marked bike lane.
7. The "BIKE LANE" (R3-17) sign with the "END" (R3-17b) sign mounted directly below should be installed at the end of marked bicycle lane.

LEGEND	
	Sign
	Traffic Flow

SPECIFICATION REFERENCE TABLE	
Traffic Paint	DMS-8200
Hot Applied Thermoplastic	DMS-8220
Permanent Prefabricated Pavement Markings	DMS-8240
Glass Traffic Beads	DMS-8290



RIGHT TURN ONLY LANE

DETAIL "A"

Texas Department of Transportation
Traffic Operations Division

BICYCLE LANE PAVEMENT MARKINGS

BLPM-10

© TxDOT May 2010	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
REVISIONS	CONT	SECT	JOB	HIGHWAY
				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		310

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FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255*CR289/Design*Data/4 - Design/Plans*Set/08. Traffic/Standards/smdgen.dgn

SIGN SUPPORT DESCRIPTIVE CODES

(Descriptive Codes correspond to project estimate and quantities sheets)

SM RD SGN ASSM TY XXXXX(X)XX(X-XXXX)

Post Type

FRP = Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
TWT = Thin-Walled Tubing (see SMD(TWT))
10BWG = 10 BWG Tubing (see SMD(SLIP-1) to (SLIP-3))
S80 = Schedule 80 Pipe (see SMD(SLIP-1) to (SLIP-3))

Number of Posts (1 or 2)

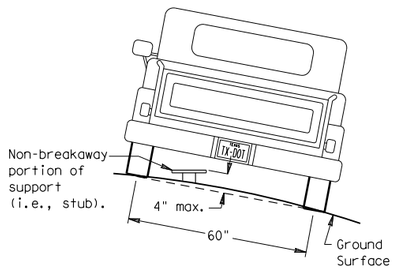
Anchor Type

UA = Universal Anchor - Concreted (see SMD(FRP) and (TWT))
UB = Universal Anchor - Bolted down (see SMD(FRP) and (TWT))
WS = Wedge Anchor Steel - (see SMD(TWT))
WP = Wedge Anchor Plastic (see SMD(TWT))
SA = Slipbase - Concreted (see SMD(SLIP-1) to (SLIP-3))
SB = Slipbase - Bolted Down (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Designation

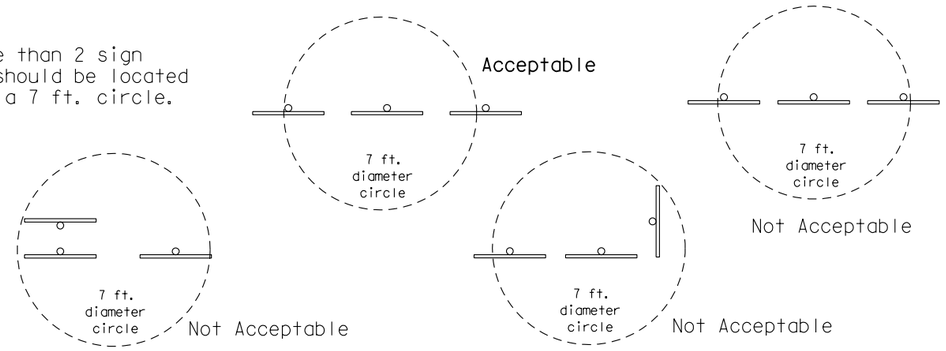
P = Prefab. "Plain" (see SMD(SLIP-1) to (SLIP-3), (TWT), (FRP))
T = Prefab. "T" (see SMD(SLIP-1) to (SLIP-3), (TWT))
U = Prefab. "U" (see SMD(SLIP-1) to (SLIP-3))
IF REQUIRED
1EXT or 2EXT = Number of Extensions (see SMD(SLIP-1) to (SLIP-3), (TWT))
BM = Extruded Wind Beam (see SMD(SLIP-1) to (SLIP-3))
WC = 1.12 #/ft Wing Channel (see SMD(SLIP-1) to (SLIP-3))
EXAL = Extruded Aluminum Sign Panels (see SMD(SLIP-1))

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT



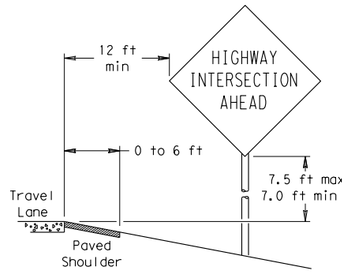
To avoid vehicle undercarriage snagging, any substantial remains of a breakaway support, when it is broken away, should not project more than 4 inches above a 60-inch chord (i.e., typical space between wheel paths).

No more than 2 sign posts should be located within a 7 ft. circle.



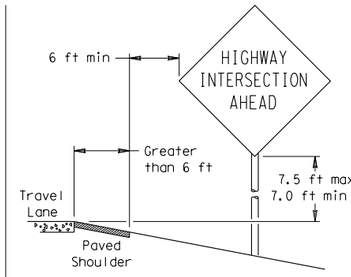
SIGN LOCATION

PAVED SHOULDERS



LESS THAN 6 FT. WIDE

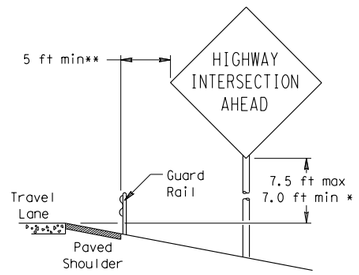
When the shoulder is 6 ft. or less in width, the sign must be placed at least 12 ft. from the edge of the travel lane.



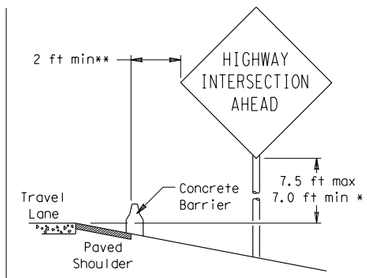
GREATER THAN 6 FT. WIDE

When the shoulder is greater than 6 ft in width, the sign must be placed at least 6 ft. from the edge of the shoulder.

BEHIND BARRIER



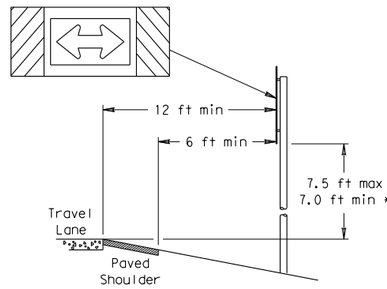
BEHIND GUARDRAIL



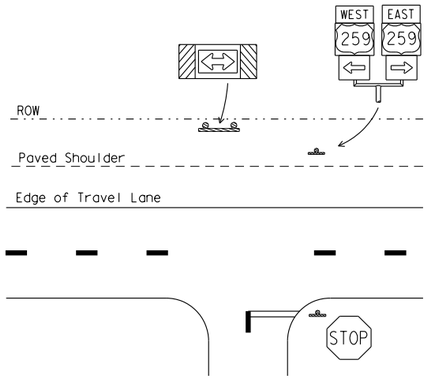
BEHIND CONCRETE BARRIER

**Sign clearance based on distance required for proper guard rail or concrete barrier performance.

T-INTERSECTION



When this sign is needed at the end of a two-lane, two way roadway, the right edge of the sign should be in line with the centerline of the roadway. Place as close to ROW as practical.



* Signs shall be mounted using the following condition that results in the greatest sign elevation:

(1) a minimum of 7 to a maximum of 7.5 feet above the edge of the travel lane or

(2) a minimum of 7 to a maximum of 7.5 feet above the grade at the base of the support when sign is installed on the backslope.

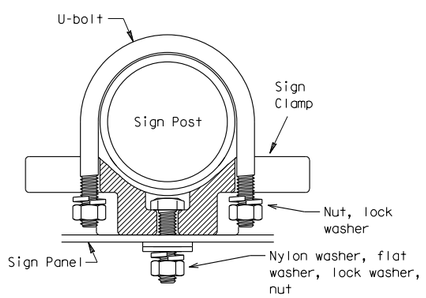
The maximum values may be increased when directed by the Engineer.

See the Traffic Operations Division website for detailed drawings of sign clamps, Triangular Slipbase System components and Wedge Anchor System components.

The website address is:
http://www.txdot.gov/publications/traffic.htm

TYPICAL SIGN ATTACHMENT DETAIL

Single Signs

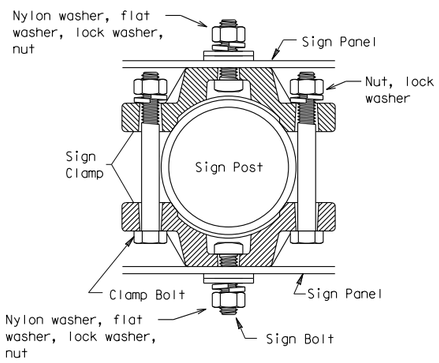


Bolts used to mount sign panels to the clamp are 5/16-18 UNC galvanized square head with nut, nylon washer, flat washer and lock washer. The bolt length is 1 inch for aluminum.

When two sign clamps are used to mount signs back-to-back, use a 5/16-18 UNC galvanized hex head per ASTM A307 with nut and helical-spring lock washer. The approximate bolt lengths for various post sizes and sign clamp types are given in the table at right. The bolt length may need to be adjusted depending upon field conditions.

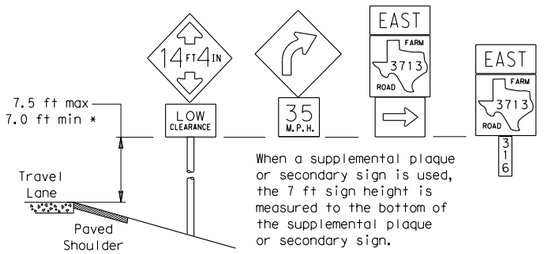
Sign clamps may be either the specific size clamp or the universal clamp.

Back-to-Back Signs



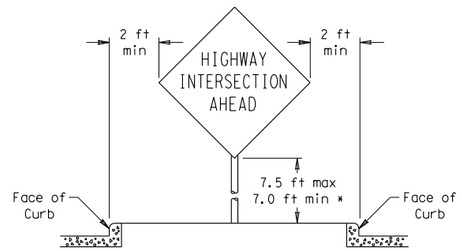
Pipe Diameter	Approximate Bolt Length	
	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

SIGNS WITH PLAQUES



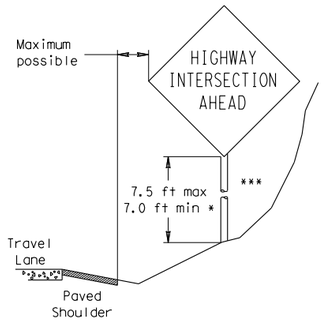
When a supplemental plaque or secondary sign is used, the 7 ft sign height is measured to the bottom of the supplemental plaque or secondary sign.

CURB & GUTTER OR RAISED ISLAND



RESTRICTED RIGHT-OF-WAY

(When 6 ft min. is not possible.)



Right-of-way restrictions may be created by rocks, water, vegetation, forest, buildings, a narrow island, or other factors.

In situations where a lateral restriction prevents the minimum horizontal clearance from the edge of the travel lane, signs should be placed as far from the travel lane as practical.

*** Post may be shorter if protected by guardrail or if Engineer determines the post could not be hit due to extreme slope.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS GENERAL NOTES & DETAILS

SMD(GEN)-08

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9-08 REVISIONS	CONT	SECT	JOB	HIGHWAY
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	DIST	COUNTY		SHEET NO.
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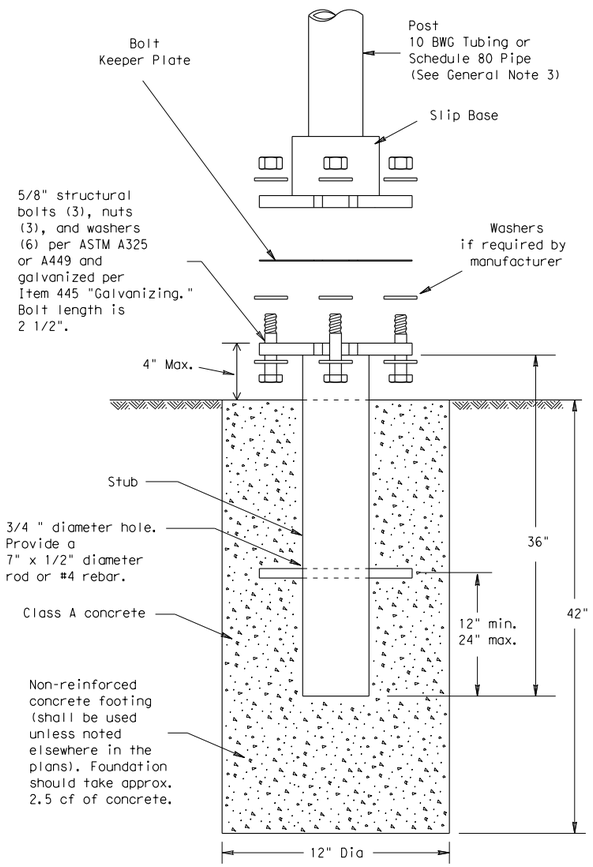
TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS



SM RD SGN ASSM TY XXXXX(X)SA(X-XXXX)

NOTE

There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. http://www.txdot.gov/business/producer_list.htm The devices shall be installed per manufacturers' recommendations. Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES:

1. Slip base shall be permanently marked to indicate manufacturer. Method, design, and location of marking are subject to approval of the TxDOT Traffic Standards Engineer.
2. Material used as post with this system shall conform to the following specifications:
   10 BWG Tubing (2.875" outside diameter)
   - 0.134" nominal wall thickness
   - Seamless or electric-resistance welded steel tubing or pipe
   - Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
   - Other steels may be used if they meet the following:
     - 55,000 PSI minimum yield strength
     - 70,000 PSI minimum tensile strength
     - 20% minimum elongation in 2"
   - Wall thickness (uncoated) shall be within the range of 0.122" to 0.138"
   - Outside diameter (uncoated) shall be within the range of 2.867" to 2.883"
   - Galvanization per ASTM A123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.

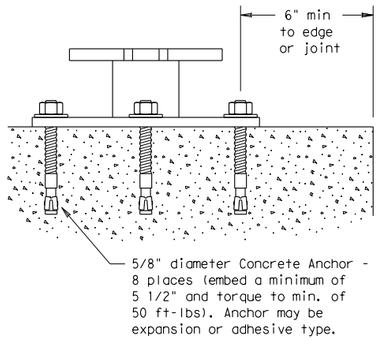
   Schedule 80 Pipe (2.875" outside diameter)
   - 0.276" nominal wall thickness
   - Steel tubing per ASTM A500 Gr C
   - Other seamless or electric-resistance welded steel tubing or pipe with equivalent outside diameter and wall thickness may be used if they meet the following:
     - 46,000 PSI minimum yield strength
     - 62,000 PSI minimum tensile strength
     - 21% minimum elongation in 2"
   - Wall thickness (uncoated) shall be within the range of 0.248" to 0.304"
   - Outside diameter (uncoated) shall be within the range of 2.855" to 2.895"
   - Galvanization per ASTM A123
3. See the Traffic Operations Division website for detailed drawings of sign clamps and Texas Universal Triangular Slipbase System components. The website address is: http://www.txdot.gov/publications/traffic.htm
4. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.

ASSEMBLY PROCEDURE

Foundation
1. Prepare 12-inch diameter by 42-inch deep hole. If solid rock is encountered, the depth of the foundation may be reduced such that it is embedded a minimum of 18 inches into the solid rock.
2. The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor-driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Concrete shall be Class A.
3. Push the pipe end of the slip base stub into the center of the concrete. Rotate the stub back and forth while pushing it down into the concrete to assure good contact between the concrete and stub. Continue to work the stub into the concrete until it is between 2 to 4 inches above the ground.
4. Plumb the stub. Allow a minimum of 4 days to set, unless otherwise directed by the Engineer.
5. The triangular slipbase system is multidirectional and is designed to release when struck from any direction.

Support
1. Cut support so that the bottom of the sign will be 7 to 7.5 feet above the edge of the travelway (i.e., edge of the closest lane) when slip plate is below the edge of pavement or 7 to 7.5 feet above slip plate when the slip plate is above the edge of the travelway. The cut shall be plumb and straight.
2. Attach sign to support using connections shown. When multiple signs are installed on the same support, ensure the minimum clearance between each sign is maintained. See SMD(SLIP-2) for clearances based on sign types.

CONCRETE ANCHOR



SM RD SGN ASSM TY XXXXX(X)SB(X-XXXX)

Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. Heavy hex nut per ASTM A563, and hardened washer per ASTM F436. The stud bolt shall have a minimum yield and ultimate tensile strength of 50 and 75 KSI, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations. Top of bolt shall extend at least flush with top of the nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 5 1/2" minimum embedment, shall have a minimum allowable tension and shear of 3900 and 3100 psi, respectively.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-1)-08

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REVISIONS	CONT	SECT	JOB	HIGHWAY
9-08				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		312

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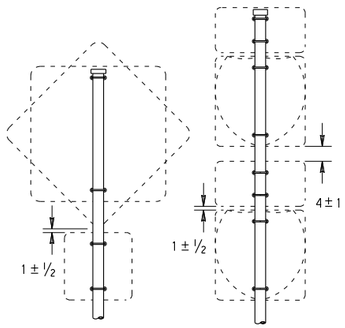

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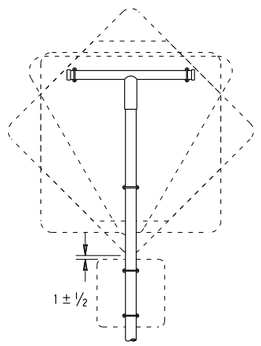

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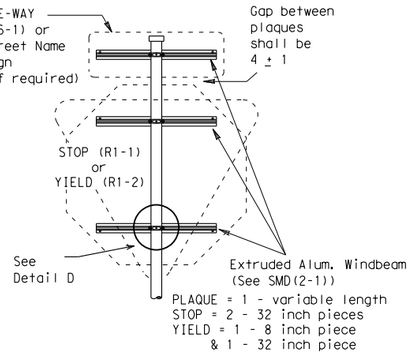

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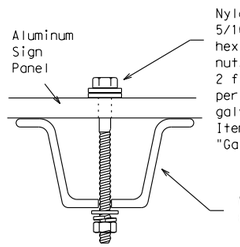
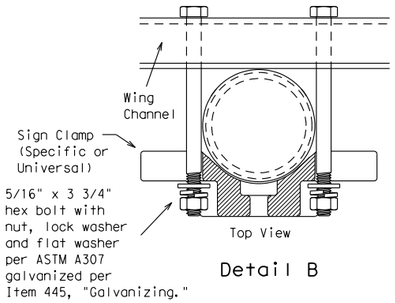


Detail A



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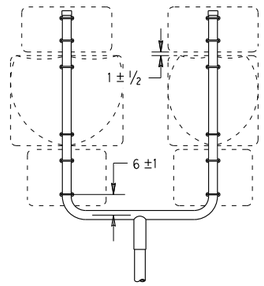
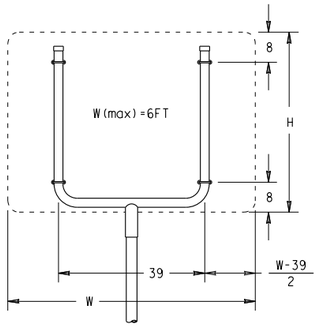


SM RD SGN ASSM TY XXXXX(1)XX(U)



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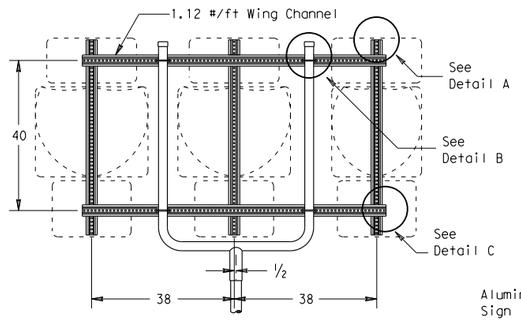
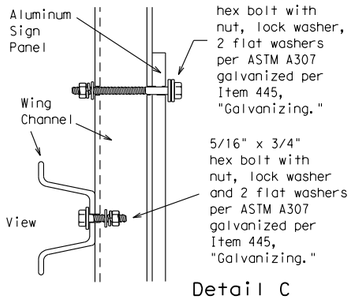
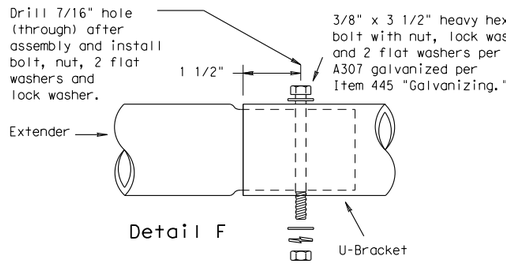


SM RD SGN ASSM TY XXXXX(1)XX(U-WC)
(See Note 11)

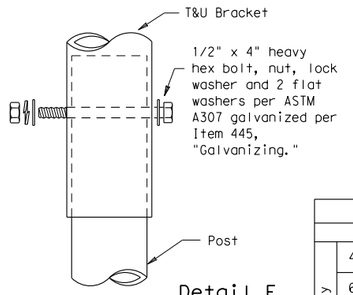


Detail C

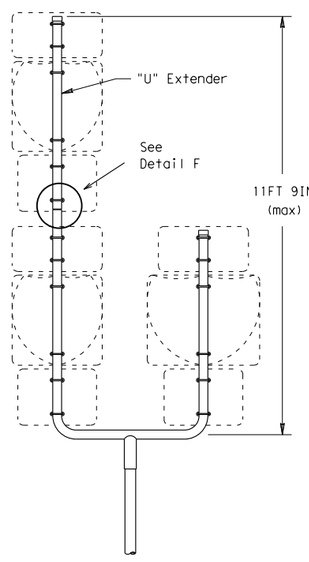


Detail F

Splices shall only be allowed behind the sign substrate.



Detail E



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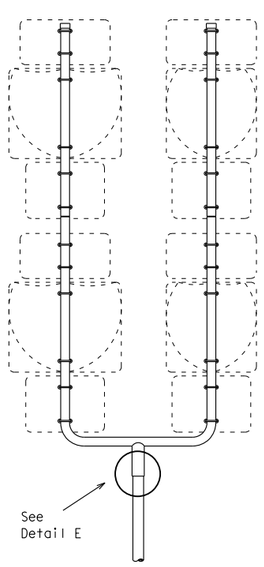

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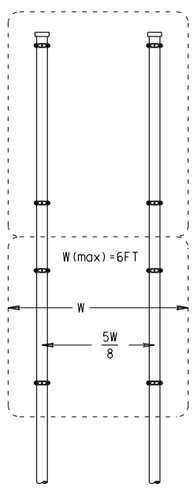
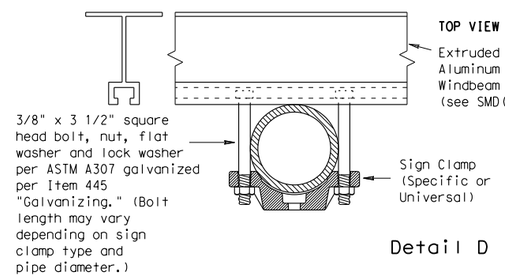
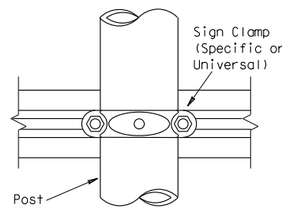


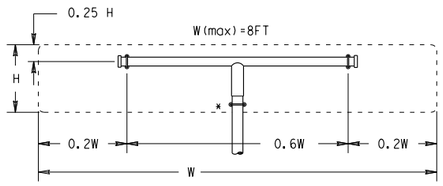
SM RD SGN ASSYM TY XXXXX(2)XX(P)

SIDE VIEW



Detail D

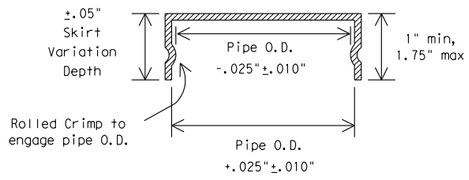




SM RD SGN ASSM TY XXXXX(1)XX(T)
(* - See Note 12)

All dimensions are in english unless detailed otherwise.

FRICTION CAP DETAIL



Friction caps may be manufactured from hot rolled or cold rolled steel sheets. The minimum sheet metal thickness shall be 24 gauge for all cap sizes.

The rim edges shall be reasonably straight and smooth. Caps shall be sized and formed in such a manner as to produce a drive-on friction fit and have no tendency to rock when seated on the pipe. The depth shall be sufficient to give positive protection against entrance of rainwater. They shall be free of sharp creases or indentations and show no evidence of metal fracture.

Caps shall have an electrodeposited coating of zinc in accordance with the requirements of ASTM B633 Class FE/ZN 8.

GENERAL NOTES:

1.

SIGN SUPPORT	# OF POSTS	MAX. SIGN AREA
10 BWG	1	16 SF
10 BWG	2	32 SF
Sch 80	1	32 SF
Sch 80	2	64 SF

2. The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
3. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
4. Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
5. Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
6. For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
7. When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
8. Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per ASTM A 123.
9. Excess pipe, wing channel, or windbeam shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
10. Additional route markers may be added vertically, provided the total sign area does not exceed the maximum allowable amount per Note 1.
11. Additional sign clamp required on the "T-bracket" post for 24 inch height signs. Place the clamp 3 inches above bottom of sign when possible.
12. Post open ends shall be fitted with Friction Caps.
13. Sign blanks shall be the sizes and shapes shown on the plans.

REQUIRED SUPPORT

	SIGN DESCRIPTION	SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-2)-08

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				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		313

26C

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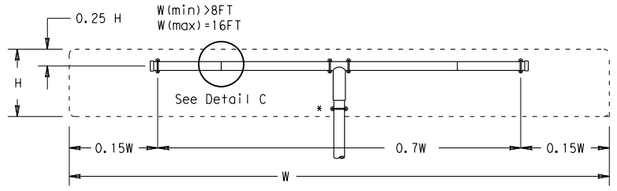
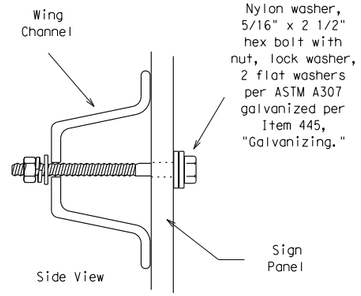
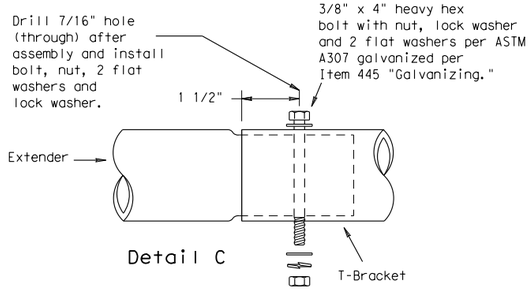


SM RD SGN ASSM TY XXXXX(1)XX(T-2EXT)
(* - See Note 12)



Detail B



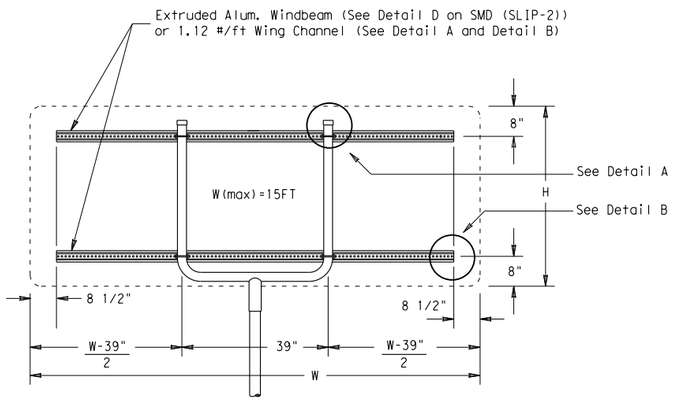
Detail C

Splices shall only be allowed behind the sign substrate.

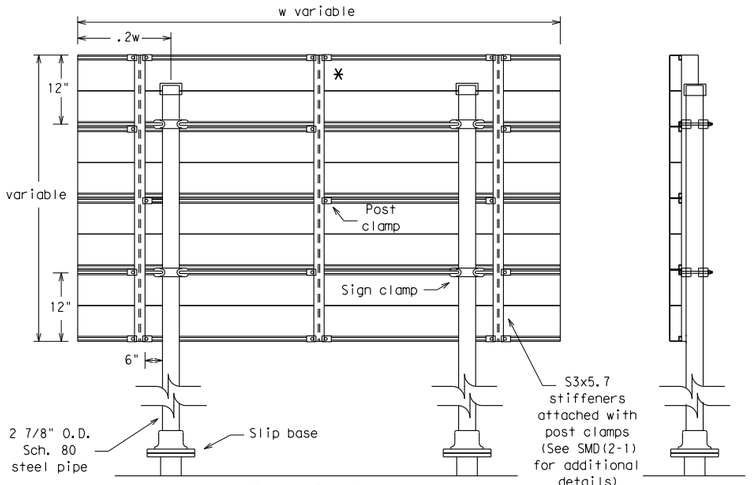
GENERAL NOTES:

SIGN SUPPORT	# OF POSTS	MAX. SIGN AREA
10 BWG	1	16 SF
10 BWG	2	32 SF
Sch 80	1	32 SF
Sch 80	2	64 SF

1. The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
2. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
3. Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
4. Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
5. For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
6. When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
7. Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per ASTM A 123.
8. Excess pipe, wing channel, or windbeam shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
9. Sign blanks shall be the sizes and shapes shown on the plans.
10. Additional sign clamp required on the "T-bracket" post for 24 inch high signs. Place the clamp 3 inches above bottom of sign when possible.
11. Post open ends shall be fitted with Friction Caps.



SM RD SGN ASSM TY XXXXX(1)XX(U-XX)

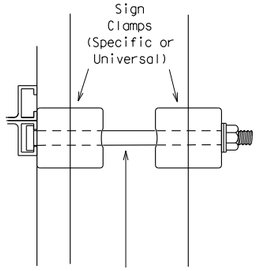


Typical Sign Mount

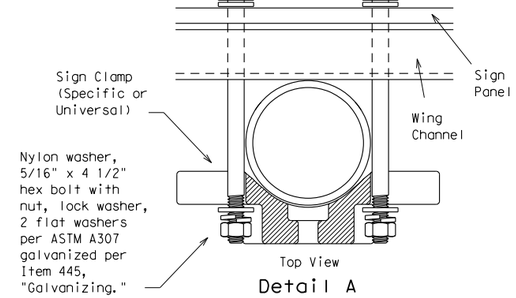
SM RD SGN ASSM TY S80(2)XX(P-EXAL)

* Additional stiffener placed at approximate center of signs when sign width is greater than 10'.

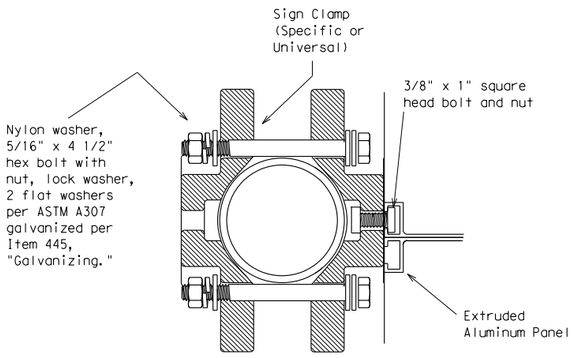
See Detail E
for clamp installation



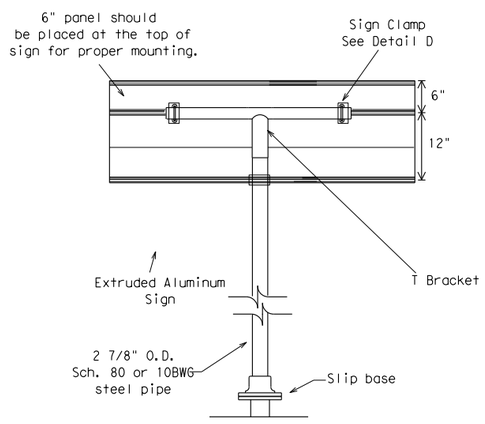
Detail E



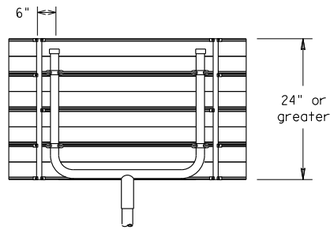
Detail A



Detail D
EXTRUDED ALUMINUM SIGN WITH T BRACKET



Extruded Aluminum Sign
With T Bracket



Use Extruded Alum. Windbeam as stiffeners
See SMD (2-1) for additional details

See Detail E
for clamp installation

REQUIRED SUPPORT		
	SIGN DESCRIPTION	SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-3)-08

© TxDOT July 2002

DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		314

9-08 REVISIONS

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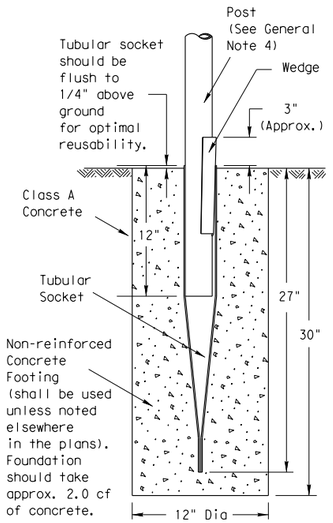
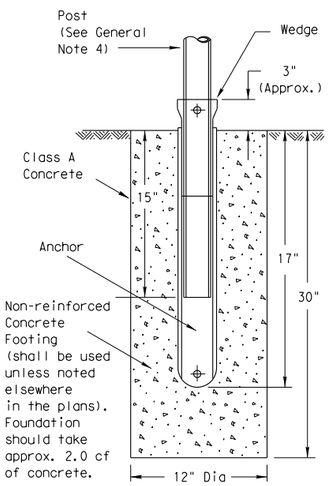
DATE: 11/6/2024 2:11
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255*CR289/Design*Data/4 - Design/Plan*Set/08. Traffic/Standards/smdtwt.dgn

Wedge Anchor Steel System



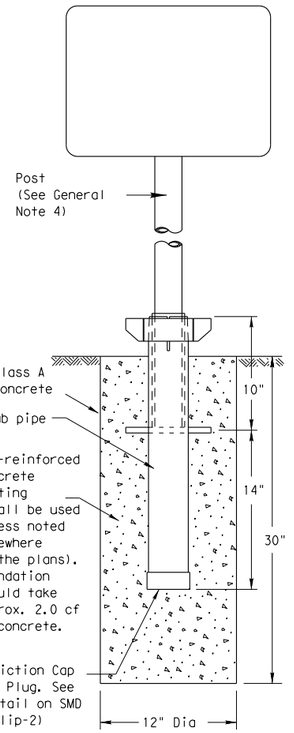
SM RD SGN ASSM TY TWT(X)WS(X)

Wedge Anchor High Density Polyethylene (HDPE) System

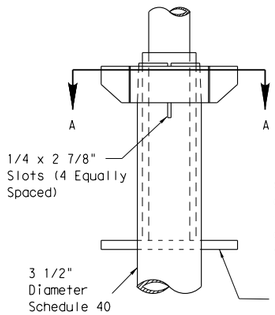


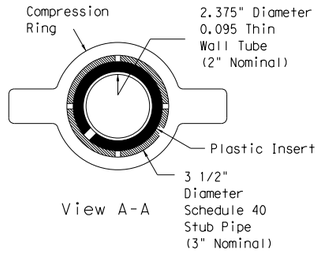
SMD RD SGN ASSM TY TWT(X)WP(X)

Universal Anchor System with Thin-Walled Tubing Post



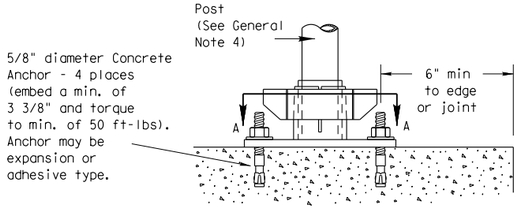
SM RD SGN ASSM TY TWT(X)UA(P)



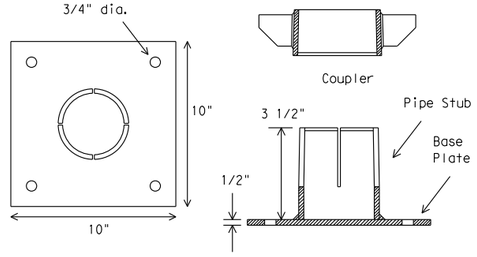


View A-A

Plastic insert must be used when using the TWT with either the Universal Anchor System or the Bolt Down Universal Anchor System. The insert should be approx. 10" long and cover the tubing from just above the top of the stub pipe to the bottom of the sign post when using the Universal Anchor System. The insert should be cut to approx. 4 1/2" when used with the Bolt Down Universal Anchor System.

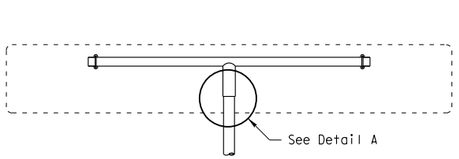


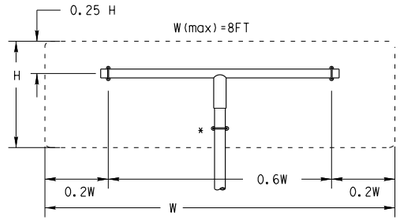
Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. A heavy hex nut per ASTM A563 and hardened washer per ASTM F436. The stud bolt shall have minimum yield and ultimate tensile strengths of 50 and 75 ksi, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Top of bolt shall extend at least flush with top of nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 3 3/8" minimum embedment, shall have a minimum allowable tension and shear of 2450 and 1525 psi, respectively. Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations.



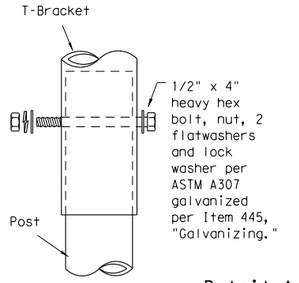
SM RD SGN ASSM TY TWT(X)UB(P)

Sign Installation Using a Prefabricated T-Bracket for Thin-Wall Tubing Post





SM RD SGN ASSM TY TWT(X)XX(T)
(* - See General Note 6)



Detail A

9/16" hole may need to be drilled through post to accommodate bolt.

NOTE

The devices shall be installed per manufacturer's recommendations.
Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES:

1. The Wedge Anchor System and the Universal Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
2. The tubular socket, wedge and prefabricated T-bracket shall be permanently marked to indicate manufacturer. Method, design, and location of marking are subject to the approval of the TxDOT Traffic Standards Engineer.
3. Except for posts (13 BWG Tubing), clamps, nuts and bolts, all components shall be prequalified. A list of prequalified vendors may be obtained from the Material Producer List web page. The website address is: http://www.txdot.gov/business/producer list.htm
4. Material used as post with this system shall conform to the following specifications:
   13 BWG Tubing (2.375" outside diameter) (TWT)
   0.095" nominal wall thickness
   Seamless or electric-resistance welded steel tubing
   Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
   Other steels may be used if they meet the following:
   55,000 PSI minimum yield strength
   70,000 PSI minimum tensile strength
   18% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of .083" to .099"
   Outside diameter (uncoated) shall be within the range of 2.369" to 2.381"
   Galvanization per ASTM 123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
5. Sign blanks shall be the sizes and shapes shown on the plans.
6. Additional sign clamp required on the "T-bracket" post for 24" high signs. Place clamp at least 3" above bottom of sign when possible.
7. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
8. See the Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components. The website address is: http://www.txdot.gov/publications/traffic.htm

WEDGE ANCHOR SYSTEM INSTALLATION PROCEDURE

1. Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend in the solid rock a minimum depth of 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) must be followed. The inner surfaces of the socket/stub must remain free of concrete or other debris.
2. The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Place concrete into hole until it is approximately flush with the ground. Concrete shall be Class A.
3. Insert tubular socket into concrete until top of socket is approximaely 1/4 " above the concrete footing.
4. Plumb the socket. Allow a minimum 4 days for concrete to set, unless otherwise directed by Engineer..
5. Attach the sign to the sign post.
6. Insert the sign post into socket and align sign face with roadway.
7. Drive the wedge into the socket to secure post. This will leave approximately 3 inches of the wedge exposed.

UNIVERSAL ANCHOR SYSTEM INSTALLATION PROCEDURE

1. Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend in the solid rock a minimum depth of 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) must be followed. The inner surfaces of the socket/stub must remain free of concrete or other debris.
2. Insert base post in hole to depths shown and backfill hole with concrete.
3. Level and plumb the base post using a torpedo level and allow concrete adequate time to set. The bottom of the slots provided in the stub pipe shall remain above the top of the concrete foundation.
4. Attach the sign to the sign post.
5. Install plastic insert around bottom of post.
6. Insert sign post into base post. Lower until the post comes to rest on steel rod.
7. Seat compression ring using a hammer. Typically, the top of compression ring will be approximately level with top of stub post when optimally installed.
8. Check sign post by hand to ensure it is unable to turn. If loose, increase the tightening of the compression ring.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS WEDGE & UNIVERSAL ANCHOR WITH THIN WALL TUBING POST

SMD(TWT)-08

©TxDOT July 2002	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
9-08 REVISIONS	CONT	SECT	JOB	HIGHWAY
				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		315

26E

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DATE:
FILE:

I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402

TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506.

List MS4 Operator(s) that may receive discharges from this project. They may need to be notified prior to construction activities.

1.

2.

☐ No Action Required ☒ Required Action

Action No.

1. Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000
2. Comply with the SW3P and revise when necessary to control pollution or required by the Engineer.
3. Post Construction Site Notice (CSN) with SW3P information on or near the site, accessible to the public and TCEQ, EPA or other inspectors.
4. When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, submit NOI to TCEQ and the Engineer.

II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404

USACE Permit required for filling, dredging, excavating or other work in any water bodies, rivers, creeks, streams, wetlands or wet areas.

The Contractor must adhere to all of the terms and conditions associated with the following permit(s):

☒ No Permit Required

☐ Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected)

☐ Nationwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters)

☐ Individual 404 Permit Required

☐ Other Nationwide Permit Required: NWP# _____

Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.

1.

2.

3.

4.

The elevation of the ordinary high water marks of any areas requiring work to be performed in the waters of the US requiring the use of a nationwide permit can be found on the Bridge Layouts.

Best Management Practices:

Erosion	Sedimentation	Post-Construction TSS
☒ Temporary Vegetation	☒ Silt Fence	☒ Vegetative Filter Strips
☒ Blankets/Matting	☒ Rock Berm	☐ Retention/Irrigation Systems
☒ Mulch	☐ Triangular Filter Dike	☐ Extended Detention Basin
☐ Sodding	☐ Sand Bag Berm	☐ Constructed Wetlands
☐ Interceptor Swale	☐ Straw Bale Dike	☐ Wet Basin
☐ Diversion Dike	☐ Brush Berms	☒ Erosion Control Compost
☐ Erosion Control Compost	☐ Erosion Control Compost	☐ Mulch Filter Berm and Socks
☐ Mulch Filter Berm and Socks	☐ Mulch Filter Berm and Socks	☐ Compost Filter Berm and Socks
☐ Compost Filter Berm and Socks	☐ Compost Filter Berm and Socks	☒ Vegetation Lined Ditches
	☐ Stone Outlet Sediment Traps	☐ Sand Filter Systems
	☐ Sediment Basins	☐ Grassy Swales

III. CULTURAL RESOURCES

Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the immediate area and contact the Engineer immediately.

☐ No Action Required ☐ Required Action

Action No.

1.

2.

3.

4.

IV. VEGETATION RESOURCES

Preserve native vegetation to the extent practical.
Contractor must adhere to Construction Specification Requirements Specs 162, 164, 192, 193, 506, 730, 751, 752 in order to comply with requirements for invasive species, beneficial landscaping, and tree/brush removal commitments.

☐ No Action Required ☐ Required Action

Action No.

1.

2.

3.

4.

V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS.

☐ No Action Required ☐ Required Action

Action No.

1.

2.

3.

4.

If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Engineer immediately.

LIST OF ABBREVIATIONS

BMP:	Best Management Practice	SPCC:	Spill Prevention Control and Countermeasure
CGP:	Construction General Permit	SW3P:	Storm Water Pollution Prevention Plan
DSHS:	Texas Department of State Health Services	PCN:	Pre-Construction Notification
FHWA:	Federal Highway Administration	PSL:	Project Specific Location
MOA:	Memorandum of Agreement	TCEQ:	Texas Commission on Environmental Quality
MOU:	Memorandum of Understanding	TPDES:	Texas Pollutant Discharge Elimination System
MS4:	Municipal Separate Stormwater Sewer System	TPWD:	Texas Parks and Wildlife Department
MBTA:	Migratory Bird Treaty Act	TxDOT:	Texas Department of Transportation
NOT:	Notice of Termination	T&E:	Threatened and Endangered Species
NWP:	Nationwide Permit	USACE:	U.S. Army Corps of Engineers
NOI:	Notice of Intent	USFWS:	U.S. Fish and Wildlife Service

VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES

General (applies to all projects):

Comply with the Hazard Communication Act (the Act) for personnel who will be working with hazardous materials by conducting safety meetings prior to beginning construction and making workers aware of potential hazards in the workplace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used.

Obtain and keep on-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act.

Maintain an adequate supply of on-site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, in accordance with safe work practices, and contact the District Spill Coordinator immediately. The Contractor shall be responsible for the proper containment and cleanup of all product spills.

Contact the Engineer if any of the following are detected:
* Dead or distressed vegetation (not identified as normal)
* Trash piles, drums, canister, barrels, etc.
* Undesirable smells or odors
* Evidence of leaching or seepage of substances

Does the project involve any bridge class structure rehabilitation or replacements (bridge class structures not including box culverts)?

☐ Yes ☒ No

If "No", then no further action is required.
If "Yes", then TxDOT is responsible for completing asbestos assessment/inspection.

Are the results of the asbestos inspection positive (is asbestos present)?

☐ Yes ☐ No

If "Yes", then TxDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/mitigation procedures, and perform management activities as necessary. The notification form to DSHS must be postmarked at least 15 working days prior to scheduled demolition.

If "No", then TxDOT is still required to notify DSHS 15 working days prior to any scheduled demolition.

In either case, the Contractor is responsible for providing the date(s) for abatement activities and/or demolition with careful coordination between the Engineer and asbestos consultant in order to minimize construction delays and subsequent claims.

Any other evidence indicating possible hazardous materials or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project:

☐ No Action Required ☐ Required Action

Action No.

1.

2.

3.

VII. OTHER ENVIRONMENTAL ISSUES

(includes regional issues such as Edwards Aquifer District, etc.)

☐ No Action Required ☒ Required Action

Action No.

1. CONTRACTOR TO FOLLOW TCEQ REQUIREMENTS AS REQUIRED IN EDWARDS AQUIFER PROTECTION PROGRAM ROADWAY APPLICATION
2.
3.

Texas Department of Transportation

Design Division Standard

ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS

EPIC

FILE: epic.dgn	DN: TxDOT	CK: RG	DW: VP	CK: AR	
©TxDOT: February 2015	CONT	SECT	JOB	HIGHWAY	
REVISIONS				CR 255	
12-12-2011 (DS)	DIST	COUNTY		SHEET NO.	
05-07-14 ADDED NOTE SECTION IV.					
01-23-2015 SECTION I (CHANGED ITEM 1122 TO ITEM 506, ADDED GRASSY SWALES.		WILLIAMSON		316	

A. GENERAL SITE DATA

1. PROJECT LIMITS: From CR 254 to Ronald Reagan Blvd.

Begin Project Coordinates : Latitude (N): 30.7603939° *Longitude (W):* -097.8567168°

2. PROJECT SITE MAPS:

- *Project Location Map: The Title Sheet*
- *Drainage Patterns: Drainage Area Maps SHEETS 181 - 182*
- *Slopes Anticipated After Major Gradings or Areas of Soil Disturbance: Typical Sections SHEETS 8 - 9*
- *Location of Erosion and Sediment Controls: SW3P Site Maps SHEETS 316 - 325*
- *Surface Waters and Discharge Locations: Drainage and Culvert Layouts SHEETS 163 - 265*
- *Project Specific Location(s) (PSL): To be determined by the project Construction Personnel. Location(s) shown on SW3P Site Map (if PSL location(s) is within one mile of project) and information located in project SW3P Binder (Reference Item #10 below).*

3. PROJECT DESCRIPTION:

For the construction of a 2-lane roadway including earthwork, grading, drainage and structures, base course, asphaltic concrete pavement and pavement markings.

4. MAJOR SOIL DISTURBING ACTIVITIES:

roadway and open channel grading and pavement removal, excavation for cross culverts.

5. EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:

Upper Glen Rose Limestone formation, consisting of poorly bedded, plastic clay, sand, and limestone. Vegitation consist of native grasses with aproximatly 90% coverage.

6. TOTAL PROJECT AREA: *68.44* Acres

7. TOTAL AREA TO BE DISTURBED: *57.1* Acres (*83.5 %*)

8. WEIGHTED RUNOFF COEFFICIENT

BEFORE CONSTRUCTION: *0.38*
AFTER CONSTRUCTION: *0.43*

9. NAME OF RECEIVING WATERS:

North Fork San Gabriel River
Segment 1214

10. PROJECT SW3P Binder:

A. For projects disturbing one to five acres, The Contractor will maintain a SW3P Binder at the project field office (If there is not a project field office, should be kept on the Job Site at all times) which contains the following: Index Sheet, TCEQ Signature Authority, TCEQ Small Construction Site Notice, Contractor Certification of Compliance, SW3P Inspector Qualification Statements, Inspection and Maintenance Reports (Form 2118), SW3P Sheet, Site Location Maps, Stored Material Lists specifying associated control measures and the Appendix which contains the TPDES Construction General Permit, MS4 Operator Notification(s) and the Construction PSL Permits per all applicable requirements.

B. For projects disturbing 5 acres or more, the Contractor will follow the actions listed in (10.A.) above with the addition of the following: Notice Of Intent (N.O.I.) and Fee Payment Form, TCEQ Large Construction Site Notice (to be used instead of Small Site Notice), and TPDES Permit Coverage Notice.

C. For projects disturbing less than one acre, actions described in (10.A.) and (10.B.) above are not required. Acreage is calculated by adding Total Area To Be Disturbed Acres on project (See #7 above) and the PSL(s) acreage located within one mile of project.

B. EROSION AND SEDIMENT CONTROLS

1. SOIL STABILIZATION PRACTICES: (Select T = Temporary or P = Permanent, as applicable)

____ TEMPORARY SEEDING
____ MULCHING (Hay or Straw)
____ BUFFER ZONES
____ PLANTING
_P_ SEEDING
____ SODDING
____ PRESERVATION OF NATURAL RESOURCES
____ FLEXIBLE CHANNEL LINER
____ RIGID CHANNEL LINER
_P_ SOIL RETENTION BLANKET
____ COMPOST MANUFACTURED TOPSOIL
____ VERTICAL TRACKING
____ OTHER: *Disturbed areas on which construction activity has ceased, either temporarily or permanently, shall be stabilized within 14 days unless activities are scheduled to resume and do so within 21 days.*

2. STRUCTURAL PRACTICES:
(T = Temporary or P = Permanent)

_T_ SILT FENCES
____ EROSION CONTROL LOGS
____ EROSION CONTROL COMPOST BERMS (Low Velocity)
_T_ ROCK FILTER DAMS
____ DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
____ DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
____ DIVERSION DIKE AND SWALE COMBINATIONS
____ PIPE SLOPE DRAINS
____ PAVED FLUMES
_T_ ROCK BEDDING AT CONSTRUCTION EXIT
____ TIMBER MATTING AT CONSTRUCTION EXIT
_P_ CHANNEL LINERS
____ SEDIMENT TRAPS
____ SEDIMENT BASINS
____ STORM INLET SEDIMENT TRAP
____ STONE OUTLET STRUCTURES
_P_ CURBS AND GUTTERS
____ STORM SEWERS
_P_ VELOCITY CONTROL DEVICES
____ OTHER:

NOTE: TOP OF BMP'S SHOULD NOT BE HIGHER THAN ROADWAY ELEVATION AS NOT TO FLOOD ROADWAY UNLESS PRIOR APPROVAL FROM ENGINEER IS OBTAINED.

3. STORM WATER MANAGEMENT:

A. Storm water drainage will be provided by ditches, and storm water systems which carry drainage within the R.O.W. to the lows within the roadway and project site which drains to natural facilities.

B. Non paved areas and ditches shall be stabilized with a permanent vegetative cover.

C. Other permanent erosion controls include hydraulic design to limit structure outlet velocities and grading design generally consisting of 4 :1 or flatter slopes with permanent vegetative cover.

4. STORM WATER MANAGEMENT ACTIVITIES: (Sequence of Construction)

IT IS THE INTENT OF THE PROJECT'S SEQUENCE OF CONSTRUCTION TO PHASE THE WORK IN A MANNER THAT MINIMIZES THE RISK OF CONCENTRATED DRAINAGE FLOWS OVER ROADWAY SEGMENTS OPEN TO TRAFFIC. AS SUCH, CONSTRUCTION OF SPECIFIC CULVERTS, ROADWAY SEGMENTS AND DETOUR TRANSITIONS ARE ISOLATED ONTO SPECIFIC PHASES OR STEPS SO CONSTRUCTION EFFORTS CAN BE FOCUSED ON THE SPECIFIC TASK AND COMPLETED IN THE SHORTEST TIME POSSIBLE. REQUESTS, TO THE OBSERVER, TO AMEND THE SEQUENCE OF CONSTRUCTION BY THE CONTRACTOR WILL BE EVALUATED ON THIS BASIS.

5. NON-STORM WATER DISCHARGES:

Filter non-storm water discharges, or hold in retention basins, before being allowed to mix with storm water. These discharges consist of, but not limited to, non-polluted ground water, spring water, foundation or footing drain water, water used for dust control or pavement washing and vehicle washwater containing no detergents.

C. OTHER REQUIREMENTS & PRACTICES

1. MAINTENANCE:

Maintain all erosion and sediment controls in good working order. Perform any necessary cleaning/repairs/replacements at the earliest possible date prior to next rain event, but no later than 7 calendar days. Ensure the surrounding ground has dried sufficiently to prevent damage from equipment. "Too Wet" is the only reason for not adhering to time frames described. When construction activities permanently or temporarily cease and are not expected to resume for 14 or more days on a disturbed portion of the site, stabilization measures must be initiated immediately.

2. INSPECTION:

A Construction Observer will perform a regularly scheduled SW3P inspection every 7 calendar days. An Inspection and Maintenance Report, signed by the Construction Observer and the Contractor, will be filed for each inspection. Revise/clean/repair/replace each BMP control device in accordance with the current Field Inspection and Maintenance Report (Form 2118) and Item 1 (Maintenance) above.

3. WASTE MATERIALS:

On a daily basis, or as may be directed, collect all waste materials, trash and debris from the construction site and deposit into a metal dumpster having a secure cover and which meets all state and local city solid waste management requirements. Empty the dumpster as required by regulation, or as may be directed, at a local approved landfill site. Do not bury construction waste on the construction project site.

4. HAZARDOUS WASTE & SPILL REPORTING:

As a minimum, any products in the following categories are considered to be hazardous: Paints, Acids, Solvents, Fuels, Asphalt Products, Chemical Additives for Soil Stabilization, and Concrete Curing Compounds or Additives. When storing hazardous material on the project site, or at a Project Specific Location, take all practicable precaution to prevent and/or contain any spillage of these materials. In the event of a spill, contact the spill coordinator immediately.

5. SANITARY WASTE:

Use a licensed sanitary waste management contractor to collect all sanitary waste from portable units as may be required by local regulation, or as directed.

6. CONSTRUCTION VEHICLE TRACKING:

On a regular basis, or as may be directed, dampen haul roads for dust control and stabilize construction entrances/exits. Provide for a motorized broom or vacuum type sweeper to be available on a daily basis, or as may be directed, to remove sediment from paved roadways abutting or traversing the project site.

7. MANAGEMENT PRACTICES:

A. Construct disposal areas, stockpiles, haul roads and PSL's in a manner that will minimize and control the amount of sediment that may enter receiving waters. Do not locate disposal areas in any wetland, waterbody or streambed.

B. Locate construction staging areas, vehicle maintenance and PSL's areas in a manner to minimize the runoff of pollutants.

C. When working in or near a wetland, install and maintain operating soil erosion and sediment controls at all times during construction and isolate the work from the wetland.

D. Clear all waterways as soon as practicable of temporary embankment, temporary bridges, matting, falsework, piling, debris or other obstructions placed during construction operations that are not a part of the finished work.

E. Procedures and/or practices should be taken to control dust.

F. Sediment to be removed from roadways daily or when work begins after weather events if construction activities have ceased due to weather event.

G. The Contractor will be required to contain wash water from concrete trucks in a manner that will prevent same from entering any waterway.

H. The Contractor is responsible for insuring that all Subcontractors are aware and comply with all components of the Temporary Erosion Control Plans.

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/6/2024

Seiler Lankes Group TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

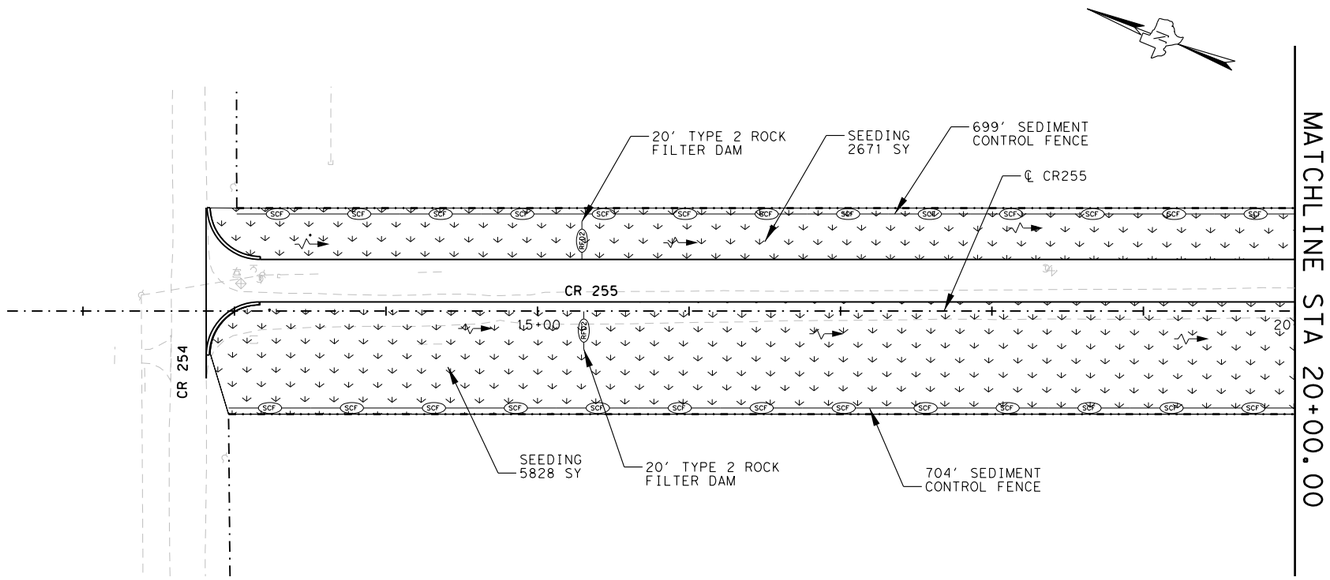
WILLIAMSON COUNTY

STORM WATER POLLUTION PREVENTION PLAN (SW3P)

TEMPLATE REVISION DATE: 06/12/2015

DESIGN	FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS	6			CR 255
	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS		WILLIAMSON	317
CHECK	CONTROL	SECTION	JOB	

FILE NAME
DATE
DESIGNER



NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

0 50 100

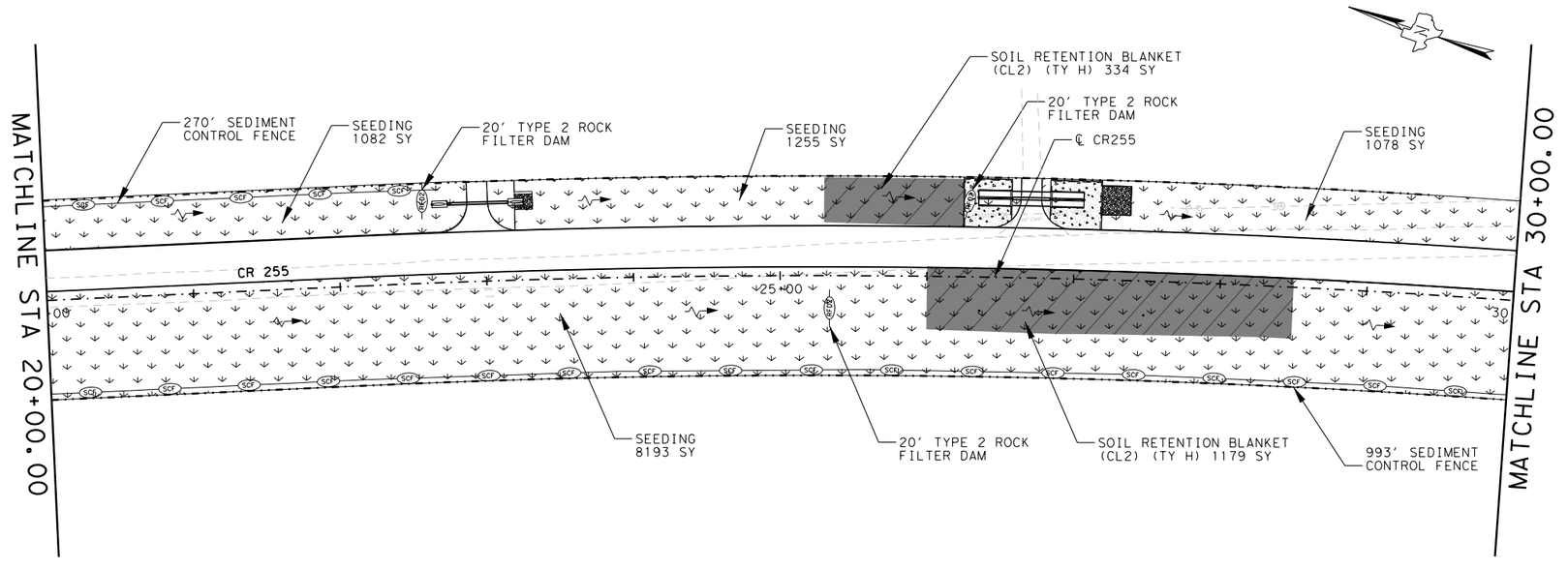
SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	20107
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	1513
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	100
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	100
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	2666
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	2666



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11/6/2024

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CR 255

SWP3

BEGIN TO STA 30+00

SHEET 1 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
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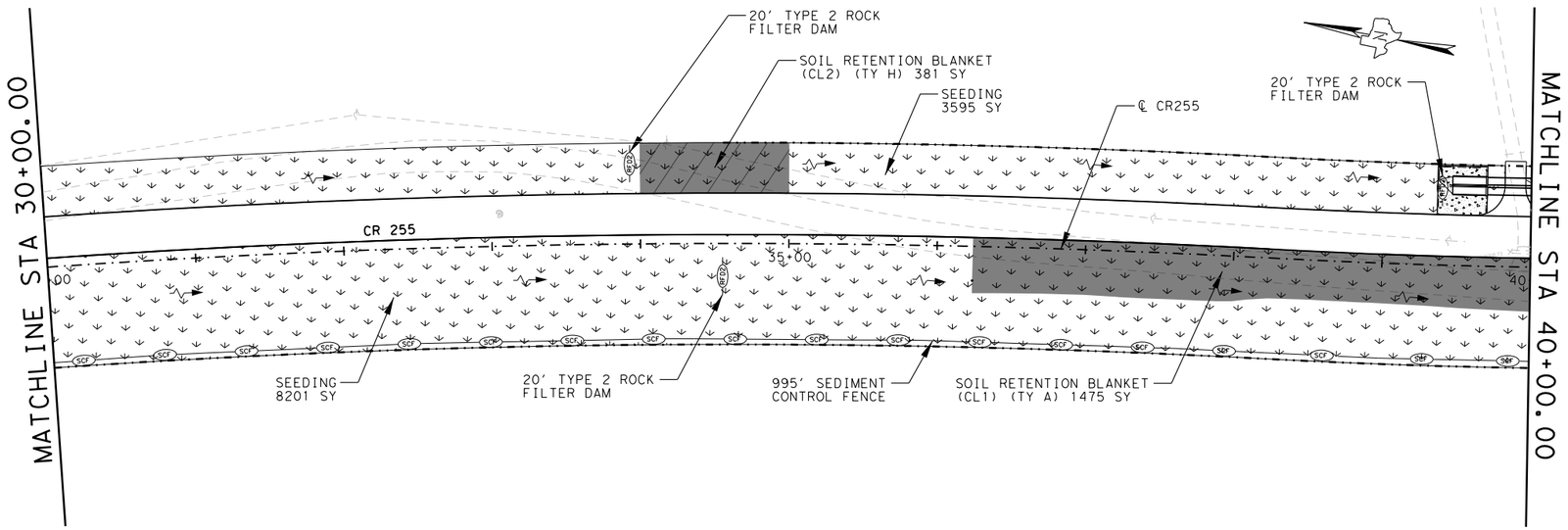

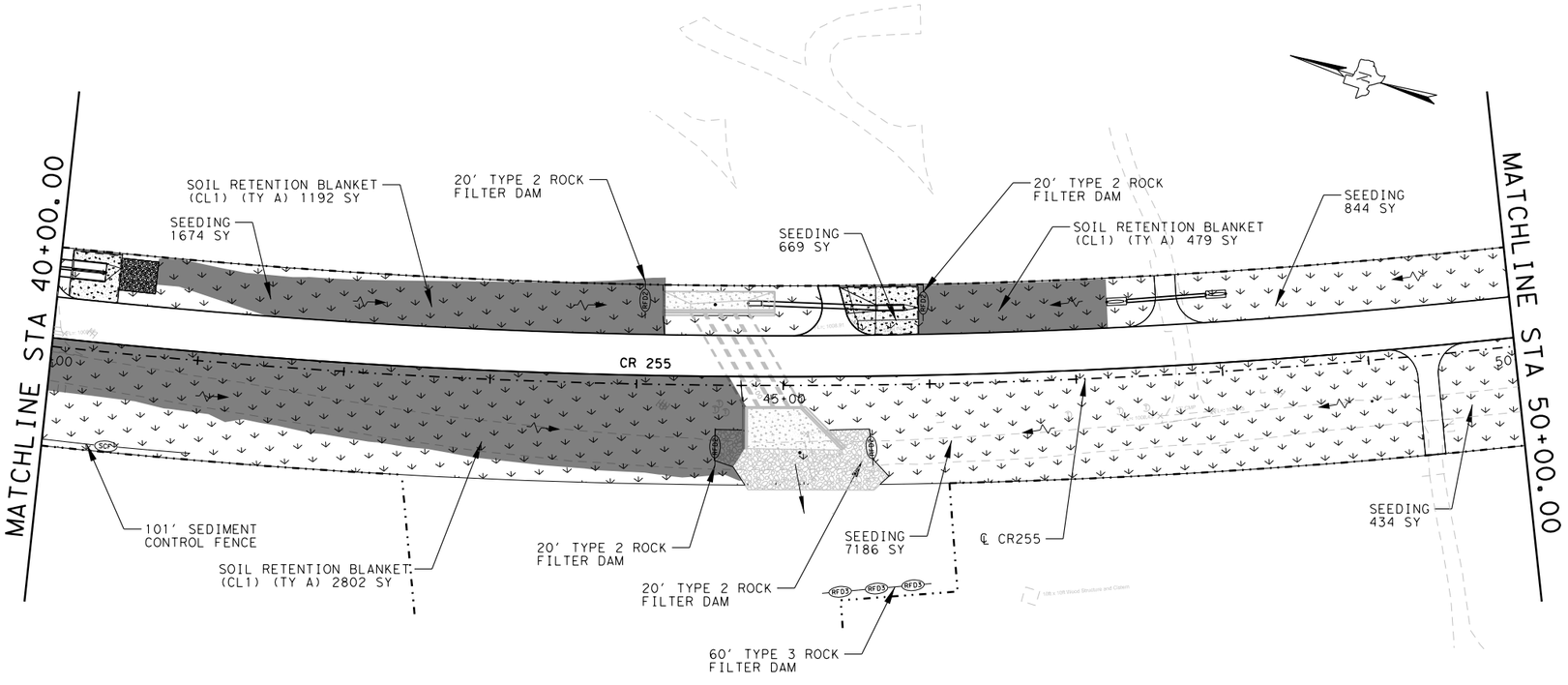

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SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	22603
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	5948
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	381
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	140
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	60
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	200
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	1096
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	1096

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CR 255

SWP3

STA 30+00 TO STA 50+00

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
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CHECKED:	WILLIAMSON			319

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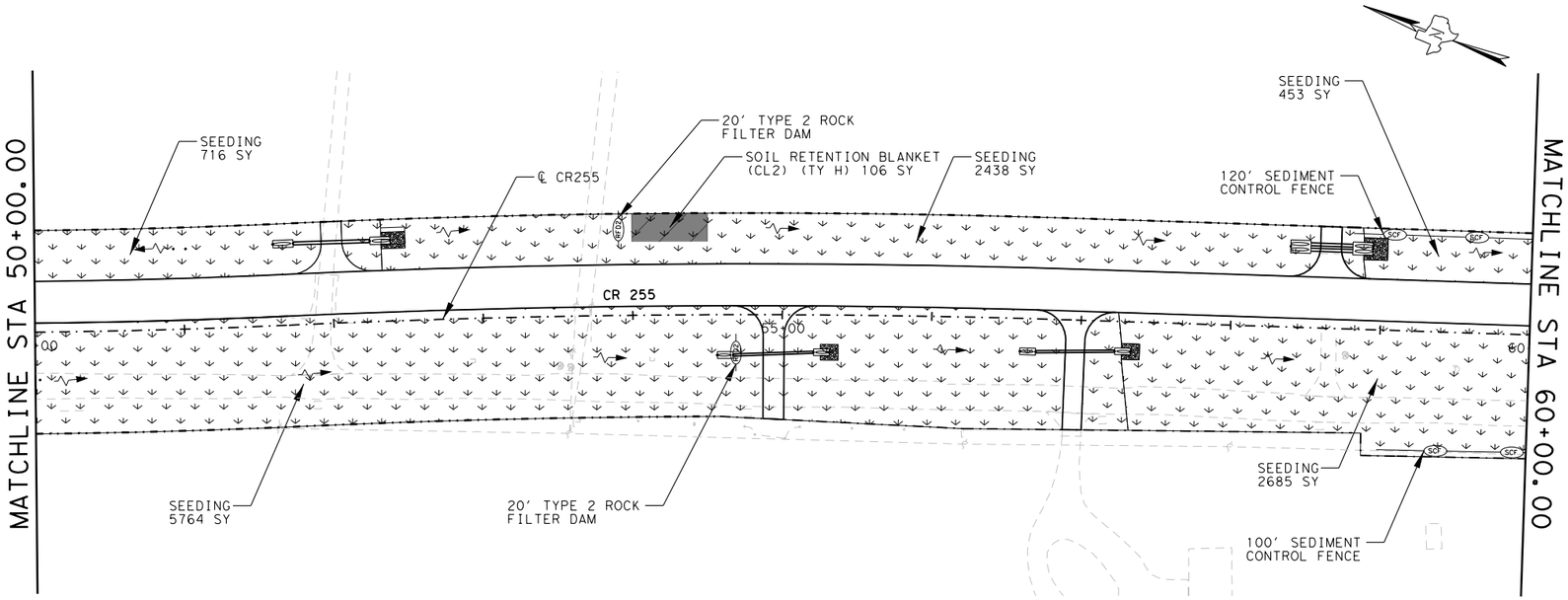


0 50 100
SCALE: 1" = 100'

LEGEND

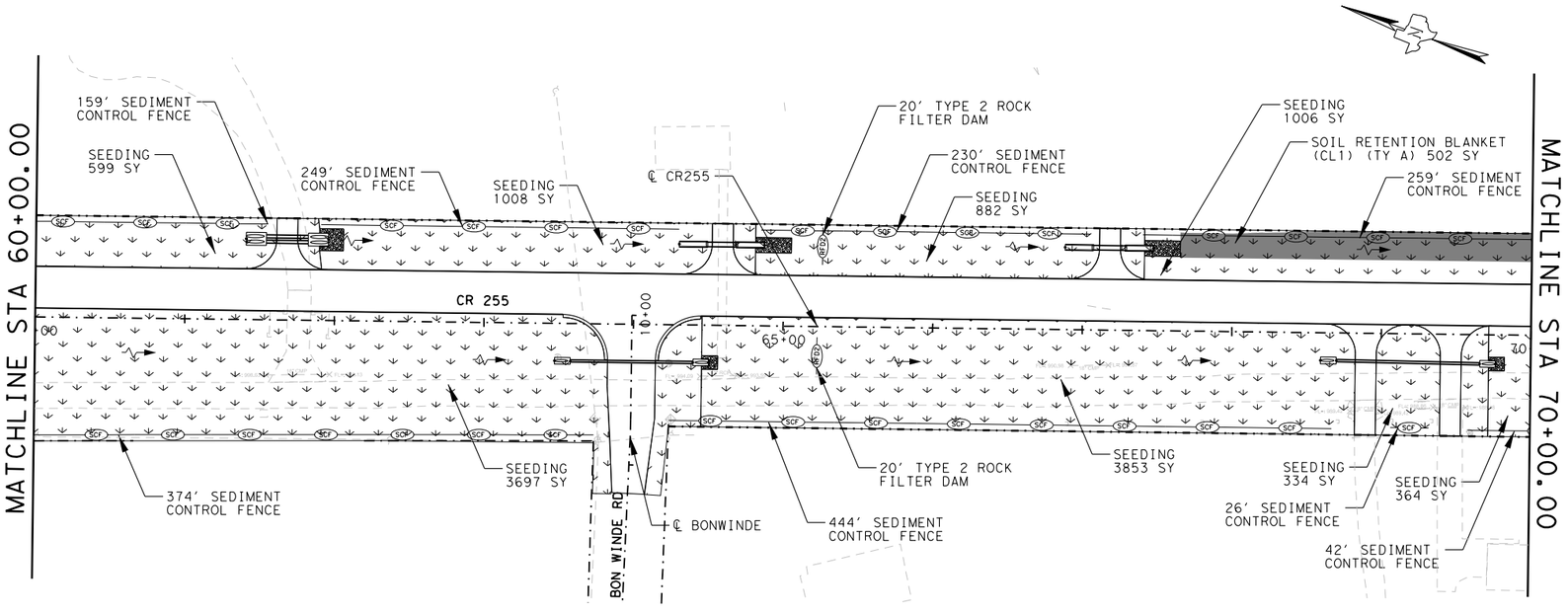
- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 ROCK FILTER DAM TY 2
- RFD-3 ROCK FILTER DAM TY 3
- SCF SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	23799
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	502
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	106
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	80
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	80
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	2003
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	2003

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.



STATE OF TEXAS
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SWP3

STA 50+00 TO STA 70+00

SHEET 3 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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DRAWN:	COUNTY			JOB No. / SHEET No.
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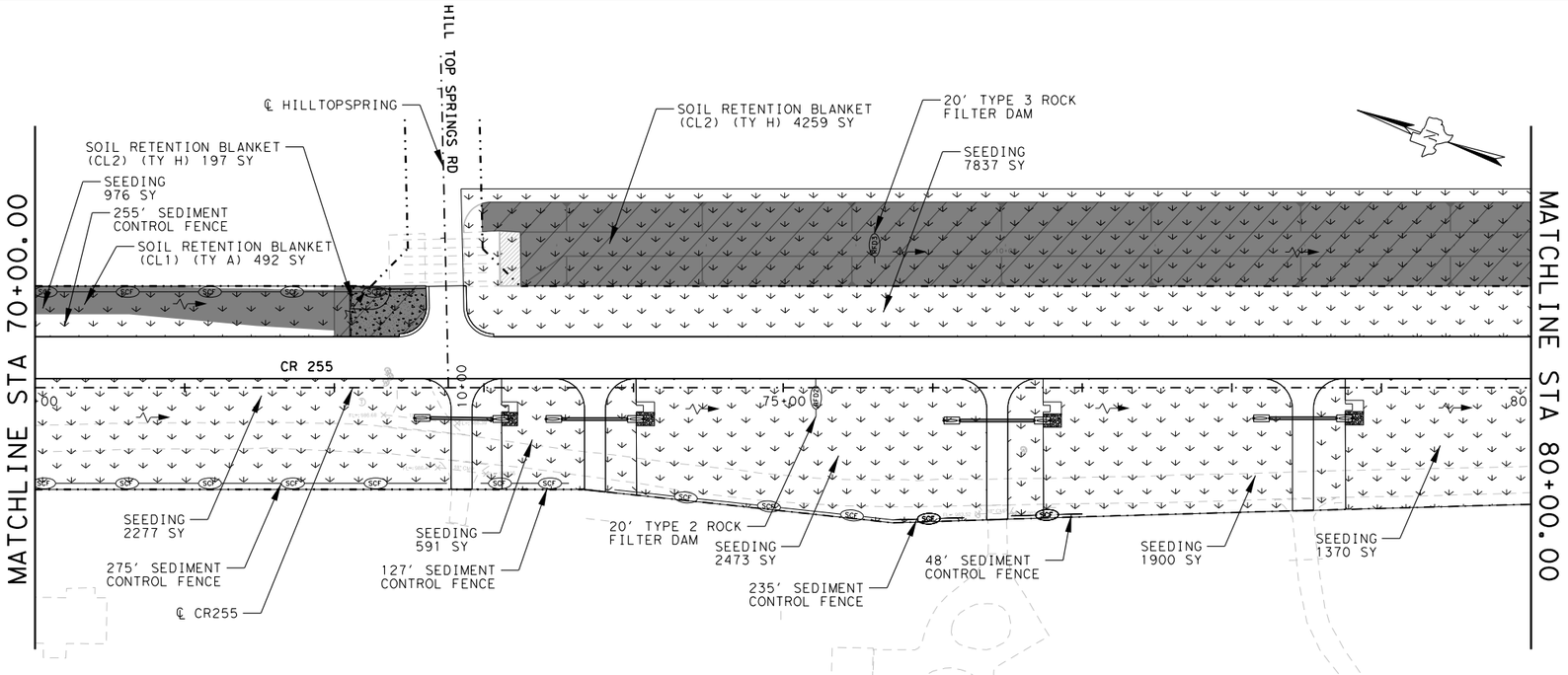


NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

0 50 100

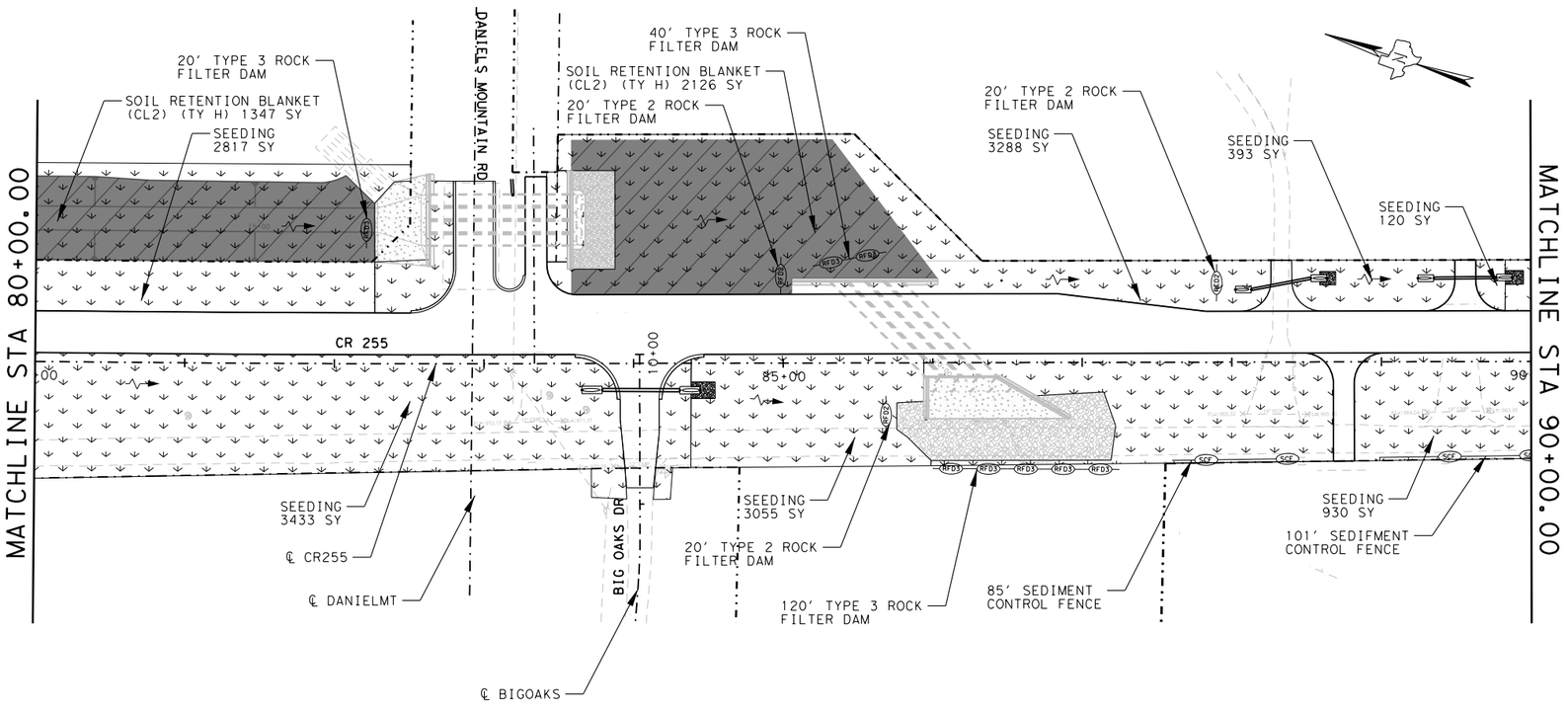
SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	31460
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	492
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	7929
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	60
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	200
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	260
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	1126
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	1126



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11/6/2024

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CR 255

SWP3

STA 70+00 TO STA 90+00

SHEET 4 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
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CHECKED:	WILLIAMSON			321

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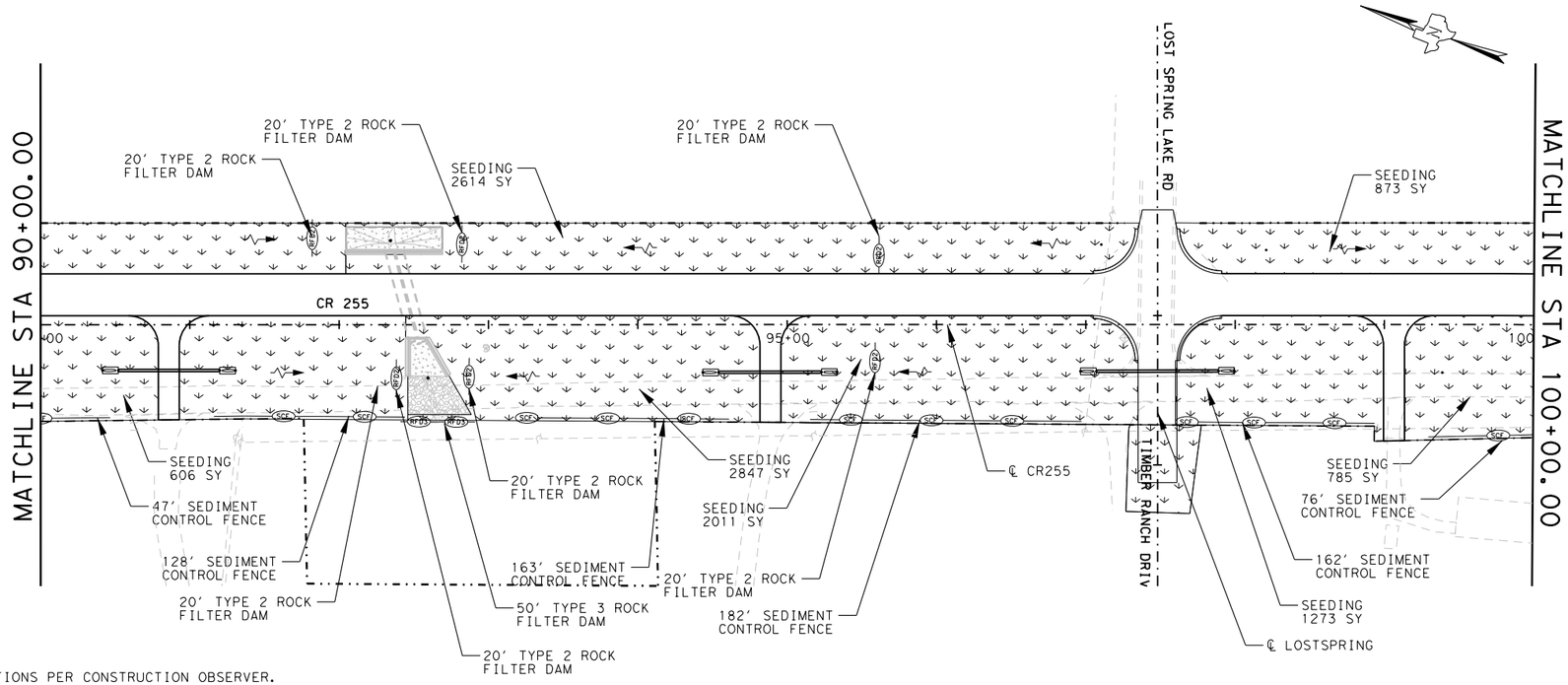

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

0 50 100

SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
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- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	22631
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	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	220
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	70
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	290
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	1761
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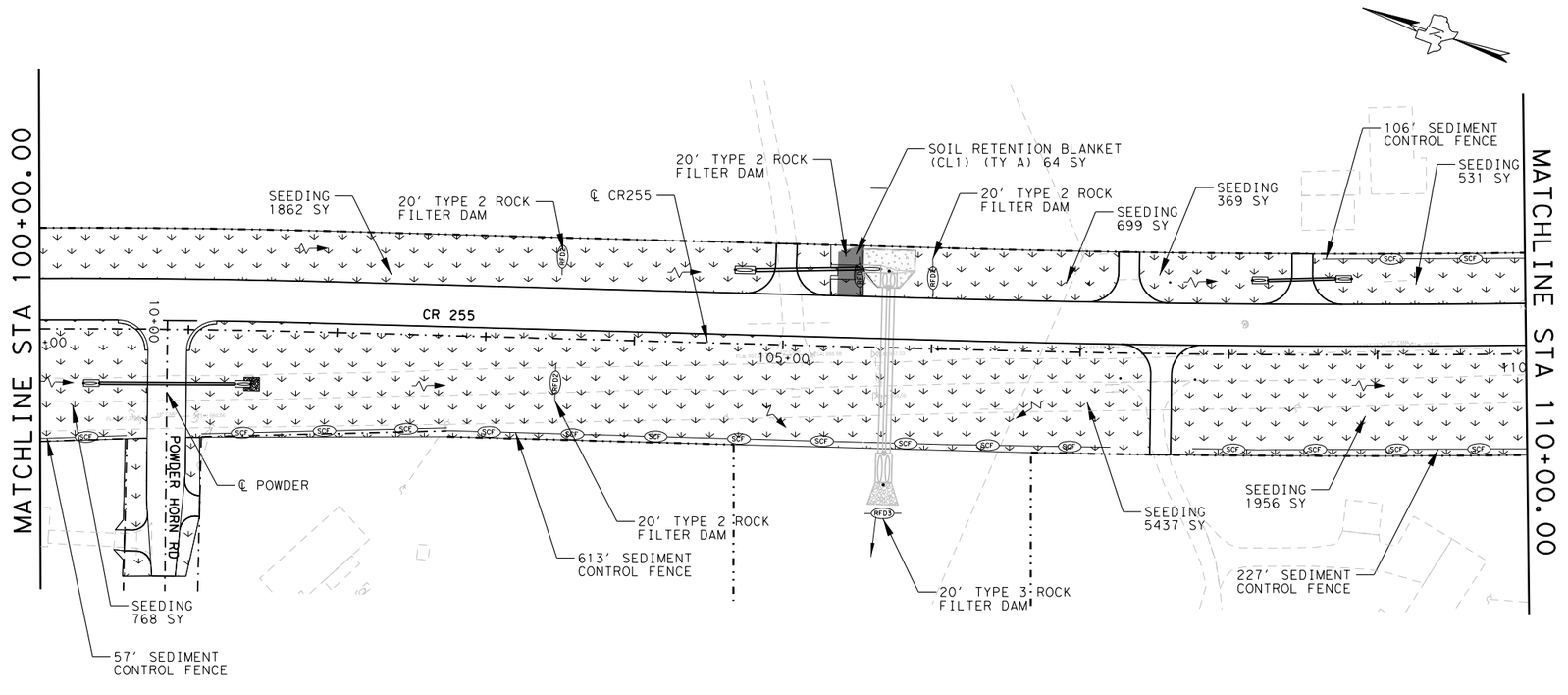

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

Seiler Lankes Group — TBPE License No. 12670

PLANNING • ENGINEERING • CONSTRUCTION

CR 255

SWP3

STA 90+00 TO STA 110+00

SHEET 5 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
CHECKED:		TEXAS		CR 255
DRAWN:	COUNTY			JOB No. / SHEET No.
CHECKED:	WILLIAMSON			322

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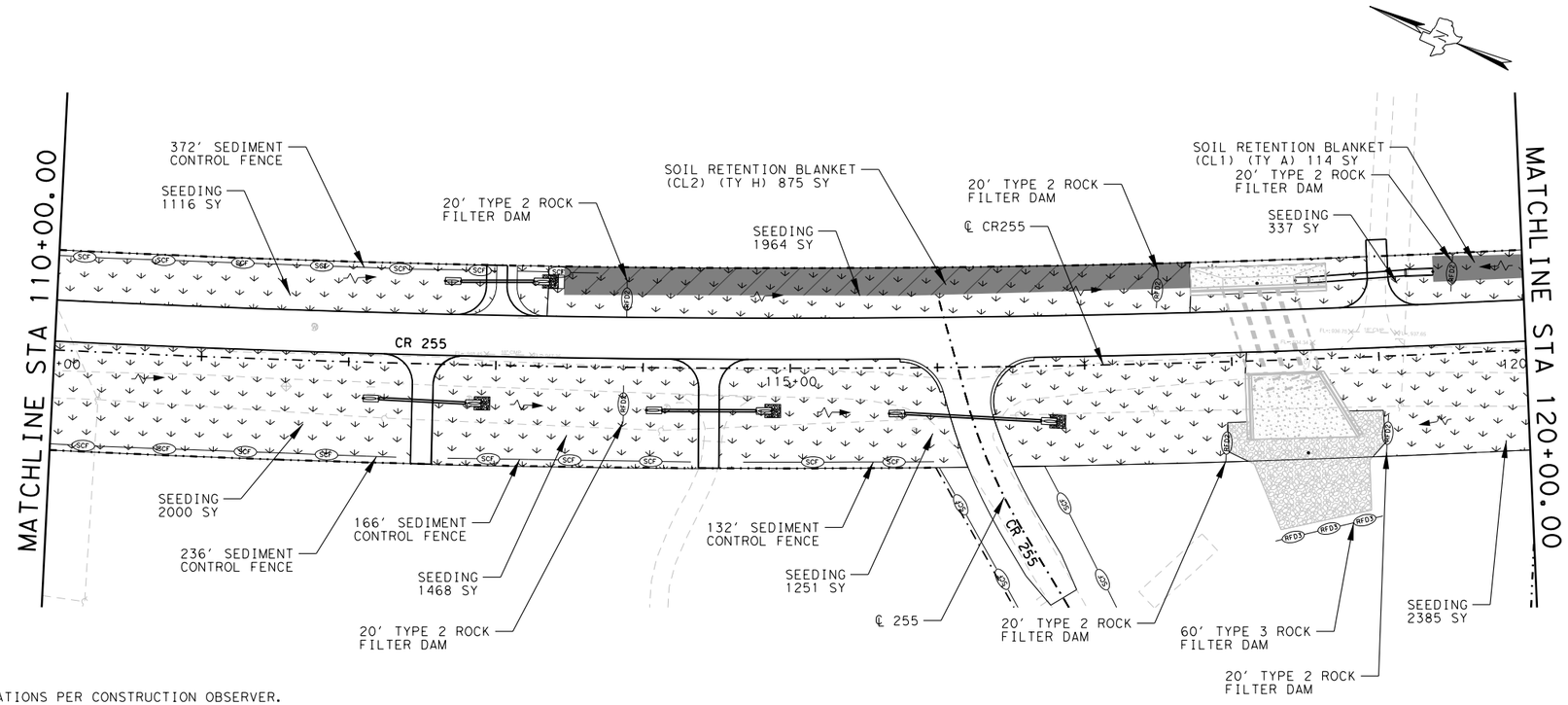
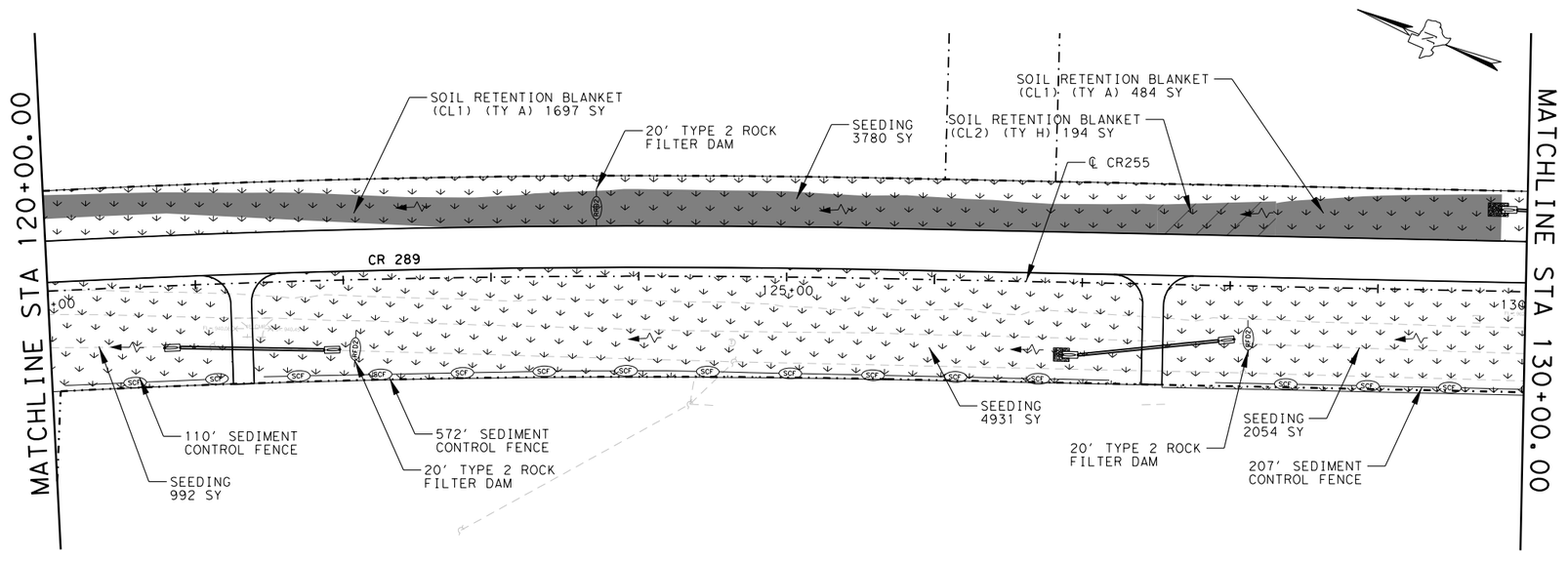


NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.



0 50 100

SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
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- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS (CL1) (TYP A)
- SOIL RETENTION BLANKETS (CL2) (TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	22278
	169-6001	SOIL RETENTION BLANKETS (CL1) (TYP A)	SY	2295
	169-6008	SOIL RETENTION BLANKETS (CL2) (TYP H)	SY	1069
RFD-2	506-6002	ROCK FILTER DAMS (INSTALL) (TY2)	LF	180
RFD-3	506-6003	ROCK FILTER DAMS (INSTALL) (TY3)	LF	60
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	240
SCF	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	1795
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	1795

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

WILLIAMSON COUNTY DEPT. OF INFRASTRUCTURE

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CR 255

SWP3

STA 110+00 TO STA 130+00

SHEET 6 OF 8

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DRAWN:	COUNTY			JOB No. / SHEET No.
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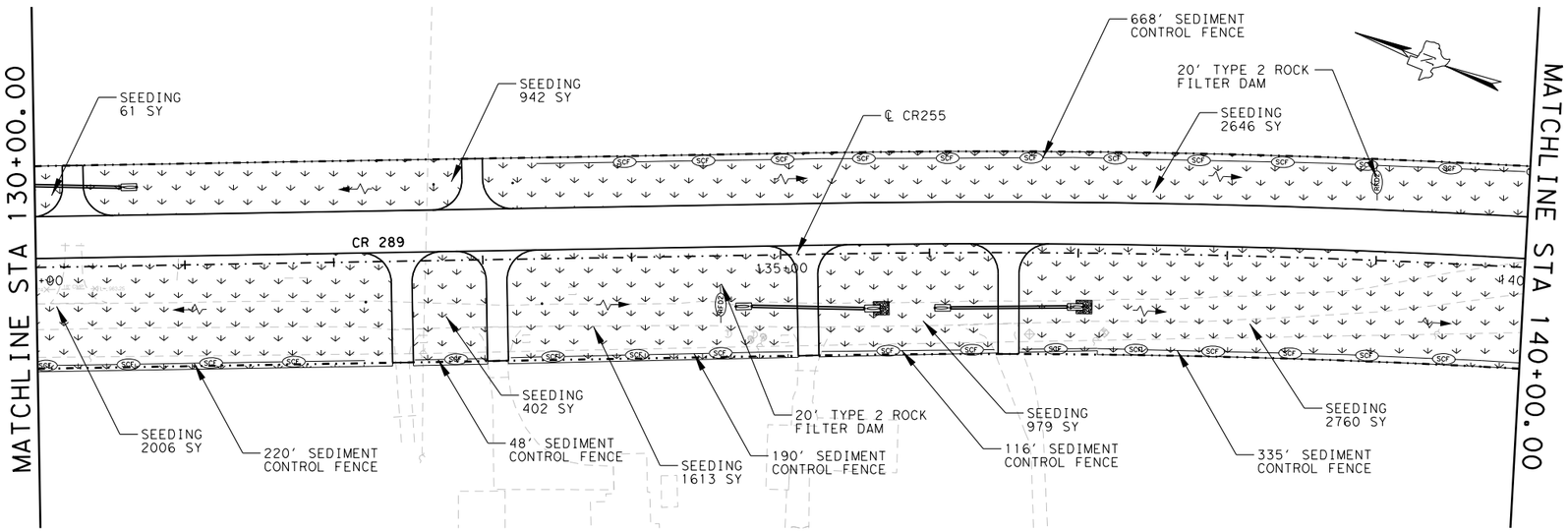


0 50 100
SCALE: 1" = 100'

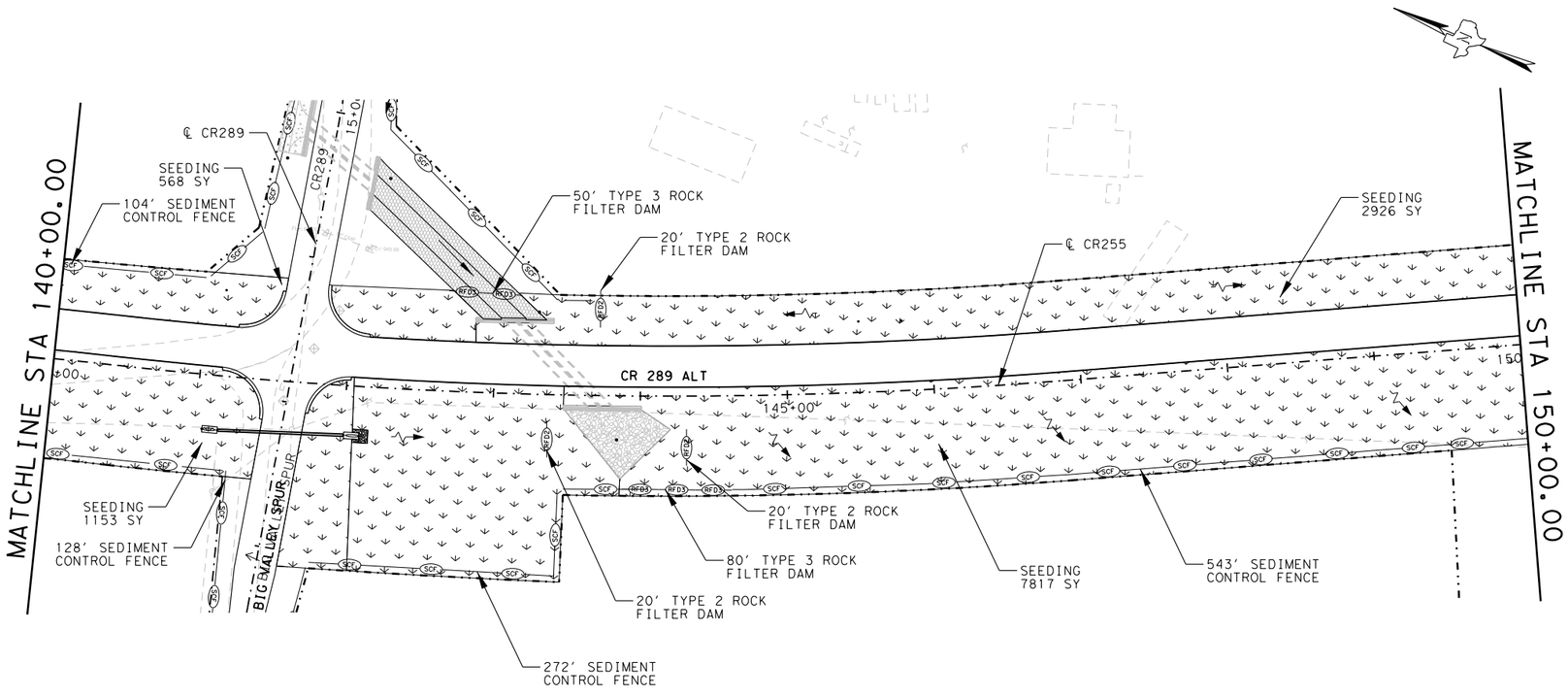
LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 ROCK FILTER DAM TY 2
- RFD-3 ROCK FILTER DAM TY 3
- SCF SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES				
SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	23873
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	100
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	130
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	230
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	2624
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	2624

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.



STATE OF TEXAS
GERALD A. LANKES
107484
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PROFESSIONAL ENGINEER
11/6/2024

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SWP3

STA 130+00 TO STA 150+00

SHEET 7 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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DRAWN:	COUNTY			JOB No. / SHEET No.
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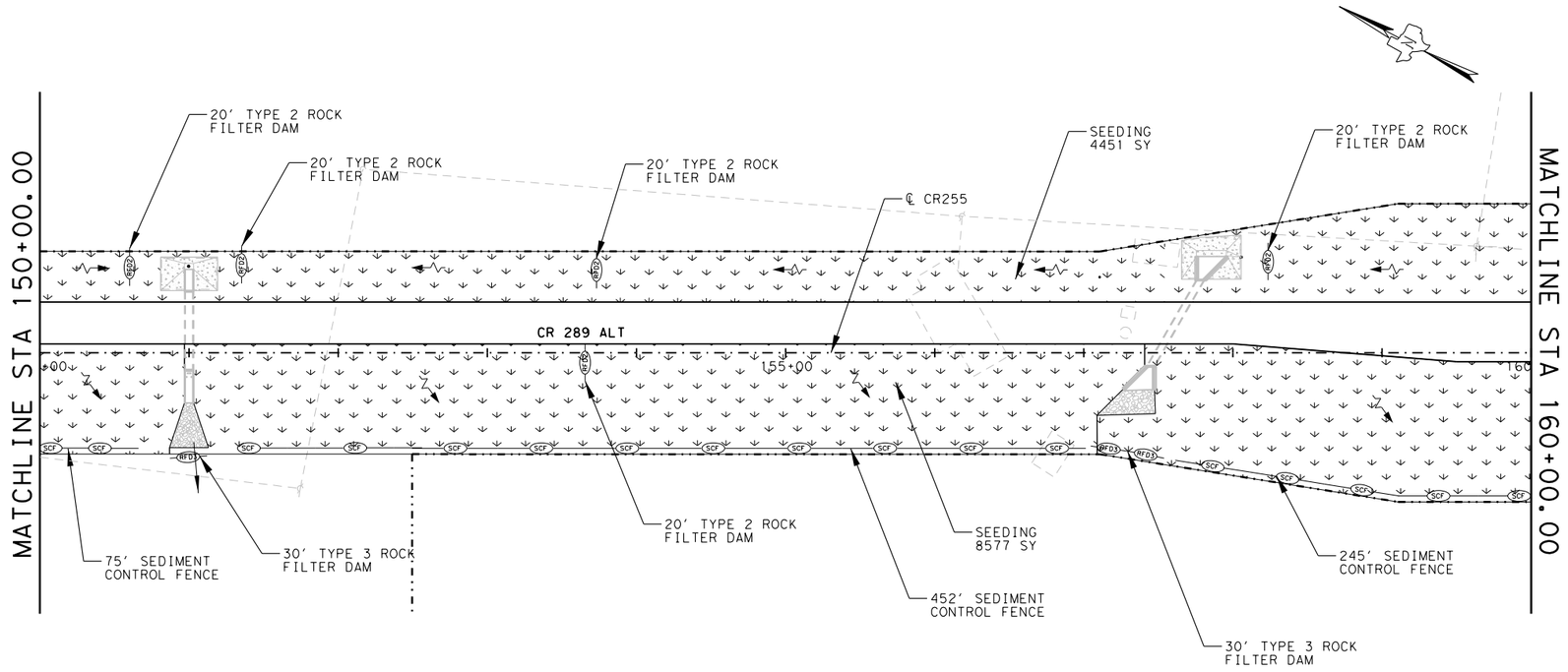

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

0 50 100

SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	20872
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	140
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	60
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	200
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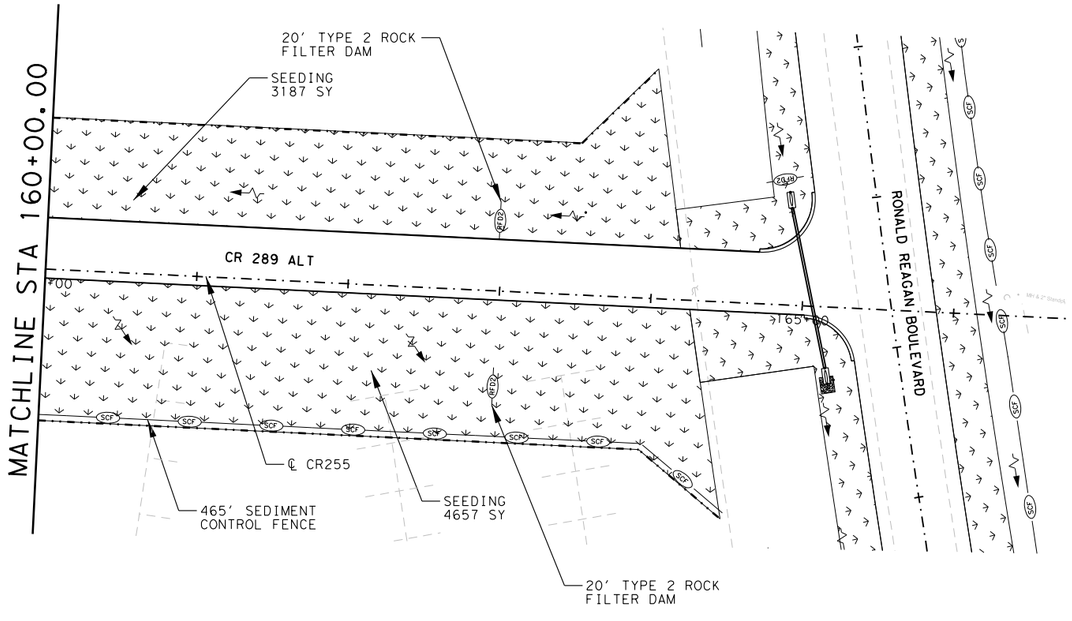
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	1237



STATE OF TEXAS
GERALD A. LANKES
107484
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11/6/2024

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SWP3

STA 150+00 TO END

SHEET 8 OF 8

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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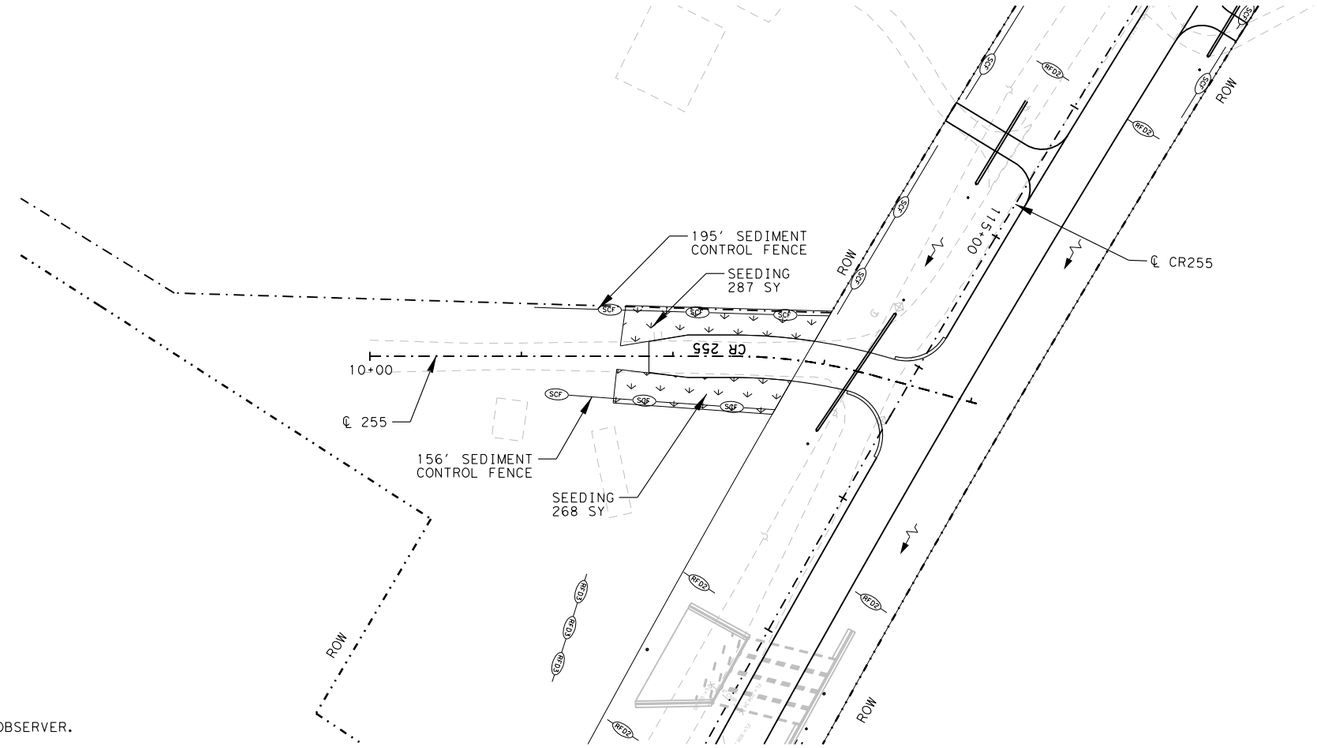

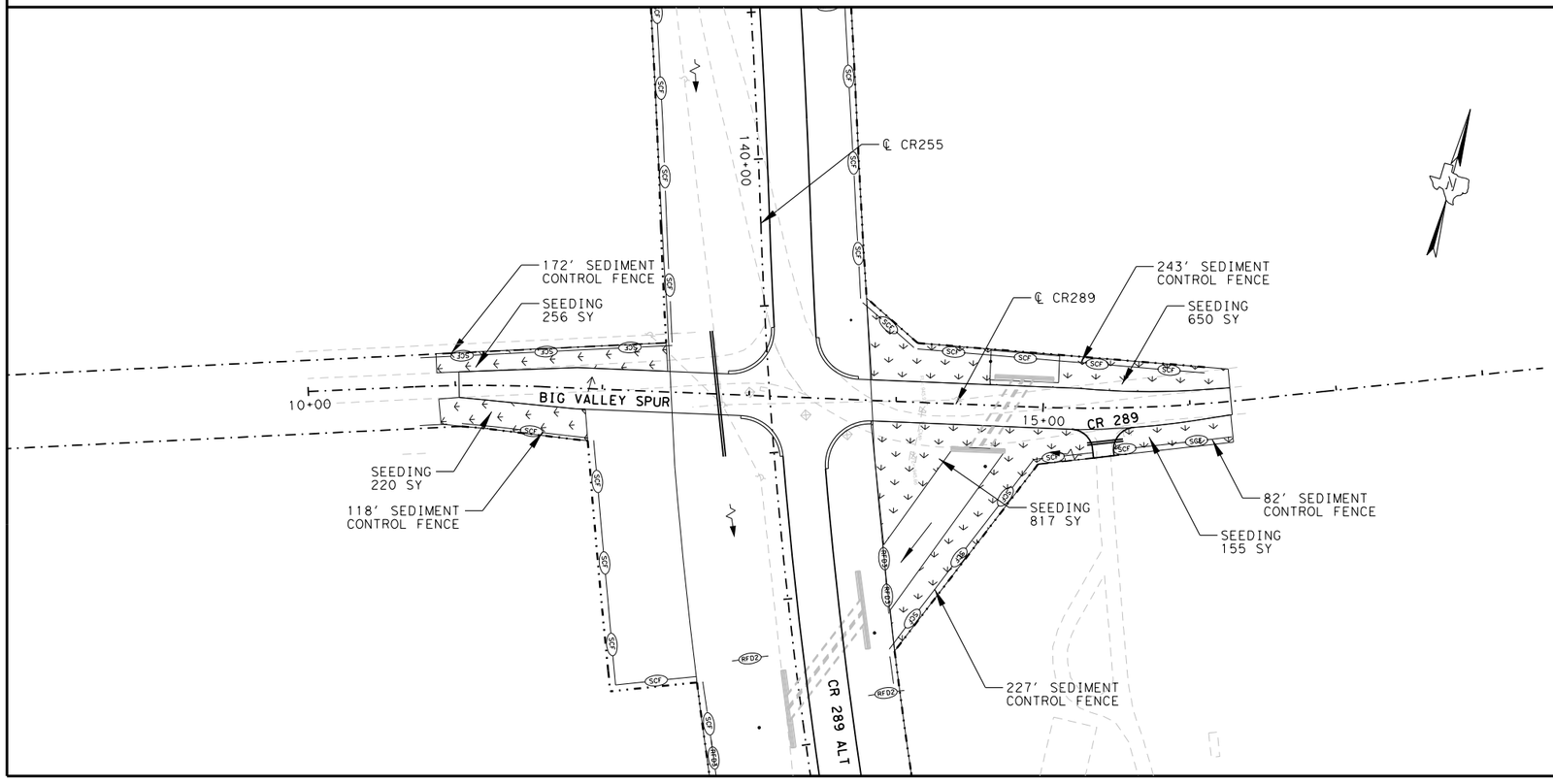

0 50 100

SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

SWP3 QUANTITIES				
SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	2653
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	
	169-6008	SOIL RETENTION BLANKETS (CL2)(TYP H)	SY	
RFD-2	506-6002	ROCK FILTER DAMS(INSTALL)(TY2)	LF	
RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	1193
	506-6039	TEMP SEDMT CONT FENCE(REMOVE)	LF	1193

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

STATE OF TEXAS
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CR 255
CR255/CR289
SWP3

SHEET 1 OF 1

DESIGNED:	FED. RD DIV. No.	STATE	FEDERAL AID PROJECT No.	HIGHWAY No.
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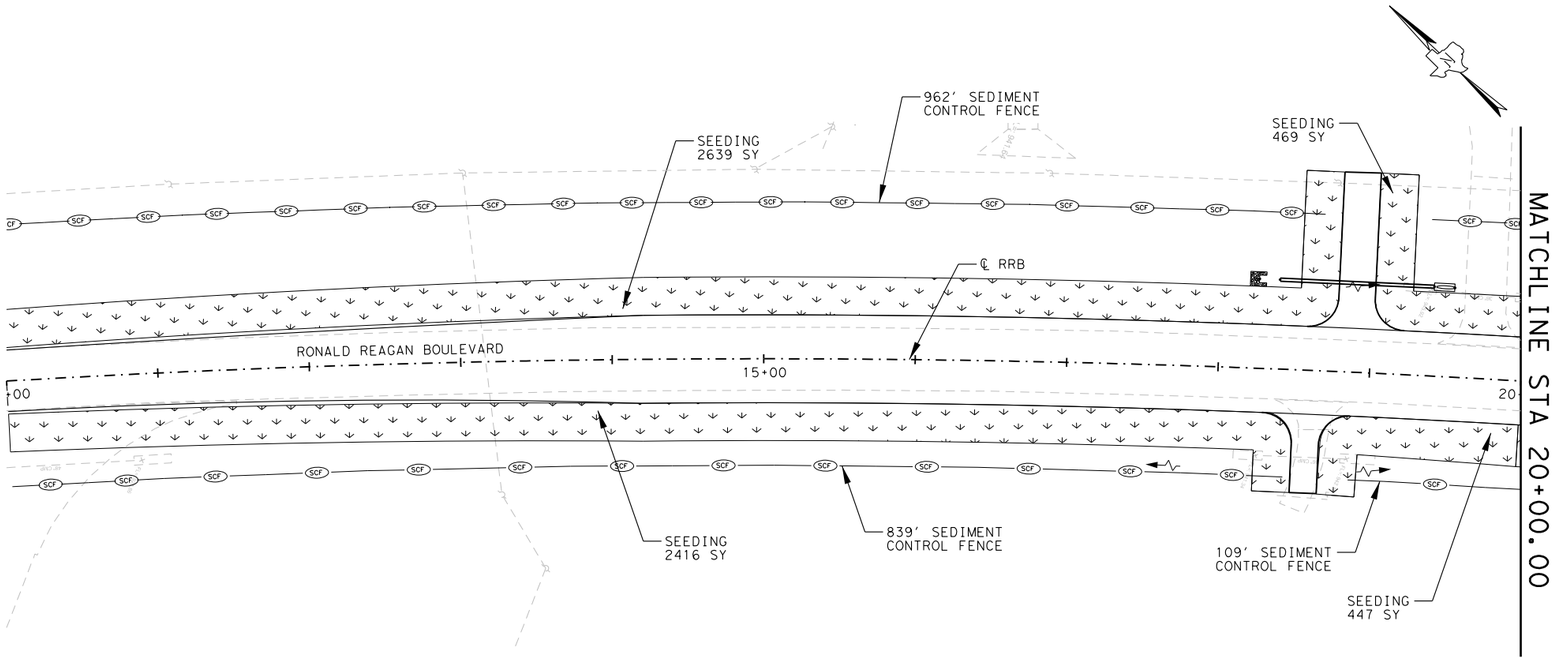

0 50 100

SCALE: 1" = 100'

LEGEND

- OUTFALL DIRECTION
- FLOW DIRECTION
- RFD-2 — ROCK FILTER DAM TY 2
- RFD-3 — ROCK FILTER DAM TY 3
- SCF — SEDIMENT CONTROL FENCE
- ROCK CONSTRUCTION EXIT
- SEEDING
- SOIL RETENTION BLANKETS(CL1)(TYP A)
- SOIL RETENTION BLANKETS(CL2)(TYP H)

NOTES:

1. LOCATIONS PER CONSTRUCTION OBSERVER.

SWP3 QUANTITIES

SYM	ITEM	DESCRIPTION	UNIT	QTY
	164-WC05	SEEDING	SY	13396
	169-6001	SOIL RETENTION BLANKETS (CL1)(TYP A)	SY	
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RFD-3	506-6003	ROCK FILTER DAMS(INSTALL)(TY3)	LF	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	20
SCF	506-6038	TEMP SEDMT CONT FENCE(INSTALL)	LF	3807
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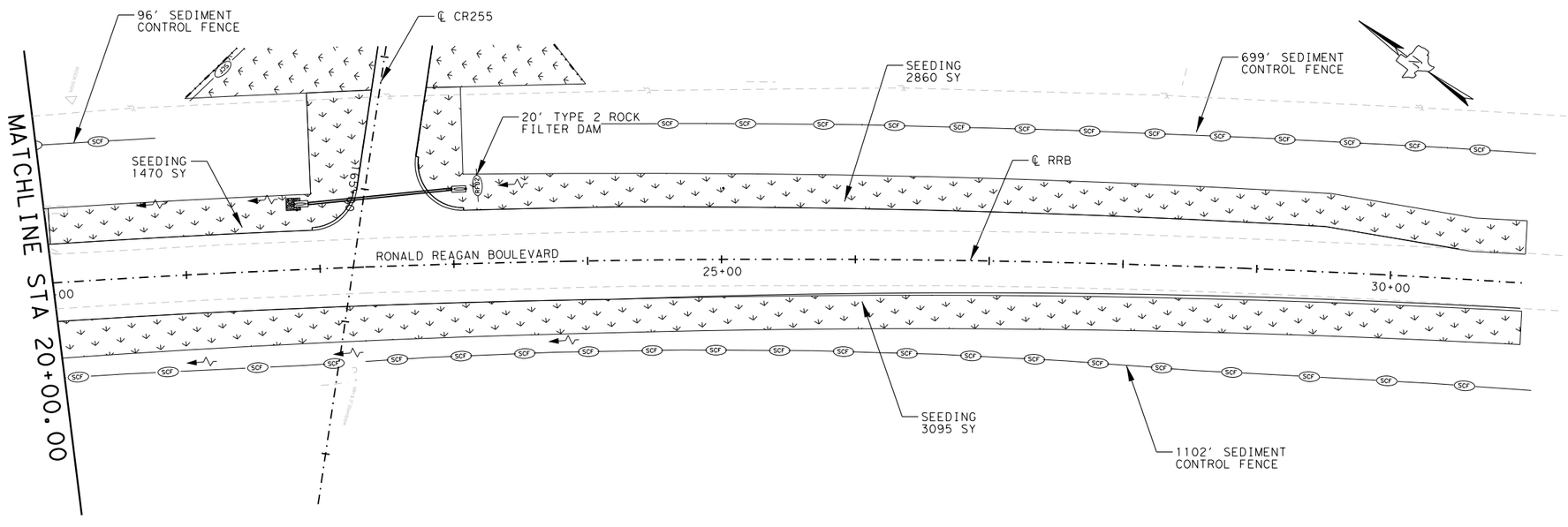

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/6/2024

WILCO TEXAS

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CR 255
RONALD REAGAN
SWP3
BEGIN TO END

SHEET 1 OF 1

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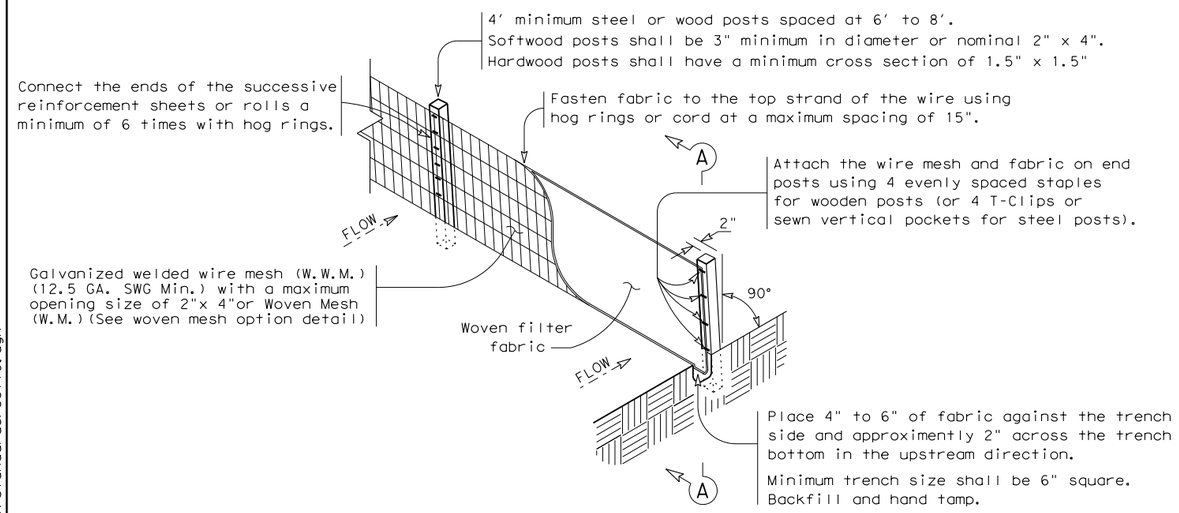
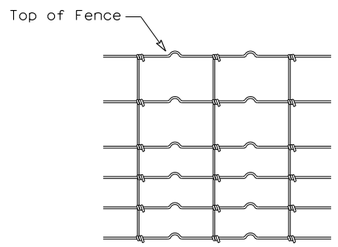
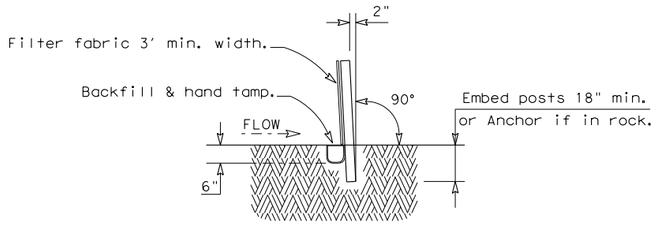


TEMPORARY SEDIMENT CONTROL FENCE

SCF





SECTION A-A

HINGE JOINT KNOT WOVEN MESH (OPTION) DETAIL

Galvanized hinge joint knot woven mesh (12.5 GA.SWG Min.) requires a minimum of five horizontal wires spaced at a maximum of 12 inches apart and all vertical wires spaced at a maximum of 12 inches apart.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a maximum flow through rate of 100 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

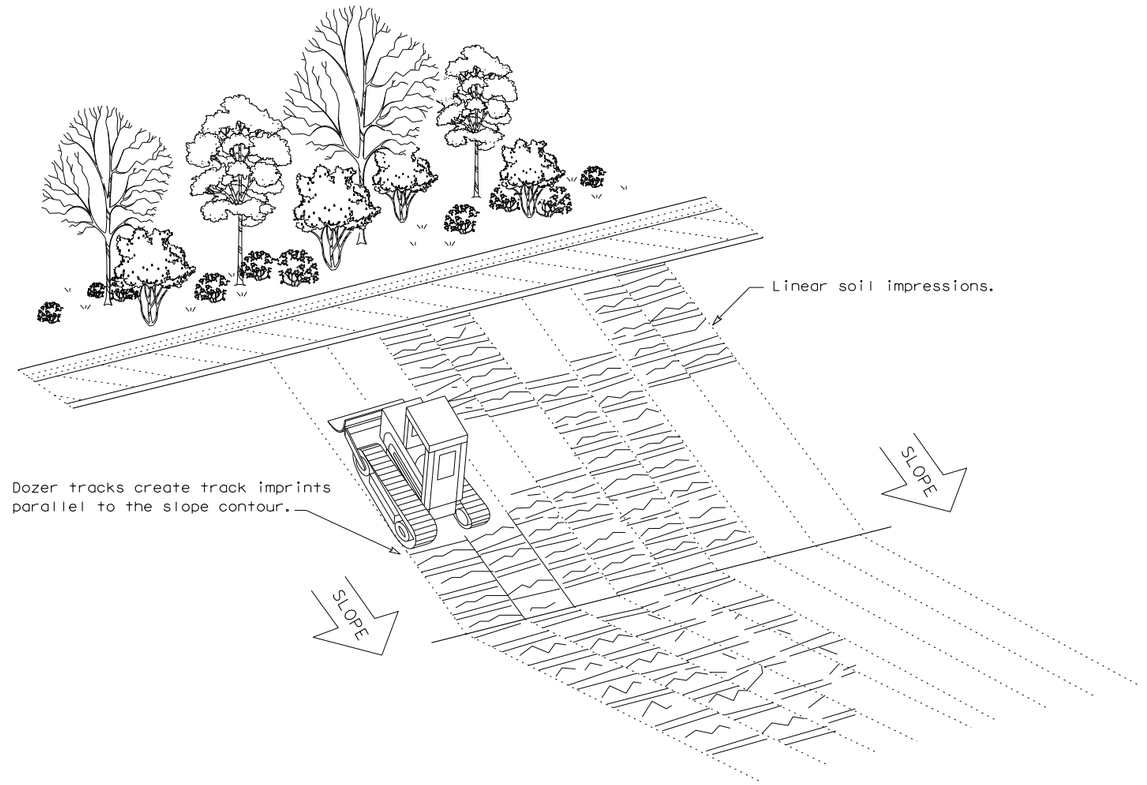
LEGEND

Sediment Control Fence

SCF

GENERAL NOTES

1. Vertical tracking is required on projects where soil distributing activities have occurred unless otherwise approved.
2. Perform vertical tracking on slopes to temporarily stabilize soil.
3. Provide equipment with a track undercarriage capable of producing linear soil impressions measuring a minimum of 12" in length by 2" to 4" in width by 1/2" to 2" in depth.
4. Do not exceed 12" between track impressions.
5. Install continous linear track impressions where the minimum 12" length impressions are perpendicular to the slope or direction of water flow.



VERTICAL TRACKING

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

FENCE & VERTICAL TRACKING

EC(1)-16

FILE: ec116	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS
© TxDOT: JULY 2016	CONT	SECT	JOB	HIGHWAY
REVISIONS				CR 255
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		328

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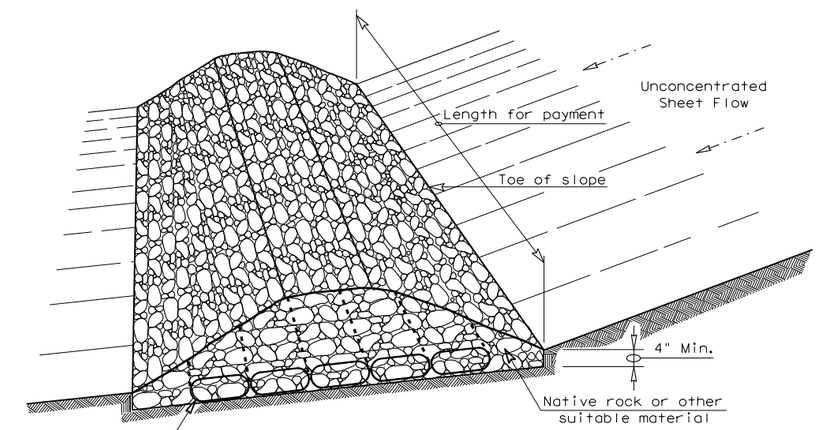
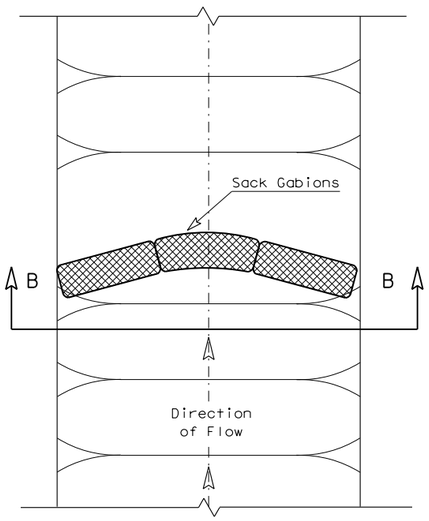
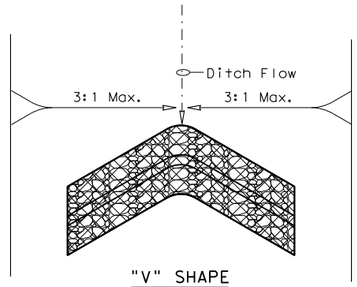


FILTER DAM AT TOE OF SLOPE

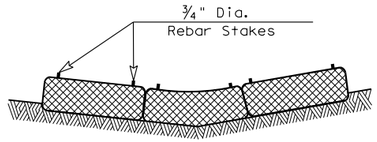
RFD1



PLAN VIEW



"V" SHAPE
PLAN VIEW



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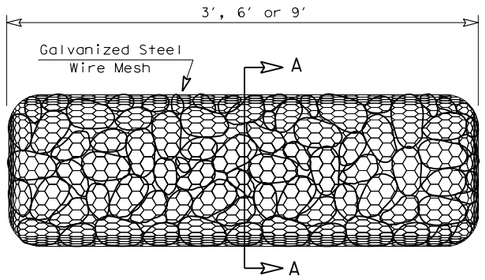
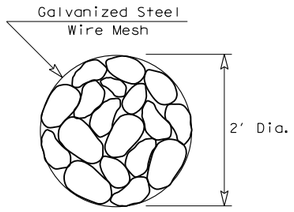
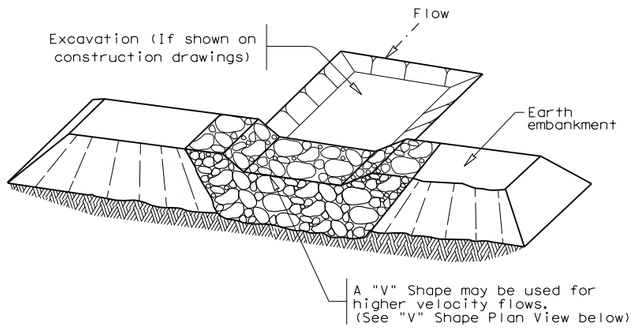


TYPE 4 (SACK GABIONS)

RFD4

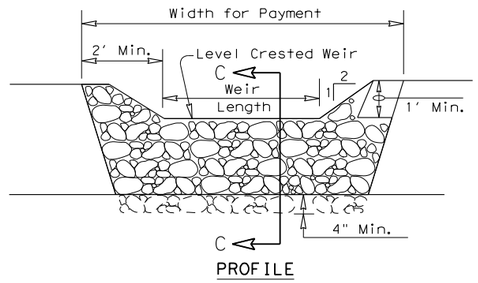


SECTION A-A



FILTER DAM AT SEDIMENT TRAP

RFD1 OR RFD2



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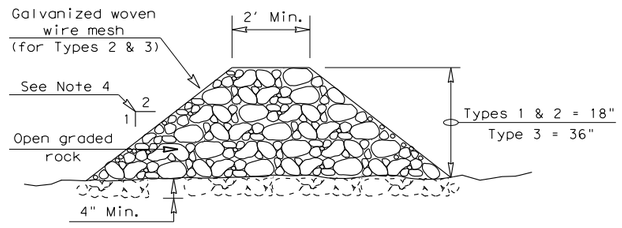


SECTION C-C

ROCK FILTER DAM USAGE GUIDELINES

Rock Filter Dams should be constructed downstream from disturbed areas to intercept sediment from overland runoff and/or concentrated flow. The dams should be sized to filter a maximum flow through rate of 60 GPM/FT^2 of cross sectional area. A 2 year storm frequency may be used to calculate the flow rate.

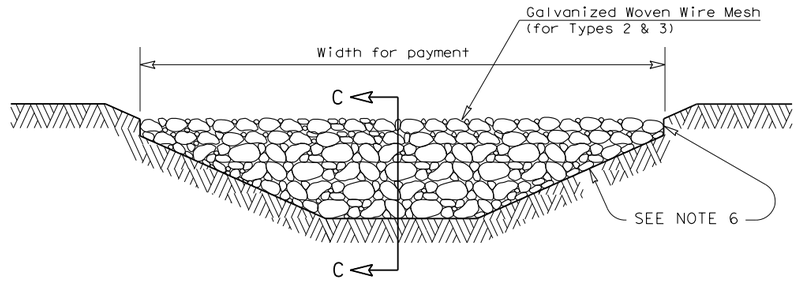
Type 1 (18" high with no wire mesh) (3" to 6" aggregate): Type 1 may be used at the toe of slopes, around inlets, in small ditches, and at dike or swale outlets. This type of dam is recommended to control erosion from a drainage area of 5 acres or less. Type 1 may not be used in concentrated high velocity flows (approximently 8 Ft/Sec or more) in which aggregate wash out may occur. Sandbags may be used at the embedded foundation (4" deep min.) for better filtering efficiency of low flows if called for on the plans or directed by the Engineer.

Type 2 (18" high with wire mesh) (3" to 6" aggregate): Type 2 may be used in ditches and at dike or swale outlets.

Type 3 (36" high with wire mesh) (4" to 8" aggregate): Type 3 may be used in stream flow and should be secured to the stream bed.

Type 4 (Sack gabions) (3" to 6" aggregate): Type 4 May be used in ditches and smaller channels to form an erosion control dam.

Type 5: Provide rock filter dams as shown on plans.



FILTER DAM AT CHANNEL SECTIONS

RFD1 OR RFD2 OR RFD3

GENERAL NOTES

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. For in stream use, the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with ¾" dia. rebar stakes, and have a double-twisted hexagonal weave with a nominal mesh opening of 2 ½" x 3 ¼"
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

Type 1 Rock Filter Dam — RFD1
Type 2 Rock Filter Dam — RFD2
Type 3 Rock Filter Dam — RFD3
Type 4 Rock Filter Dam — RFD4

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

ROCK FILTER DAMS

EC(2)-16

FILE: ec216	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS
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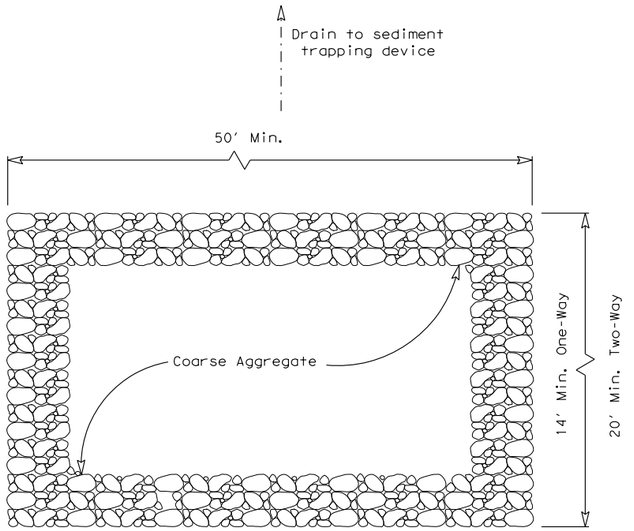
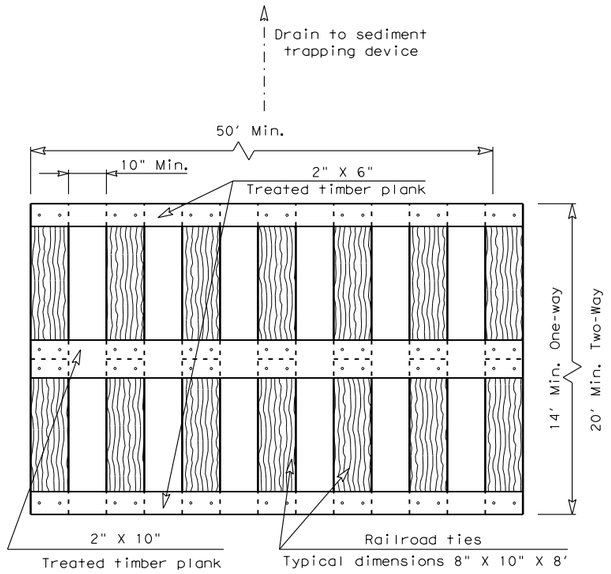


PLAN VIEW



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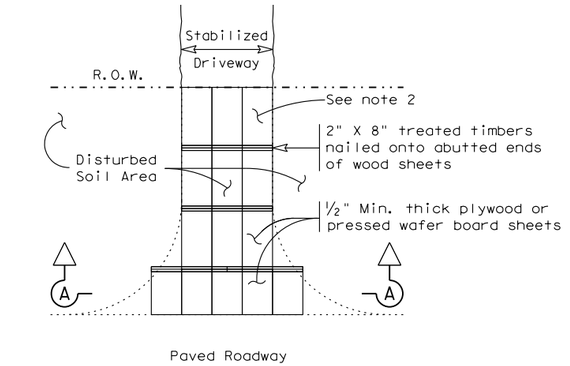
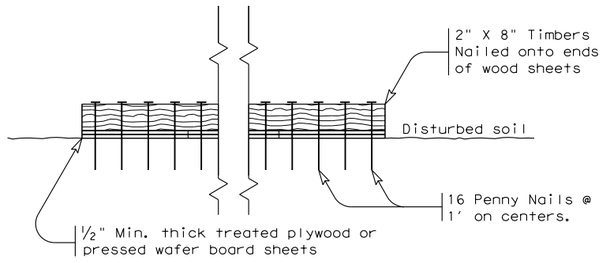


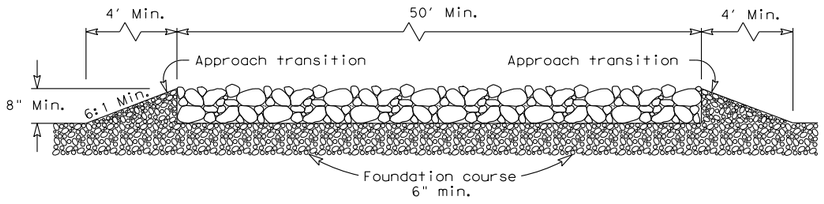
PLAN VIEW



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

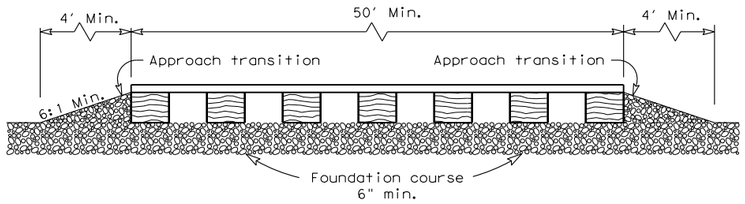
SHORT TERM



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 1)

ROCK CONSTRUCTION (LONG TERM)



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 2)

TIMBER CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 1)

1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
2. The coarse aggregate should be open graded with a size of 4" to 8".
3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
4. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other materialas approved by the Engineer.
5. The construction exit shall be graded to allow drainage to a sediment trapping device.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
7. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.

GENERAL NOTES (TYPE 2)

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
2. The treated timber planks shall be attached to the railroad ties with ½"x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
6. The construction exit should be graded to allow drainage to a sediment trapping device.
7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
8. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.

GENERAL NOTES (TYPE 3)

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

CONSTRUCTION EXITS

EC(3)-16

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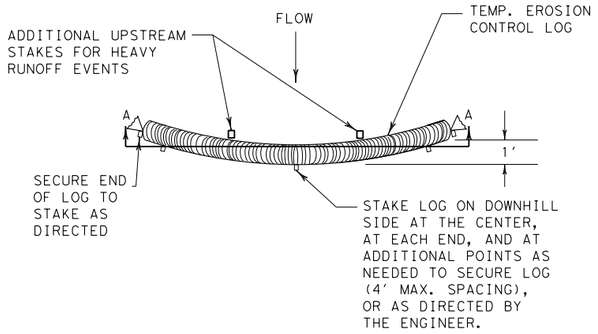
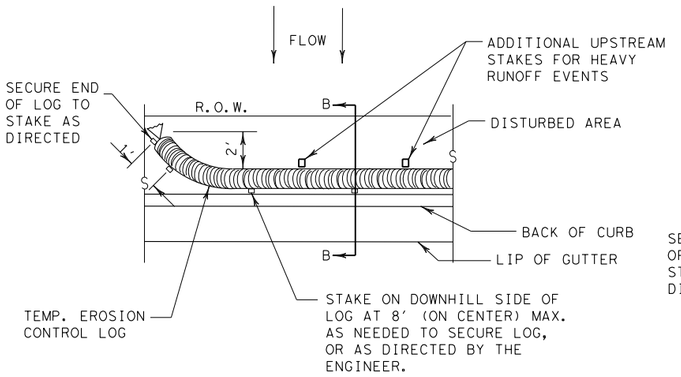


PLAN VIEW



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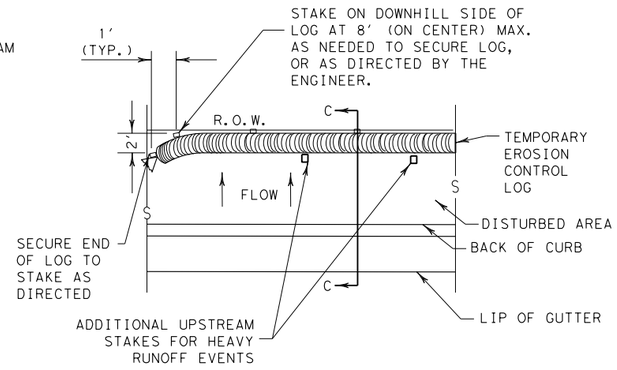

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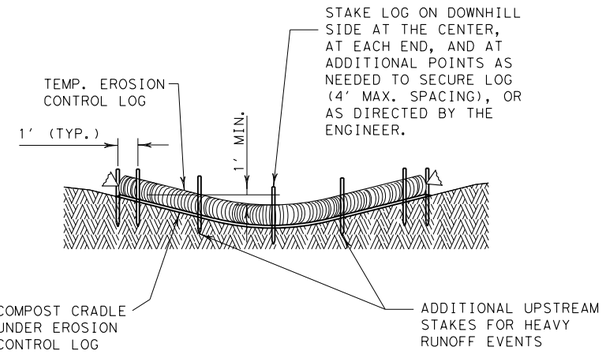
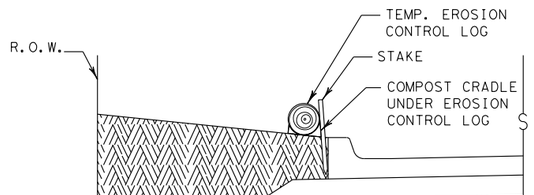


SECTION A-A

EROSION CONTROL LOG DAM

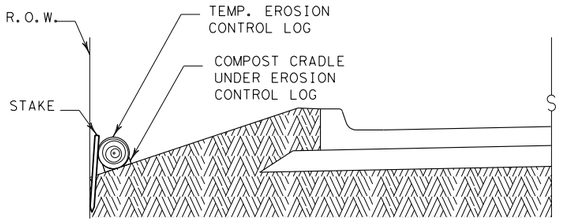
CL-D



SECTION B-B

EROSION CONTROL LOG AT BACK OF CURB

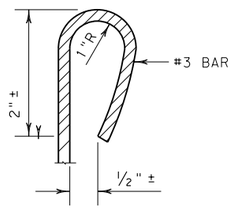
CL-BOC



SECTION C-C

EROSION CONTROL LOG AT EDGE OF RIGHT-OF-WAY

CL-ROW



REBAR STAKE DETAIL

LEGEND

CL-D	EROSION CONTROL LOG DAM
CL-BOC	EROSION CONTROL LOG AT BACK OF CURB
CL-ROW	EROSION CONTROL LOG AT EDGE OF RIGHT-OF-WAY
CL-SST	EROSION CONTROL LOGS ON SLOPES STAKE AND TRENCHING ANCHORING
CL-SSL	EROSION CONTROL LOGS ON SLOPES STAKE AND LASHING ANCHORING
CL-DI	EROSION CONTROL LOG AT DROP INLET
CL-CI	EROSION CONTROL LOG AT CURB INLET
CL-GI	EROSION CONTROL LOG AT CURB & GRATE INLET

GENERAL NOTES:

1. EROSION CONTROL LOGS SHALL BE INSTALLED IN ACCORDANCE WITH MANFACTURER'S RECOMMENDATIONS, OR AS DIRECTED BY THE ENGINEER.
2. LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED.
3. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
4. FILL LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE THE MINIMUM COMPACTED DIAMETER SPECIFIED IN THE PLANS WITHOUT EXCESSIVE DEFORMATION.
5. STAKES SHALL BE 2" X 2" WOOD OR #3 REBAR, 2'-4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED BY THE ENGINEER.
6. DO NOT PLACE STAKES THROUGH CONTAINMENT MESH.
7. COMPOST CRADLE MATERIAL IS INCIDENTAL & WILL NOT BE PAID FOR SEPARATELY.
8. SANDBAGS USED AS ANCHORS SHALL BE PLACED ON TOP OF LOGS & SHALL BE OF SUFFICIENT SIZE TO HOLD LOGS IN PLACE.
9. TURN THE ENDS OF EACH ROW OF LOGS UPSLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE LOG.
10. FOR HEAVY RUNOFF EVENTS, ADDITIONAL UPSTREAM STAKES MAY BE NECESSARY TO KEEP LOG FROM FOLDING IN ON ITSELF.

SEDIMENT BASIN & TRAP USAGE GUIDELINES

An erosion control log sediment trap may be used to filter sediment out of runoff draining from an unstabilized area.

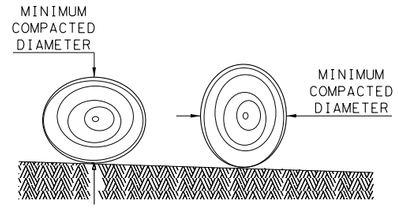
Log Traps: The drainage area for a sediment trap should not exceed 5 acres. The trap capacity should be 1800 CF/Acre (0.5" over the drainage area).

Control logs should be placed in the following locations:

1. Within drainage ditches spaced as needed or min. 500' on center
2. Immediately preceding ditch inlets or drain inlets
3. Just before the drainage enters a water course
4. Just before the drainage leaves the right of way
5. Just before the drainage leaves the construction limits where drainage flows away from the project.

The logs should be cleaned when the sediment has accumulated to a depth of 1/2 the log diameter.

Cleaning and removal of accumulated sediment deposits is incidental and will not be paid for separately.



DIAMETER MEASUREMENTS OF EROSION CONTROL LOGS SPECIFIED IN PLANS

SHEET 1 OF 3

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

EROSION CONTROL LOG

EC(9)-16

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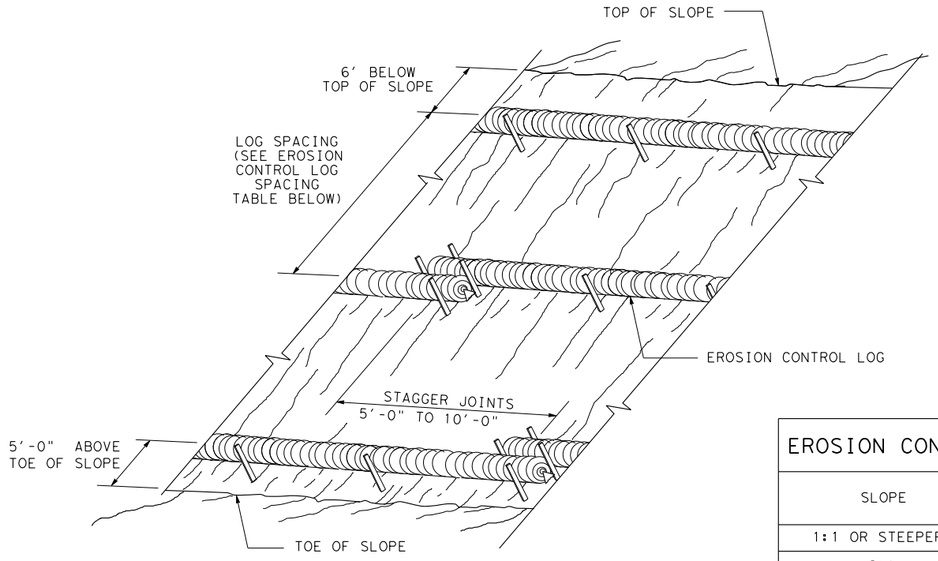
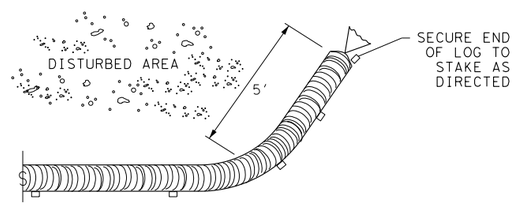


EROSION CONTROL LOGS ON SLOPES
STAKE AND TRENCHING ANCHORING

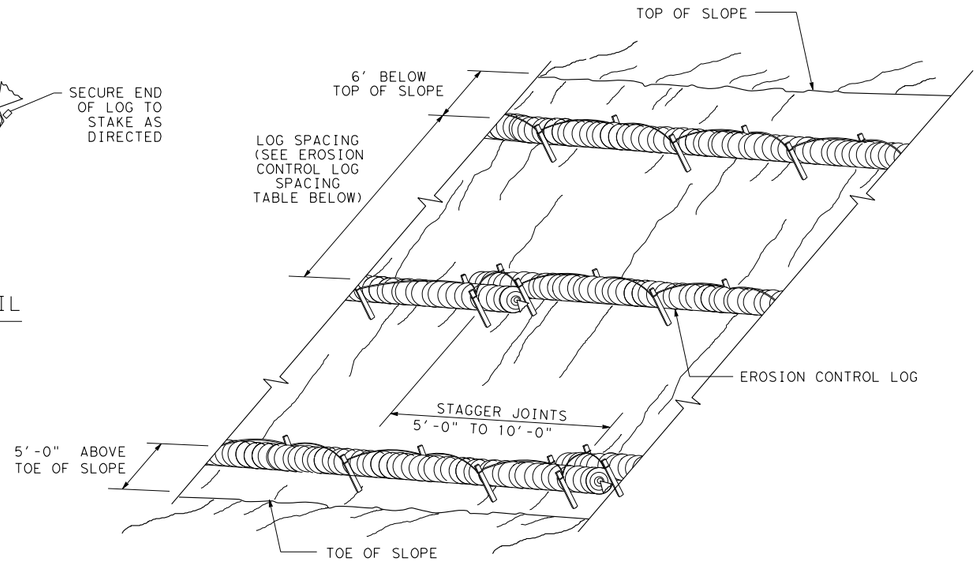
CL-SST



END SECTION RAP DETAIL

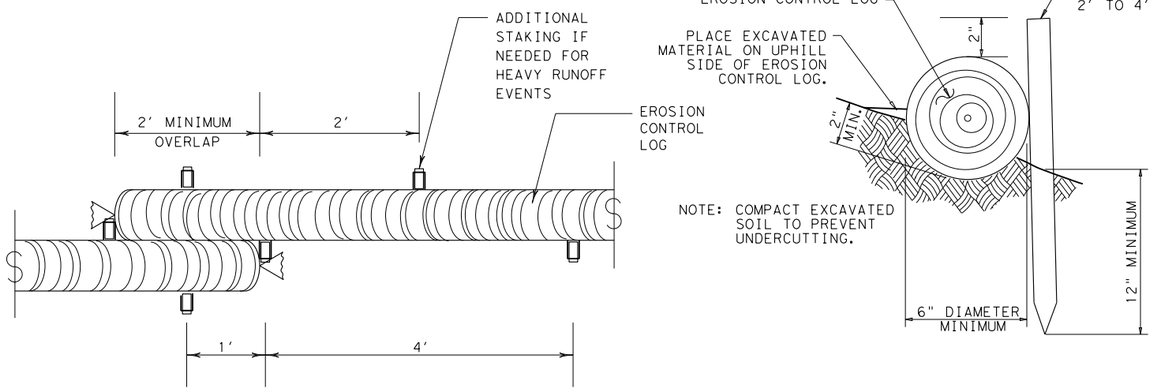
EROSION CONTROL LOG SPACING TABLE				
SLOPE	LOG DIAMETER			
	6"	8"	12"	18"
1:1 OR STEEPER	5'	10'	15'	20'
2:1	10'	20'	30'	40'
3:1	15'	30'	45'	60'
4:1 OR FLATTER	20'	40'	60'	80'

* ADJUSTMENTS CAN BE MADE FOR SOIL TYPE:
SOFT, LOAMY SOILS-ADJUST ROWS CLOSER TOGETHER;
HARD, ROCKY SOILS- ADJUST ROWS FARTHER APART



EROSION CONTROL LOGS ON SLOPES
STAKE AND LASHING ANCHORING

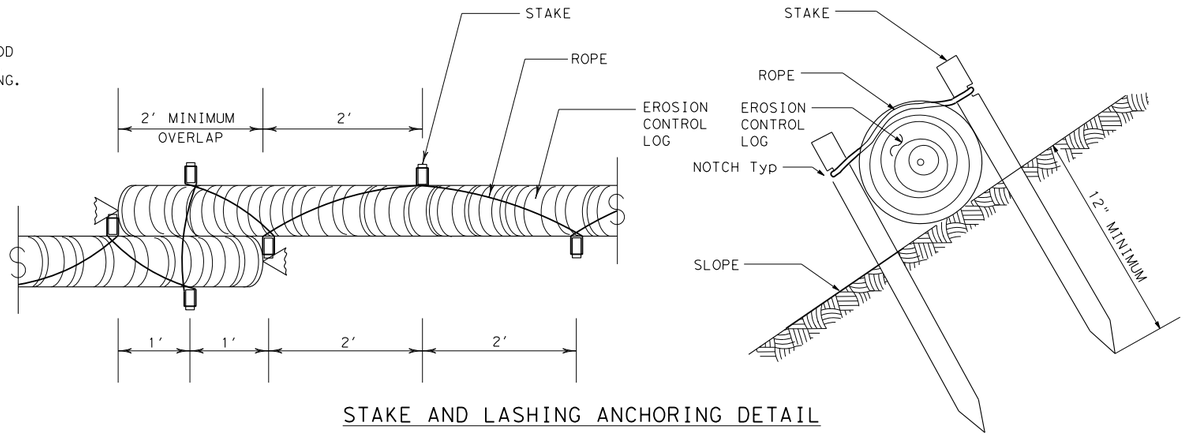
CL-SSL



STAKE AND TRENCHING ANCHORING DETAIL

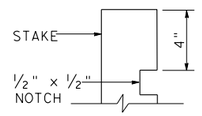
CL-SST

TRENCH DEPTH TABLE	
LOG DIAMETER	DEPTH
6"	2"
8"	3"
12"	4"
18"	5"



STAKE AND LASHING ANCHORING DETAIL

CL-SSL



STAKE NOTCH DETAIL

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

EROSION CONTROL LOG

EC(9)-16

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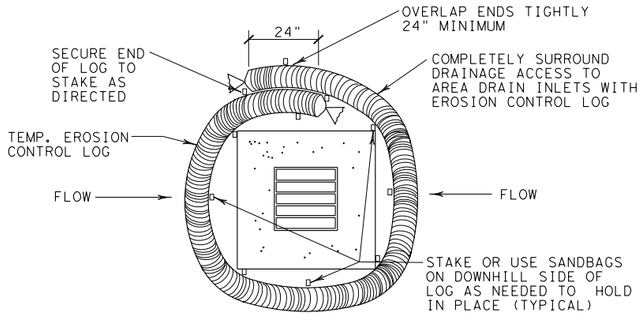
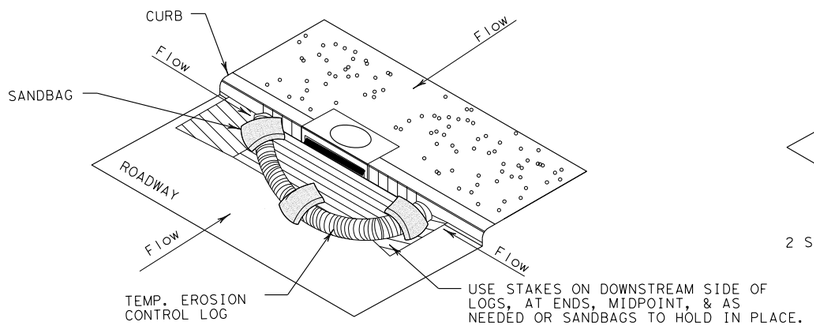


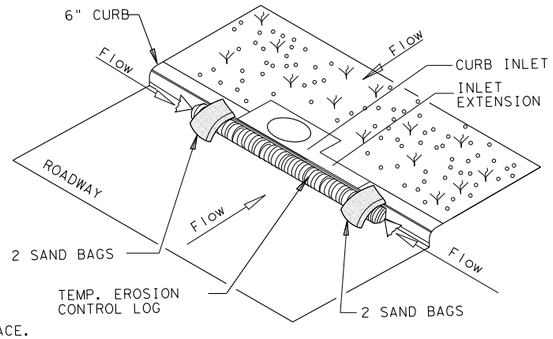
EROSION CONTROL LOG AT DROP INLET

CL-DI



EROSION CONTROL LOG AT CURB INLET

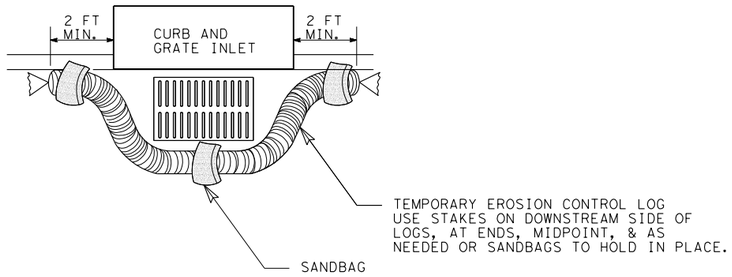
CL-CI



EROSION CONTROL LOG AT CURB INLET

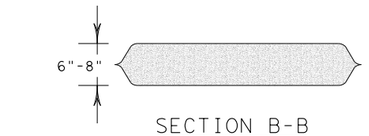
CL-CI

NOTE:
EROSION CONTROL LOGS USED AT CURB INLETS SHOULD ONLY BE USED IF THEY WILL NOT IMPEDE TRAFFIC OR FLOOD THE ROADWAY OR WHEN THE STORM SEWER SYSTEM IS NOT FULLY FUNCTIONAL.

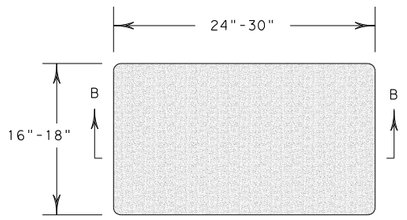


EROSION CONTROL LOG AT CURB & GRADE INLET

CL-GI



SECTION B-B



SANDBAG DETAIL

SHEET 3 OF 3

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

EROSION CONTROL LOG

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GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
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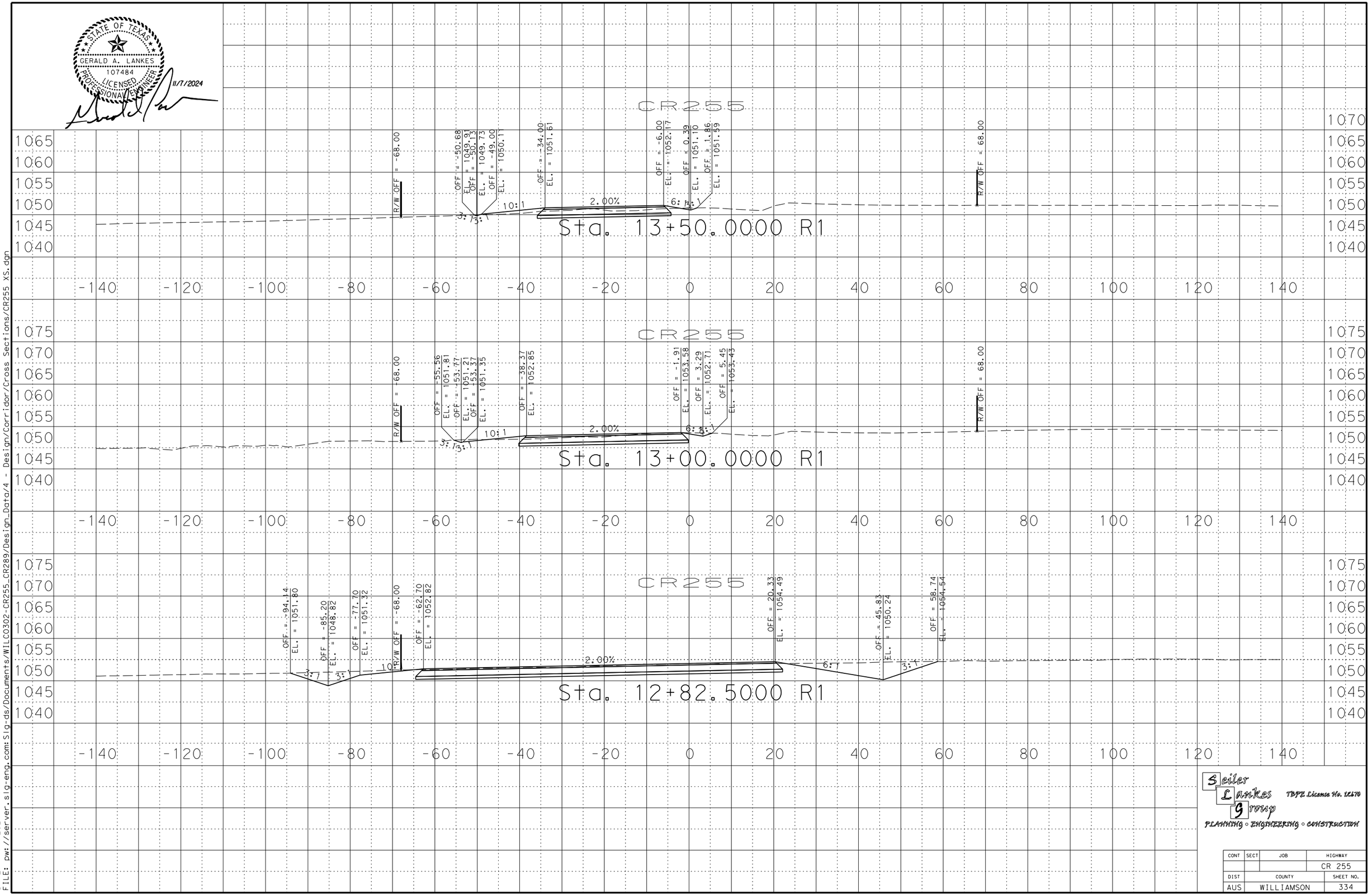

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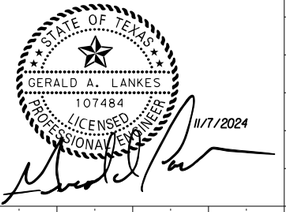

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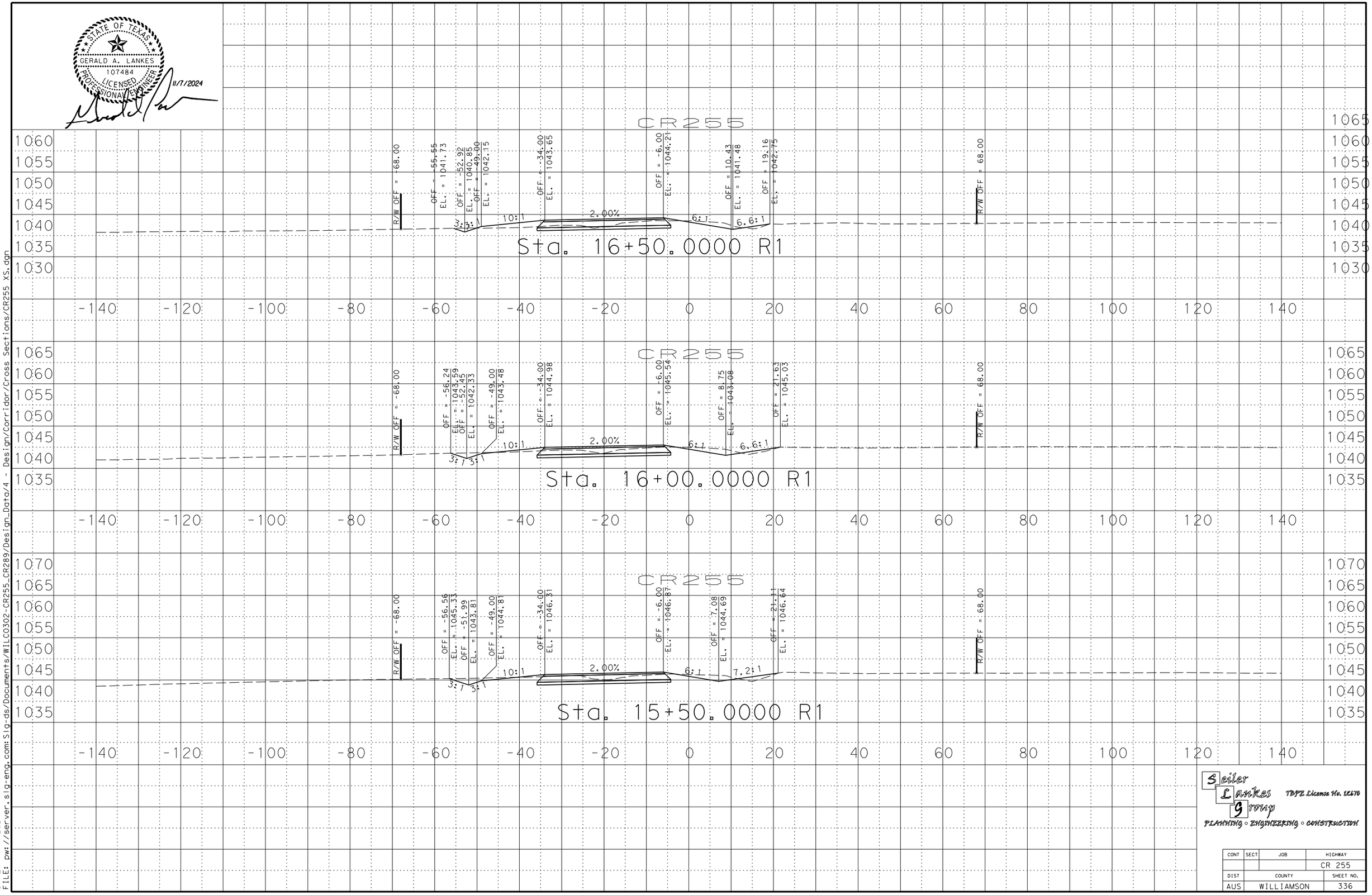

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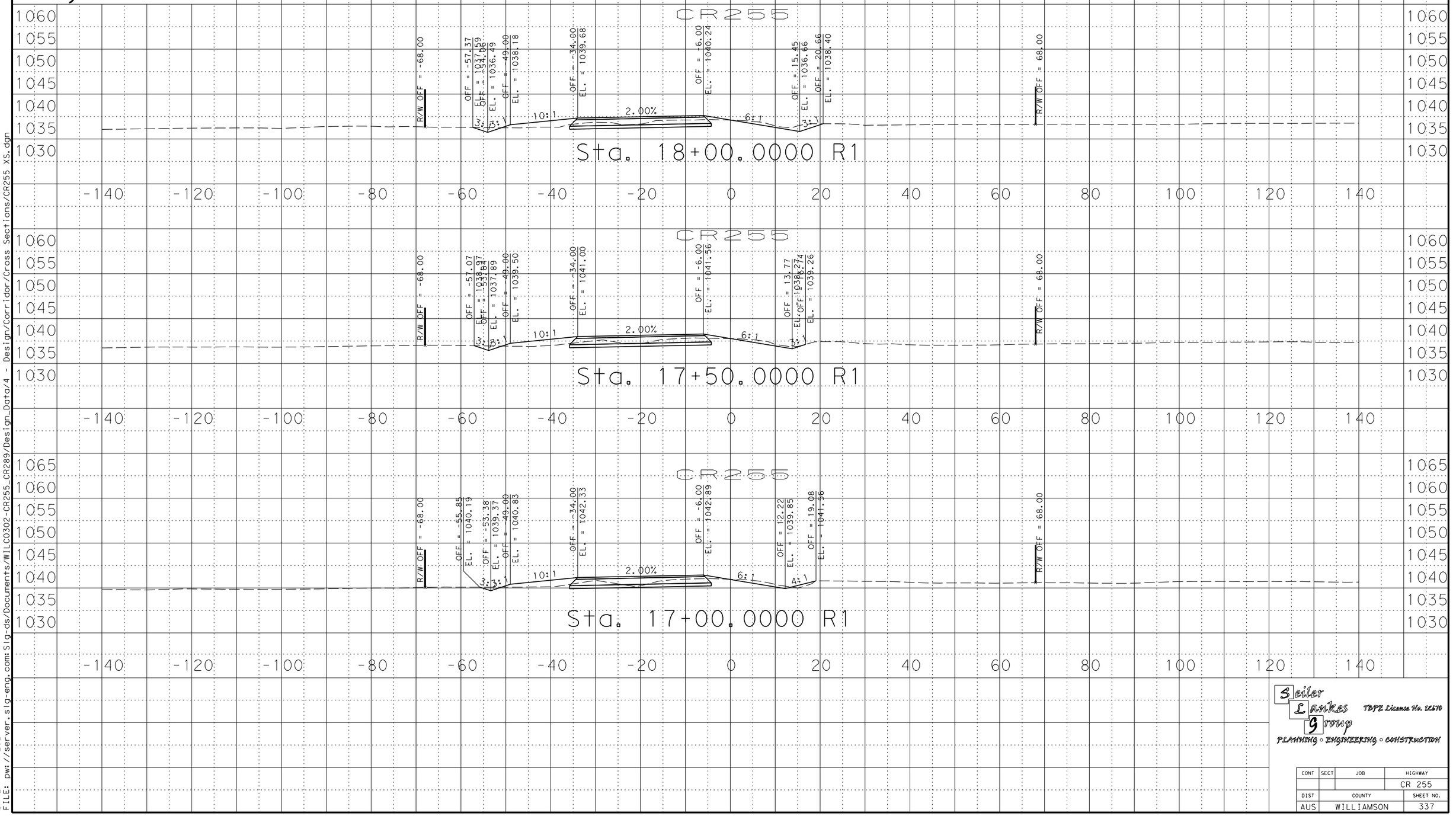

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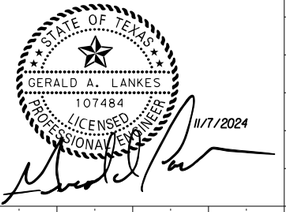

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		338

DATE: 11/7/2024 12:58
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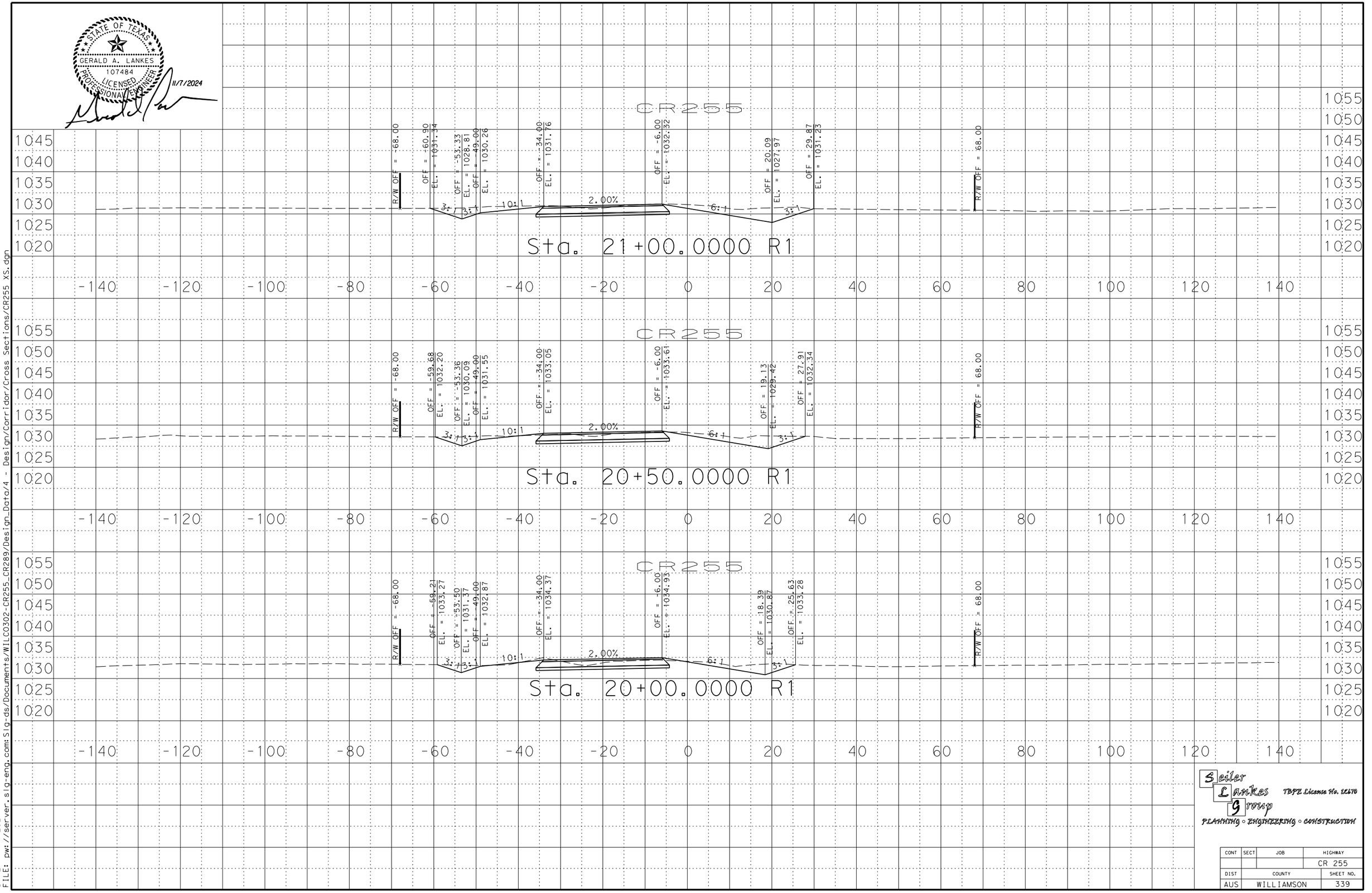

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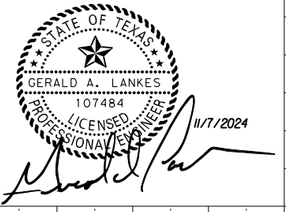
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		339



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		340

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		341

DATE: 11/7/2024 12:58
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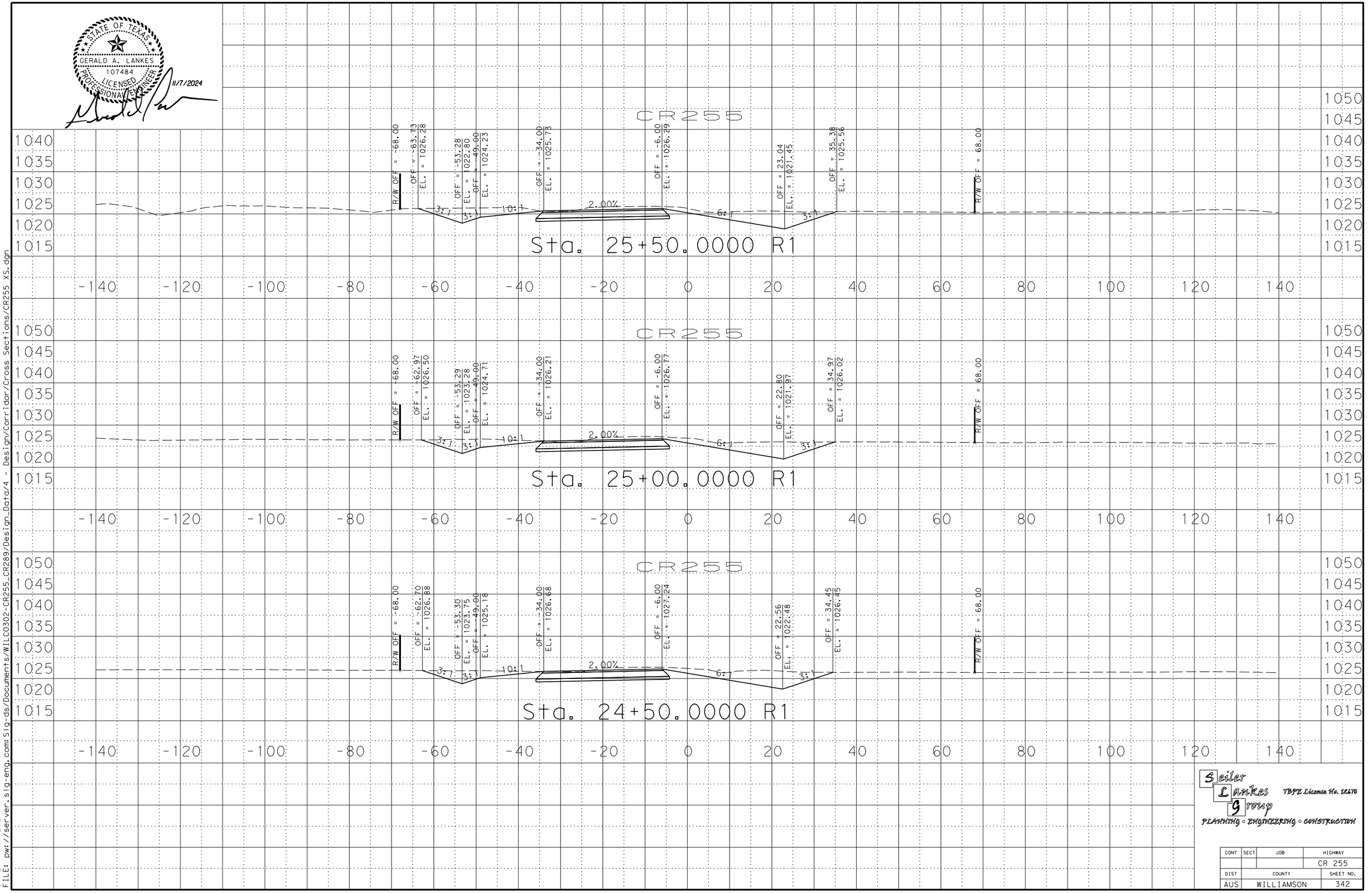

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		342

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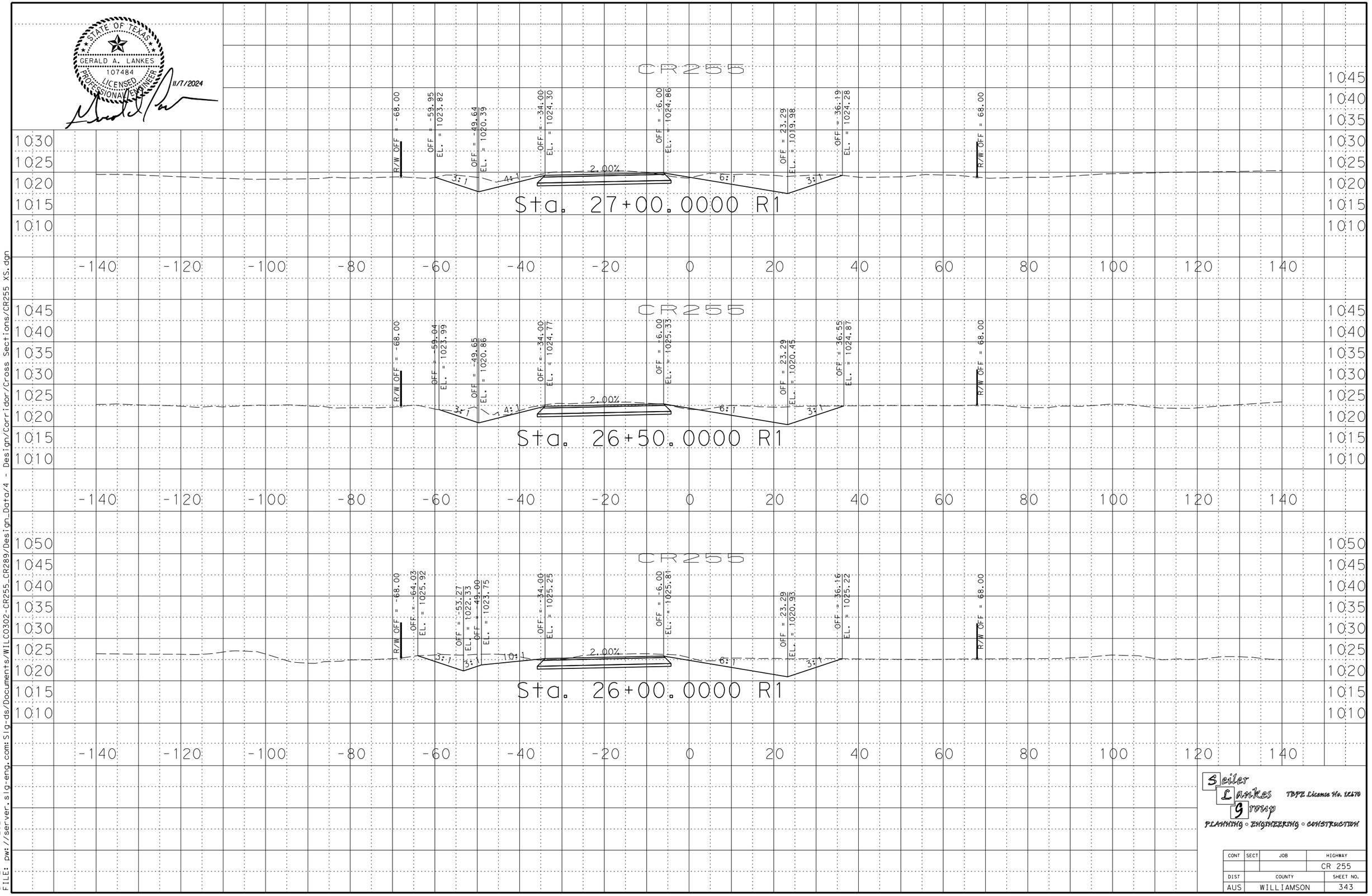

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		343

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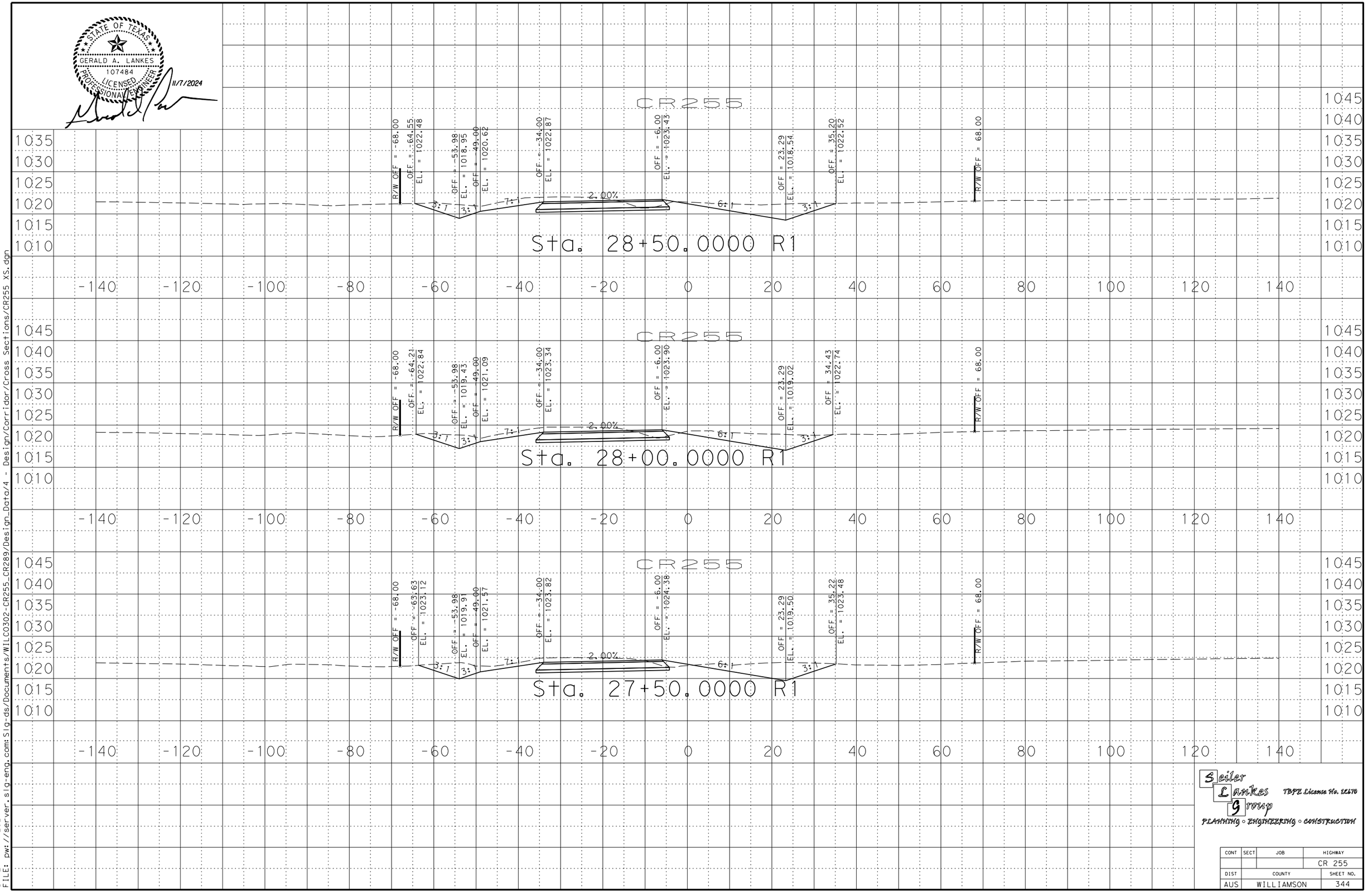

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		344

DATE: 11/7/2024 12:58
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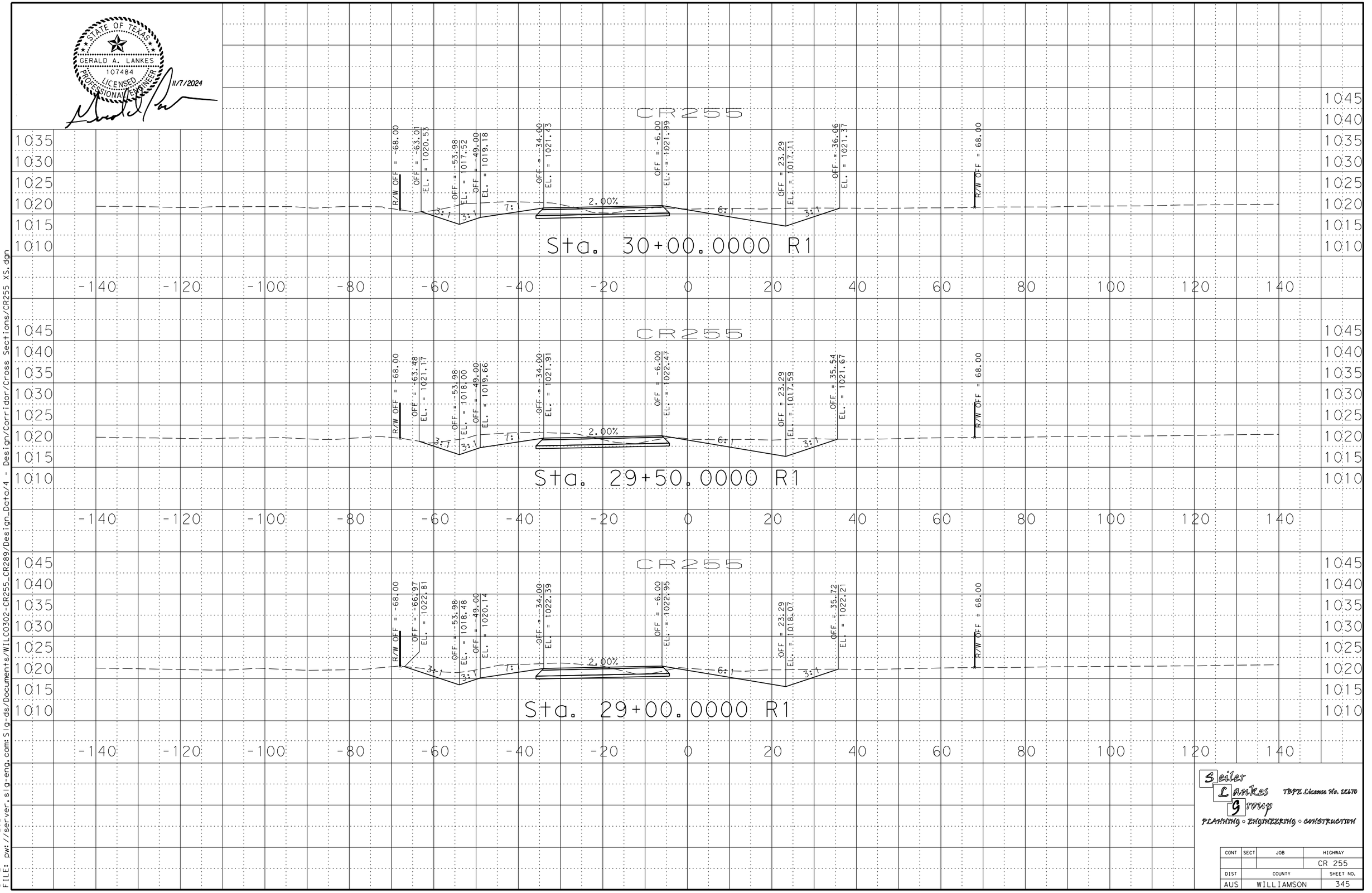

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		345

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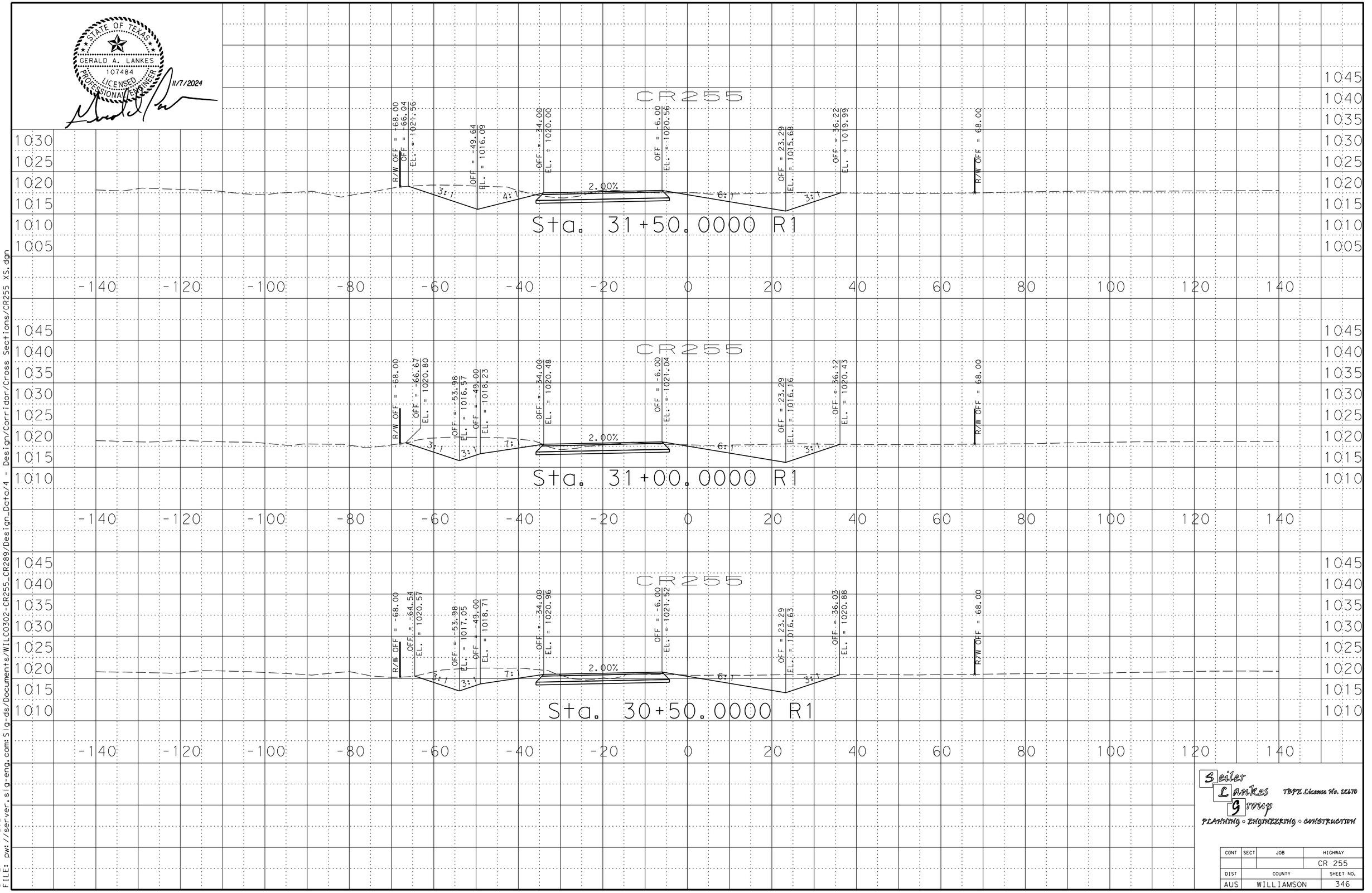

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		346

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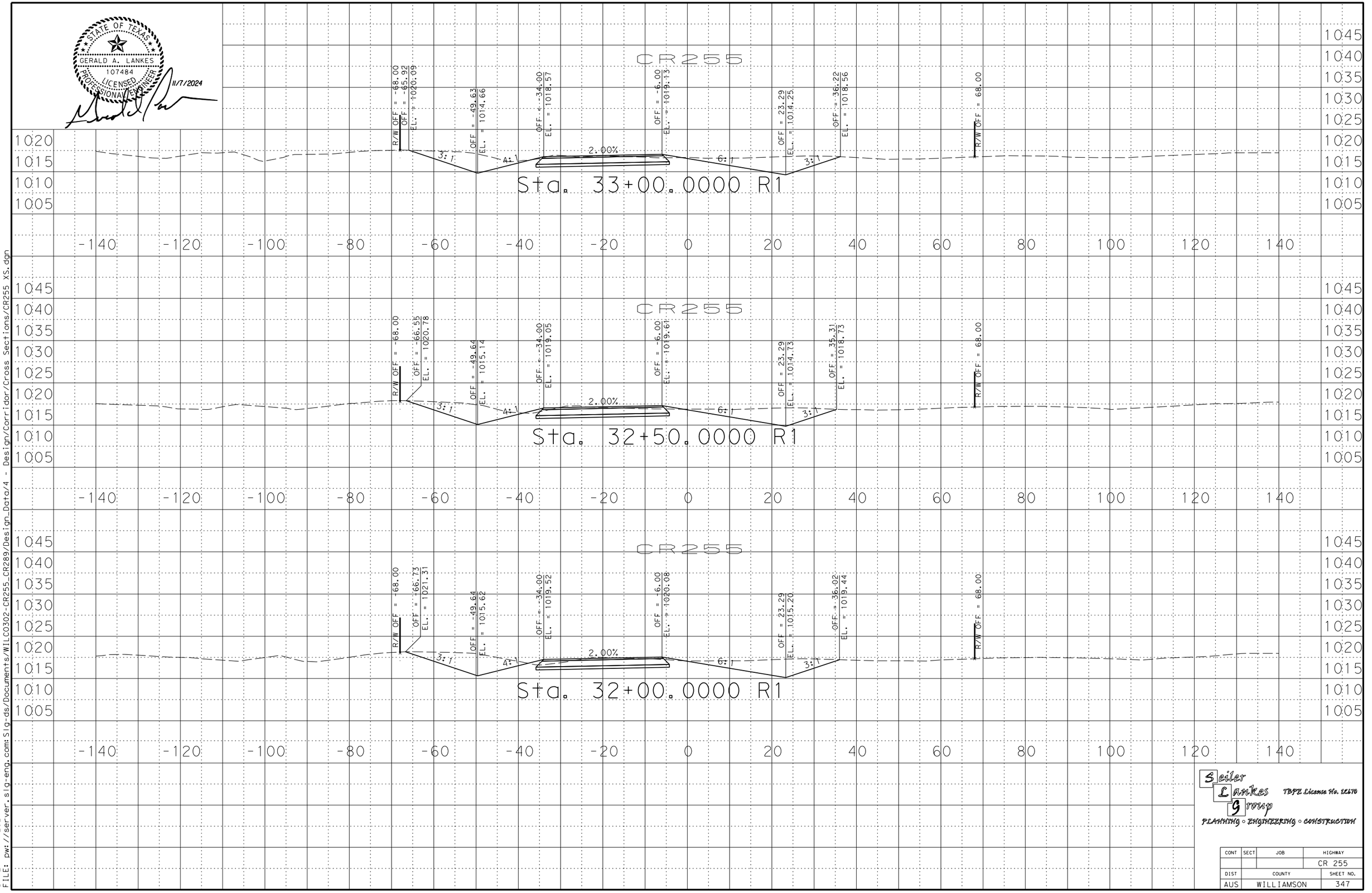

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		347

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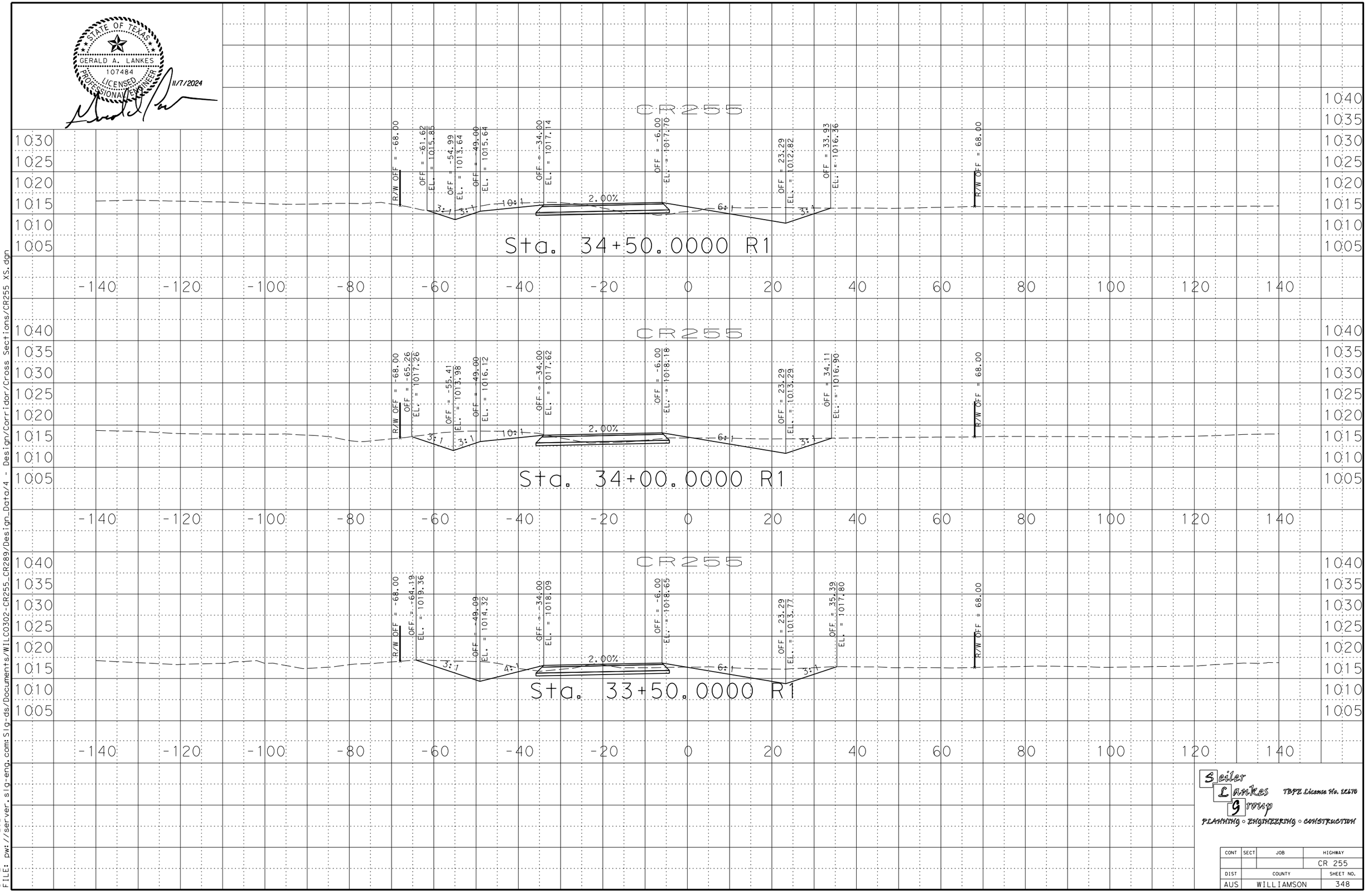

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		348

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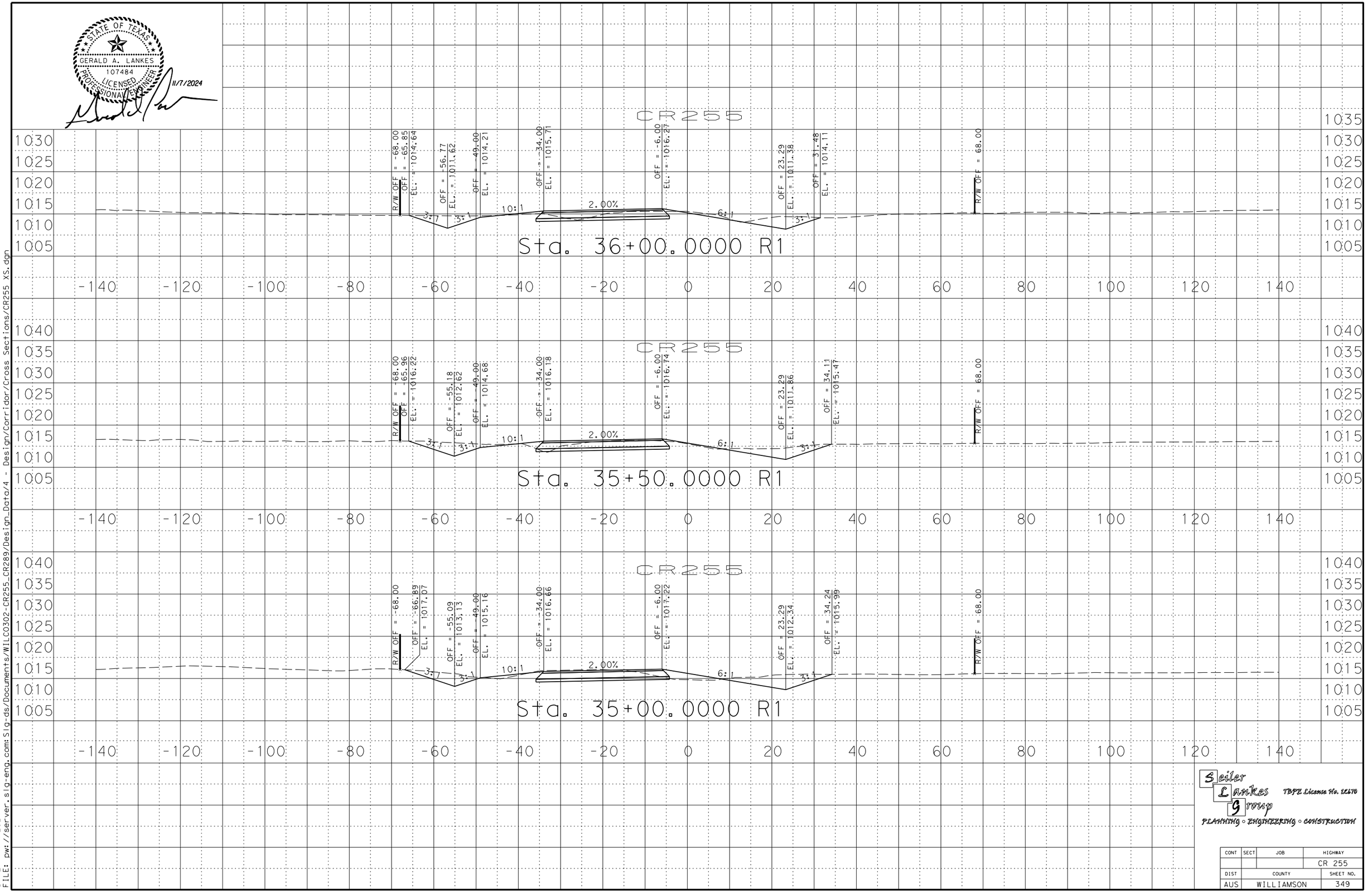

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		349

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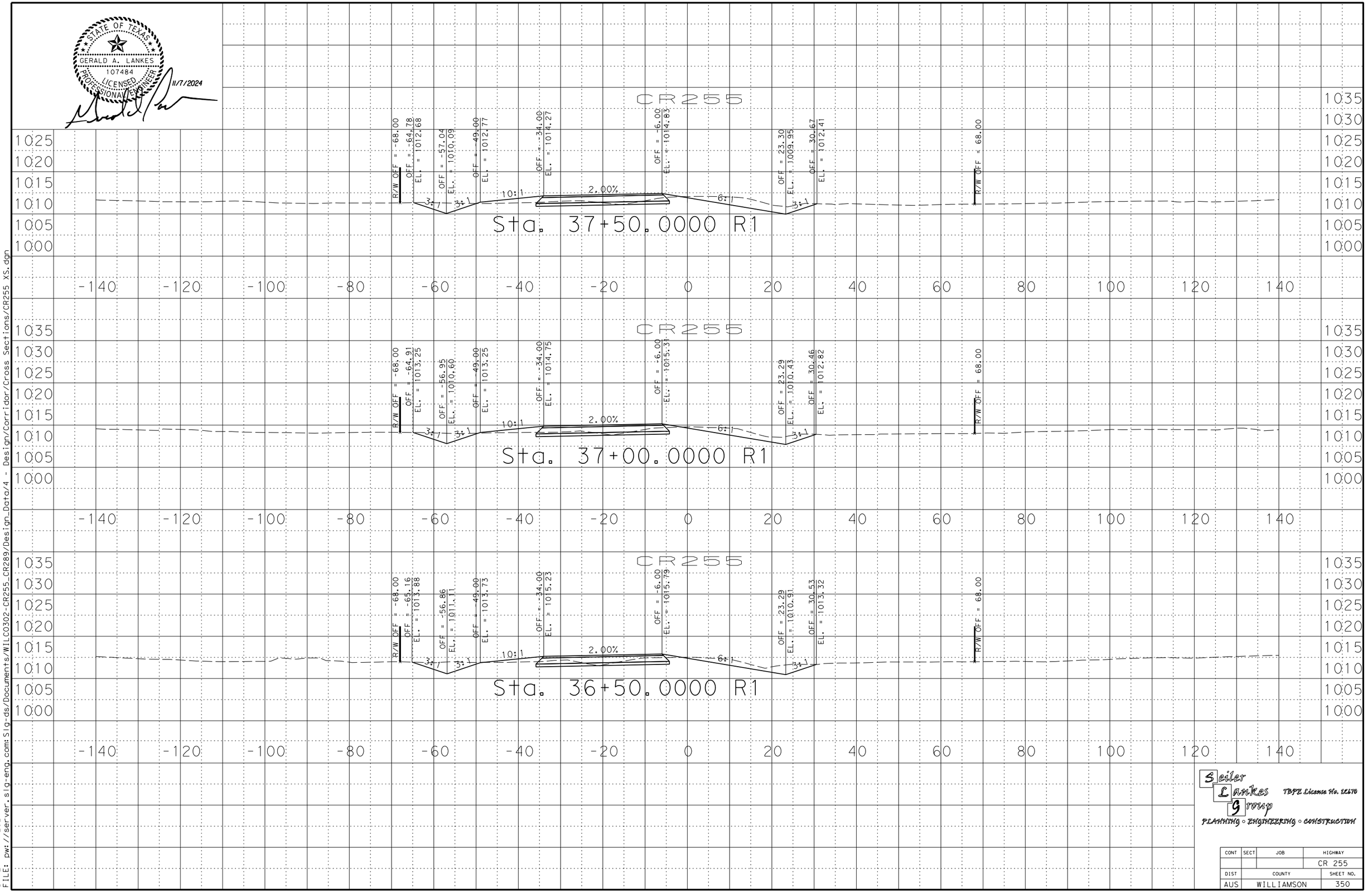

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		350

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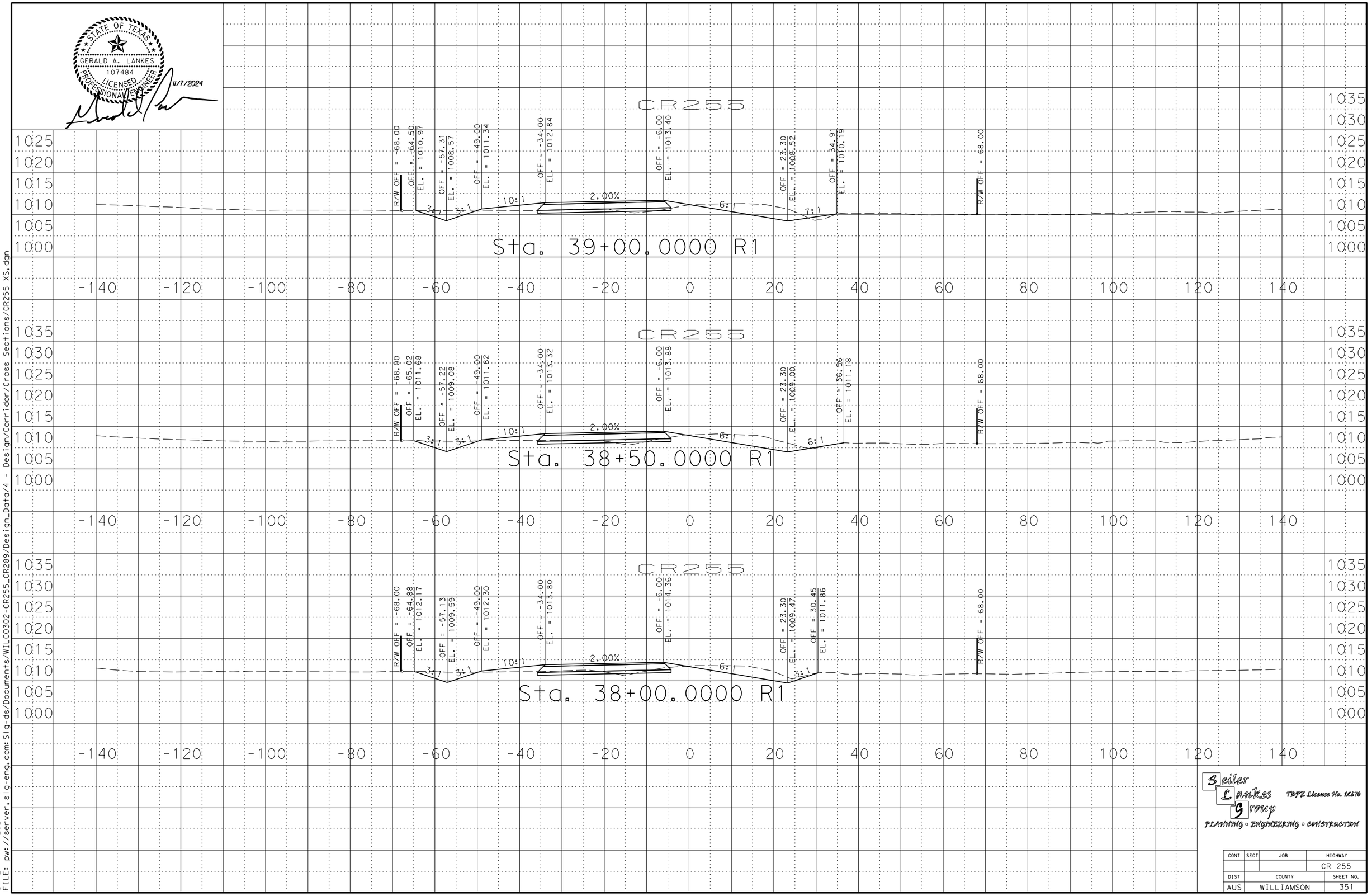

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		351

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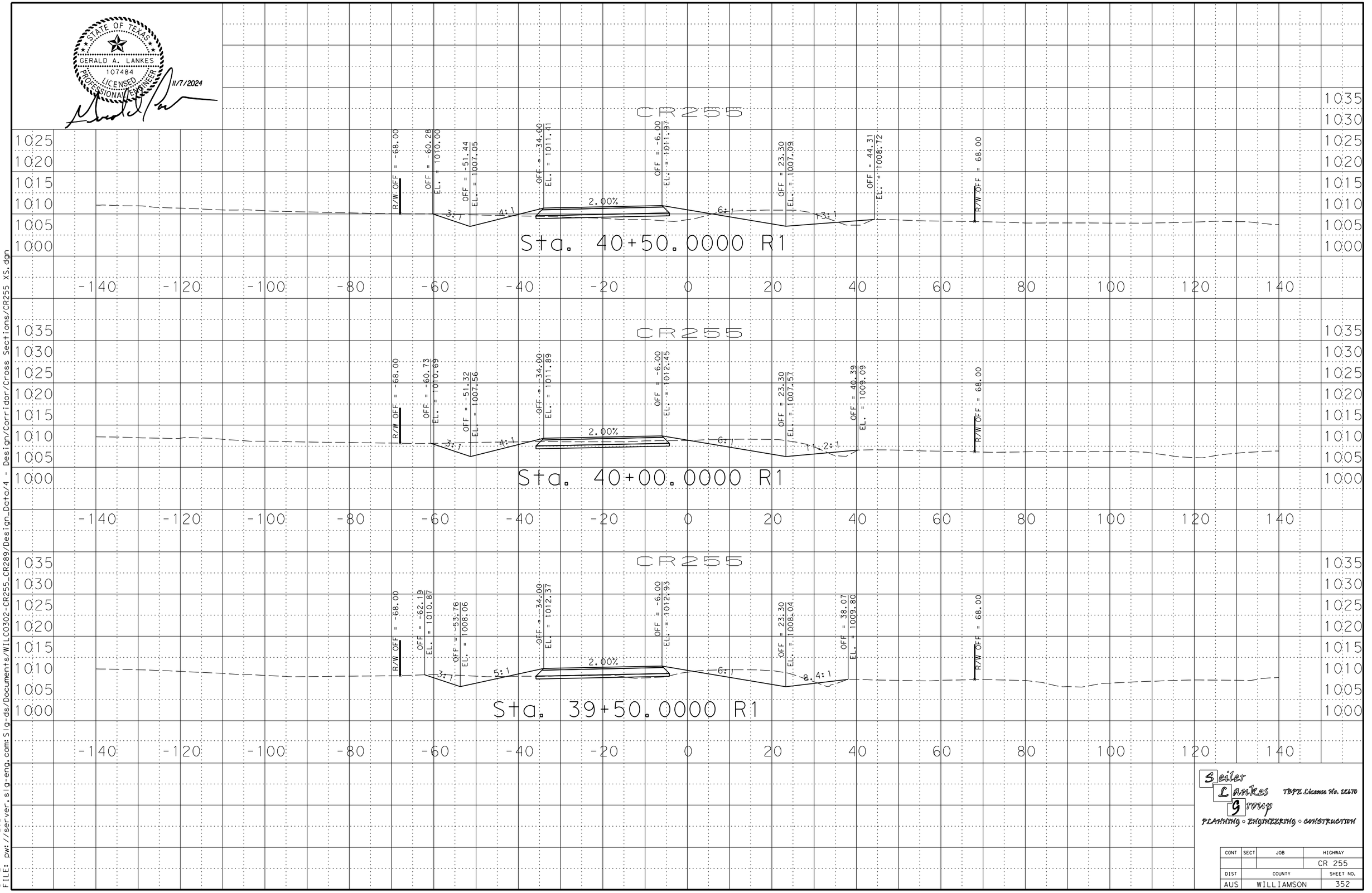

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		352

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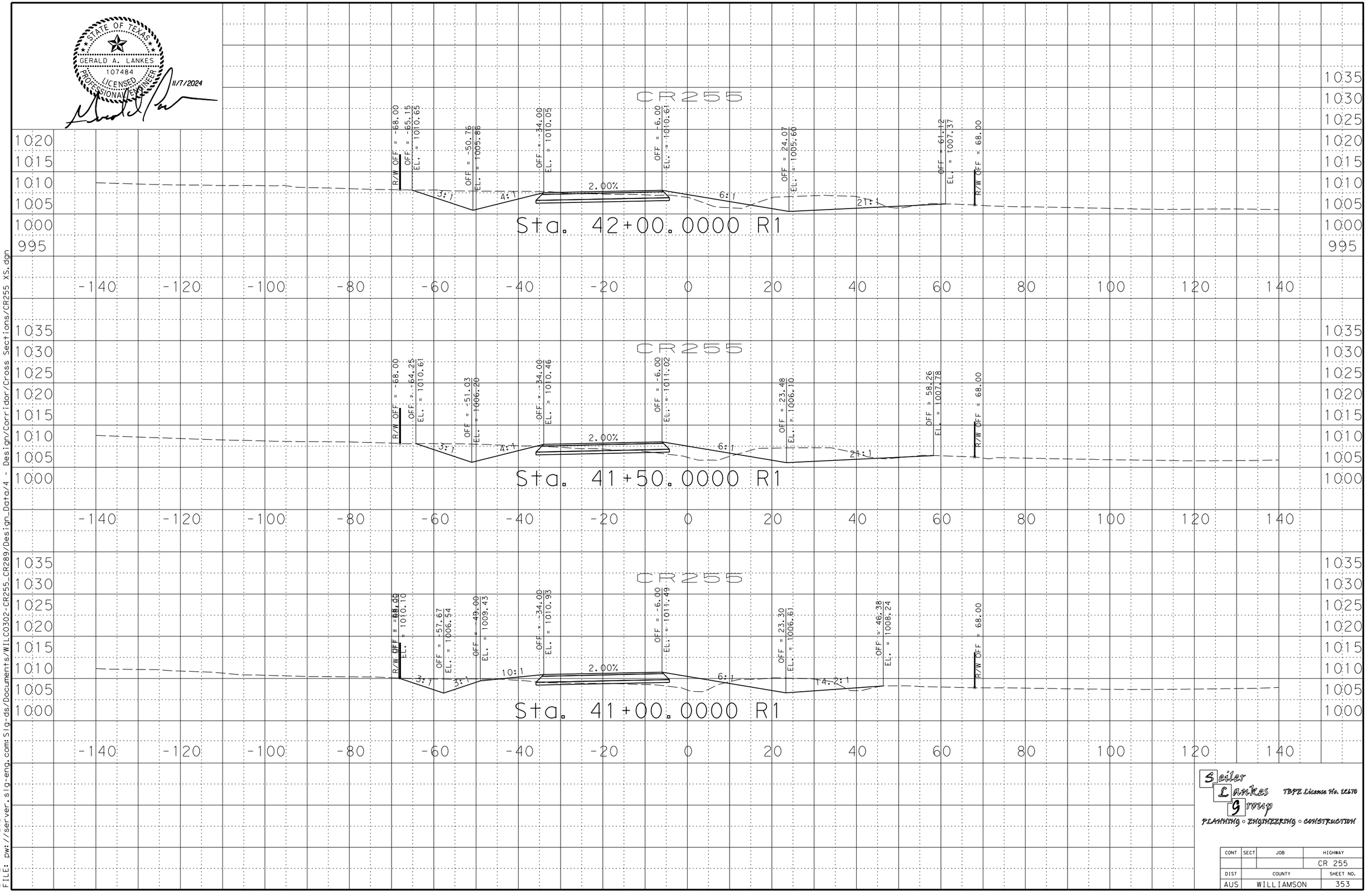

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		353

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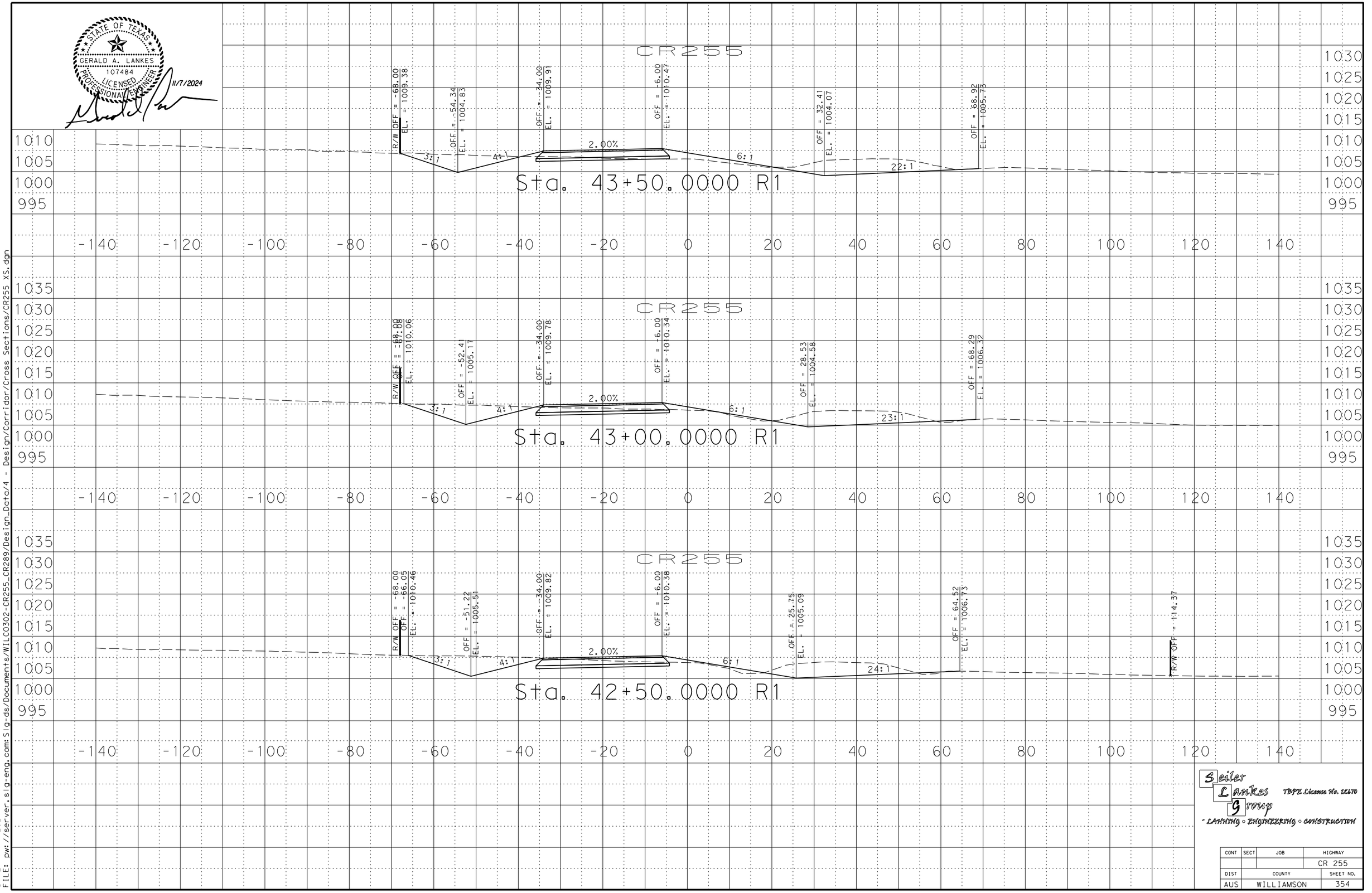

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		354

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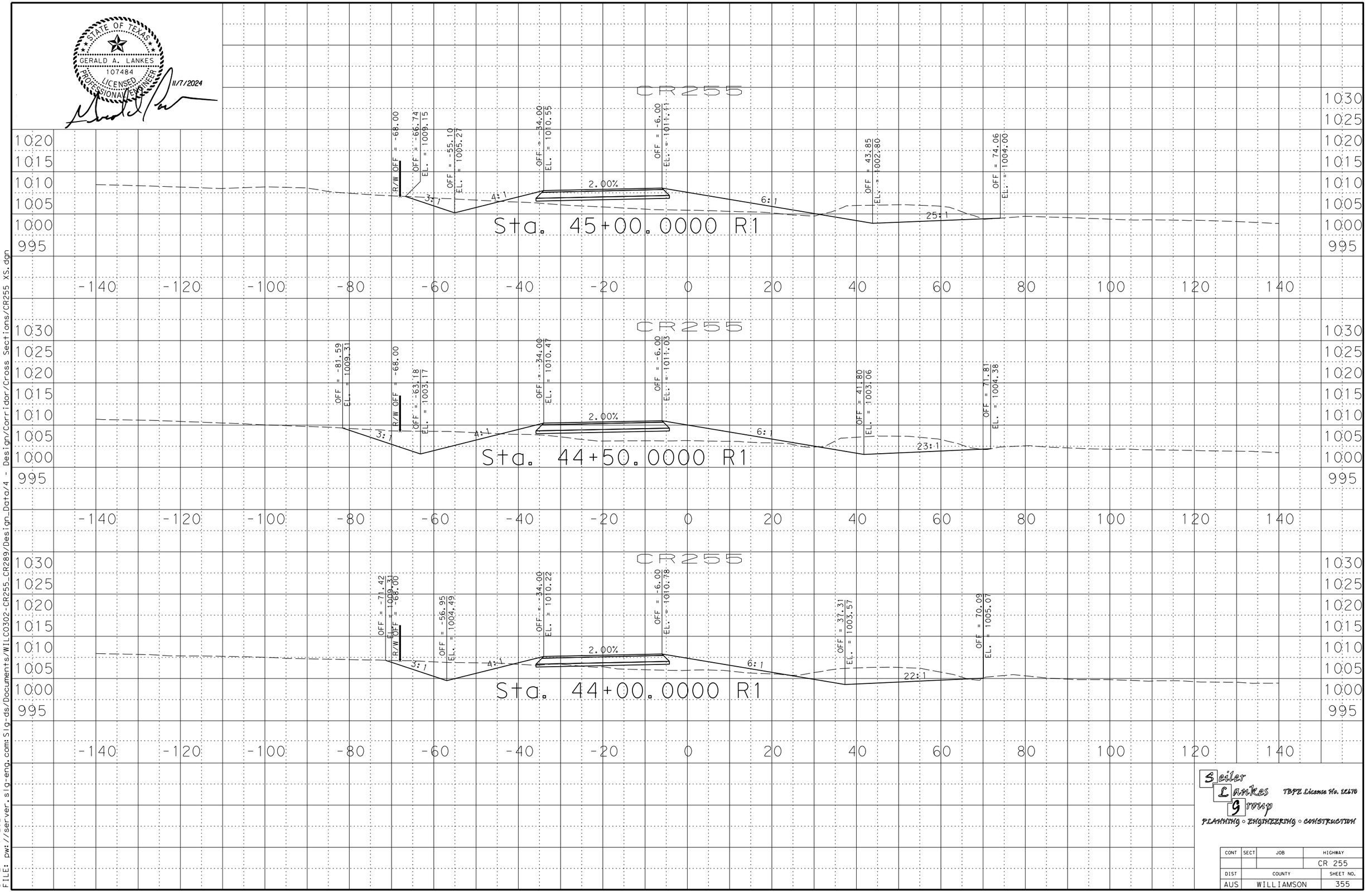

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		355

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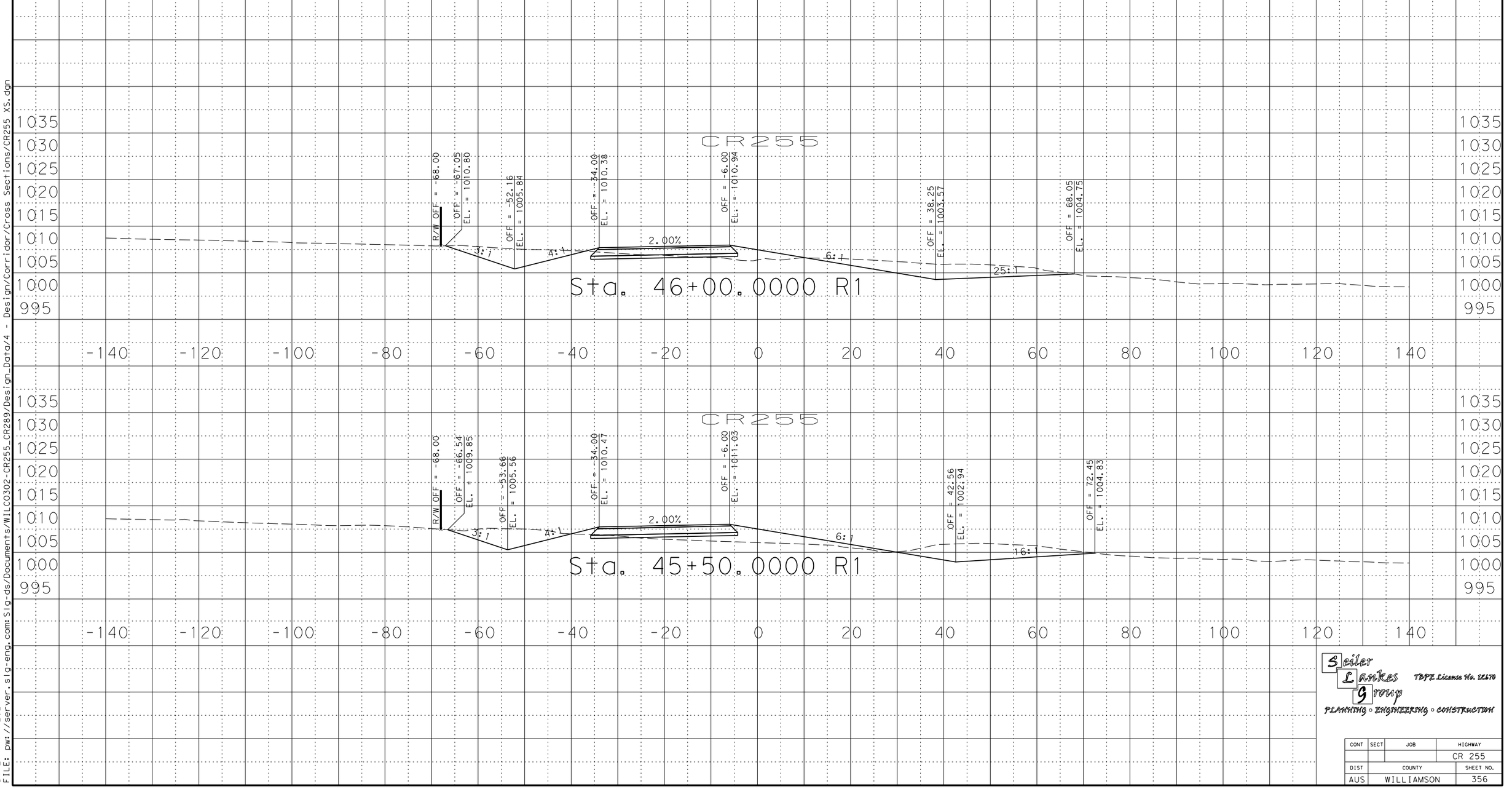

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		356

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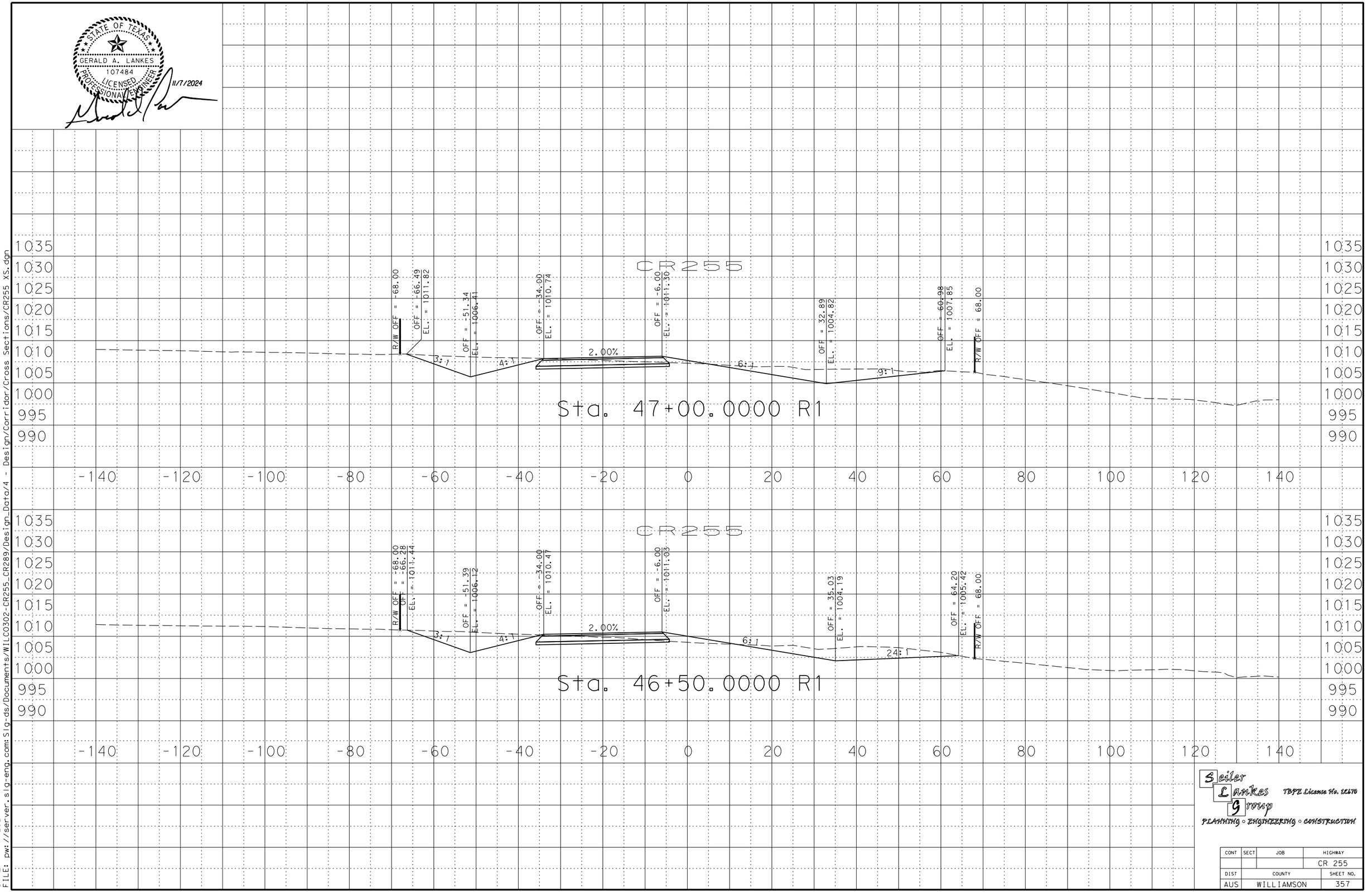

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		357

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STATE OF TEXAS
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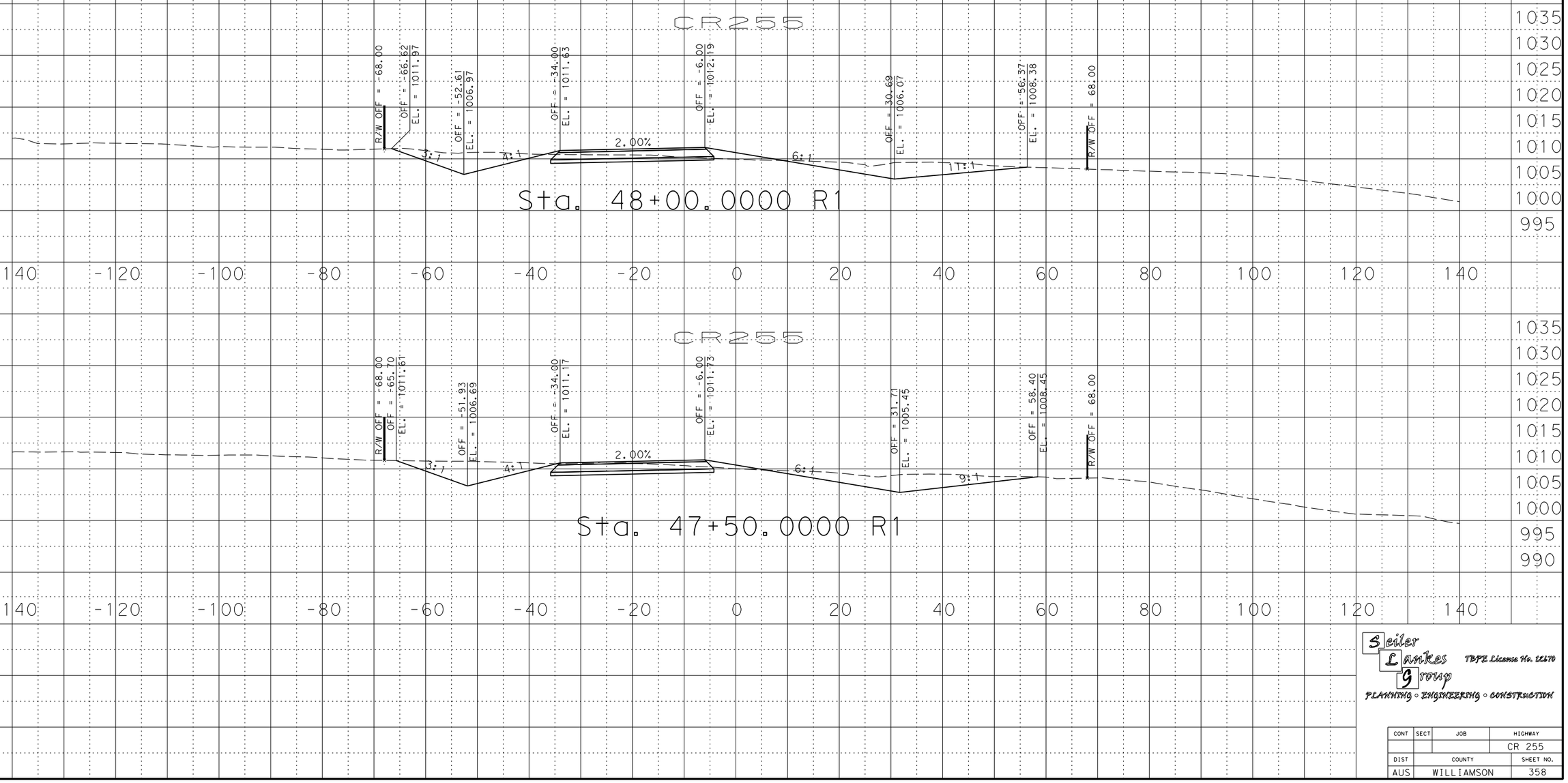

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		358

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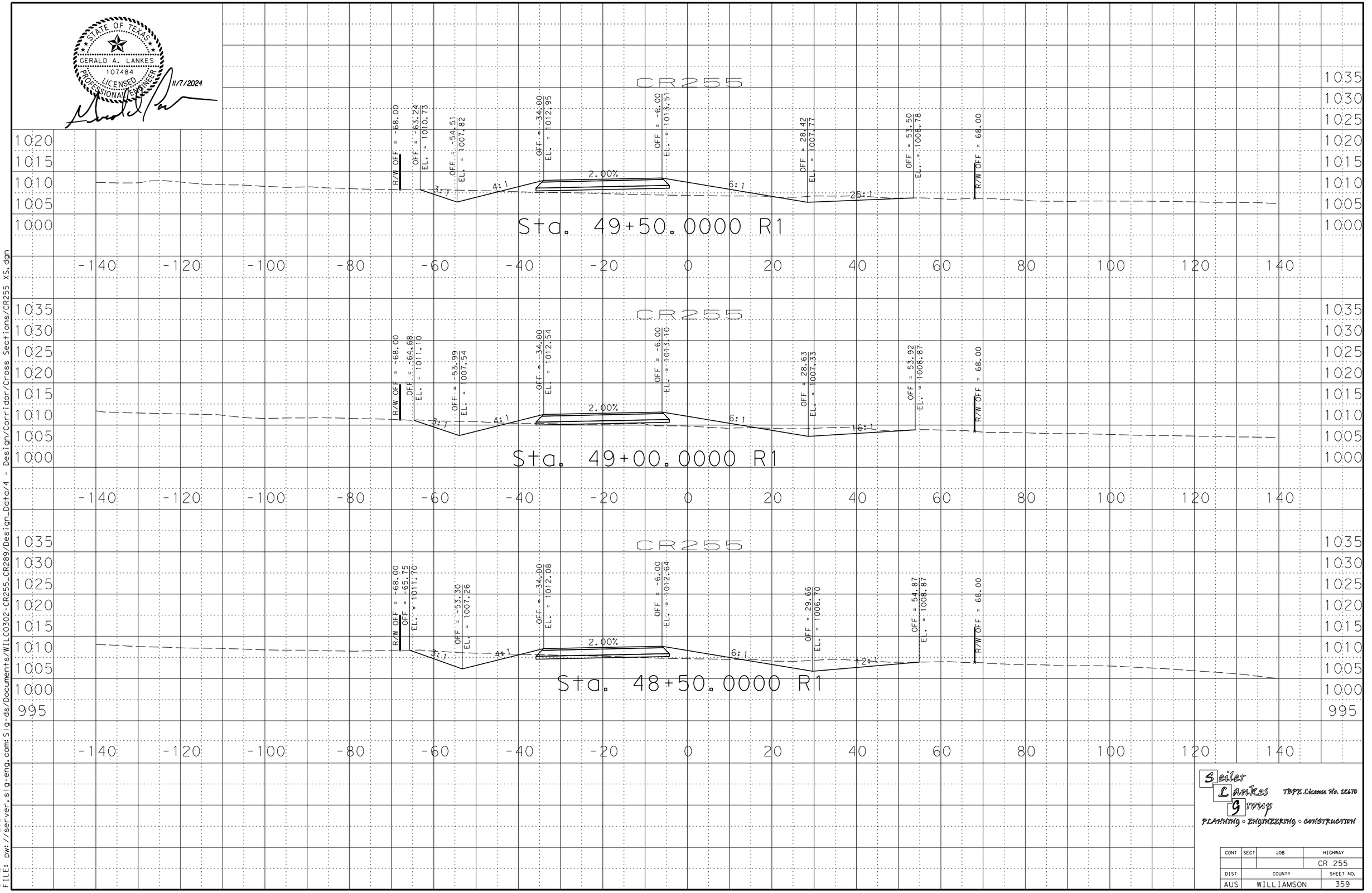

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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		359

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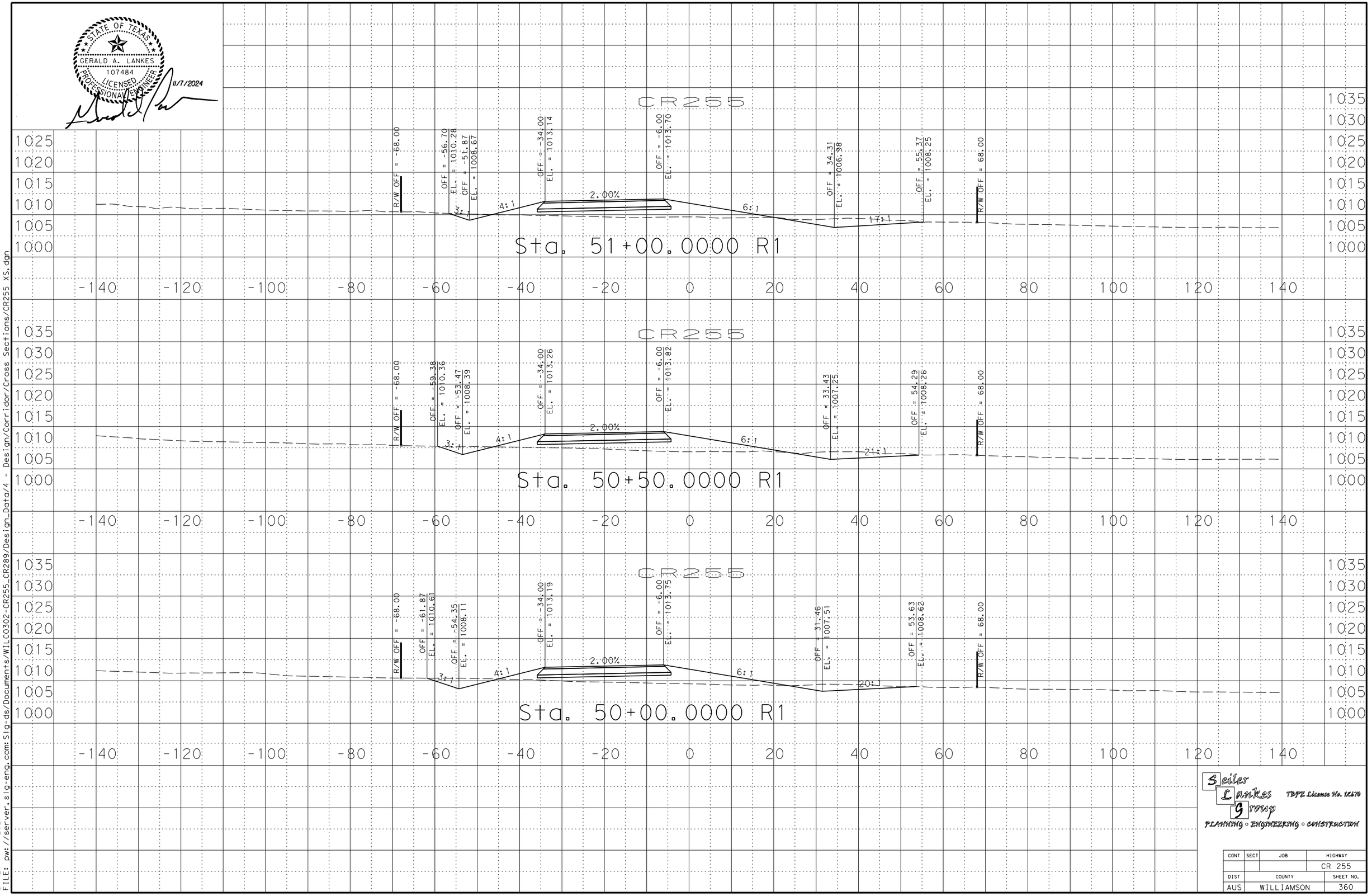

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		360

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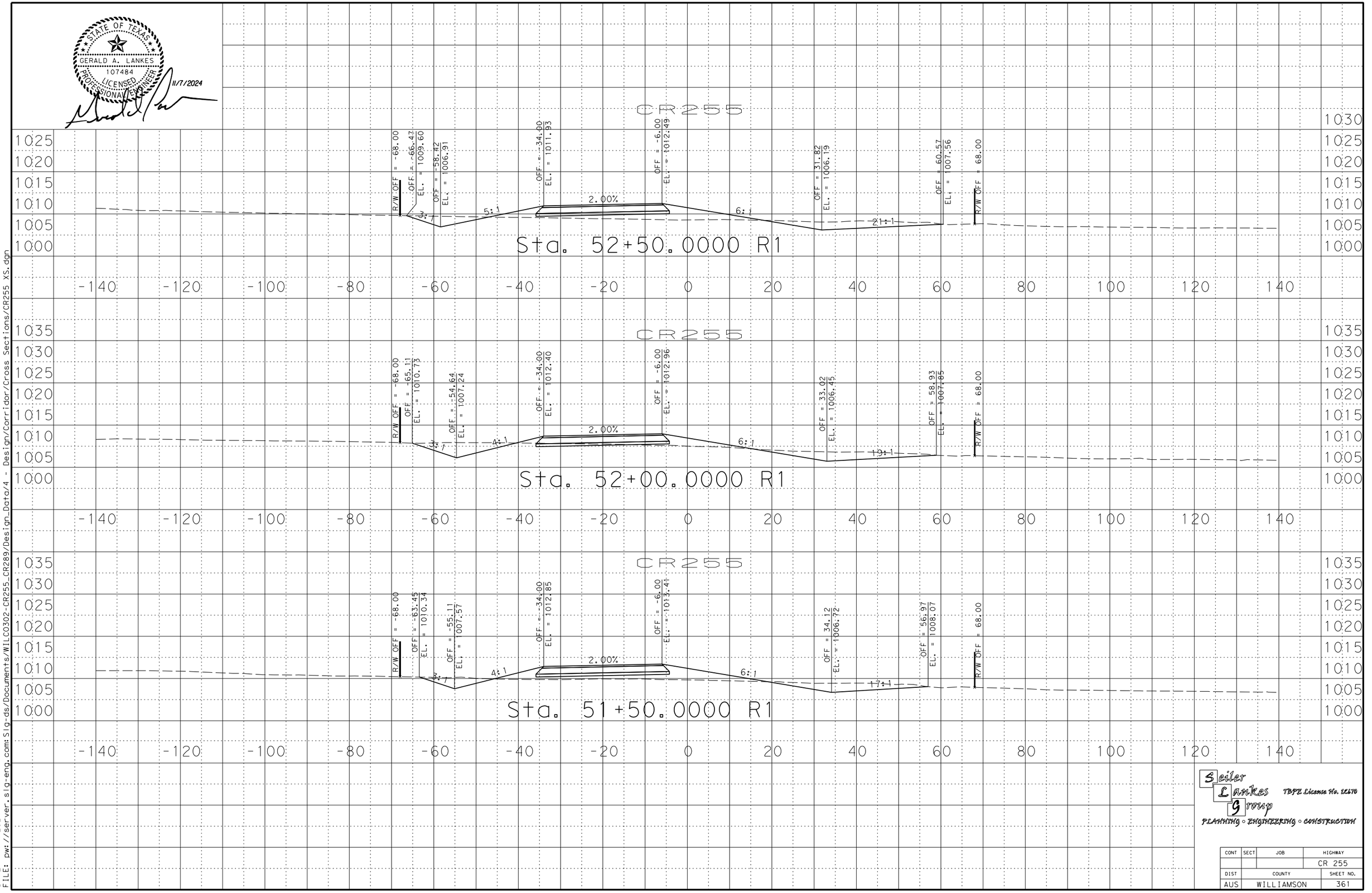

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		361

DATE: 11/7/2024 12:58
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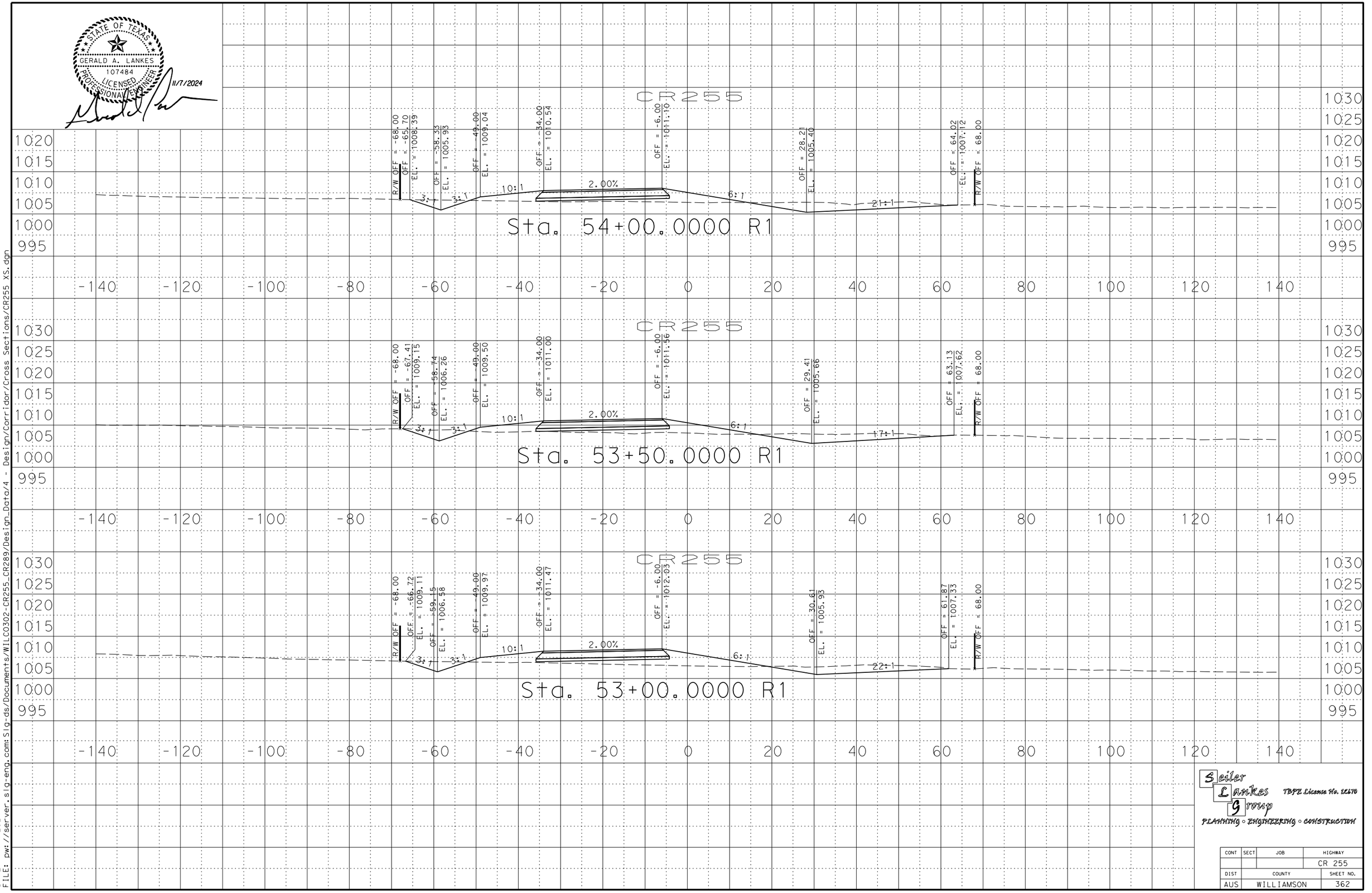

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		362

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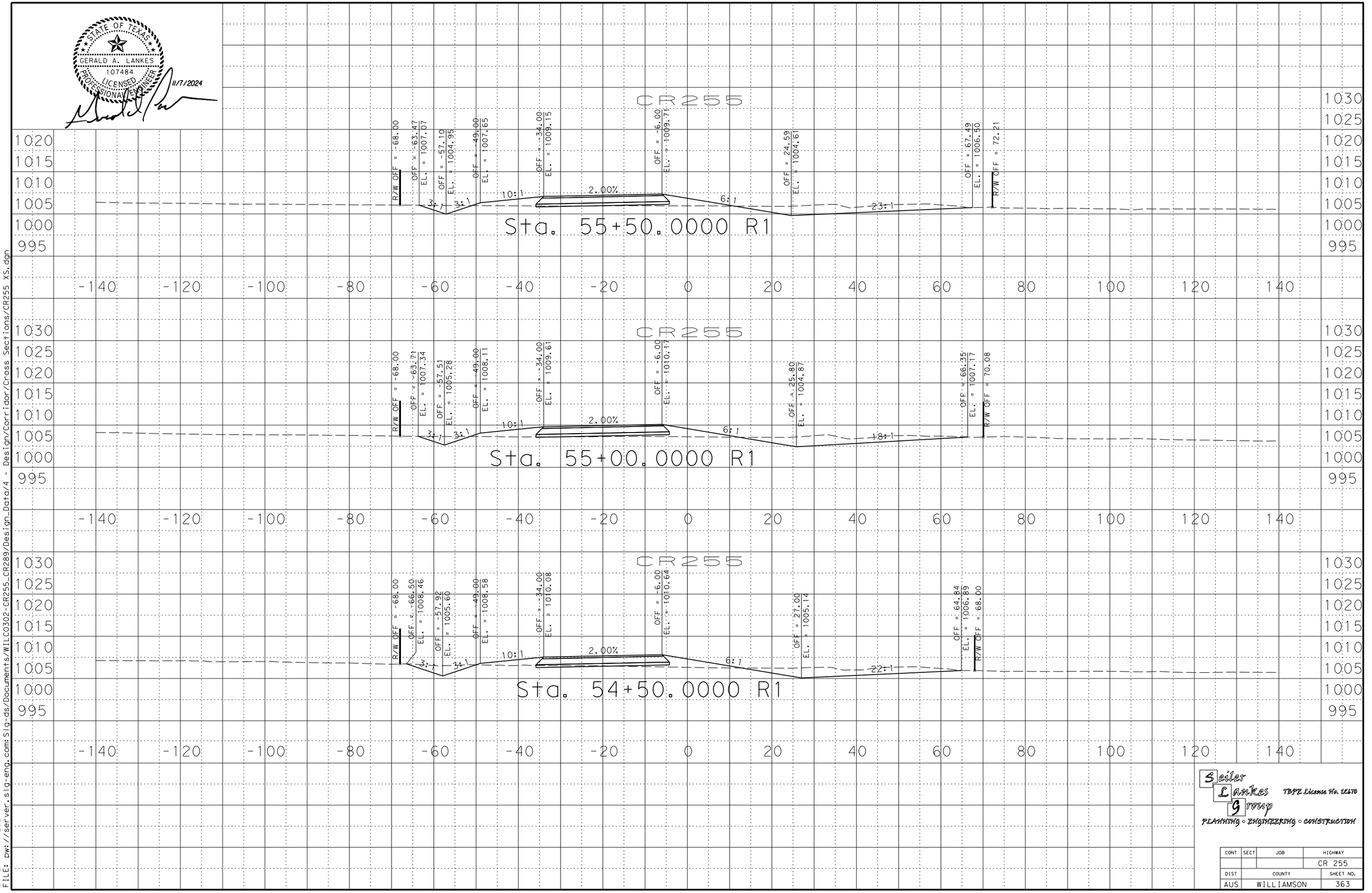

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		363

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STATE OF TEXAS
GERALD A. LANKES
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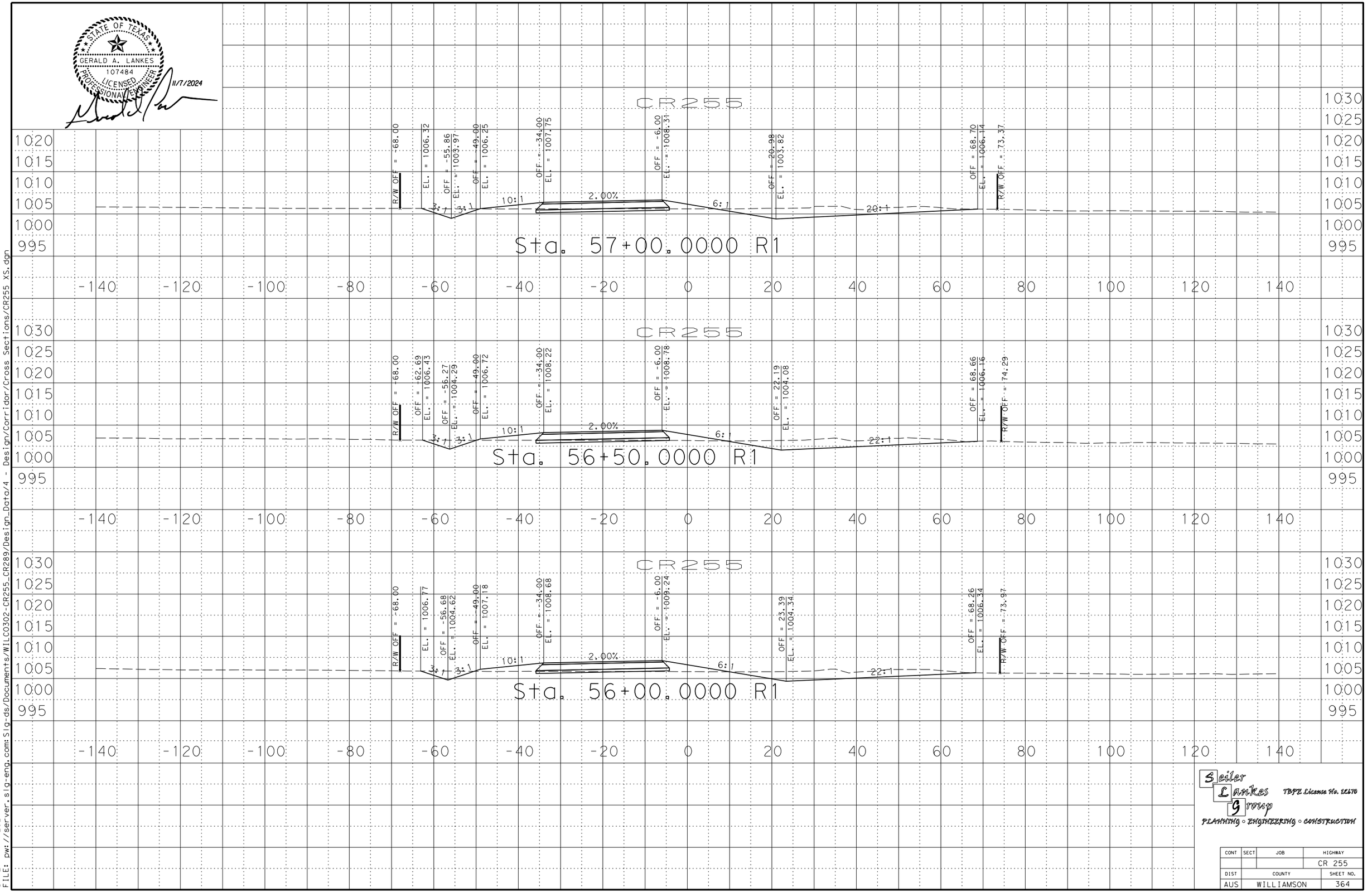
11/7/2024



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		364

DATE: 11/7/2024 12:58
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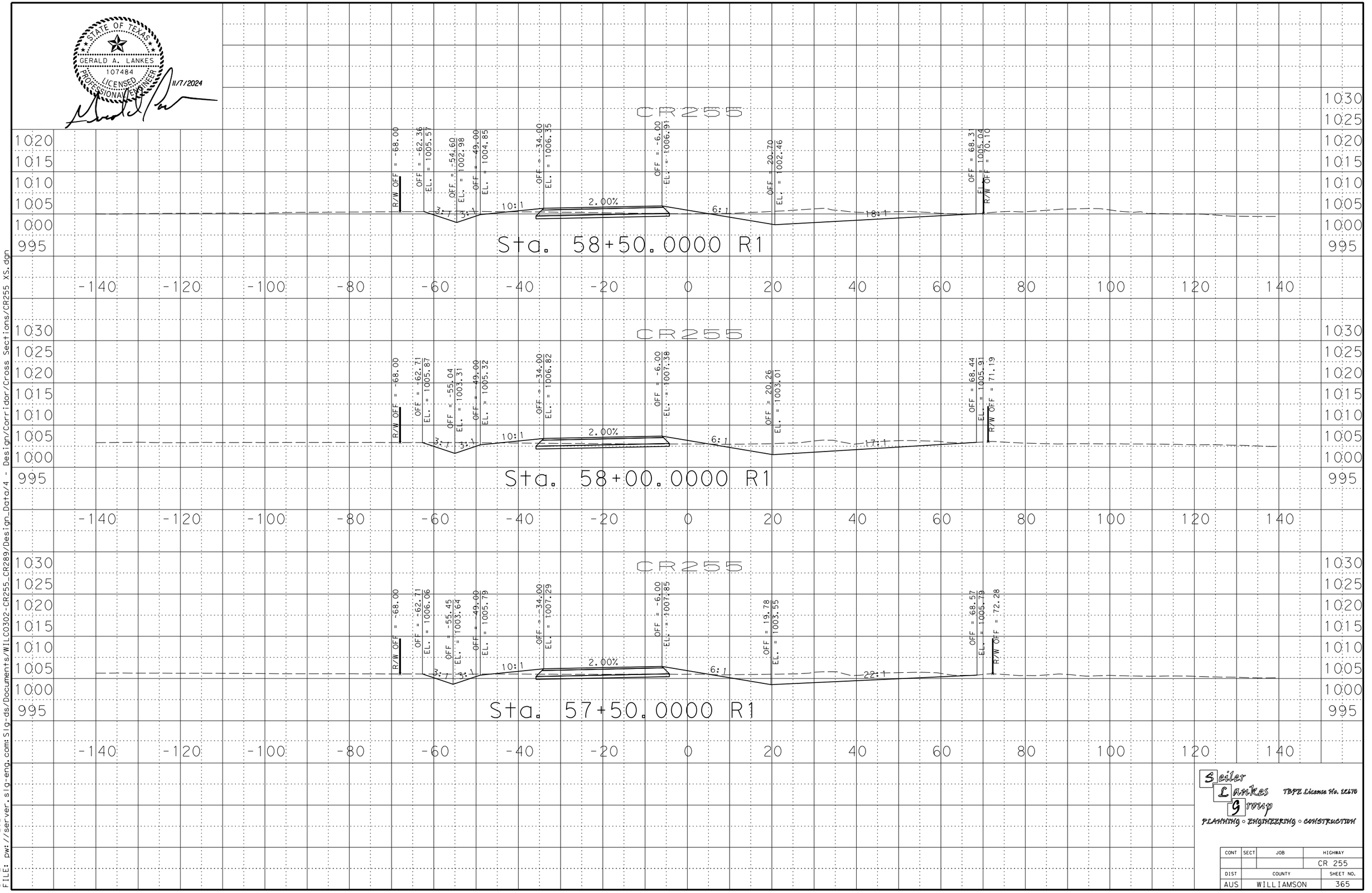

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		365

DATE: 11/7/2024 12:58
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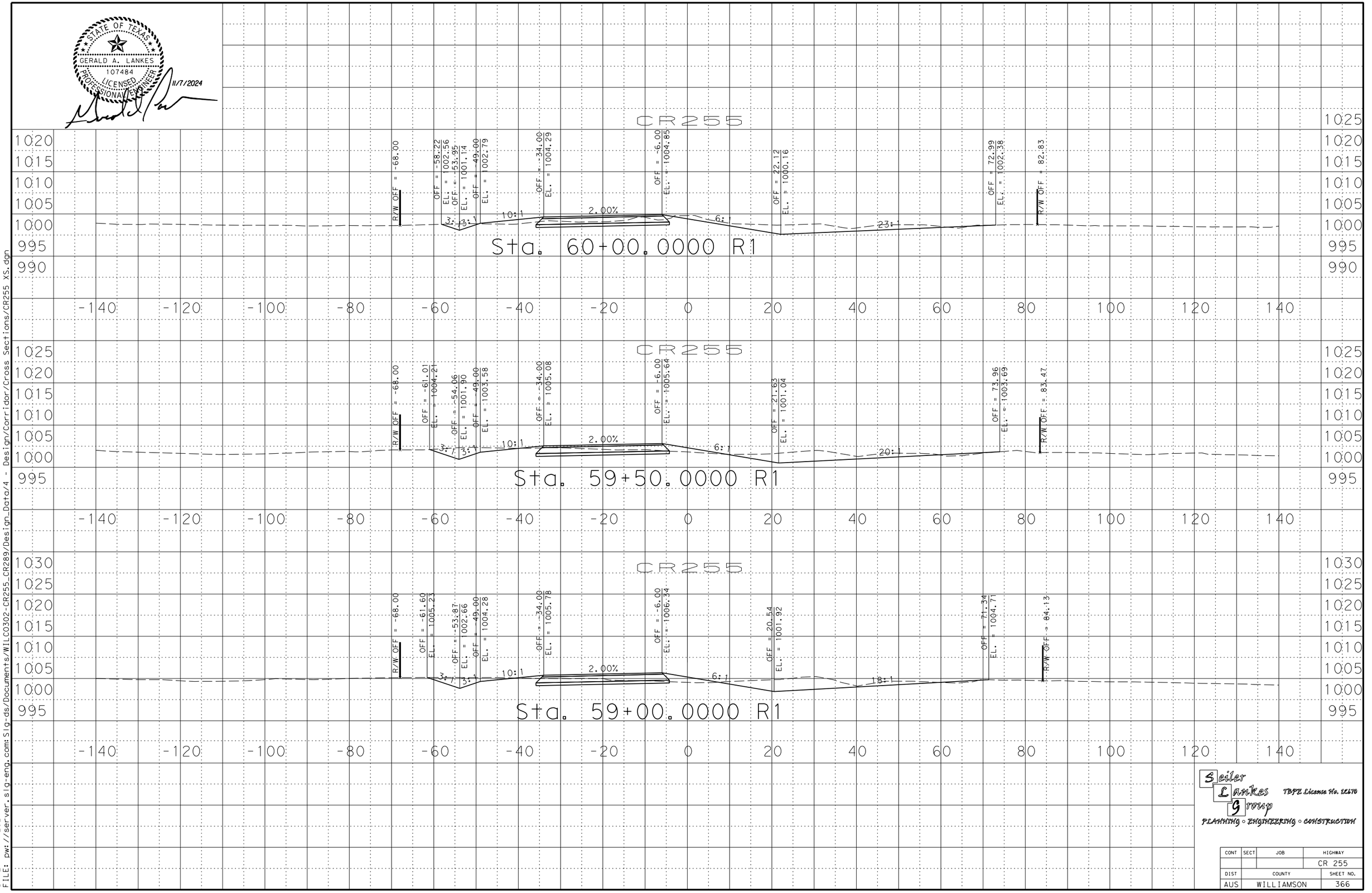

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		366

DATE: 11/7/2024 12:58
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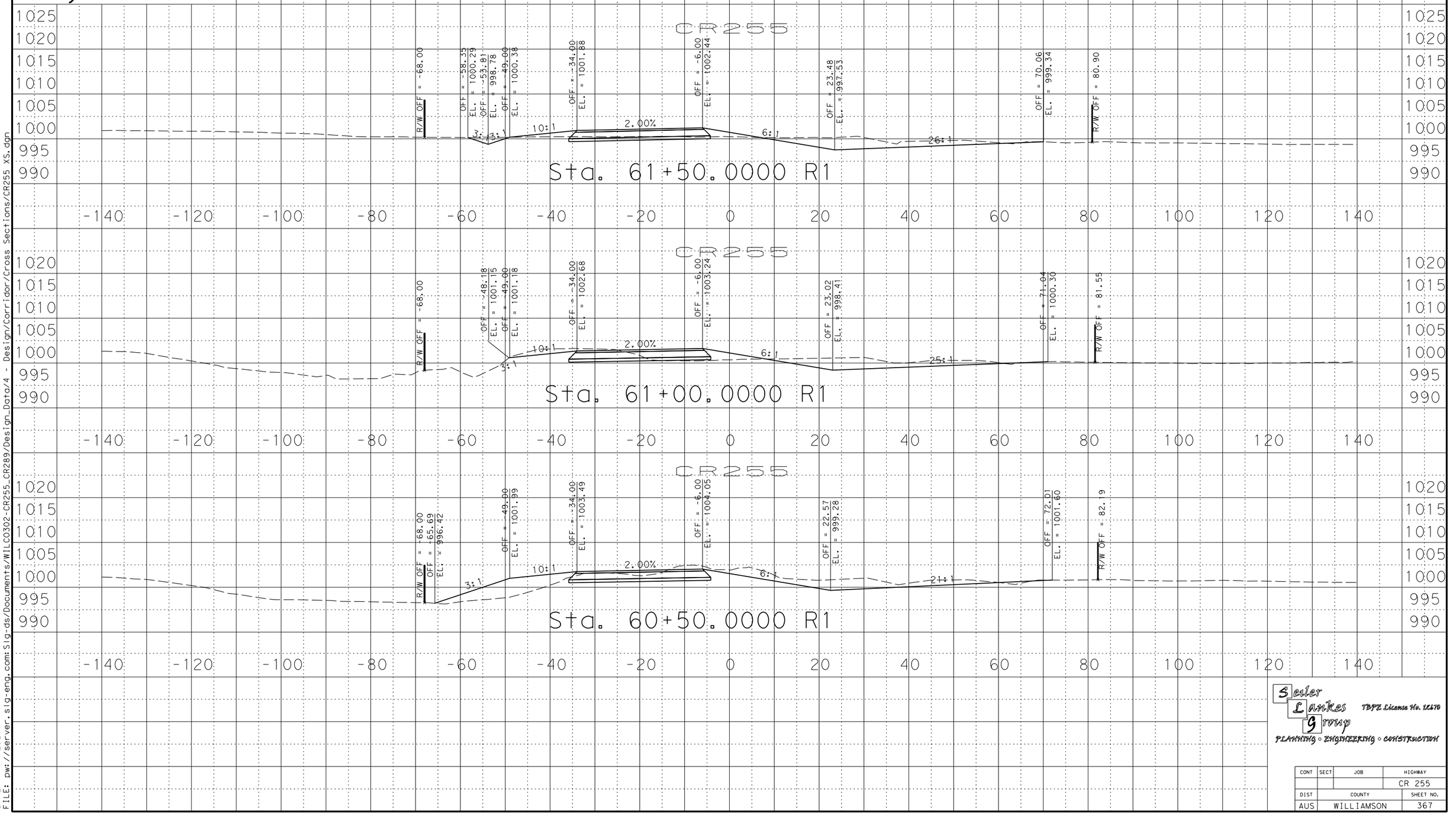

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		367

DATE: 11/7/2024 12:58
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STATE OF TEXAS
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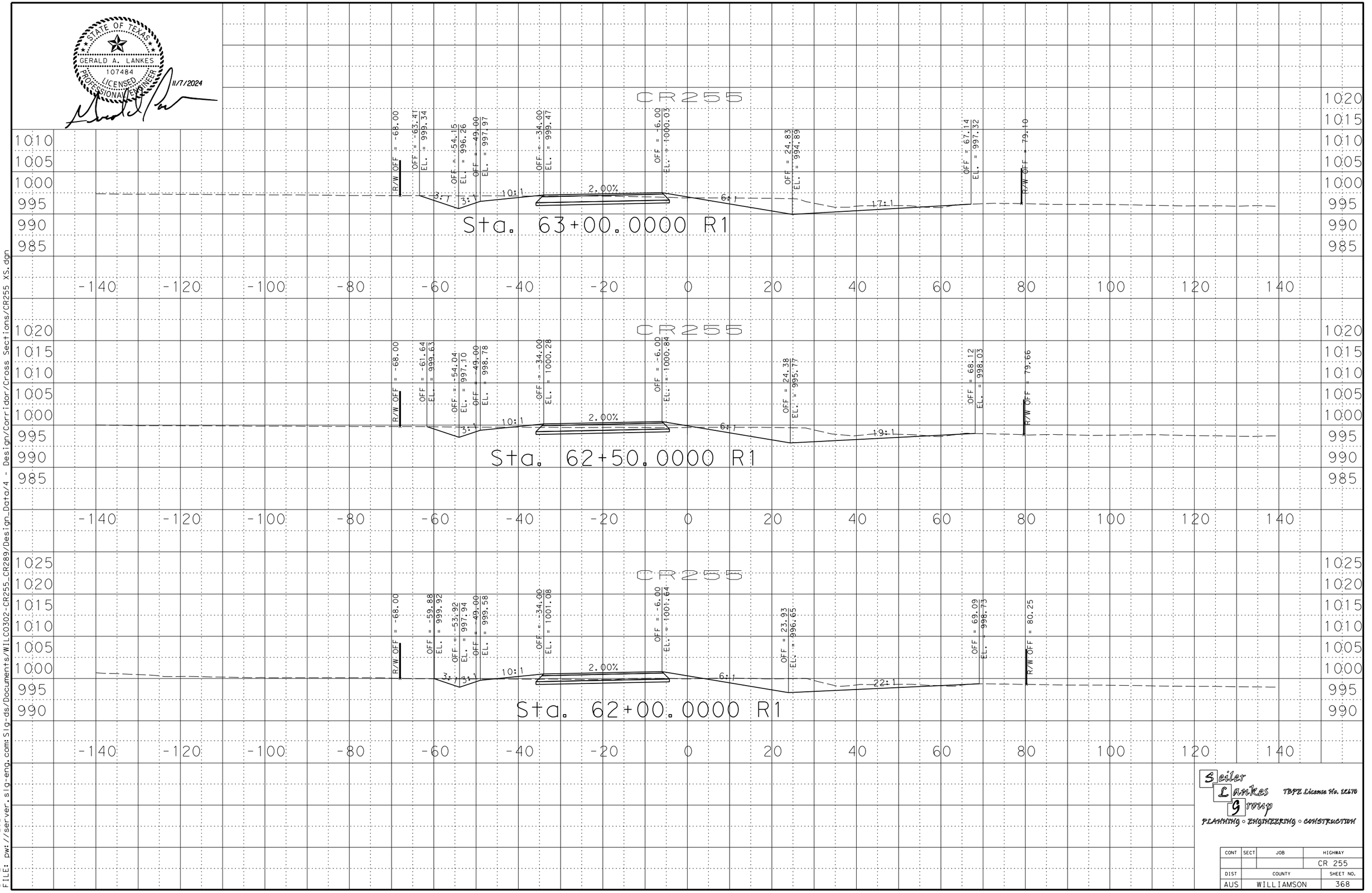

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		368

DATE: 11/7/2024 12:58
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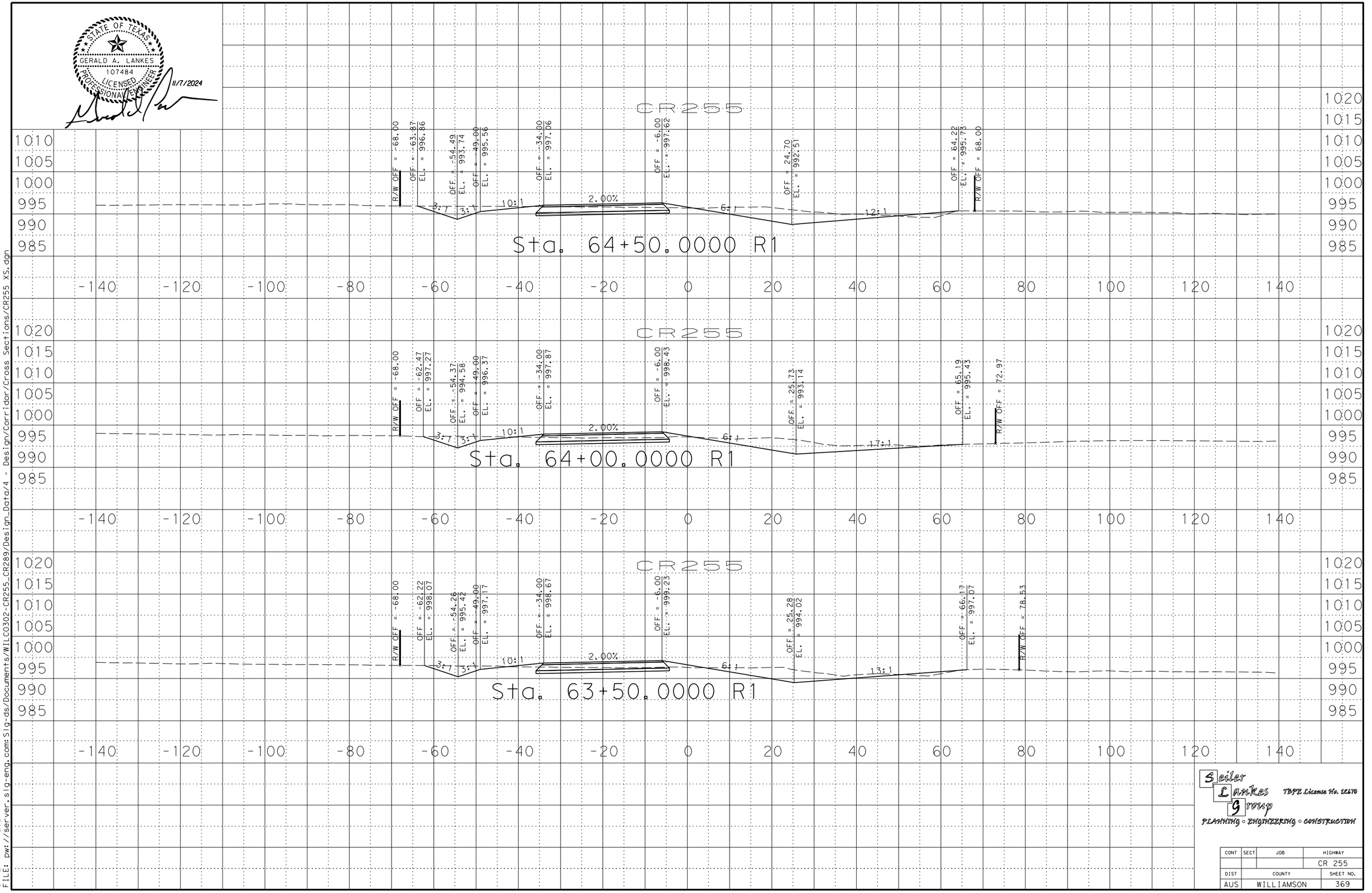

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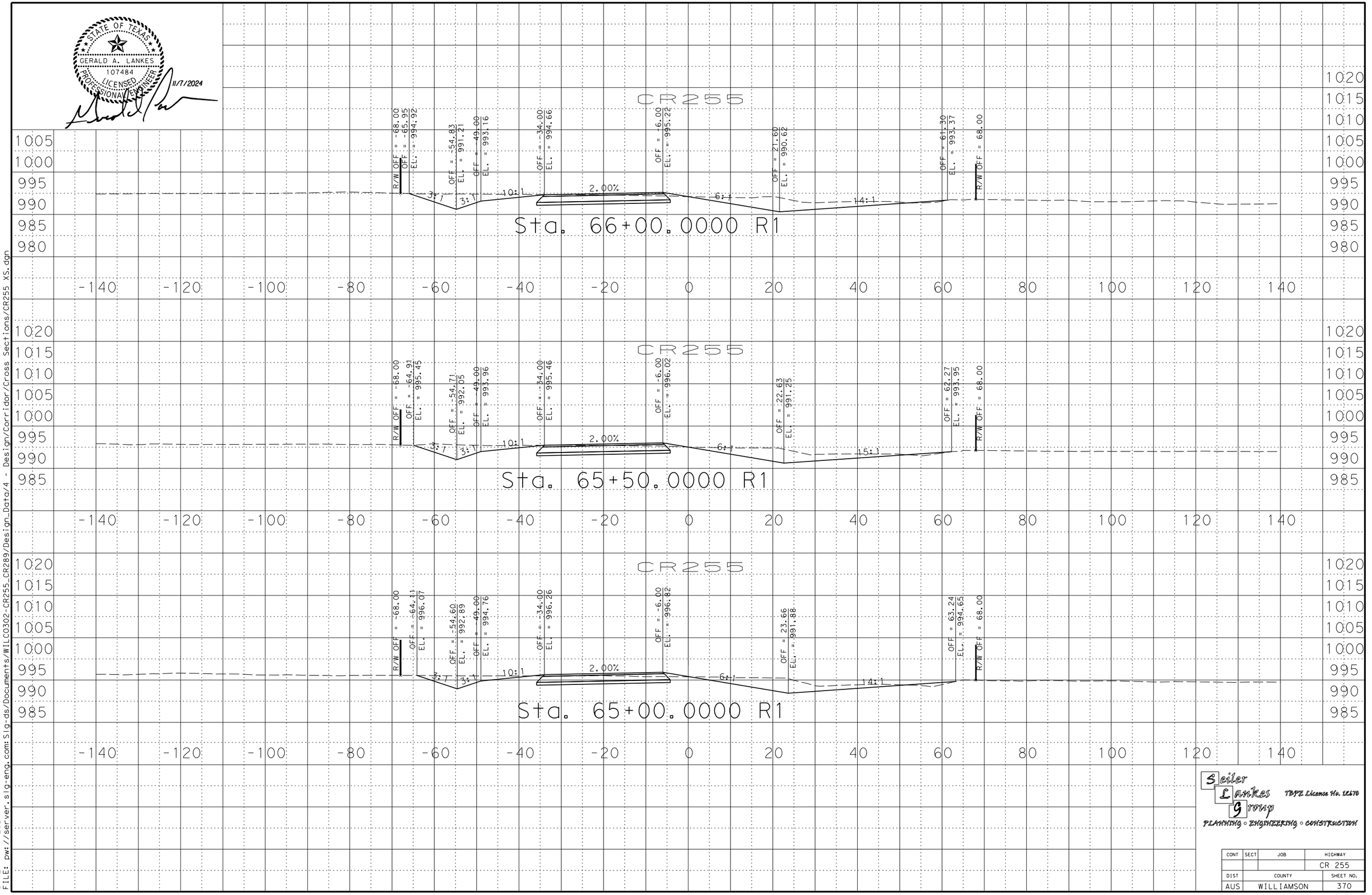
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		369



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		370

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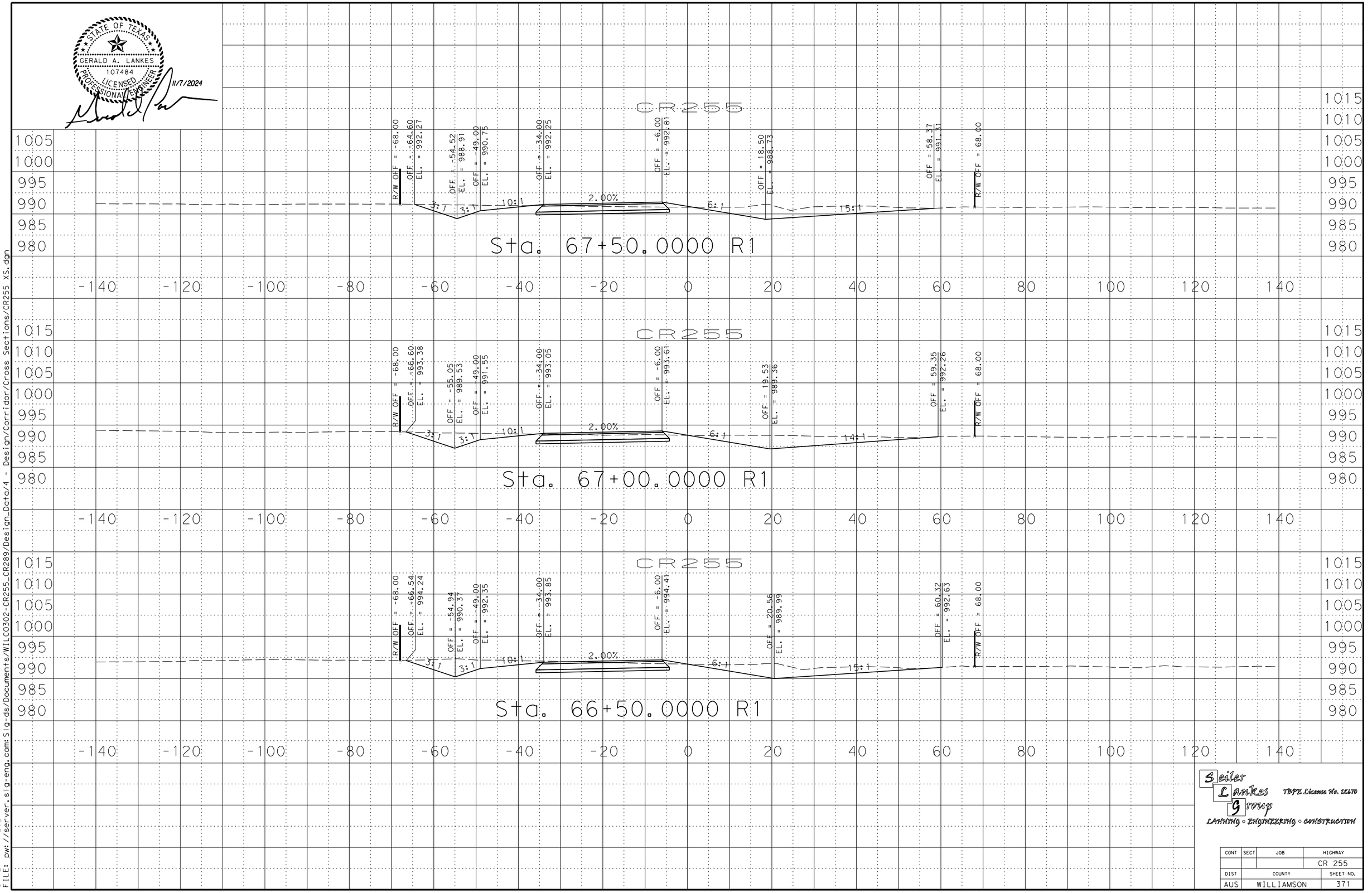

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		371

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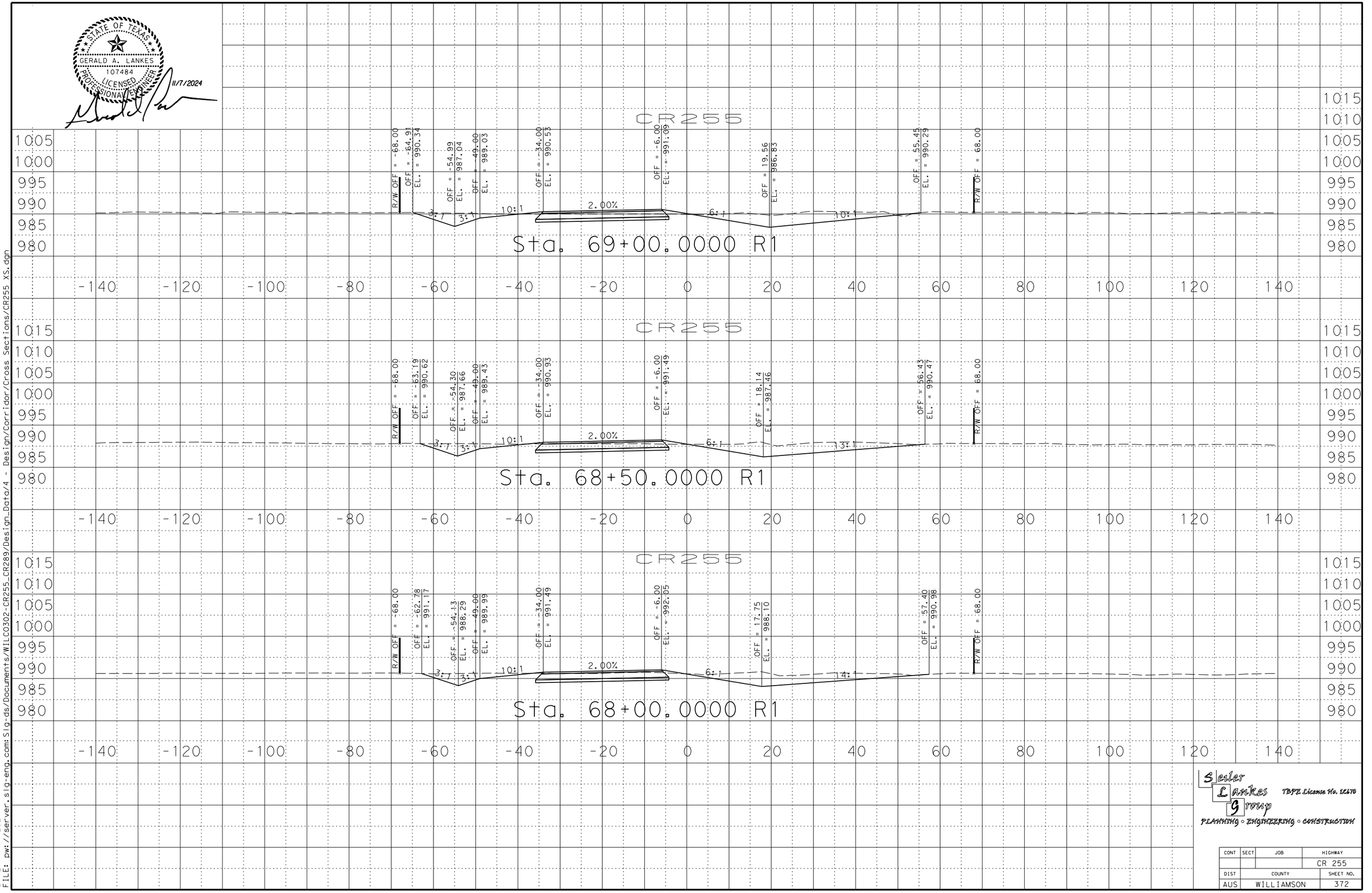

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		372

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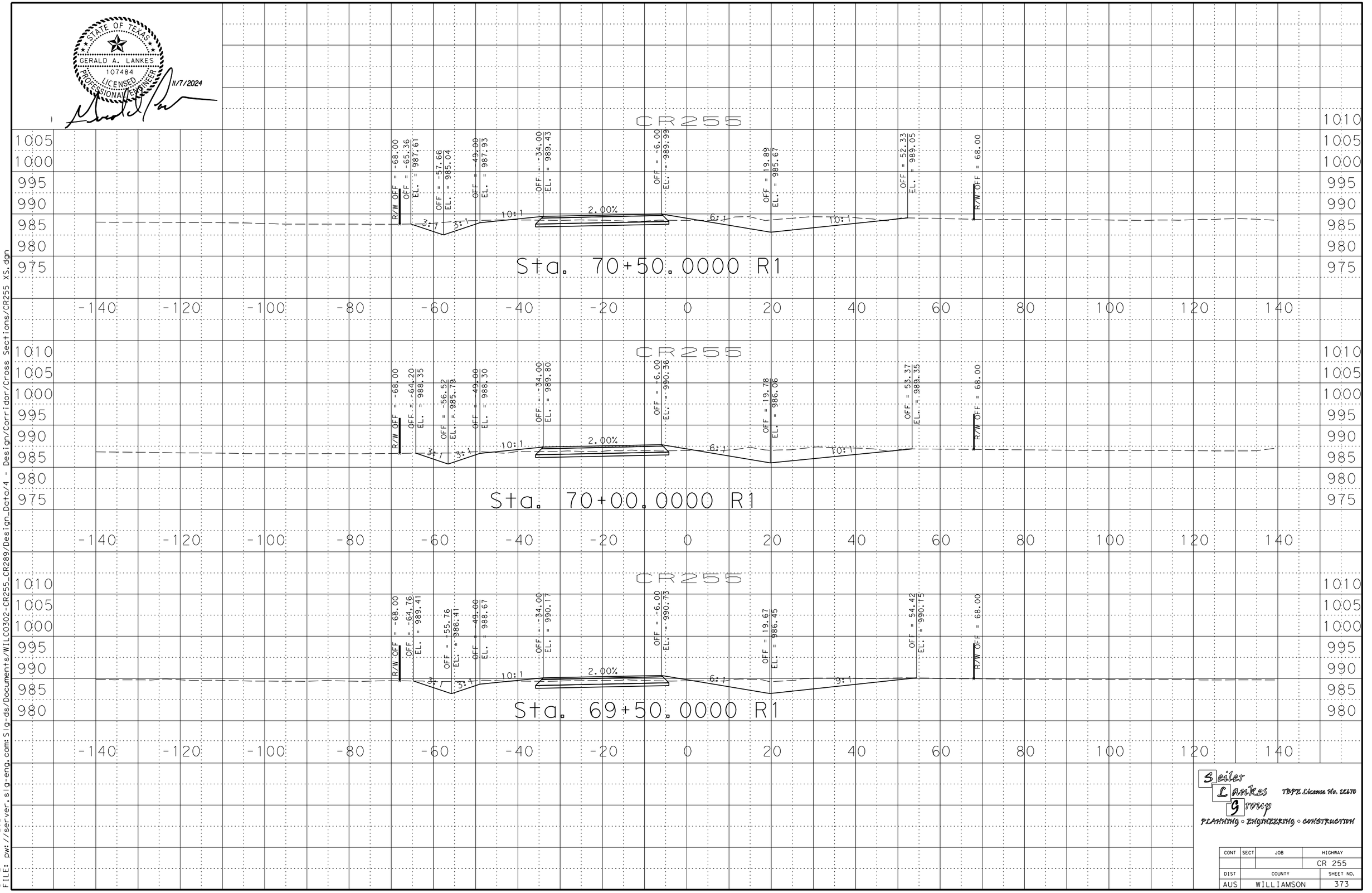

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		373

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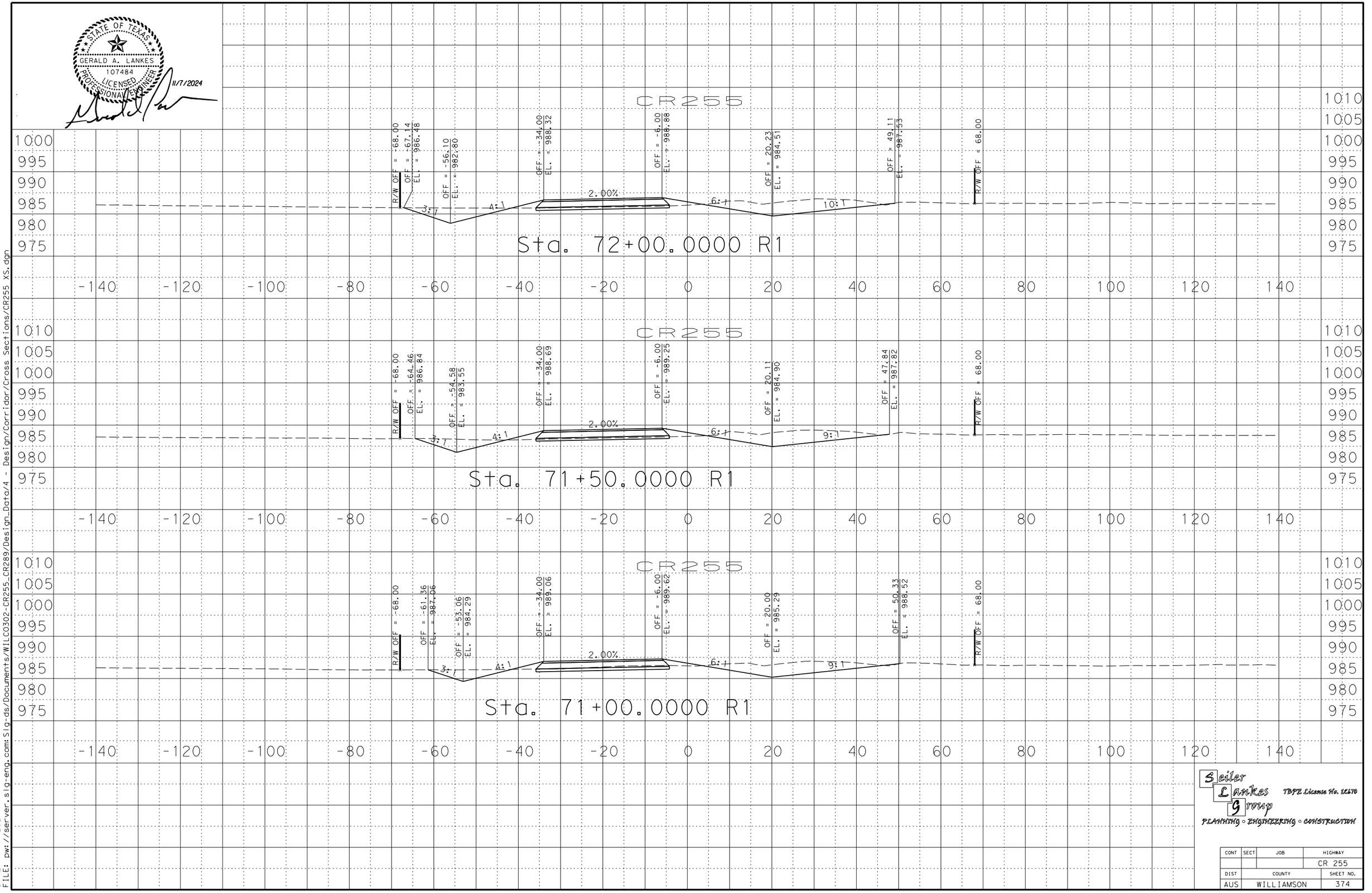

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		374

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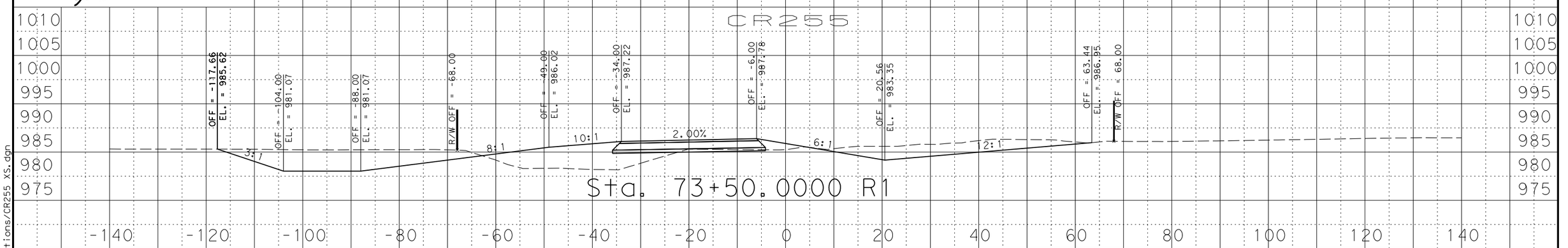

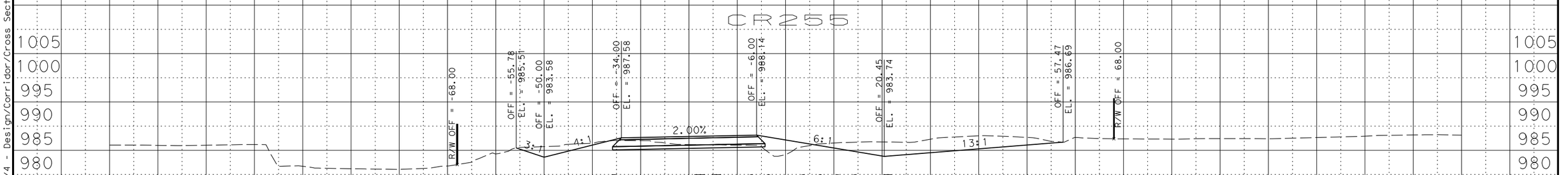

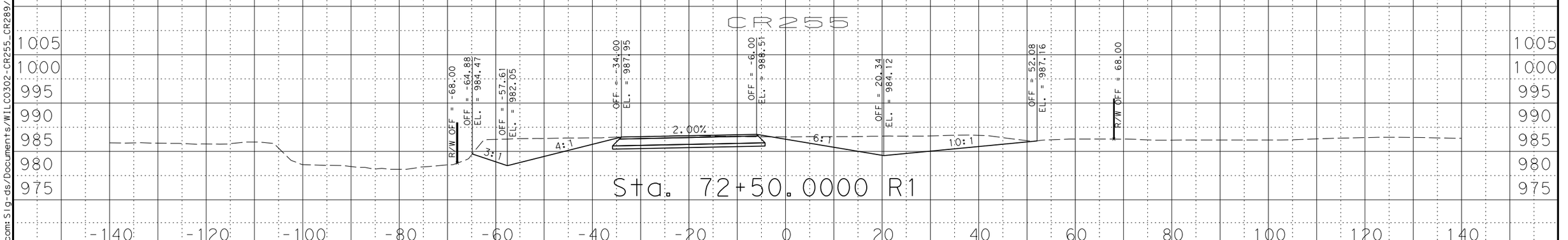

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		375

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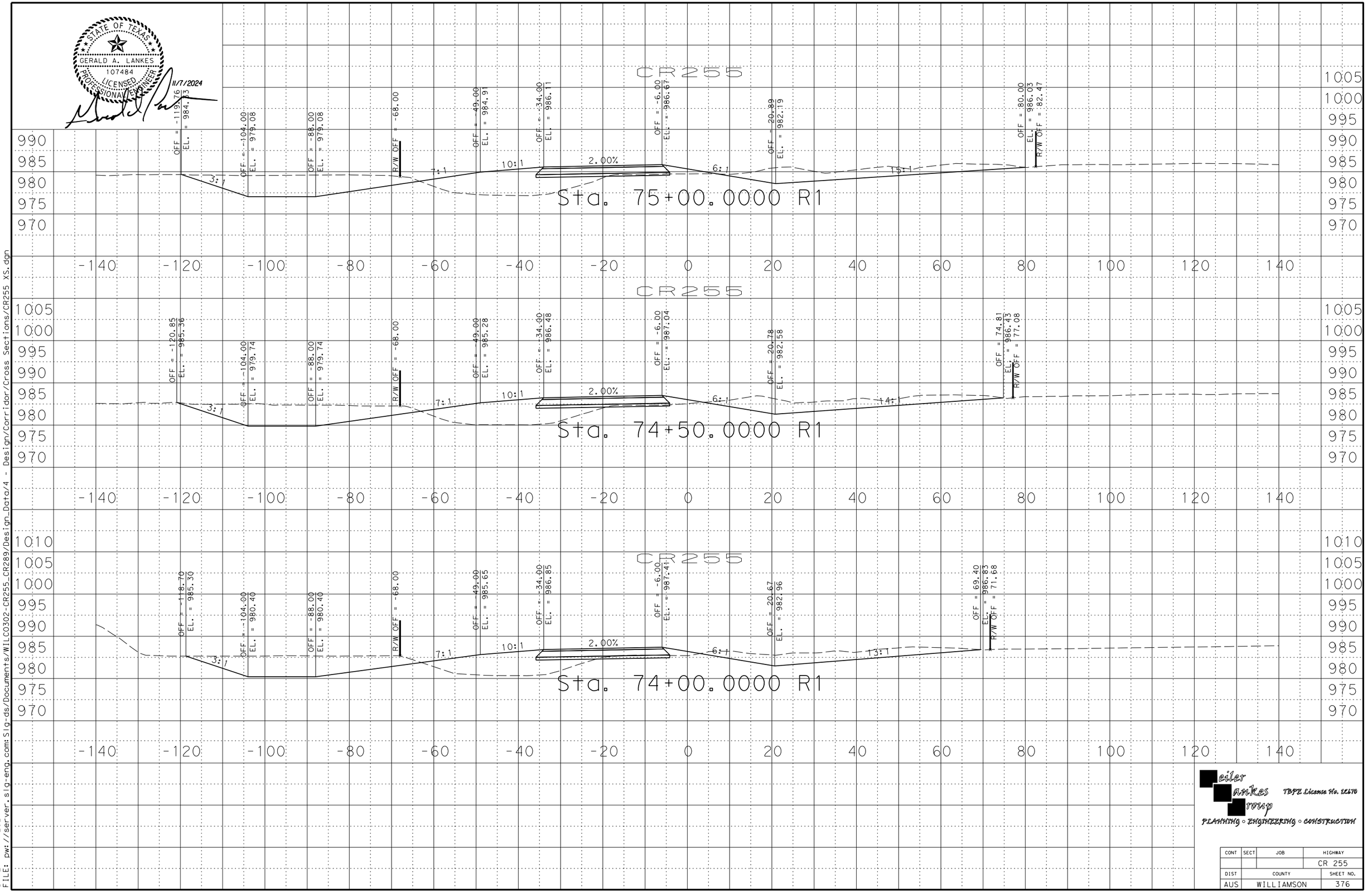

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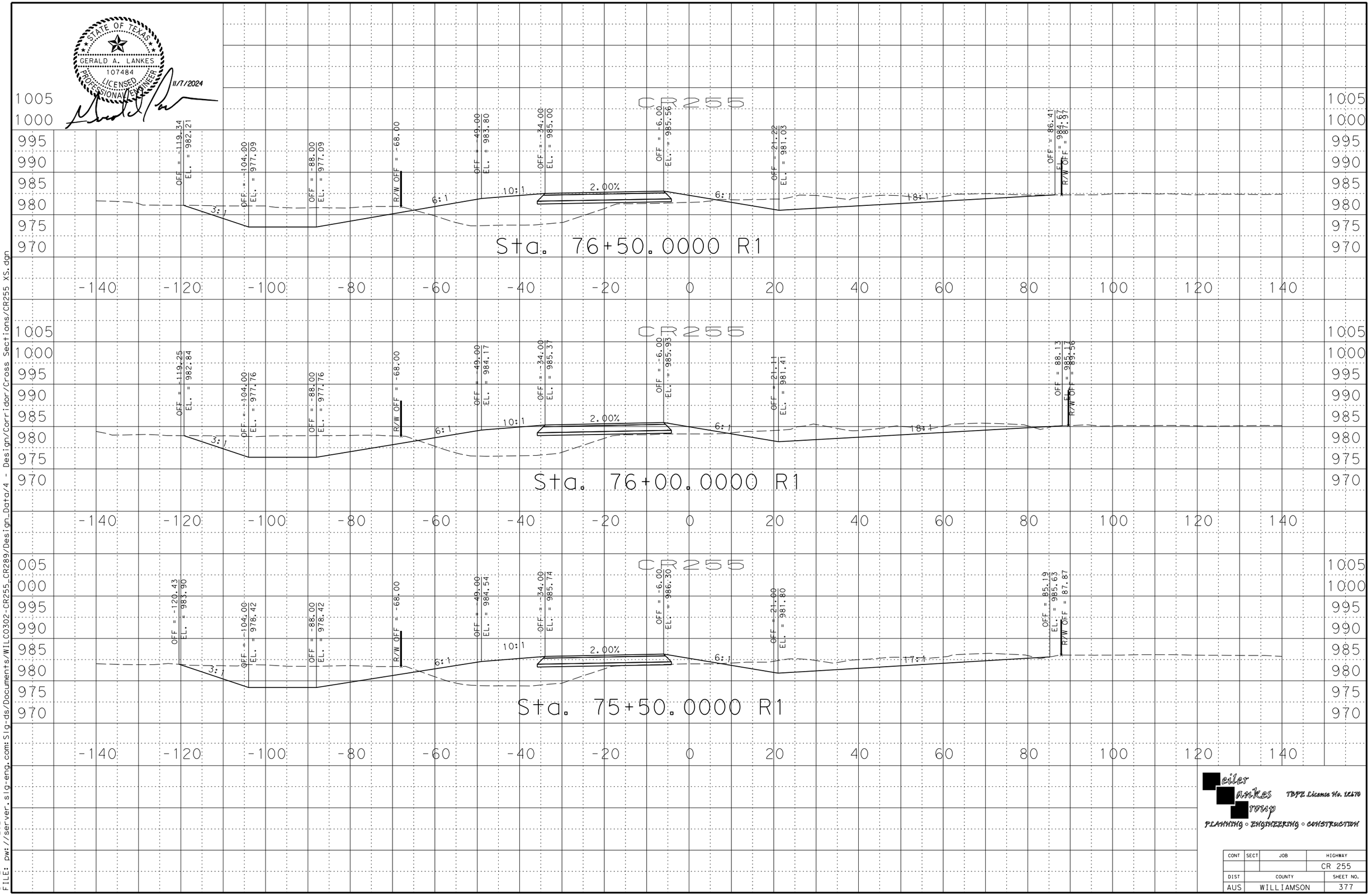
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		376



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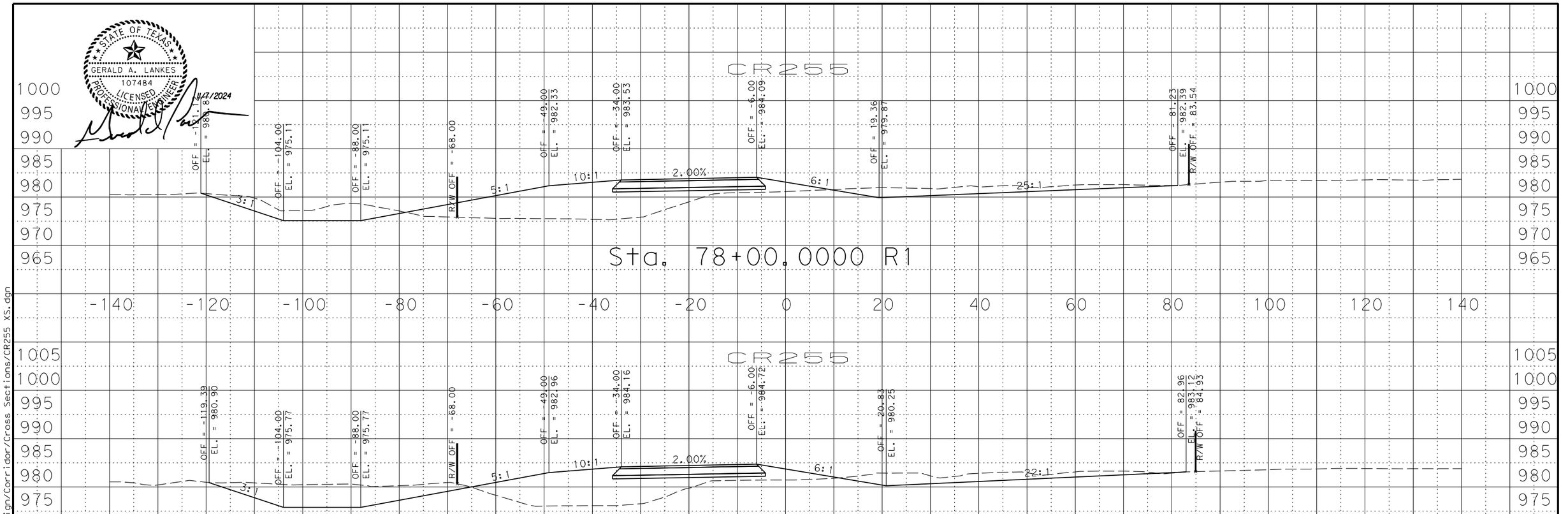
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		377



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CR255

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3:1
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2.00%
6:1
25:1

Sta. 78+00.0000 R1

1000
995
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970
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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		378



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CONT	SECT	JOB	HIGHWAY
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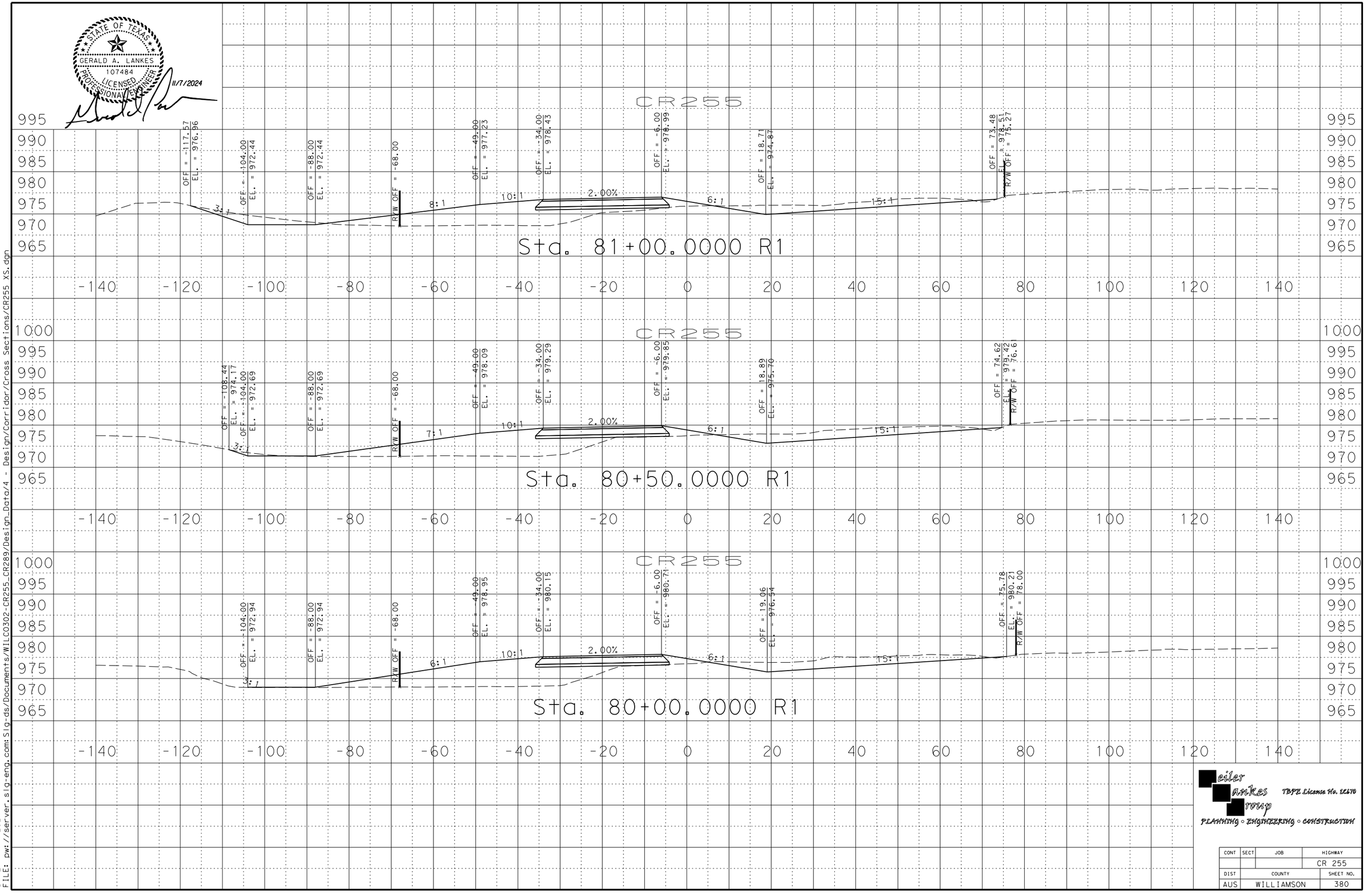
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		379



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST		COUNTY	SHEET NO.
AUS		WILLIAMSON	380

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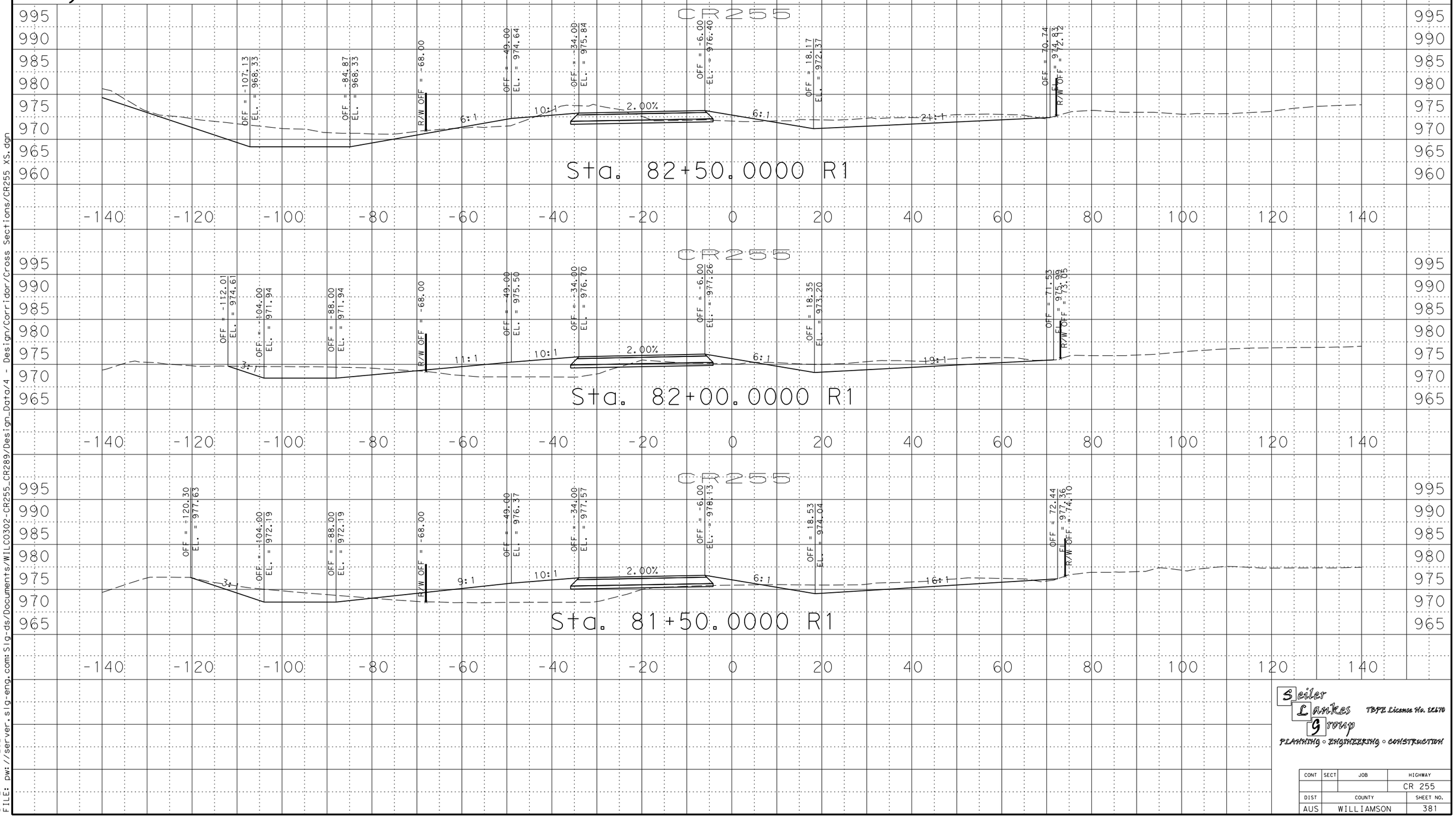

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		381

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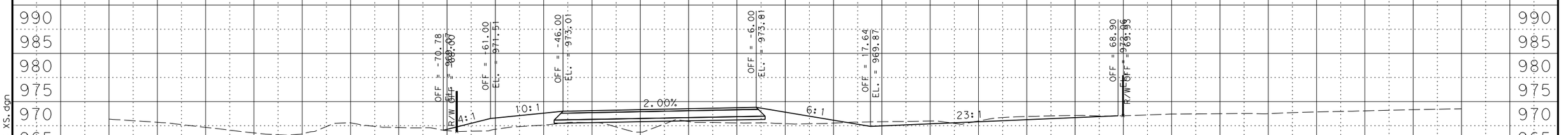

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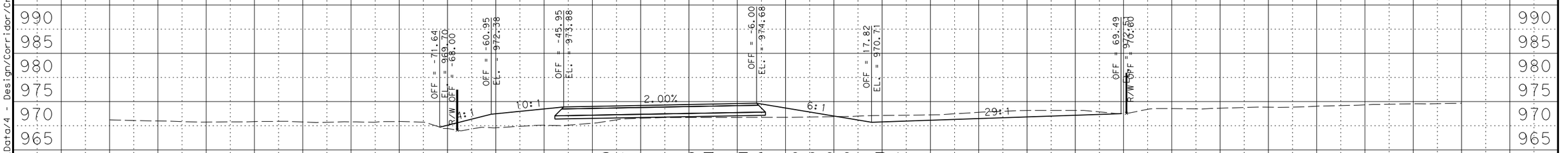

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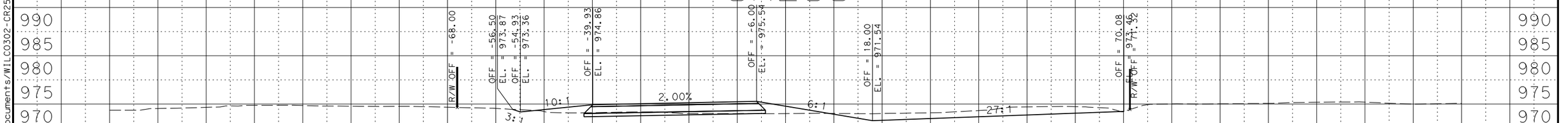

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		382

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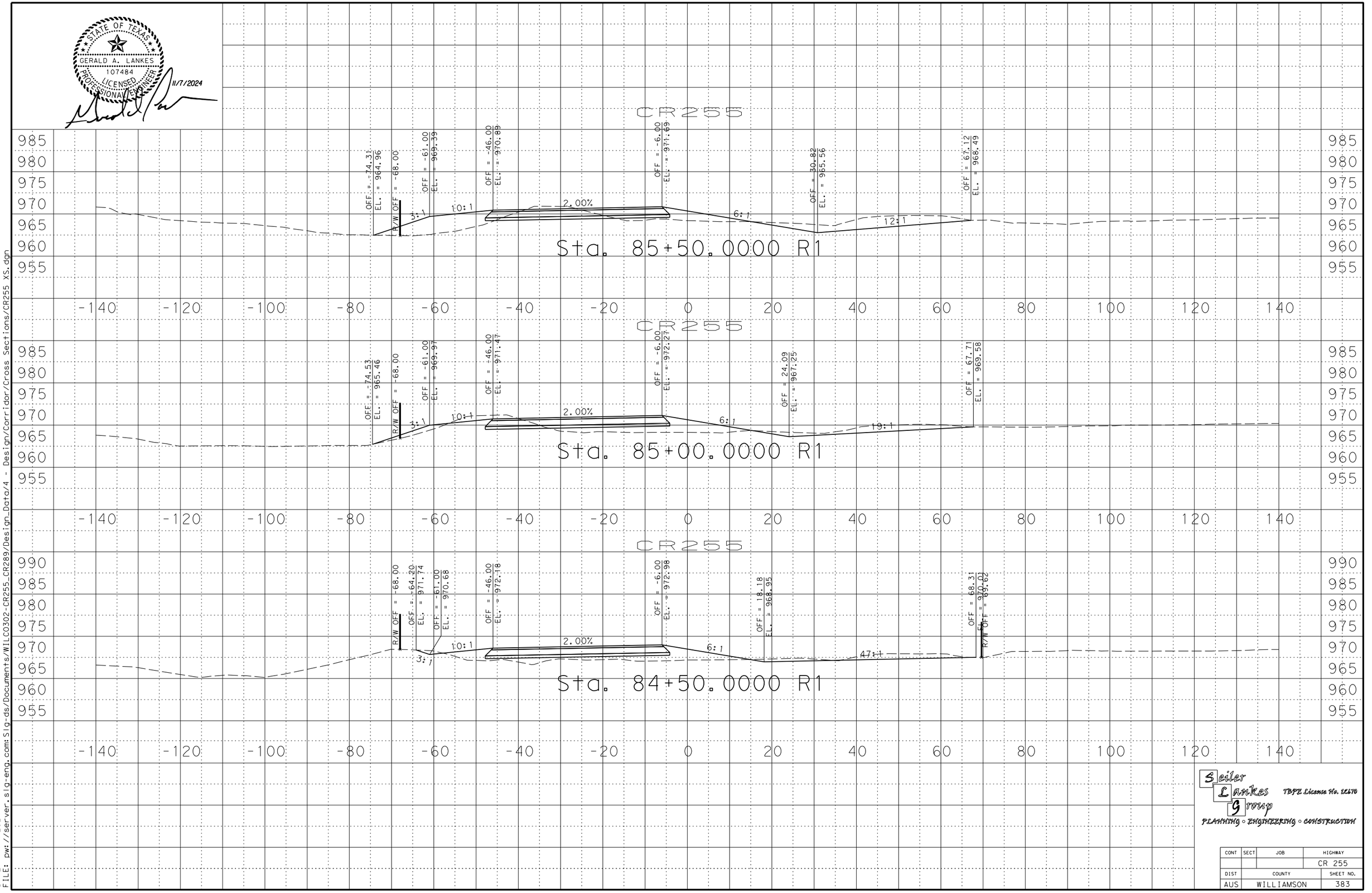

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		383

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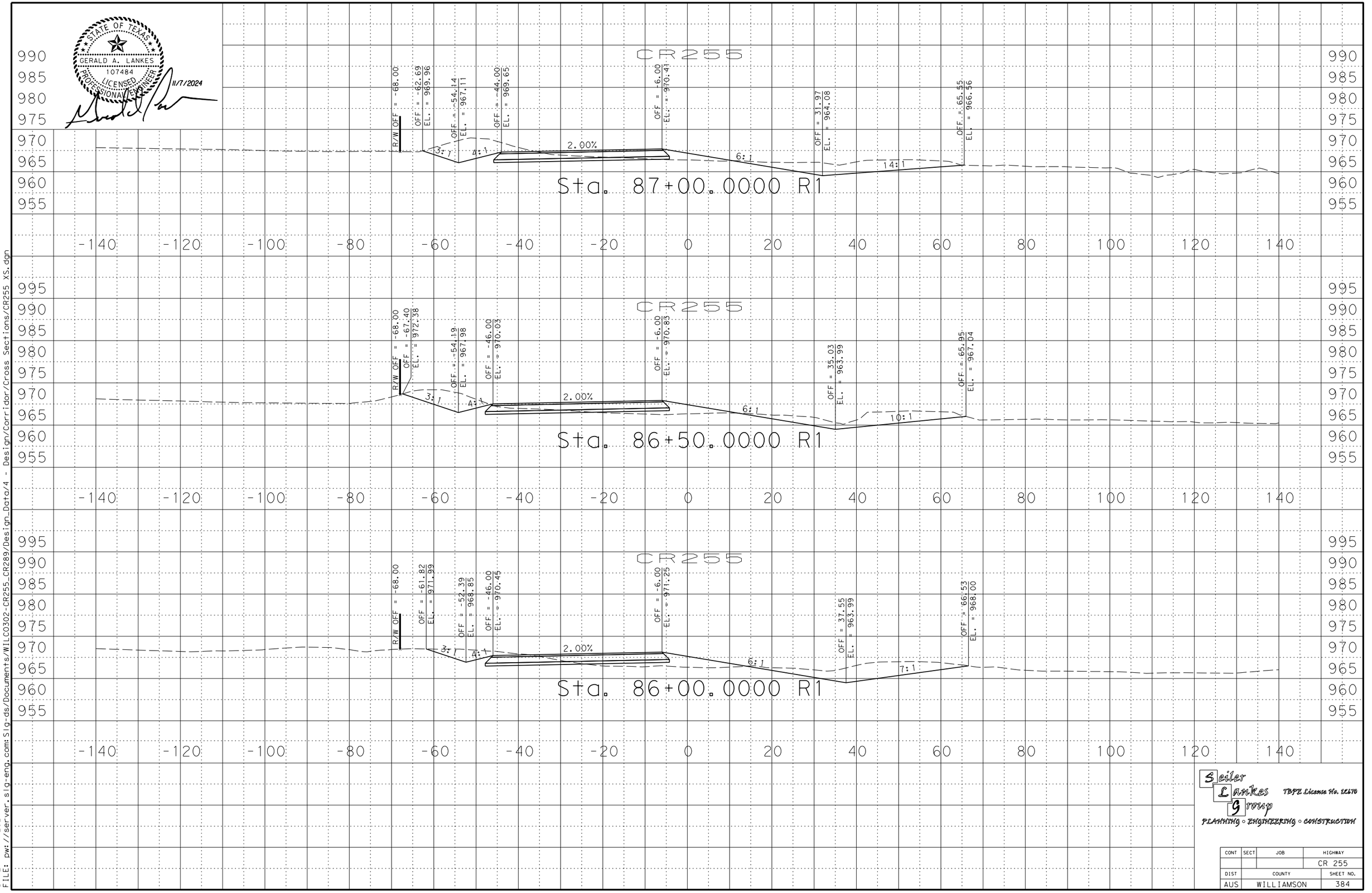

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		384

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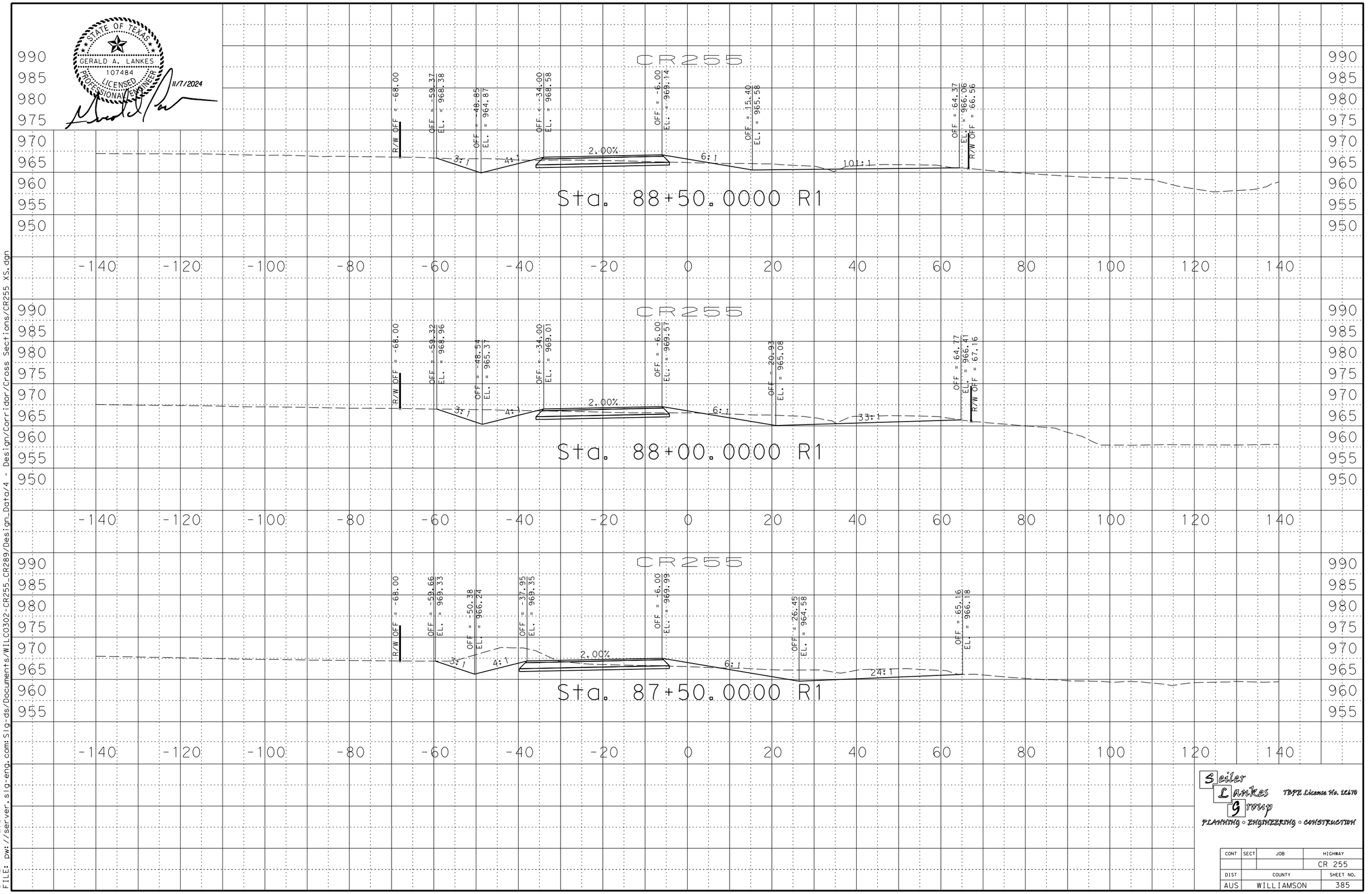

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		385

DATE: 11/7/2024 12:58
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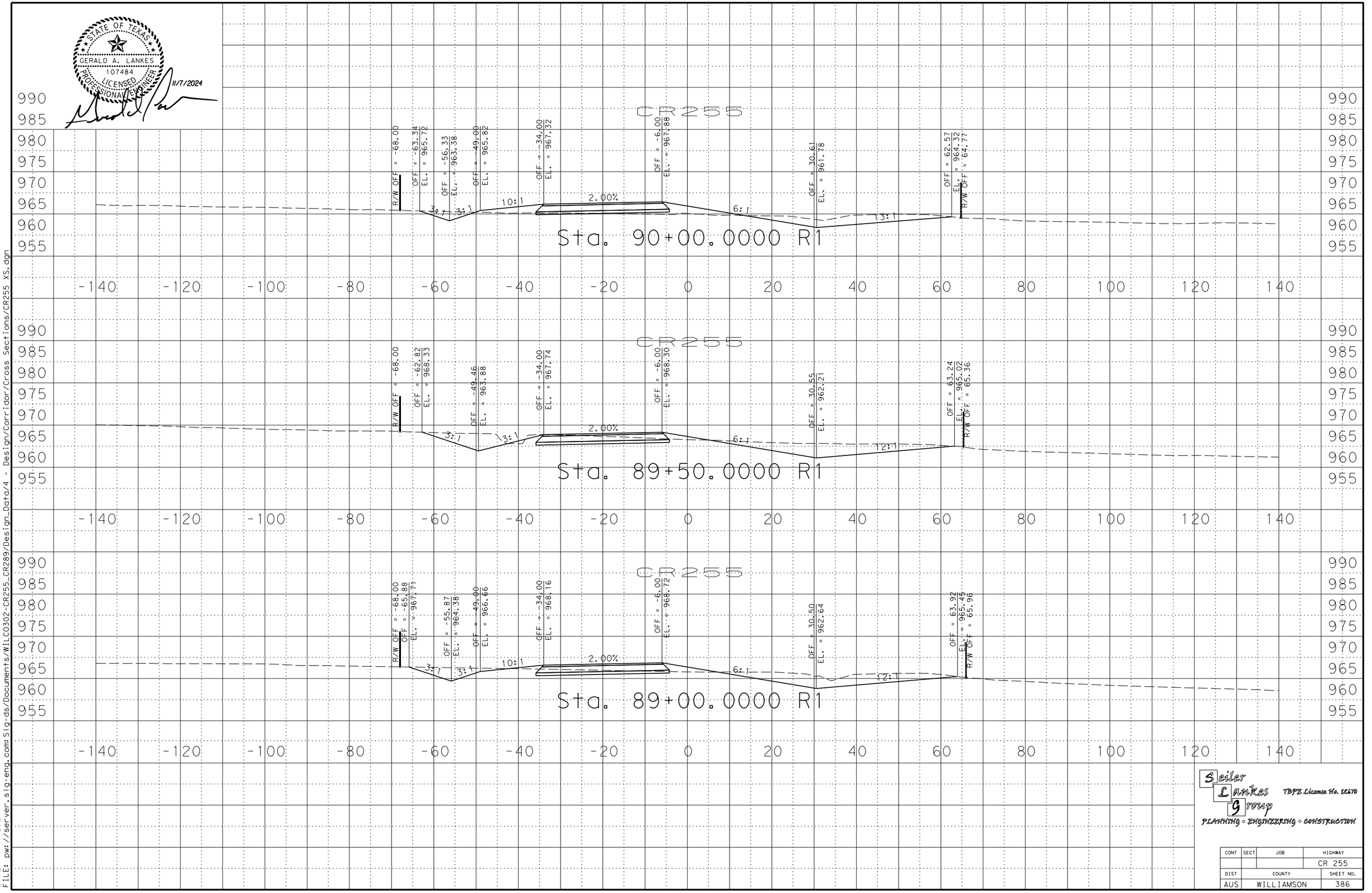

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		386

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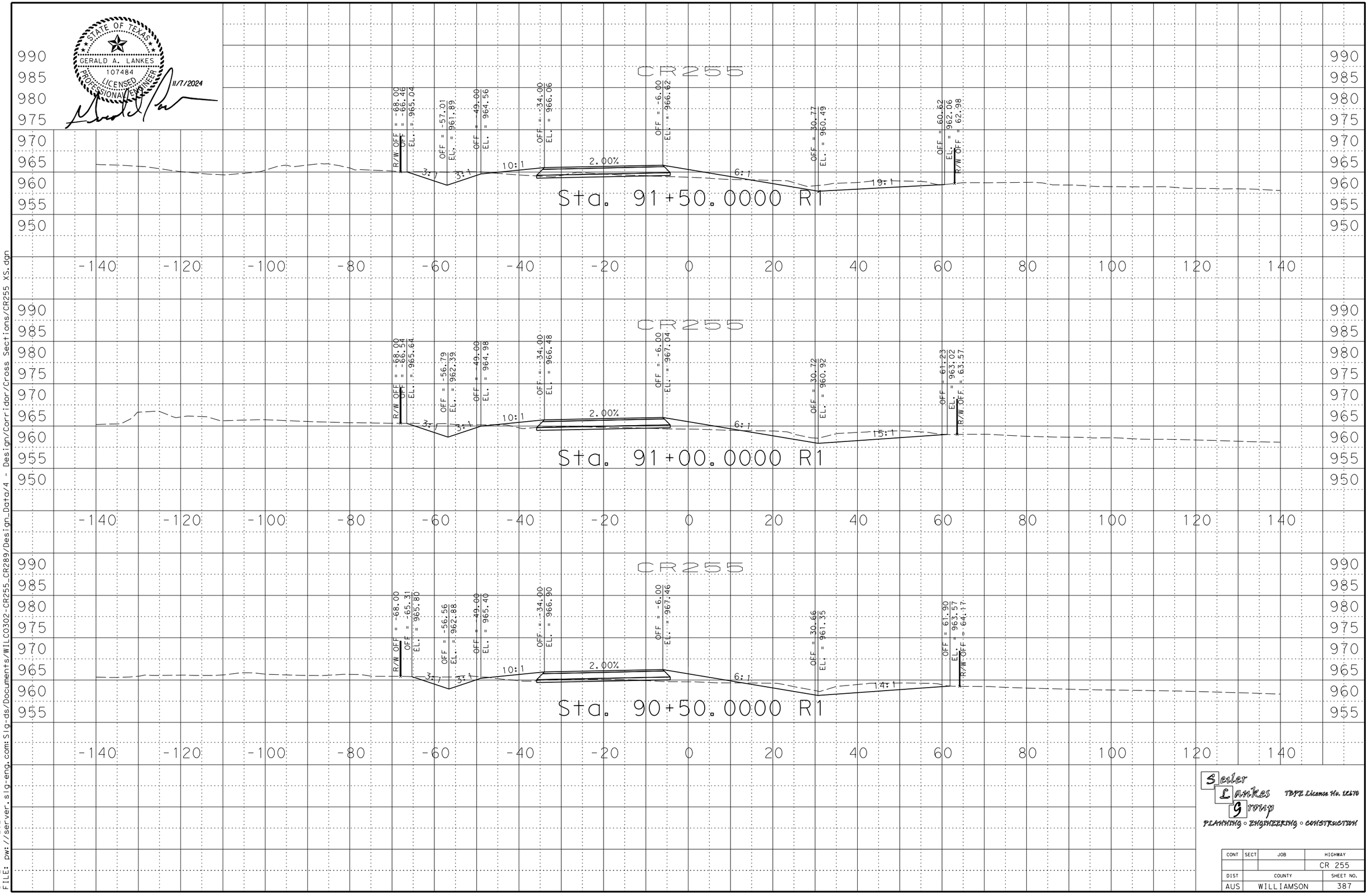

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		387

DATE: 11/7/2024 12:58
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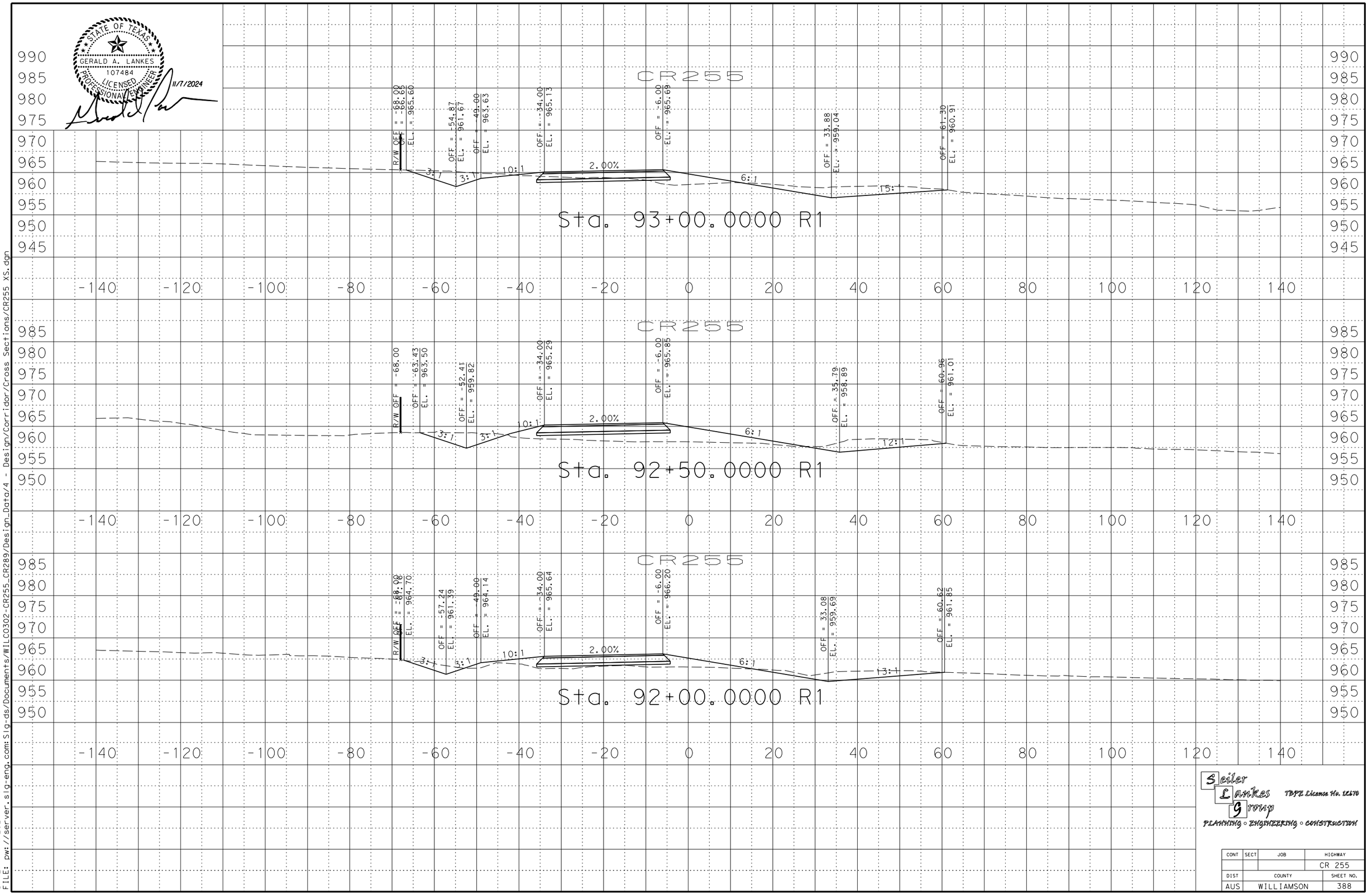

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		388

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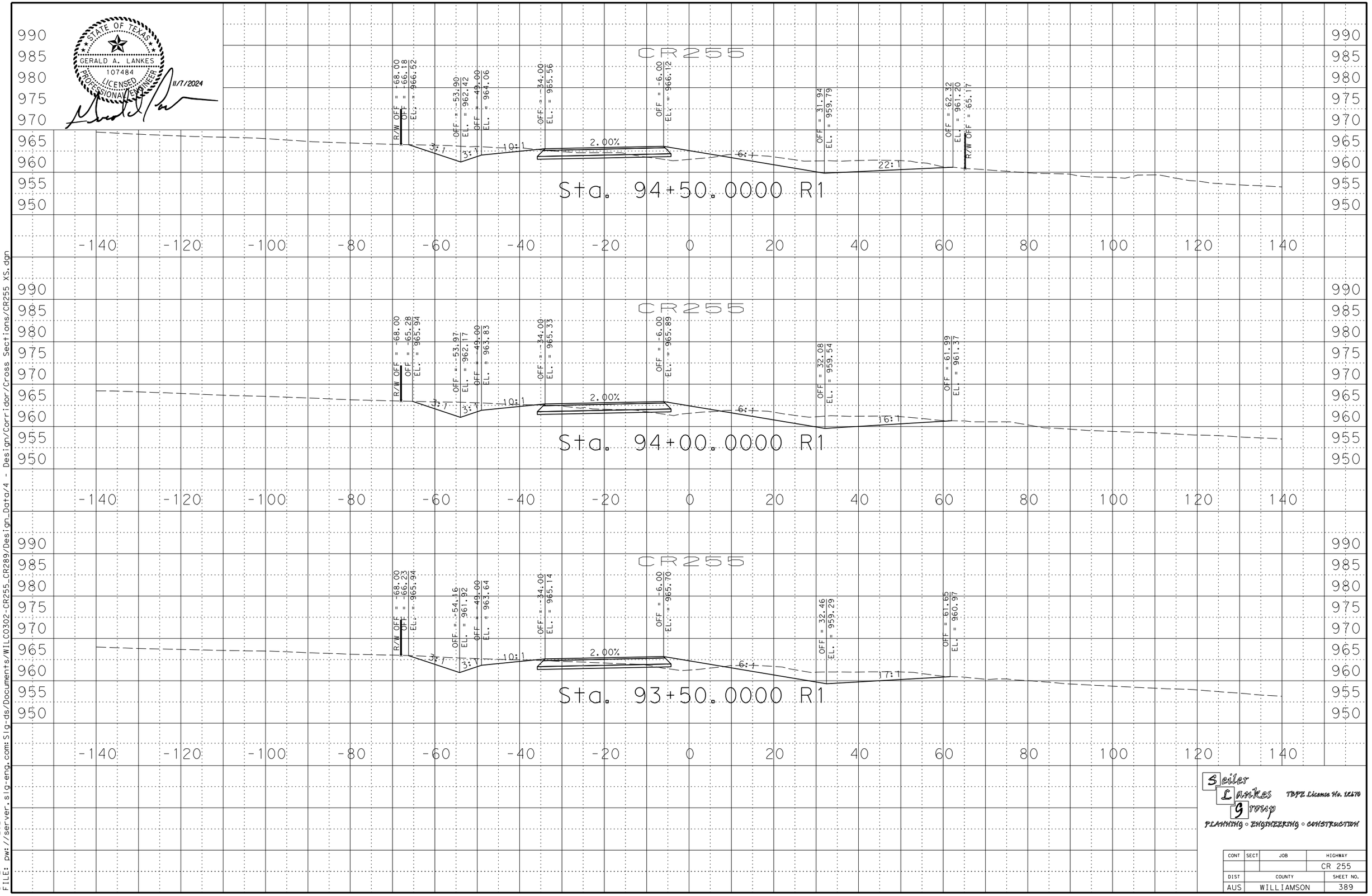

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		389

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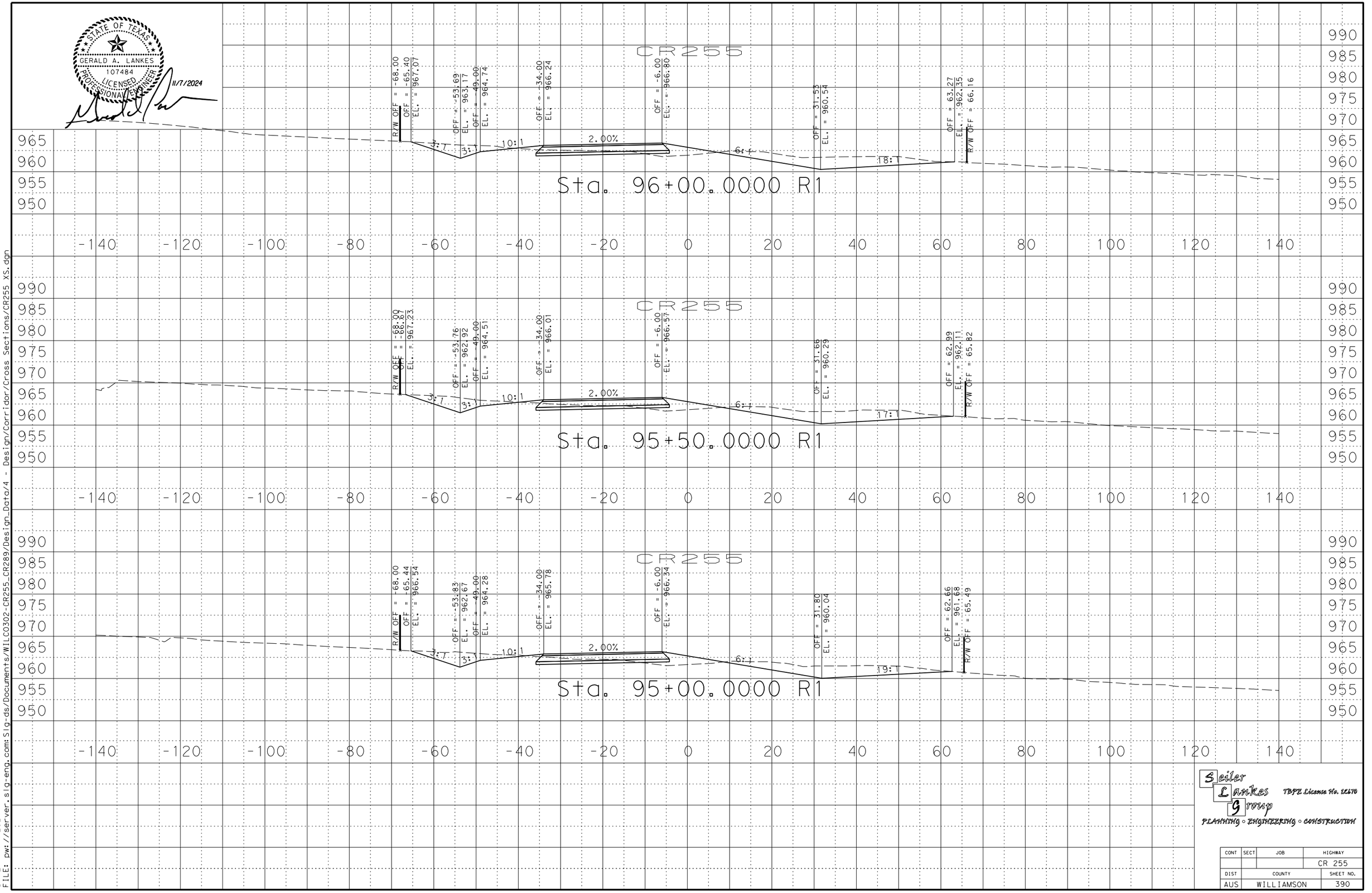

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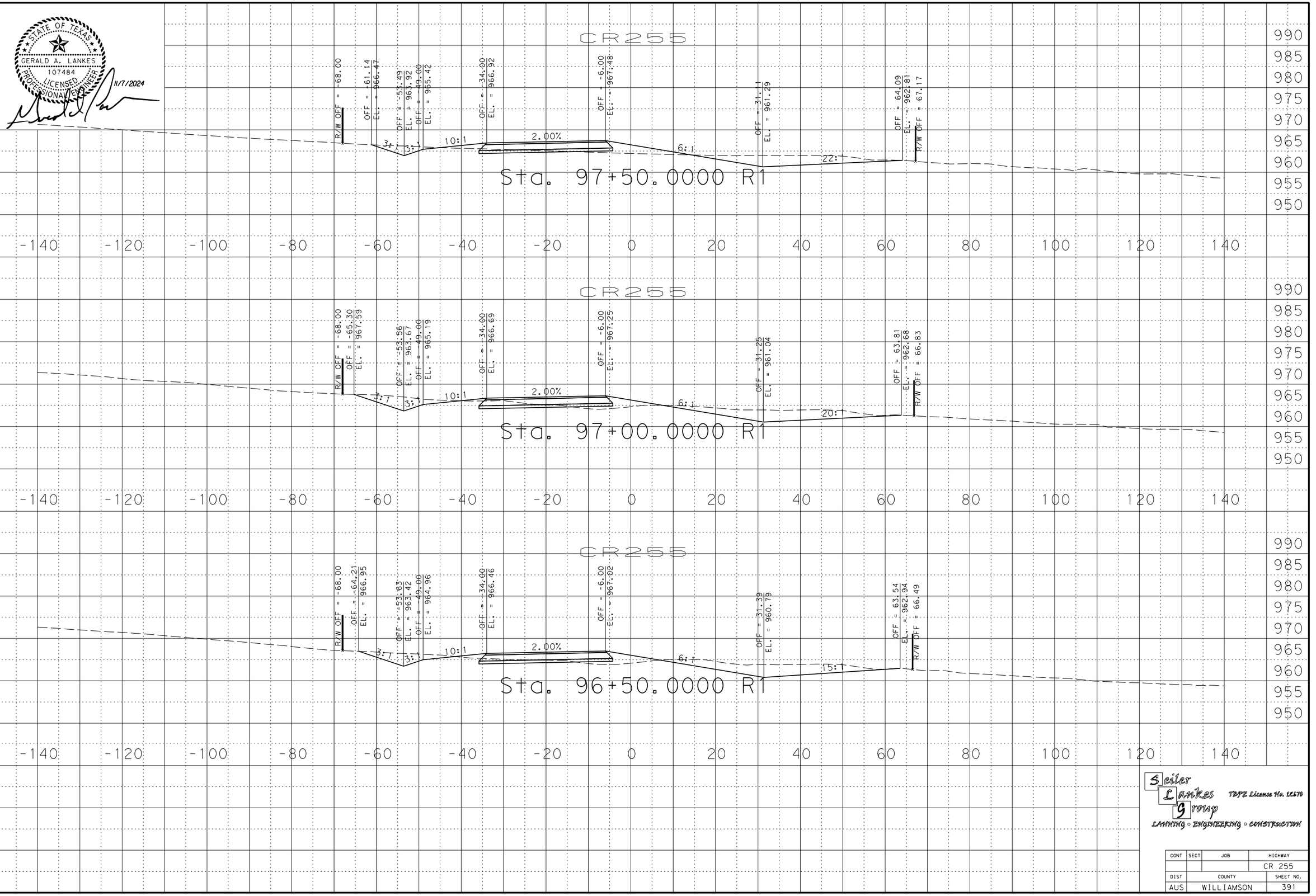
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		390



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		391

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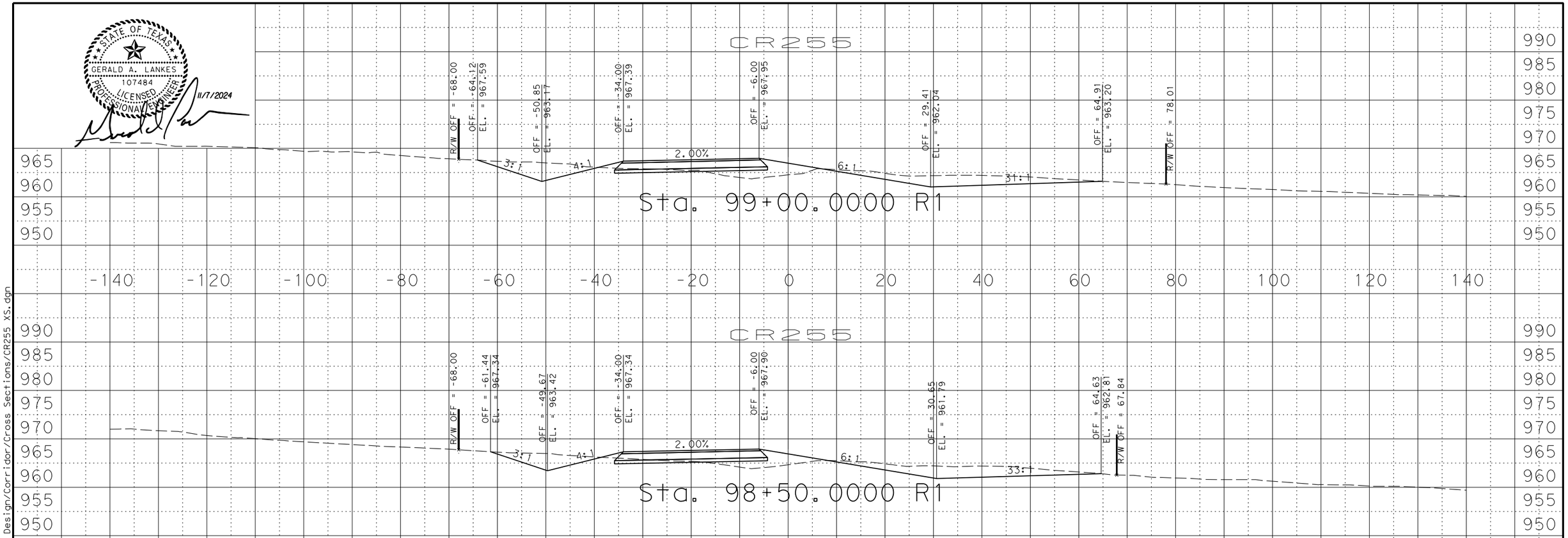

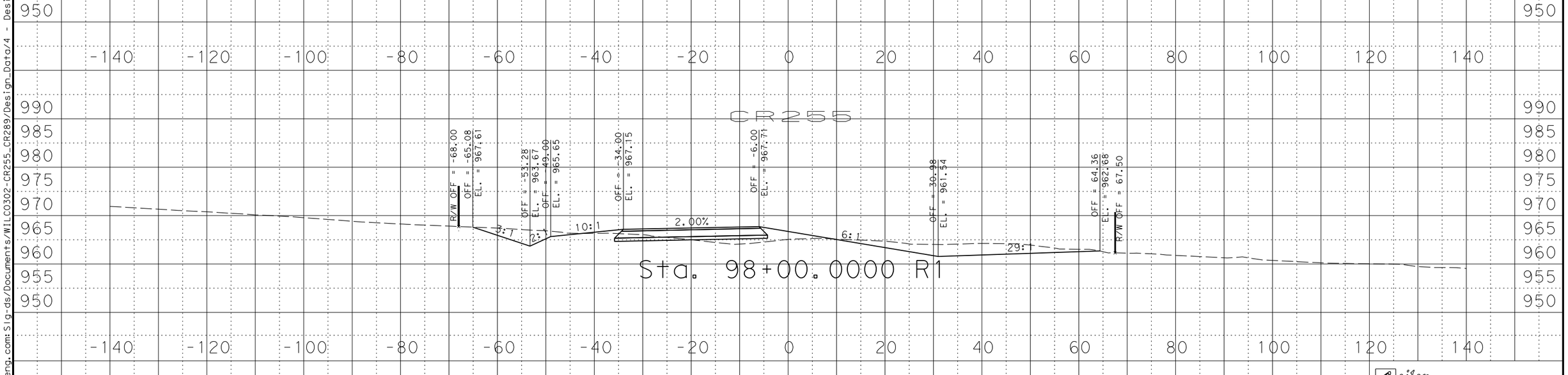

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		392

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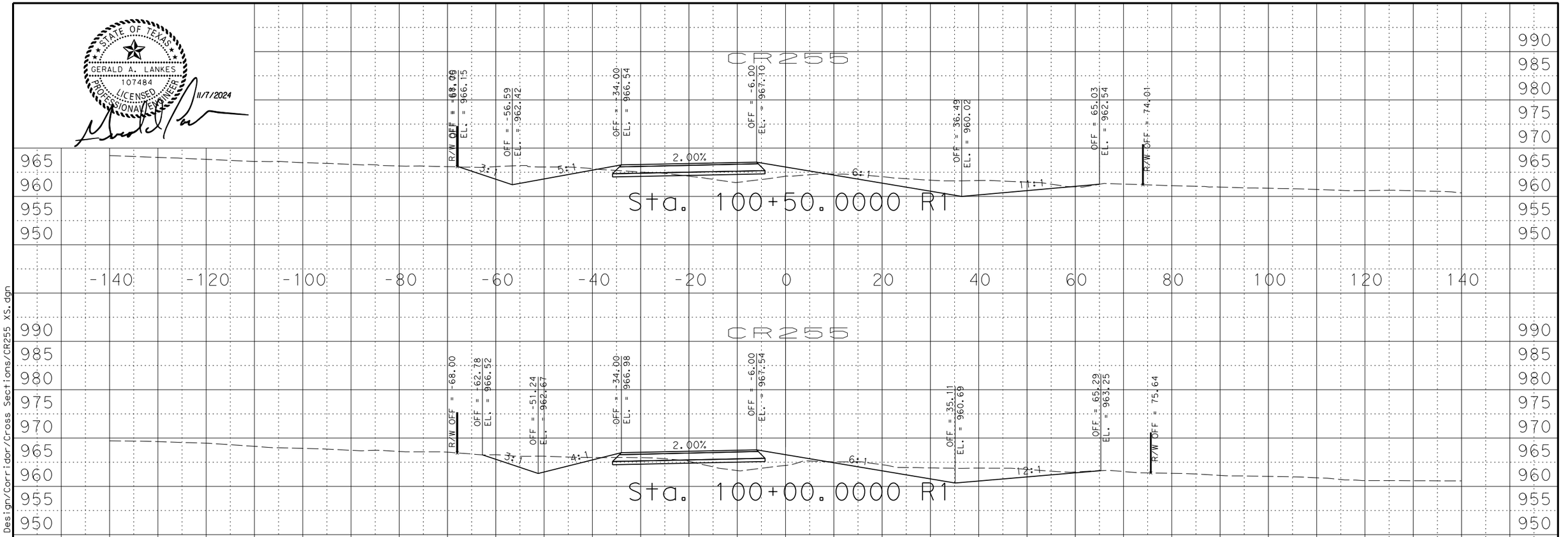

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		393

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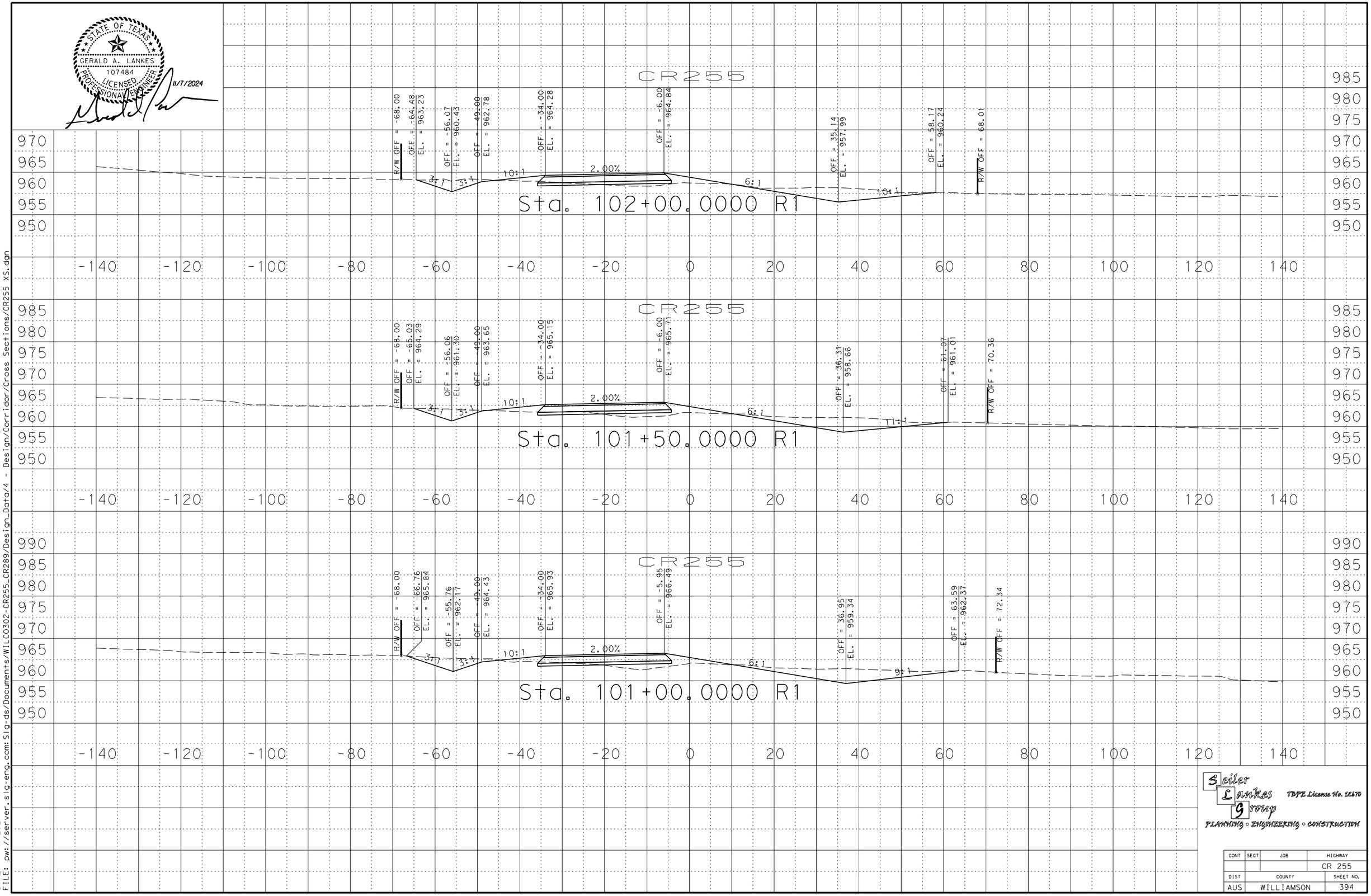

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		394

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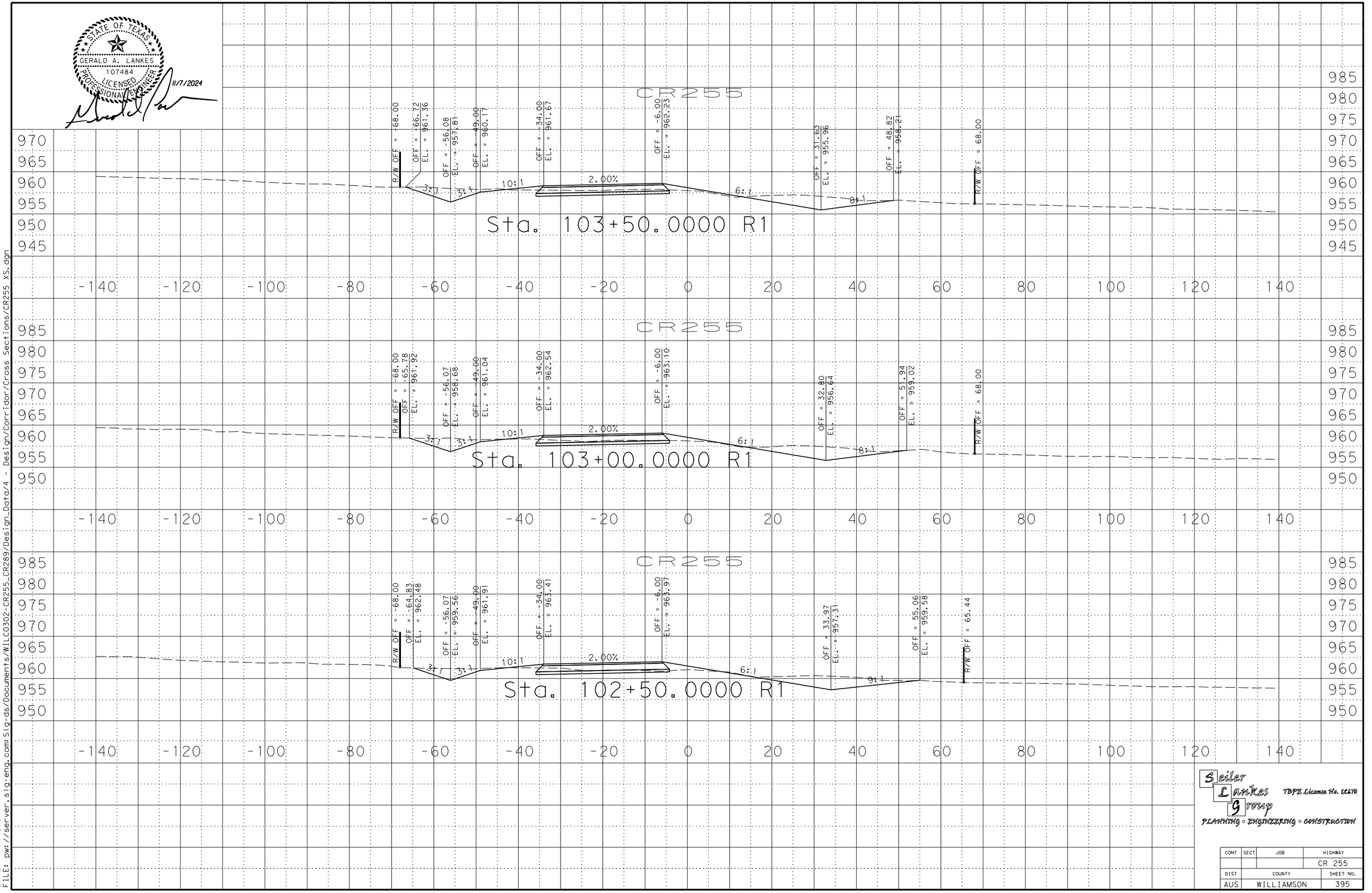

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		395

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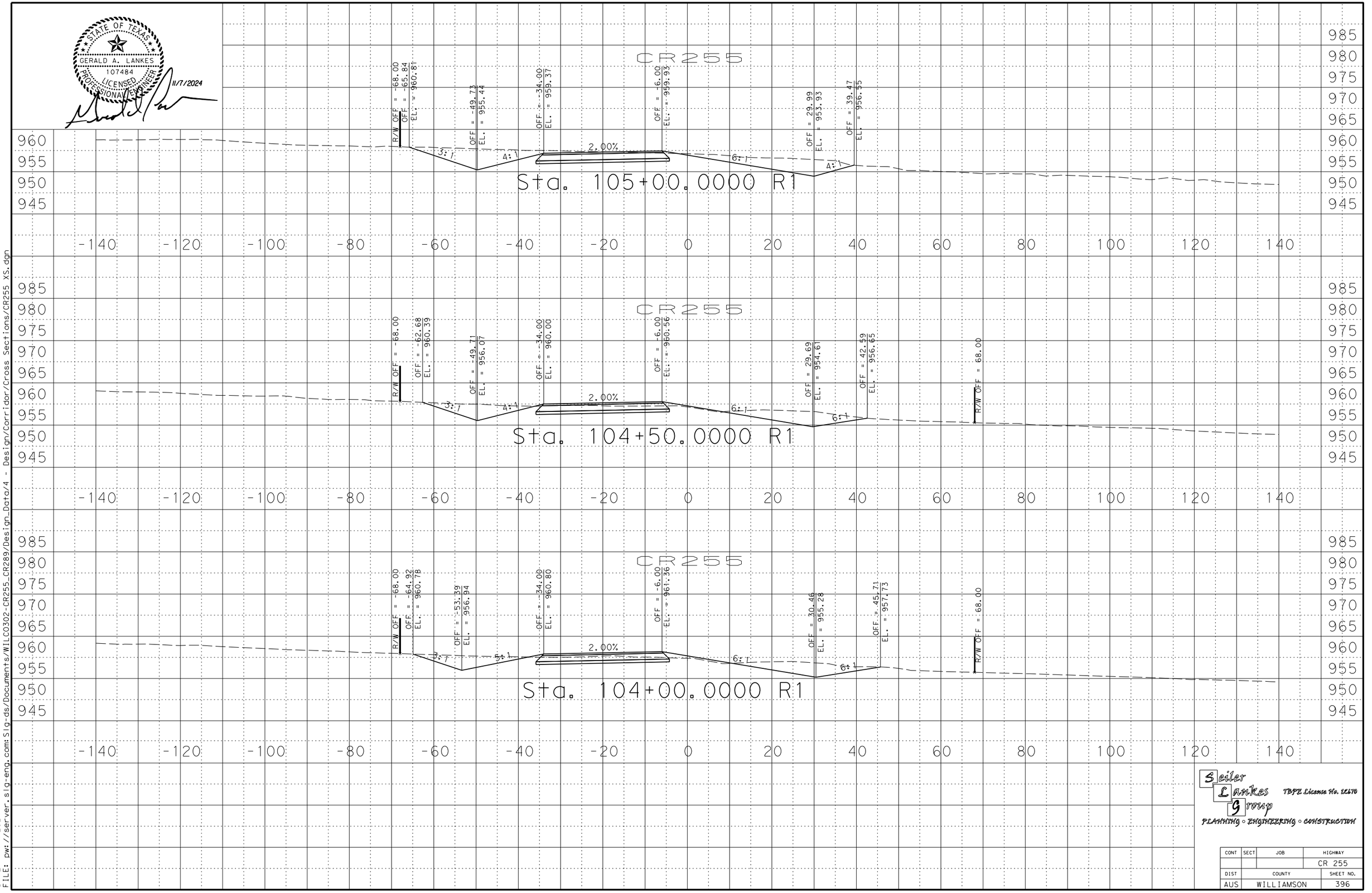

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		396

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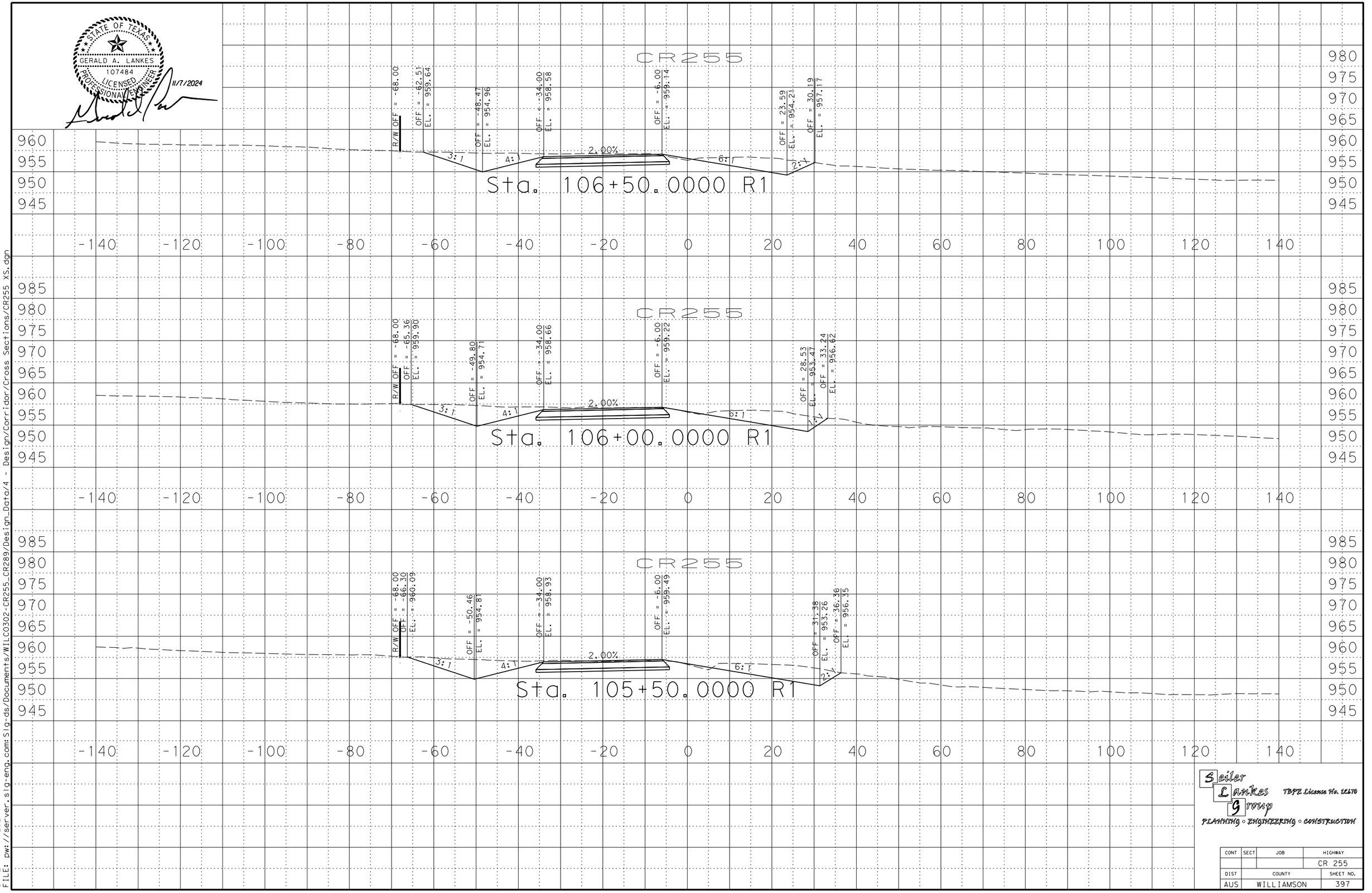

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		397

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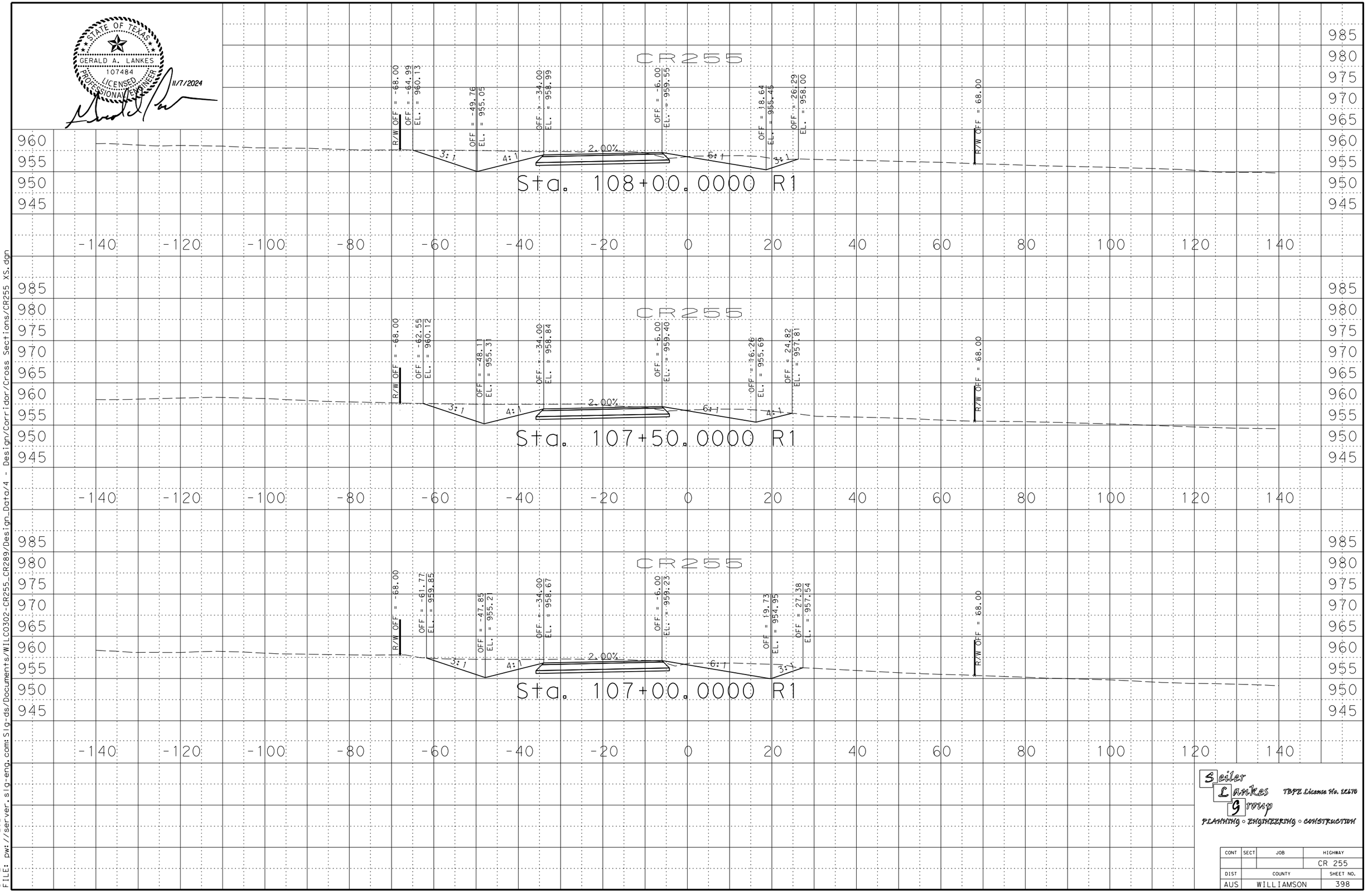

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		398

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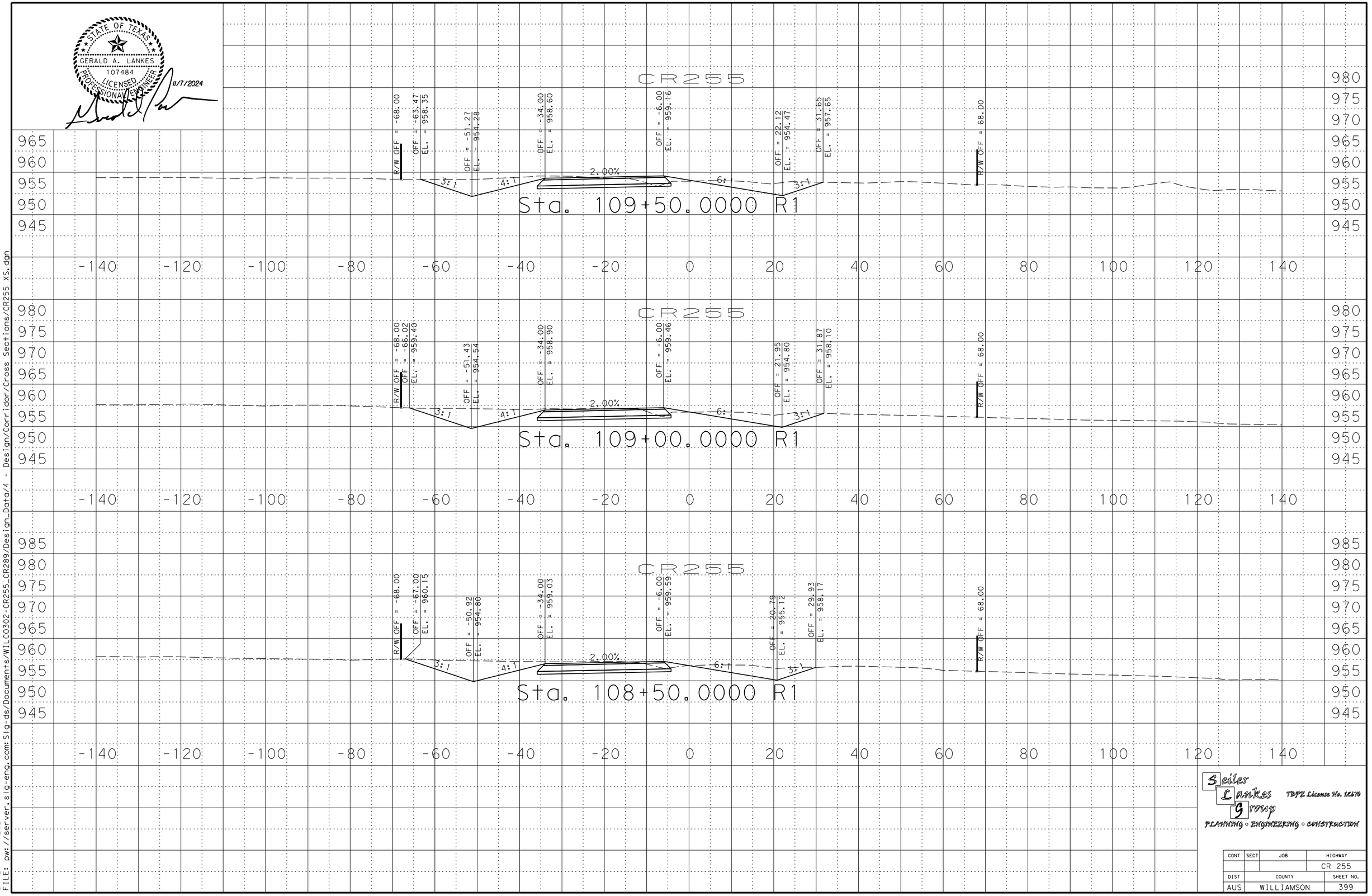

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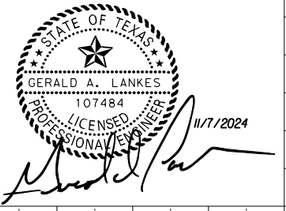
CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		399



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		400

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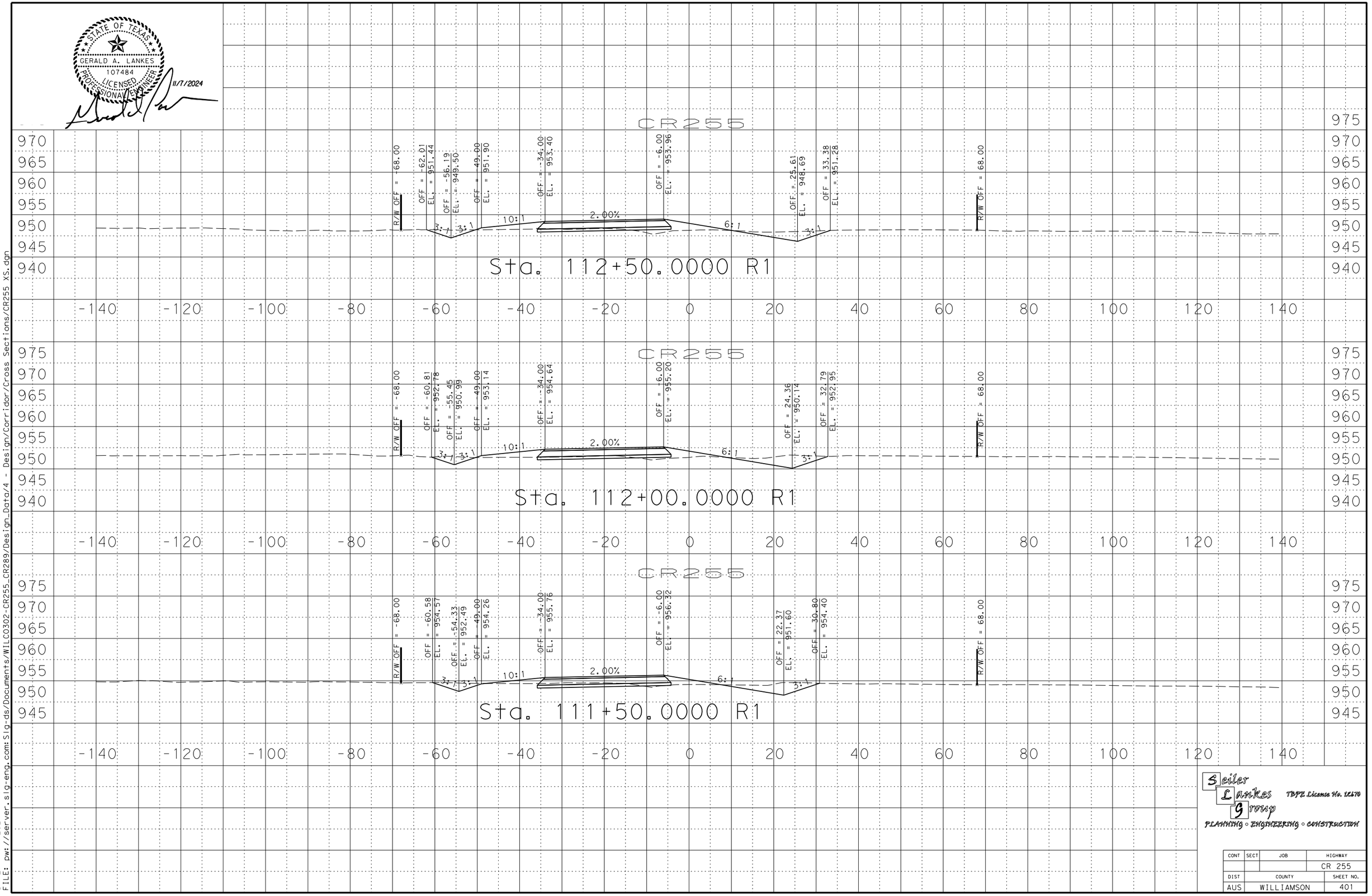

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		401

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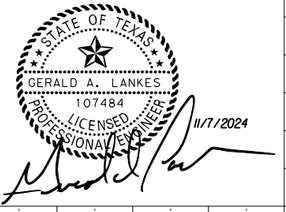

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		402

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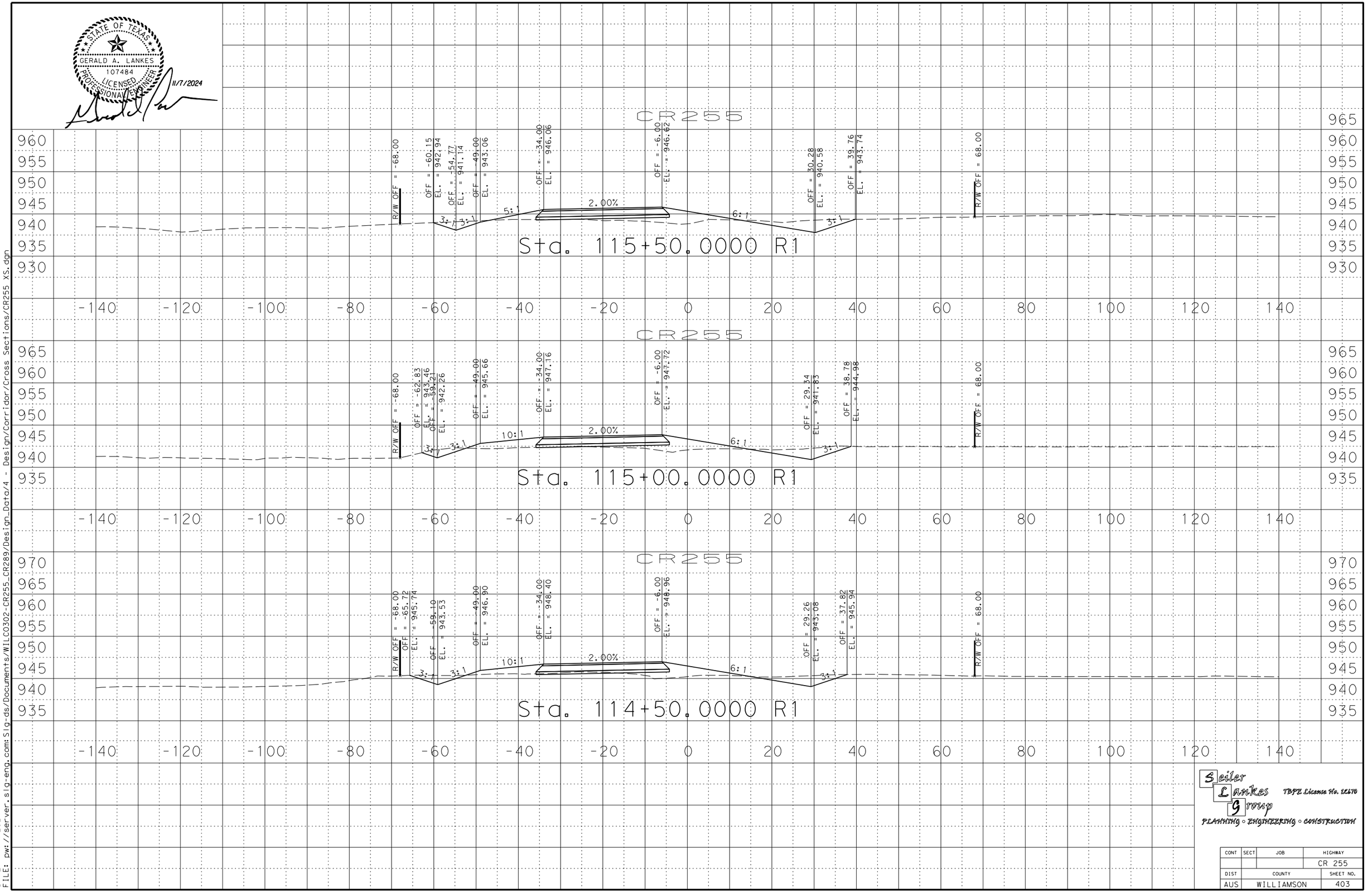

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		403

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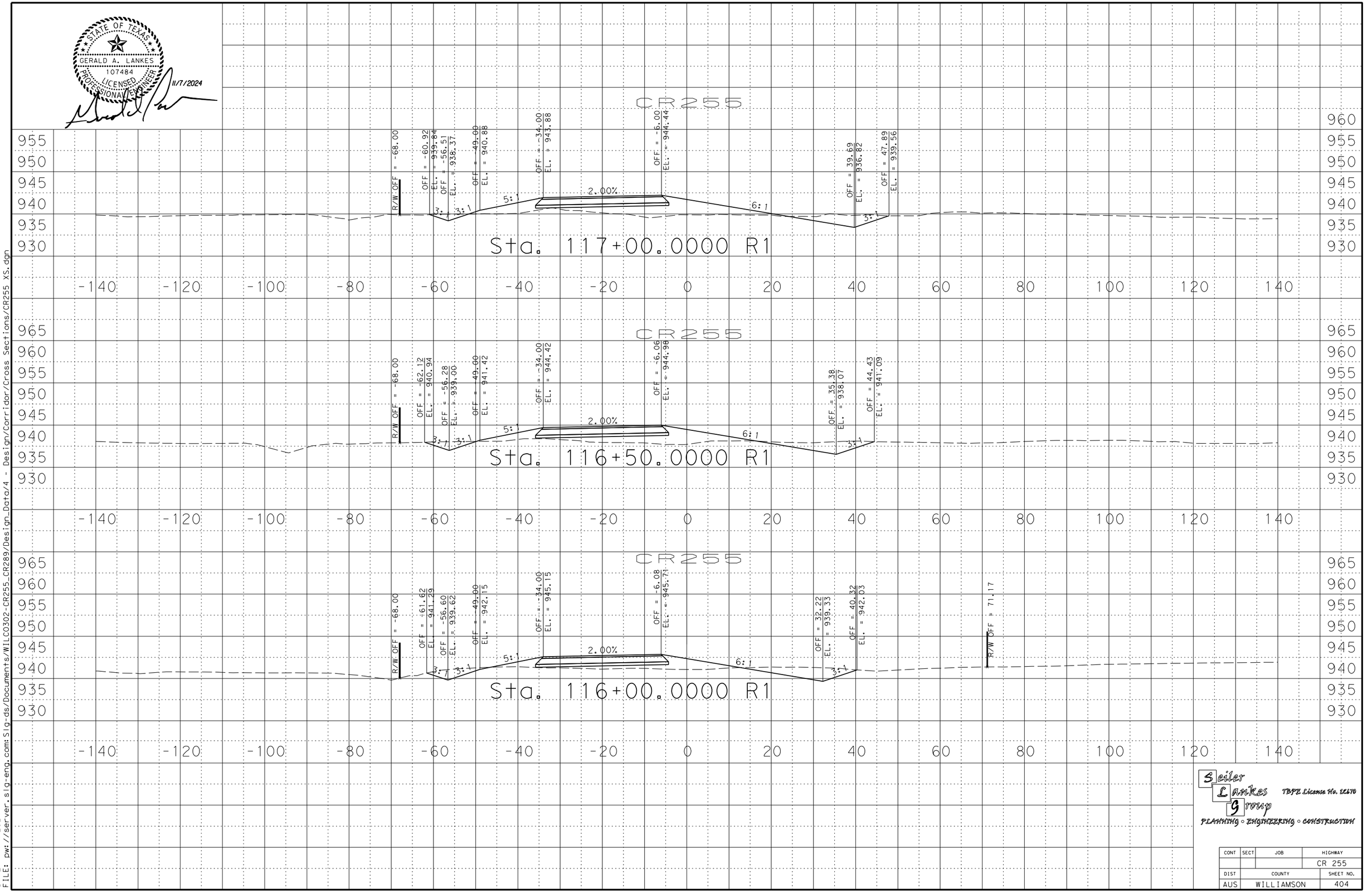

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		404

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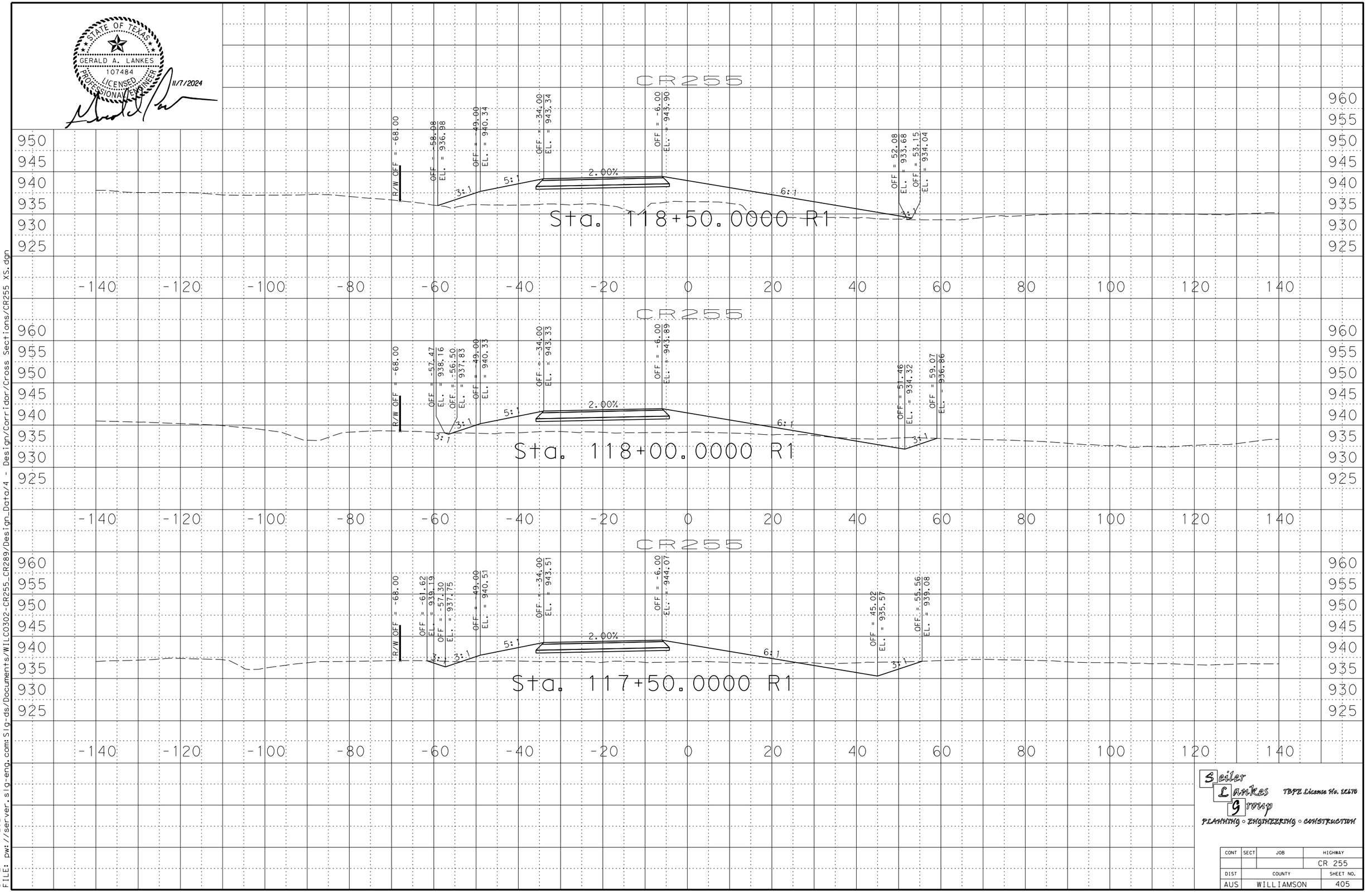

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		405

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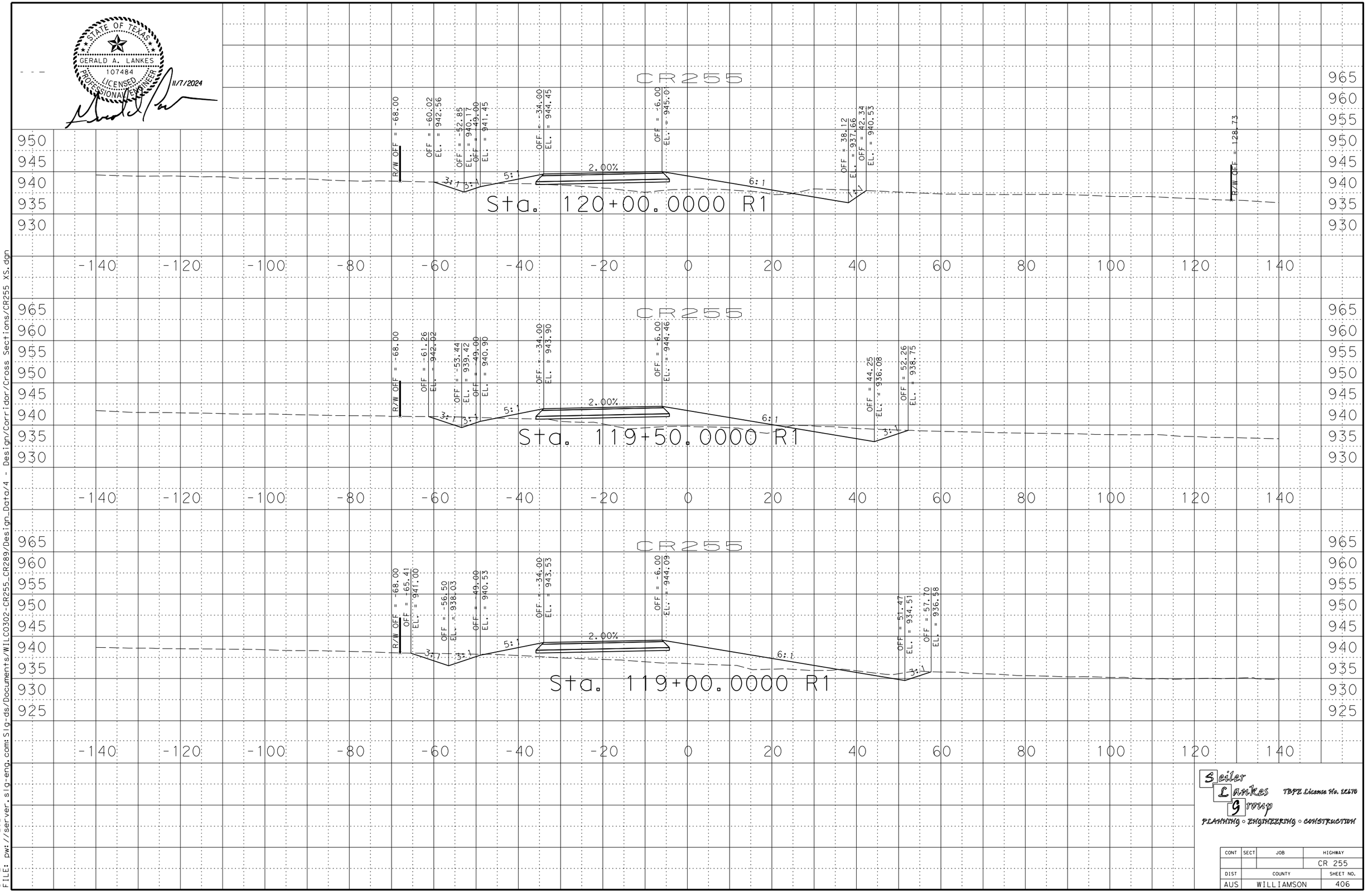

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		406

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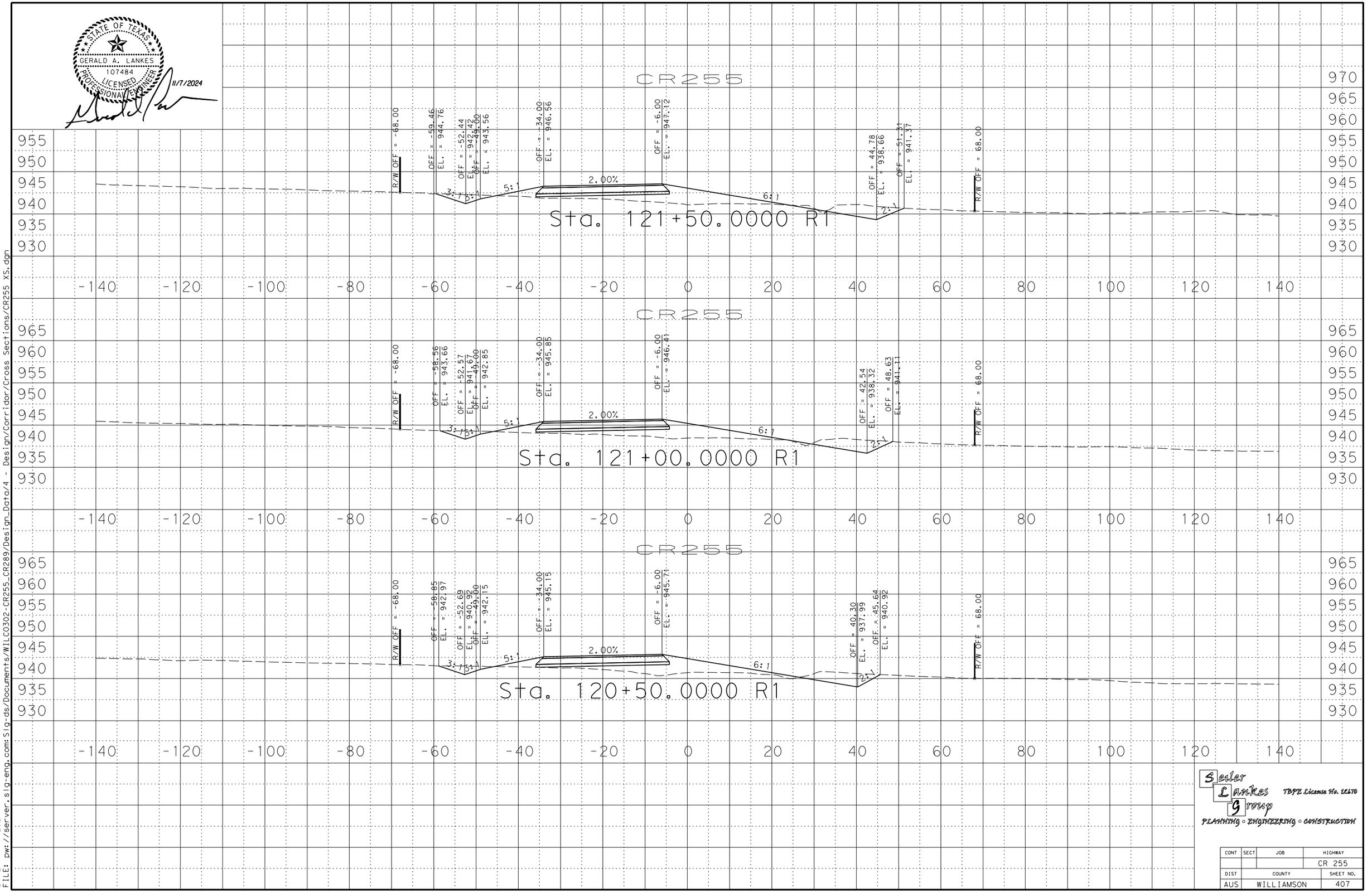

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		407

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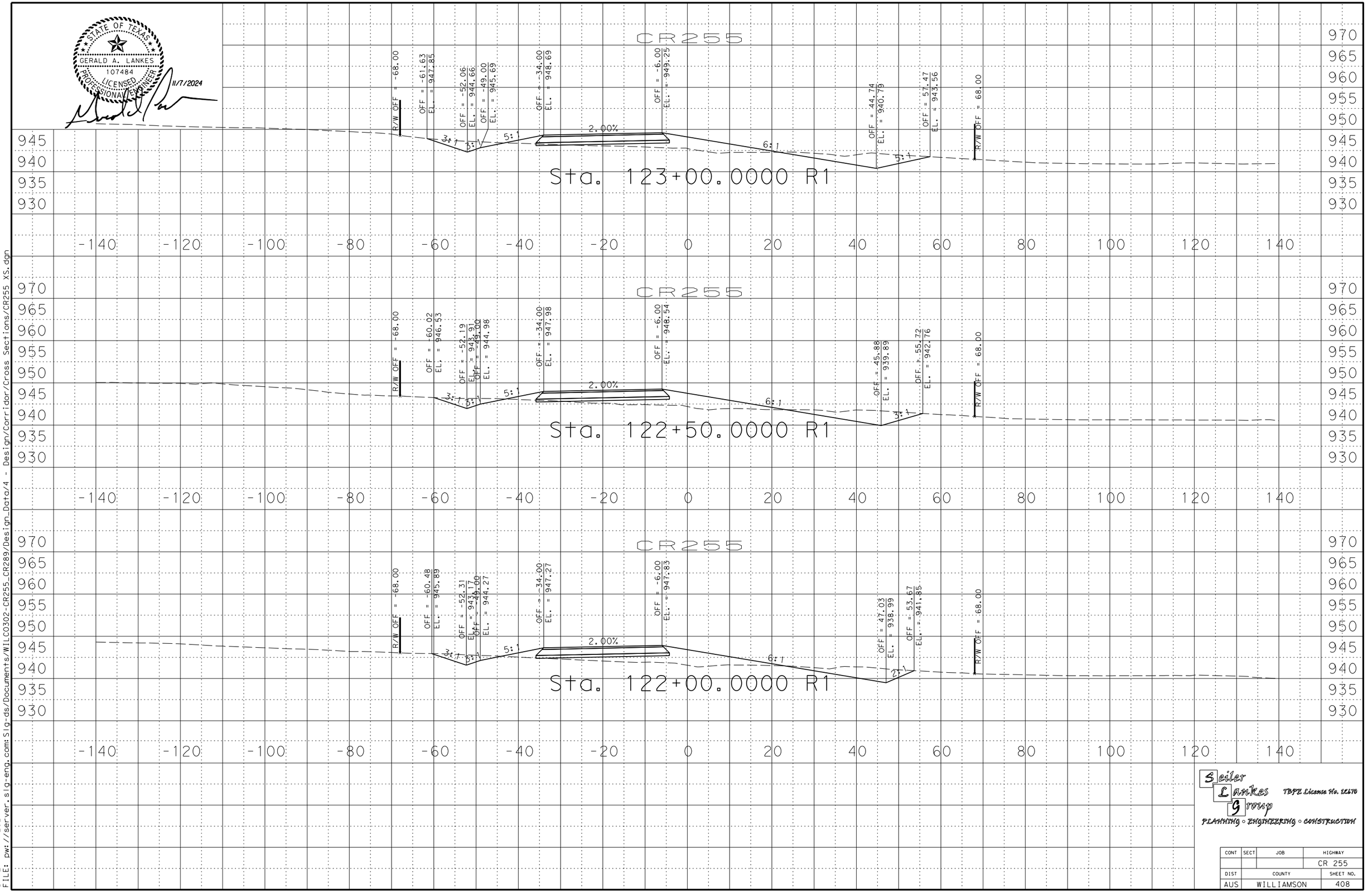

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		408

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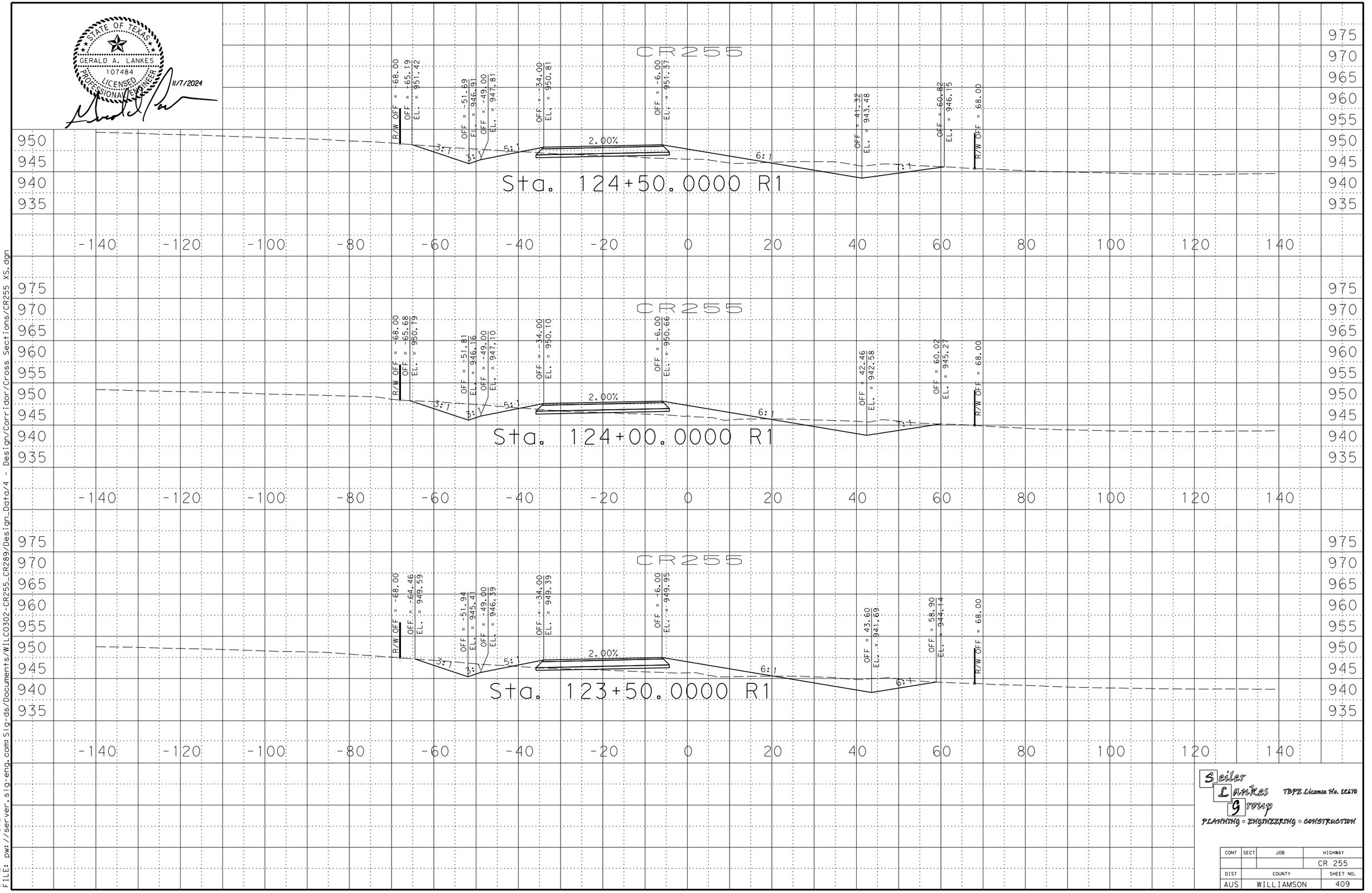

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		409

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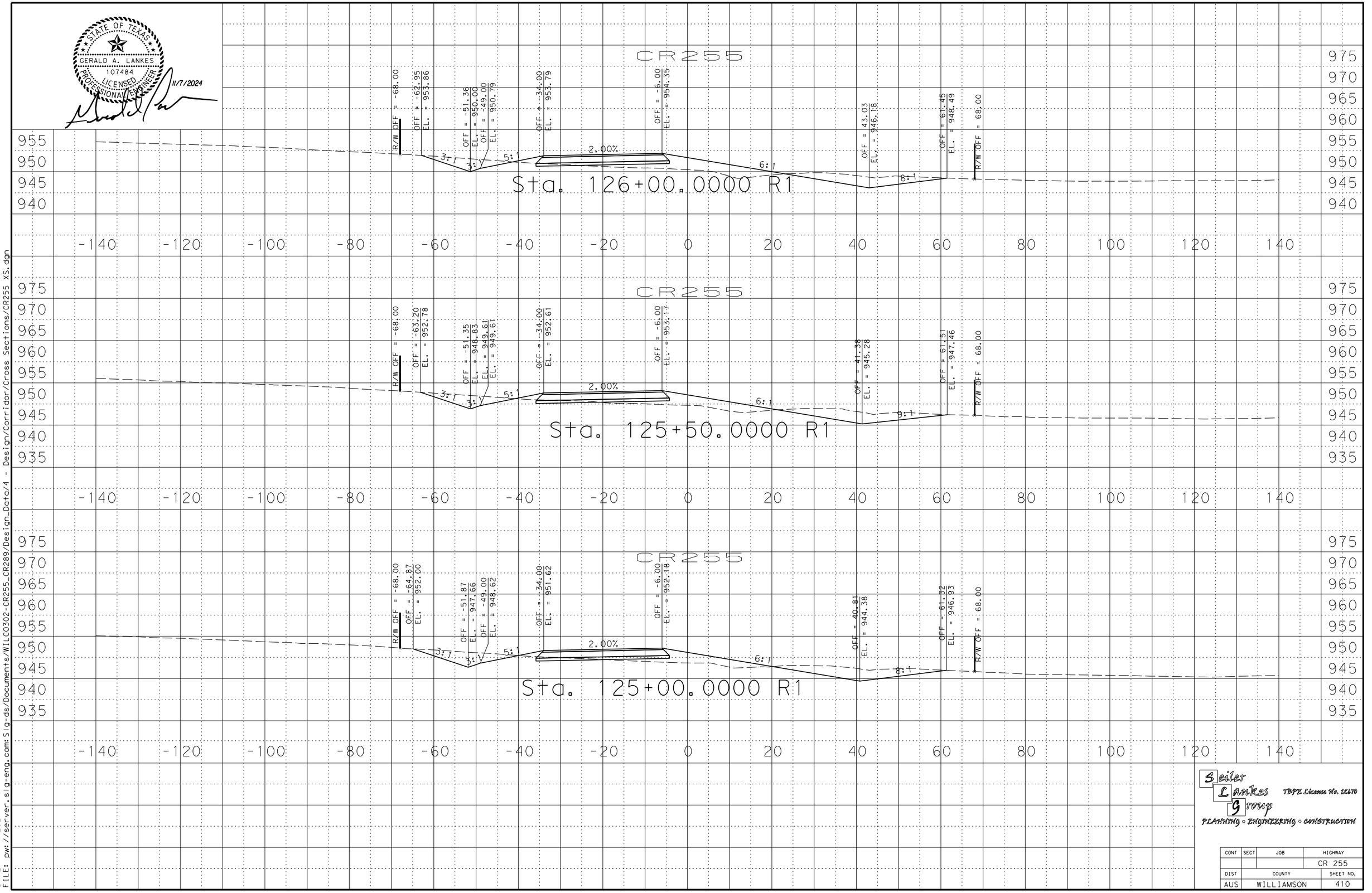

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		410

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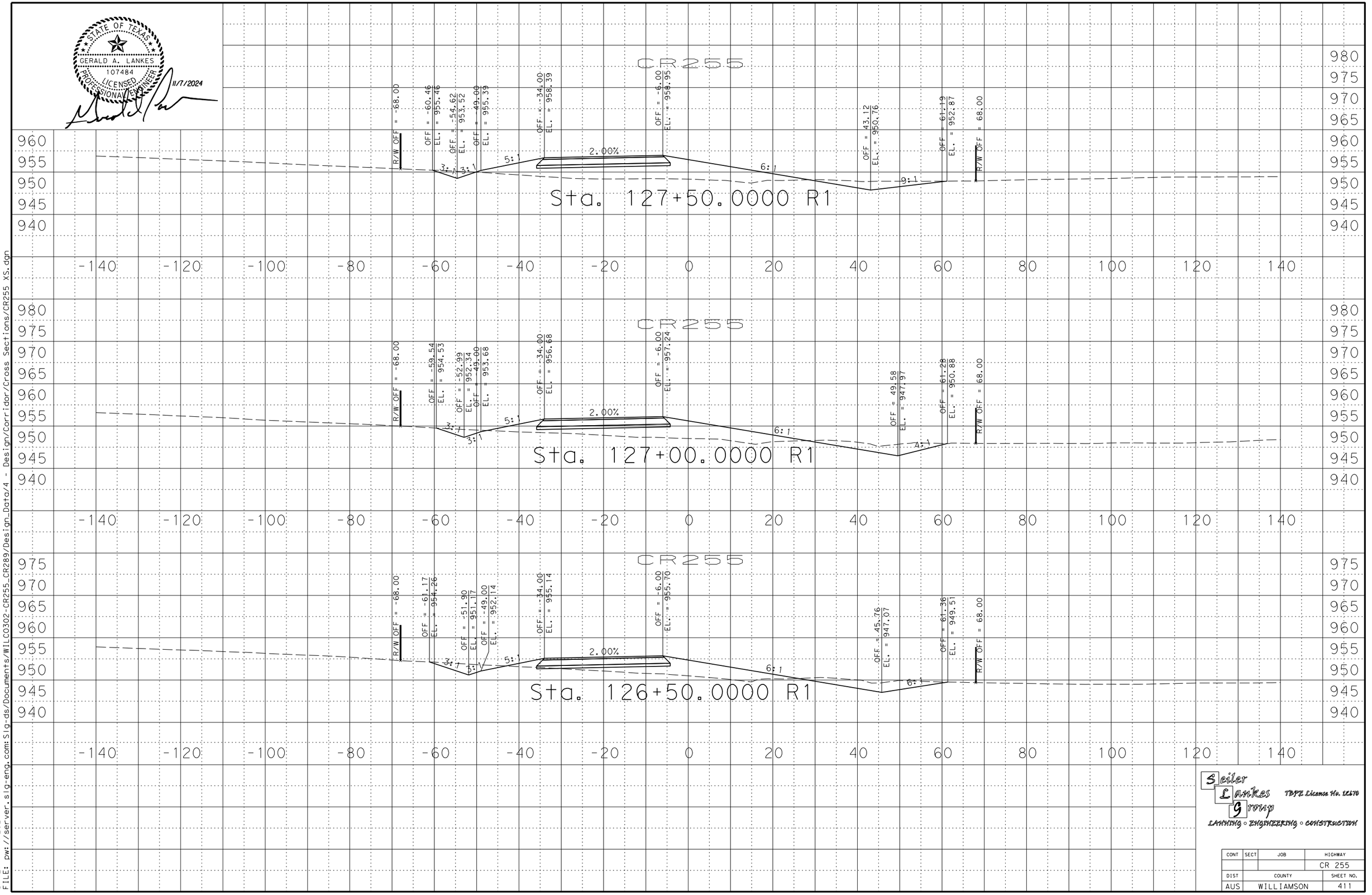

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		411

DATE: 11/7/2024 12:58
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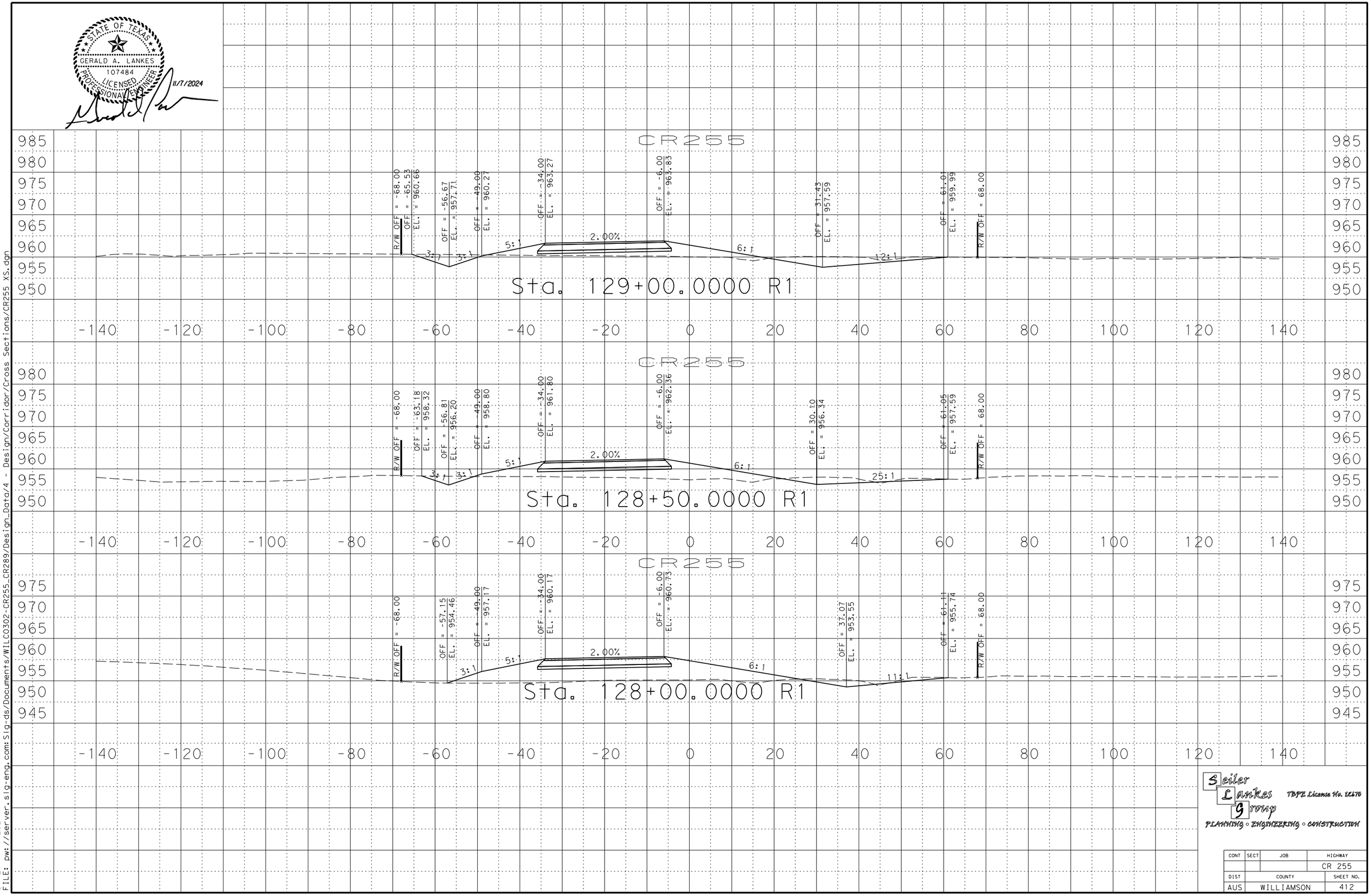

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		412

DATE: 11/7/2024 12:58
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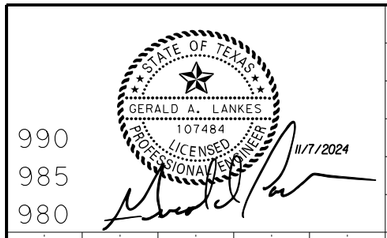

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		413

DATE: 11/7/2024 12:58
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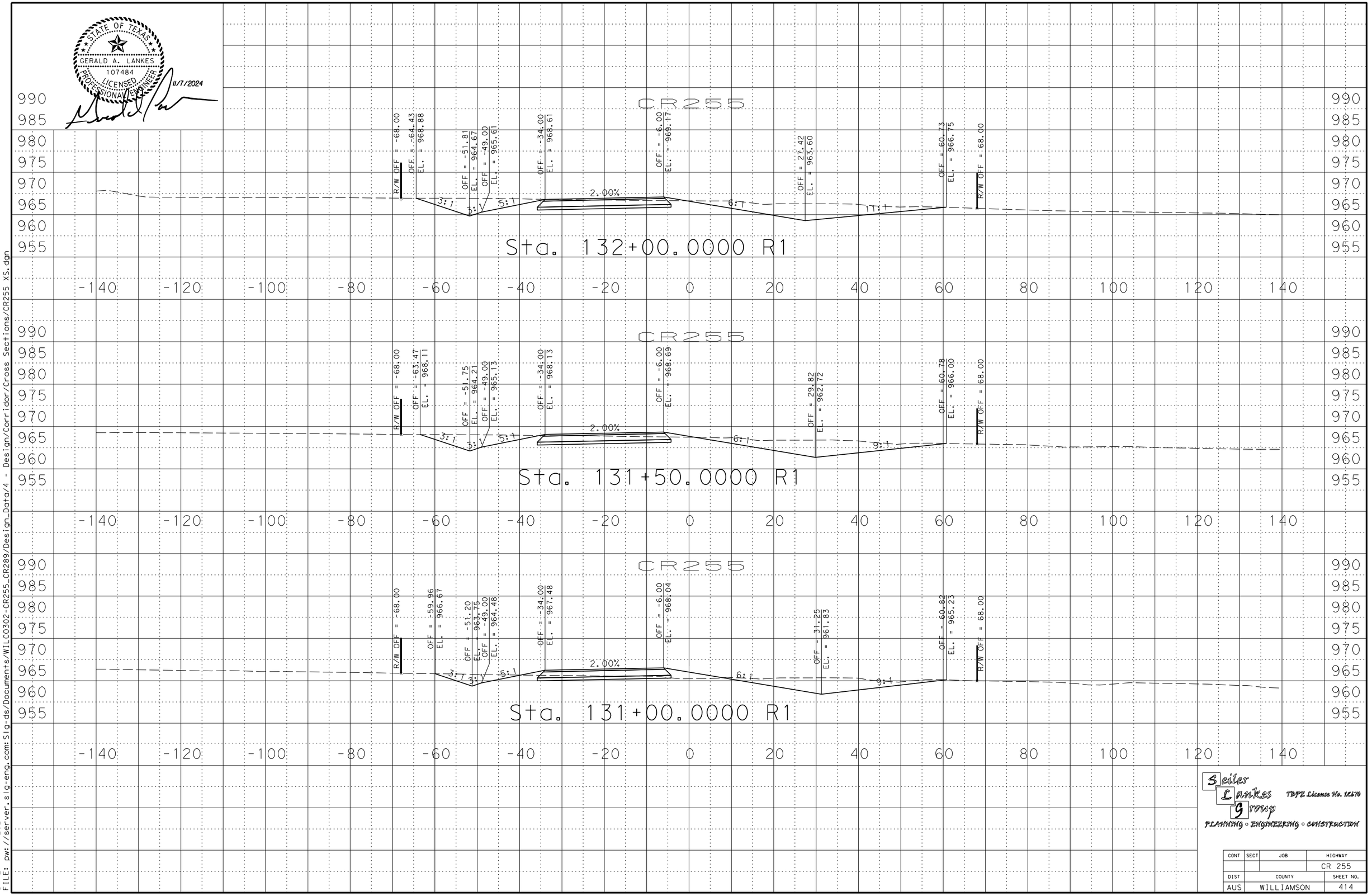

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		414

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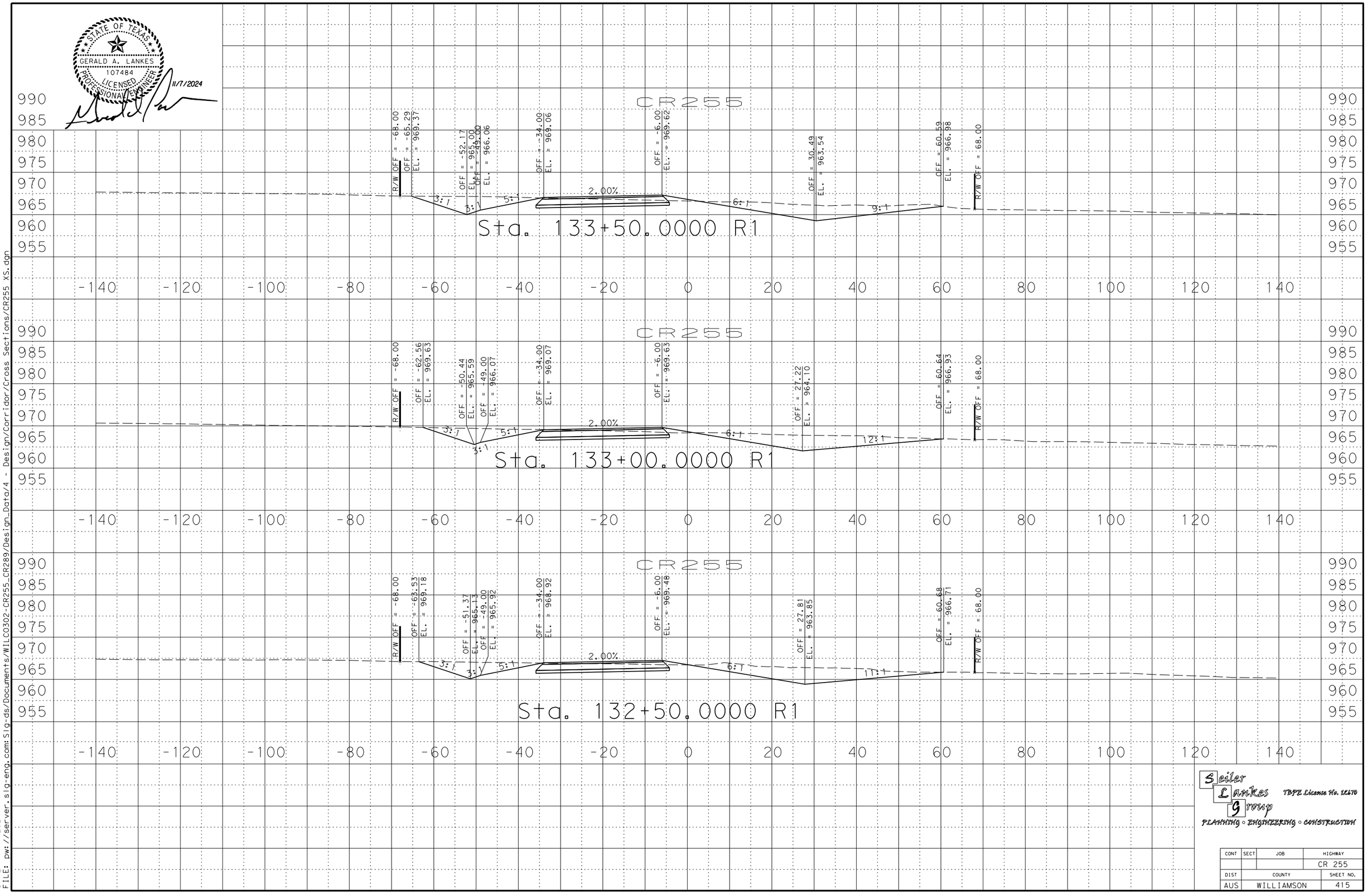

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		415

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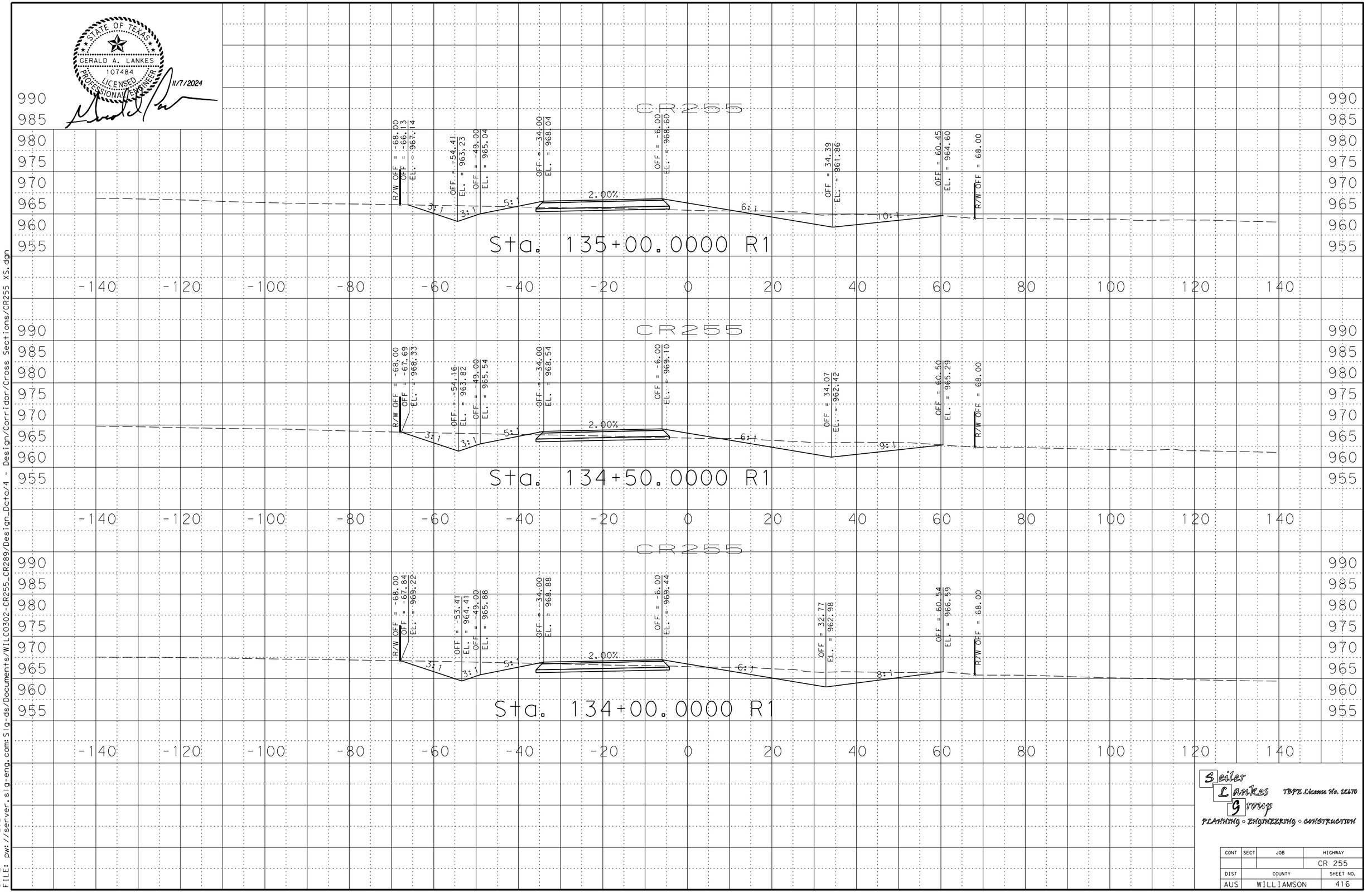

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		416

DATE: 11/7/2024 12:58
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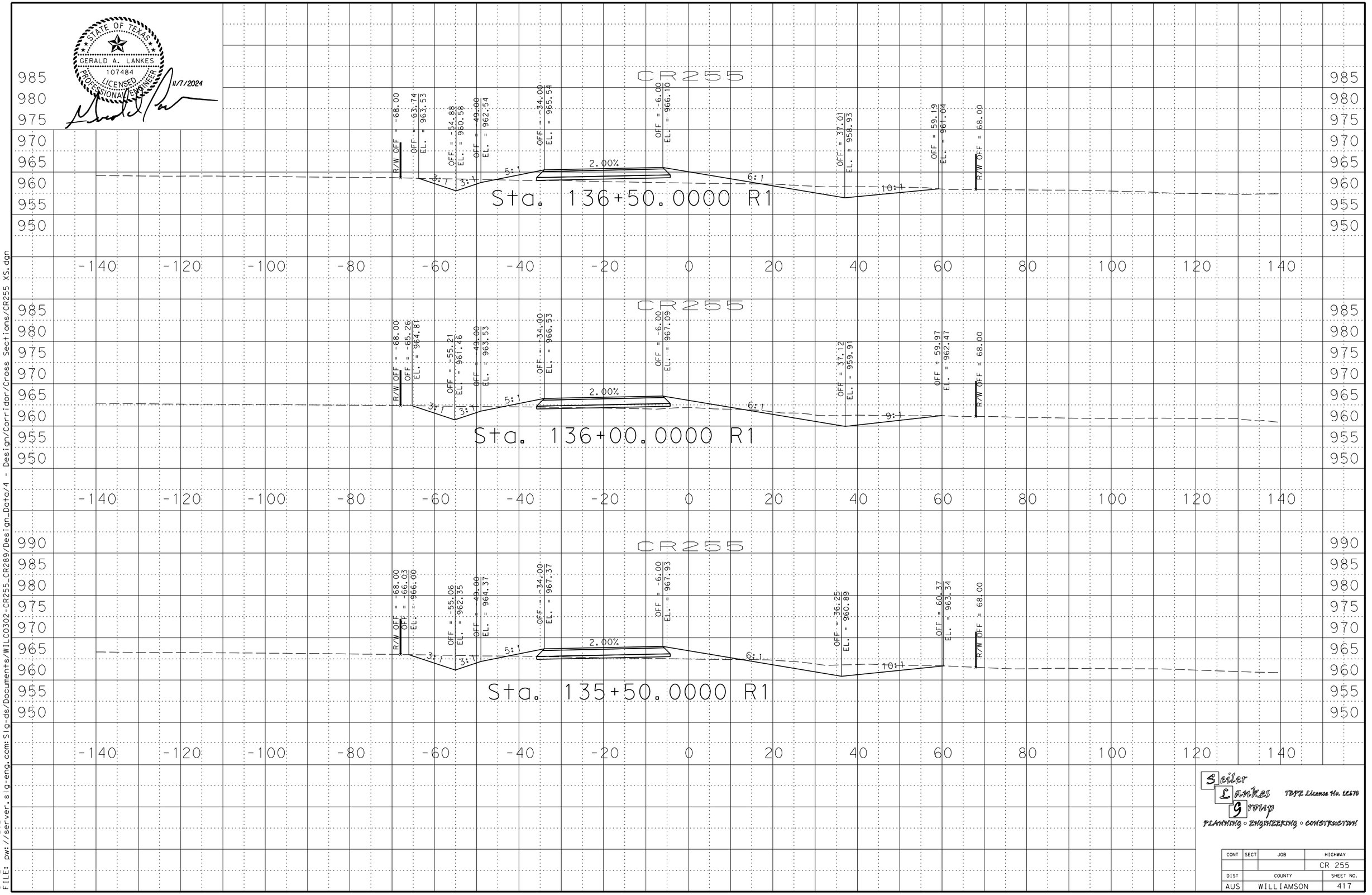

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		417

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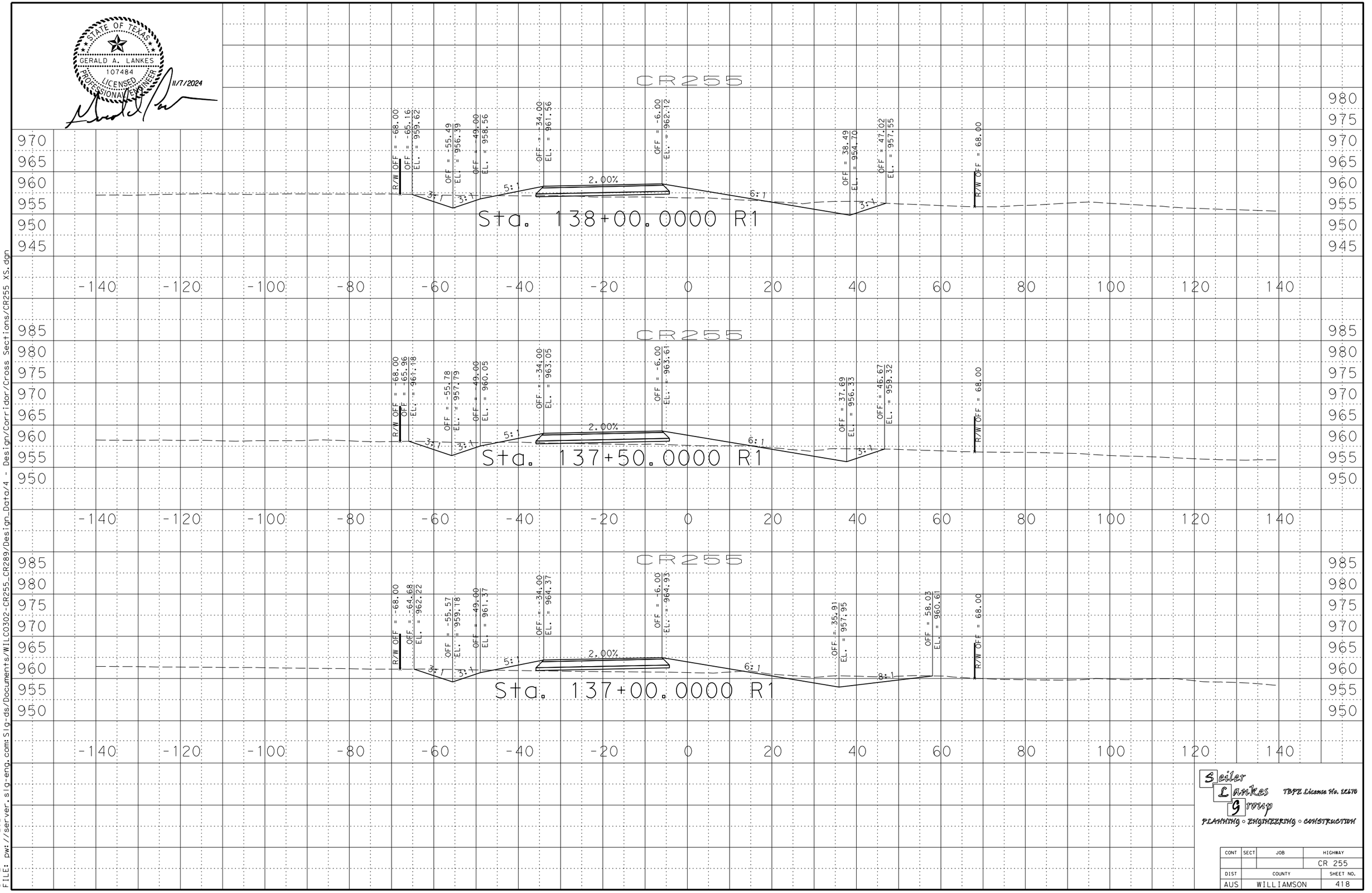

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		418

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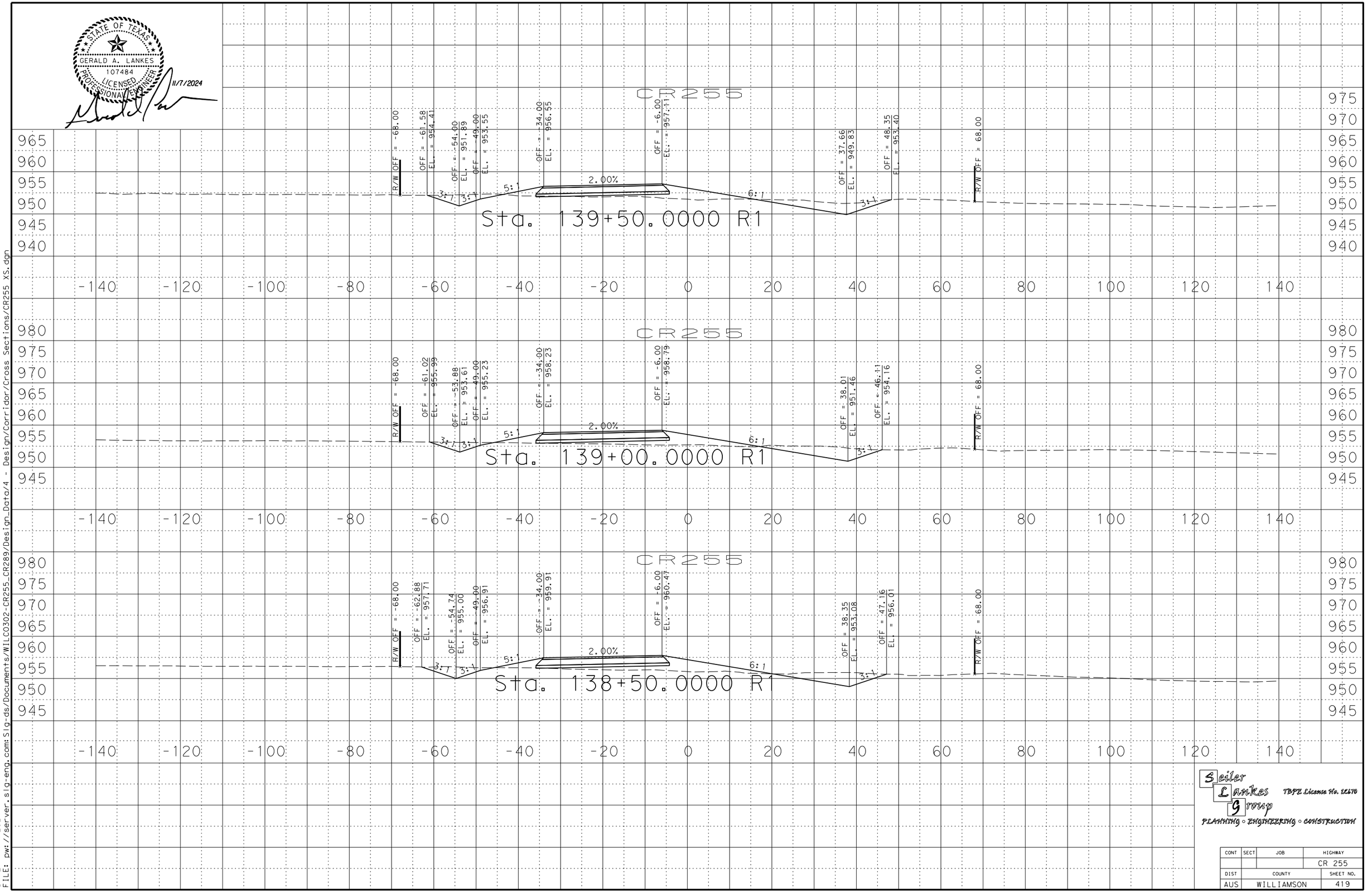

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		419

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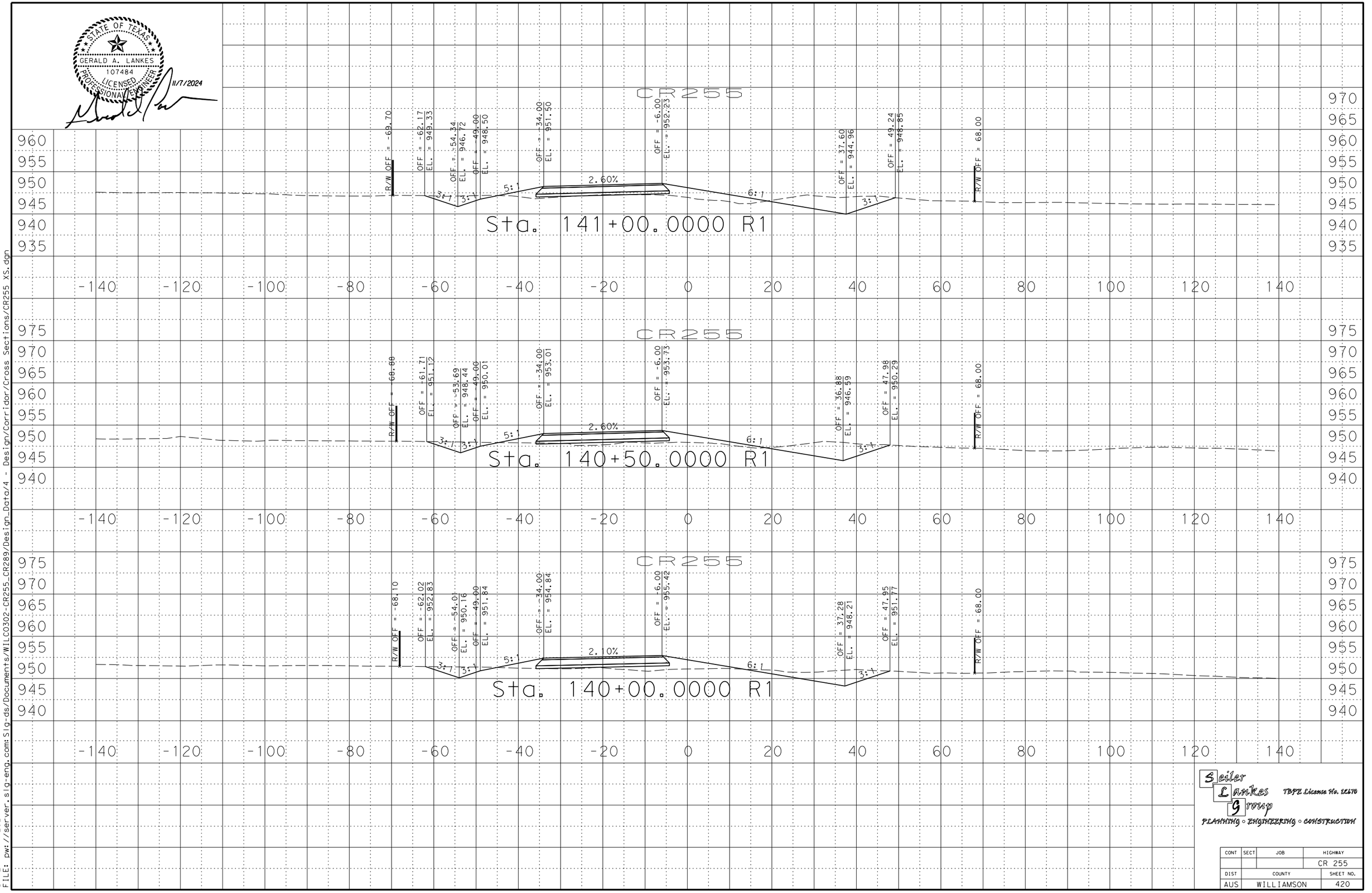

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		420

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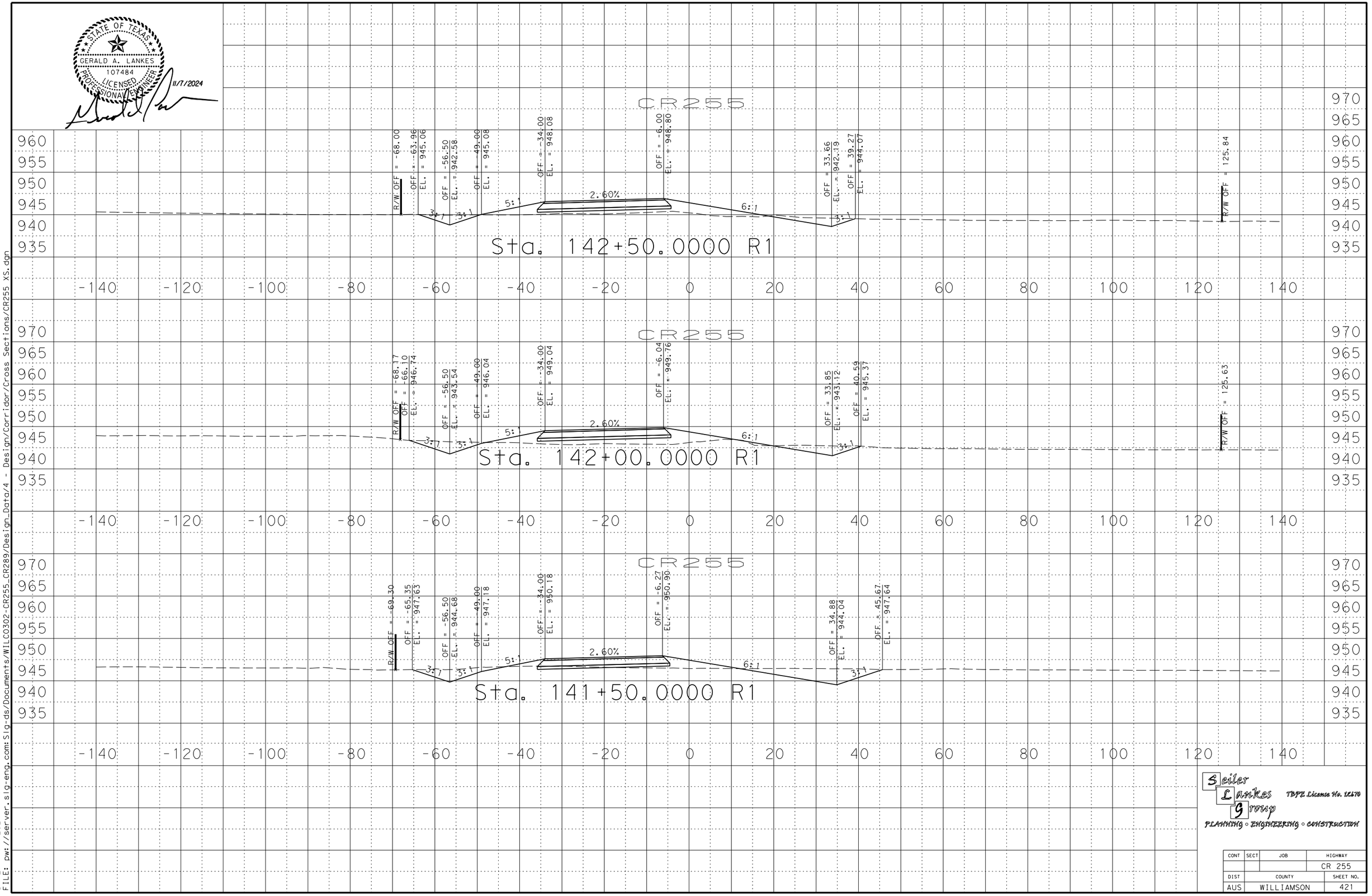

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		421

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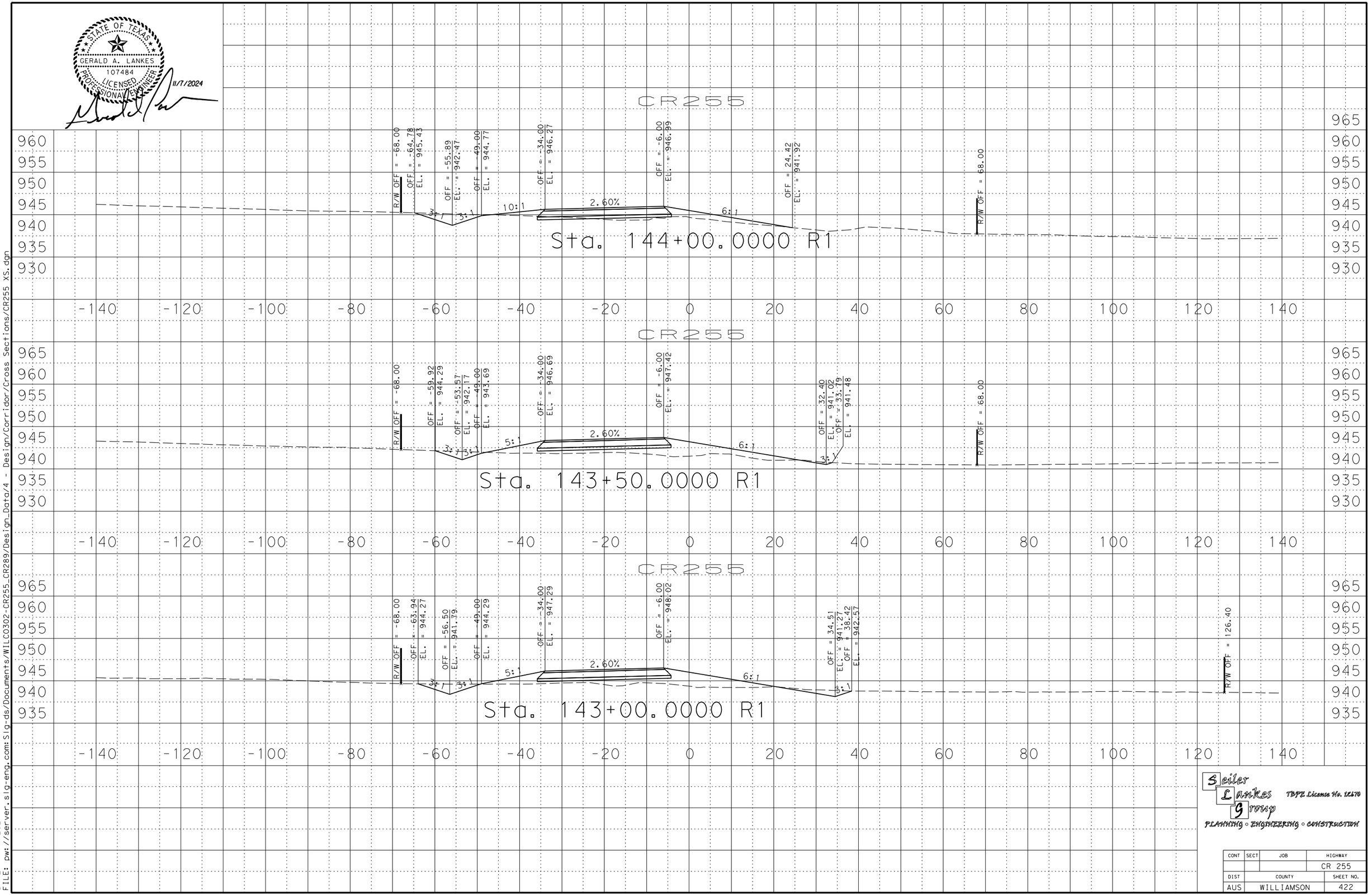

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		422

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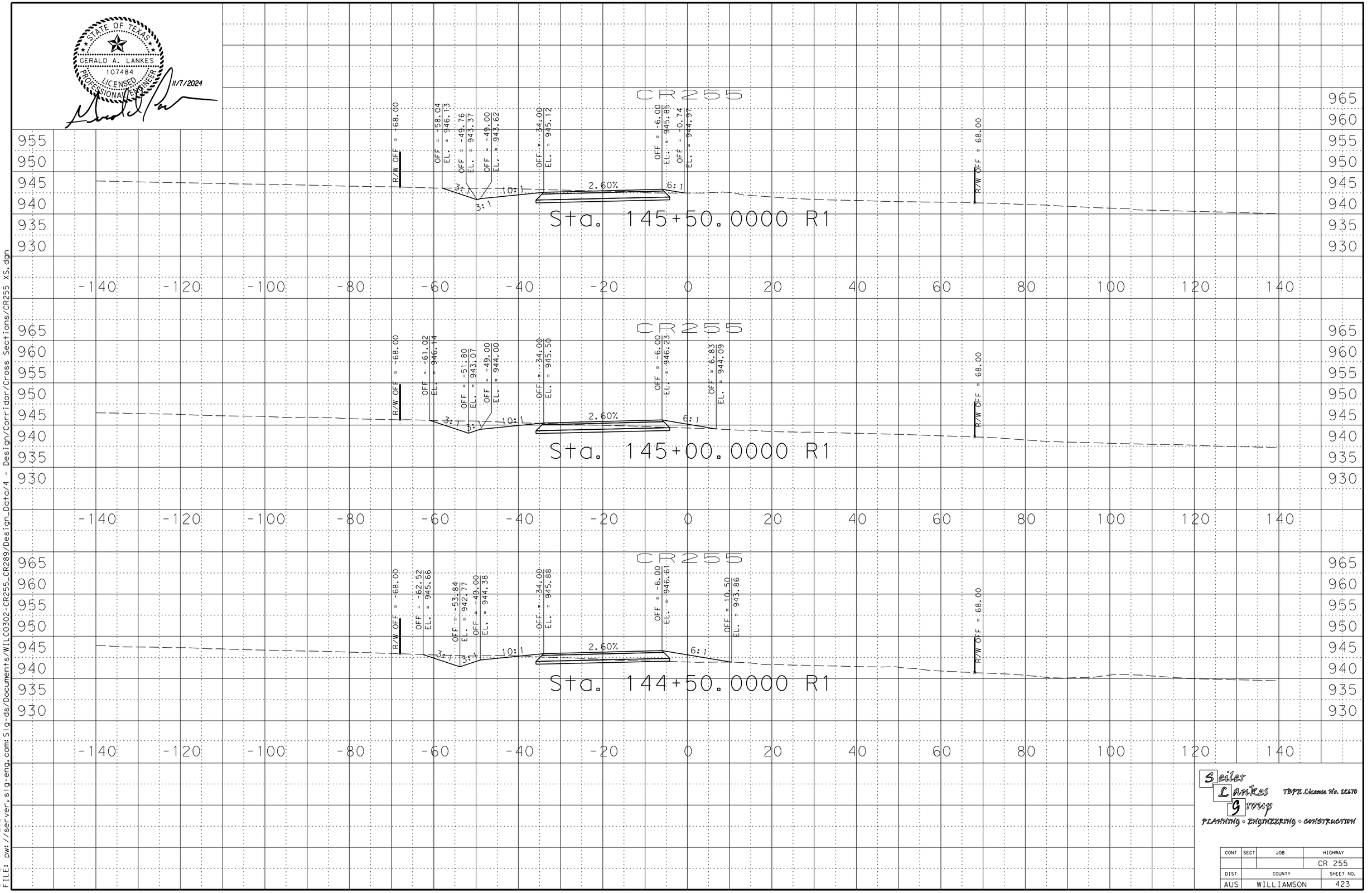

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		423

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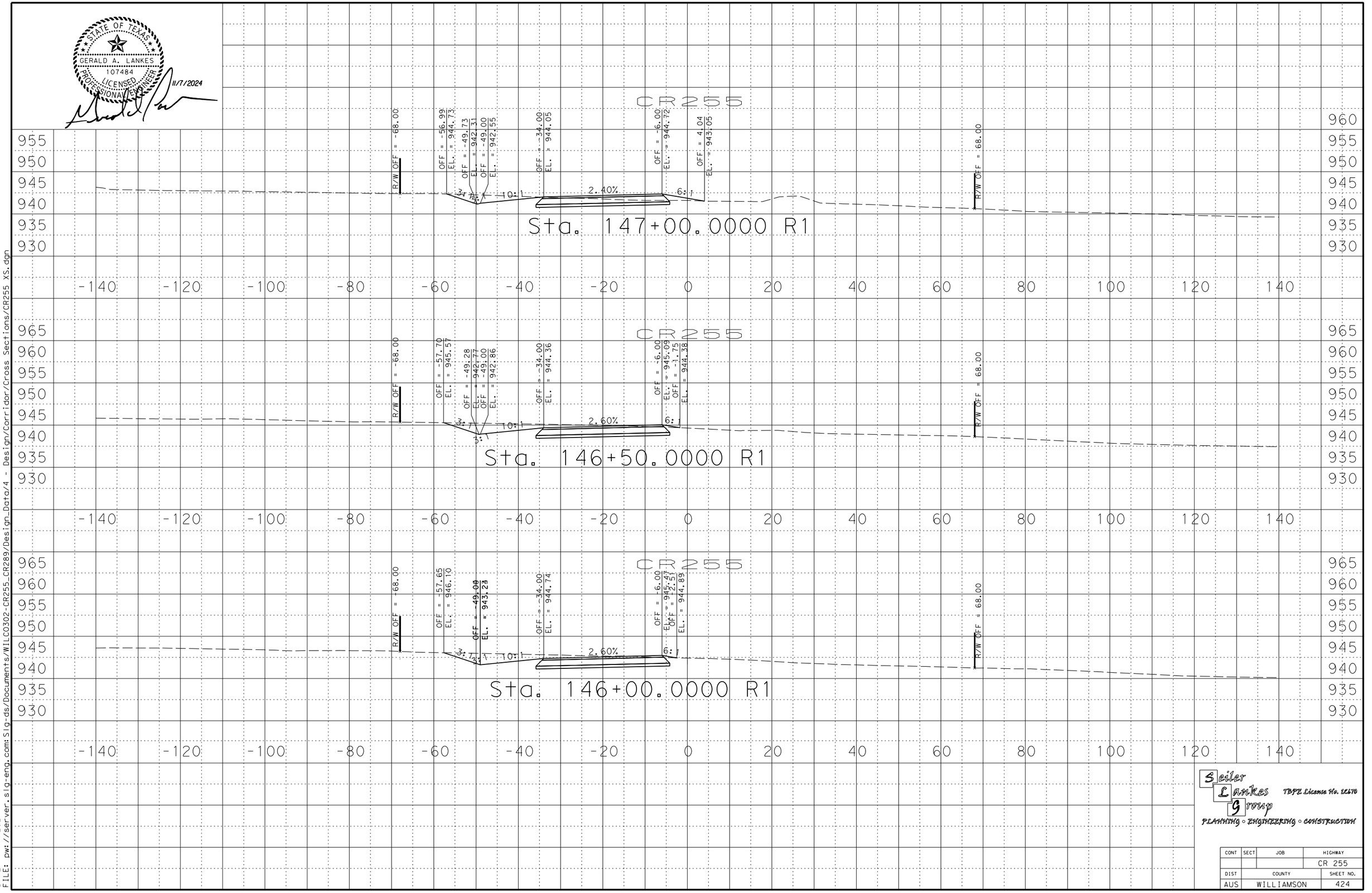

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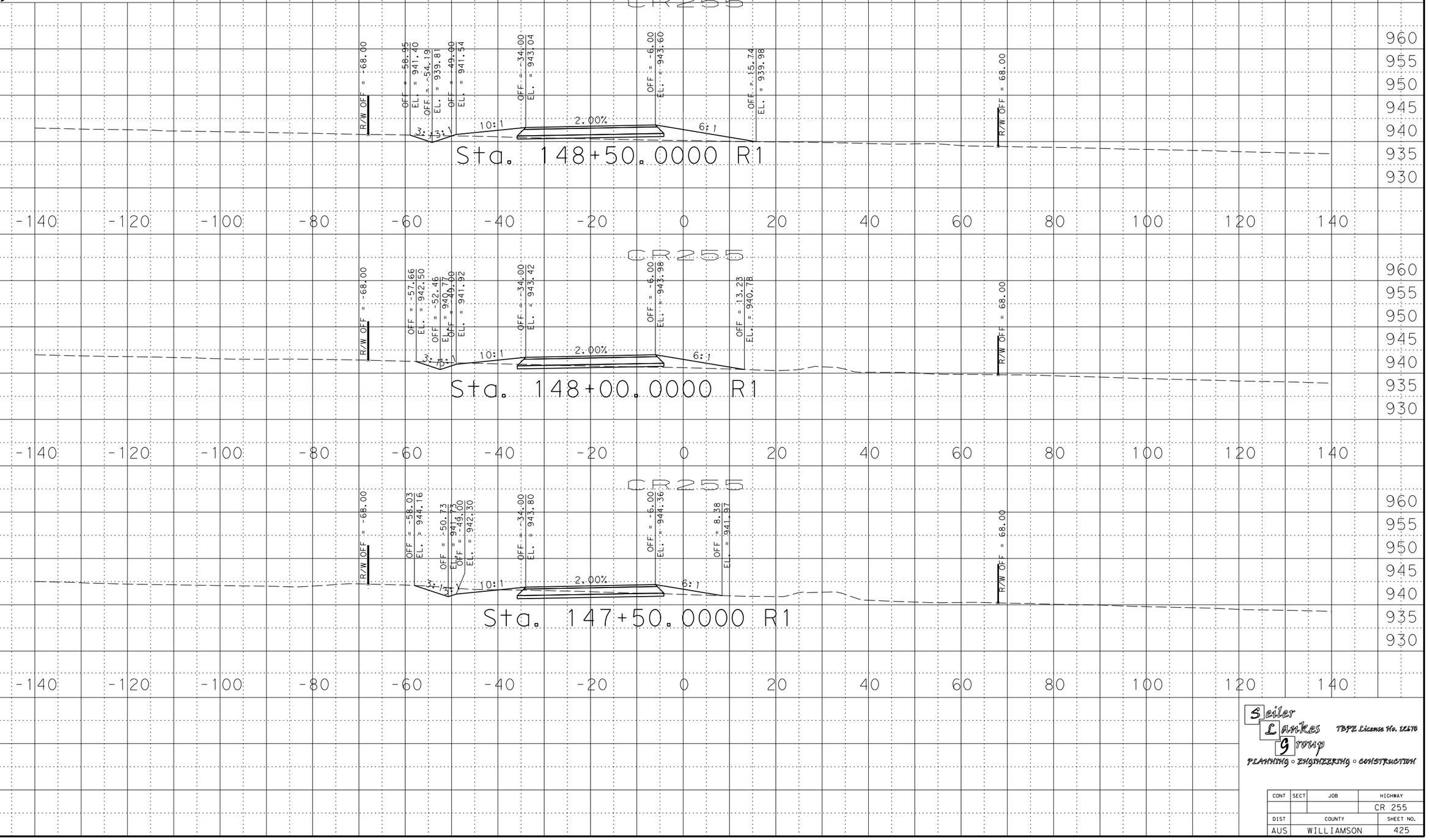
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		424



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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		425

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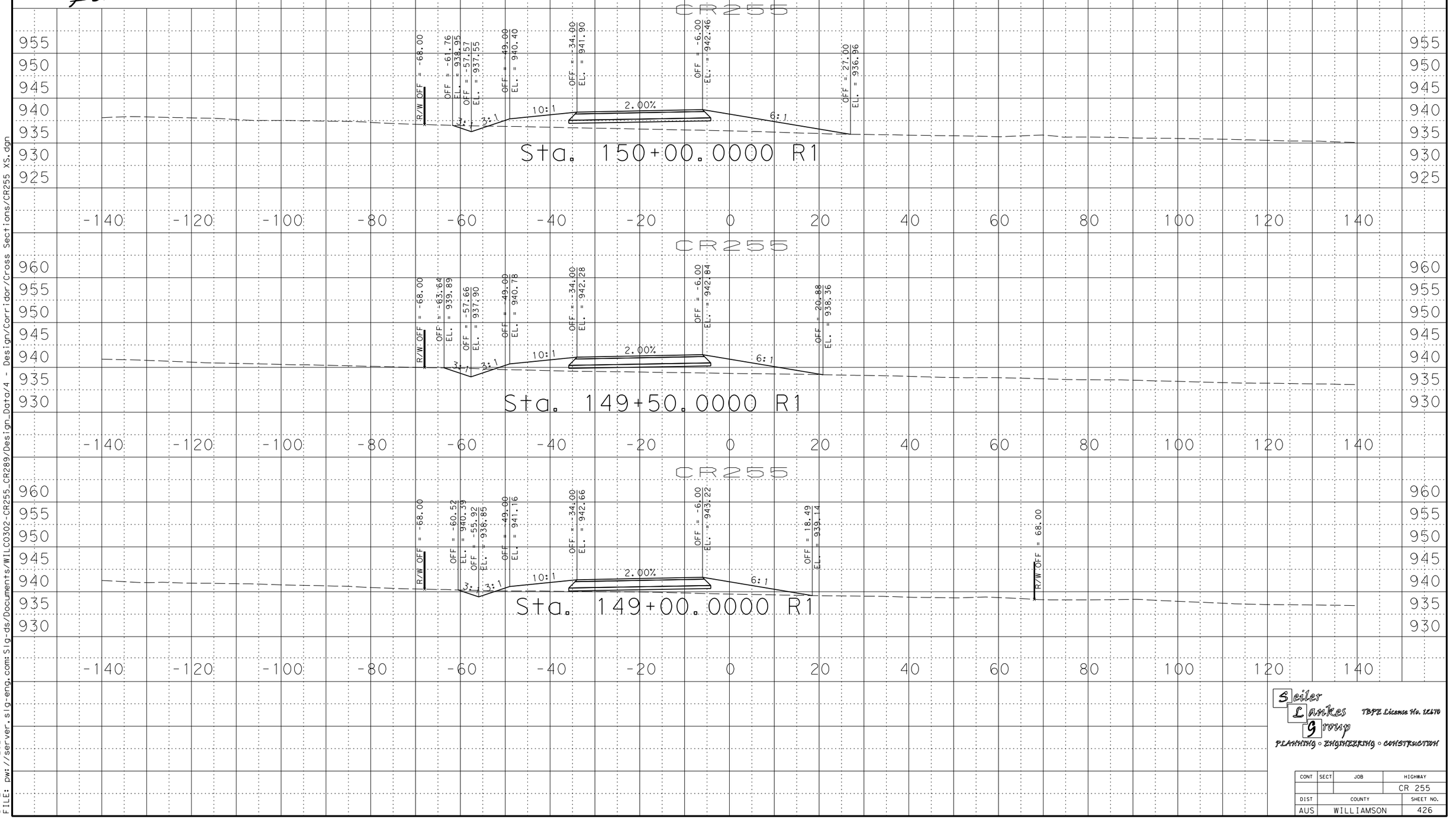

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		426

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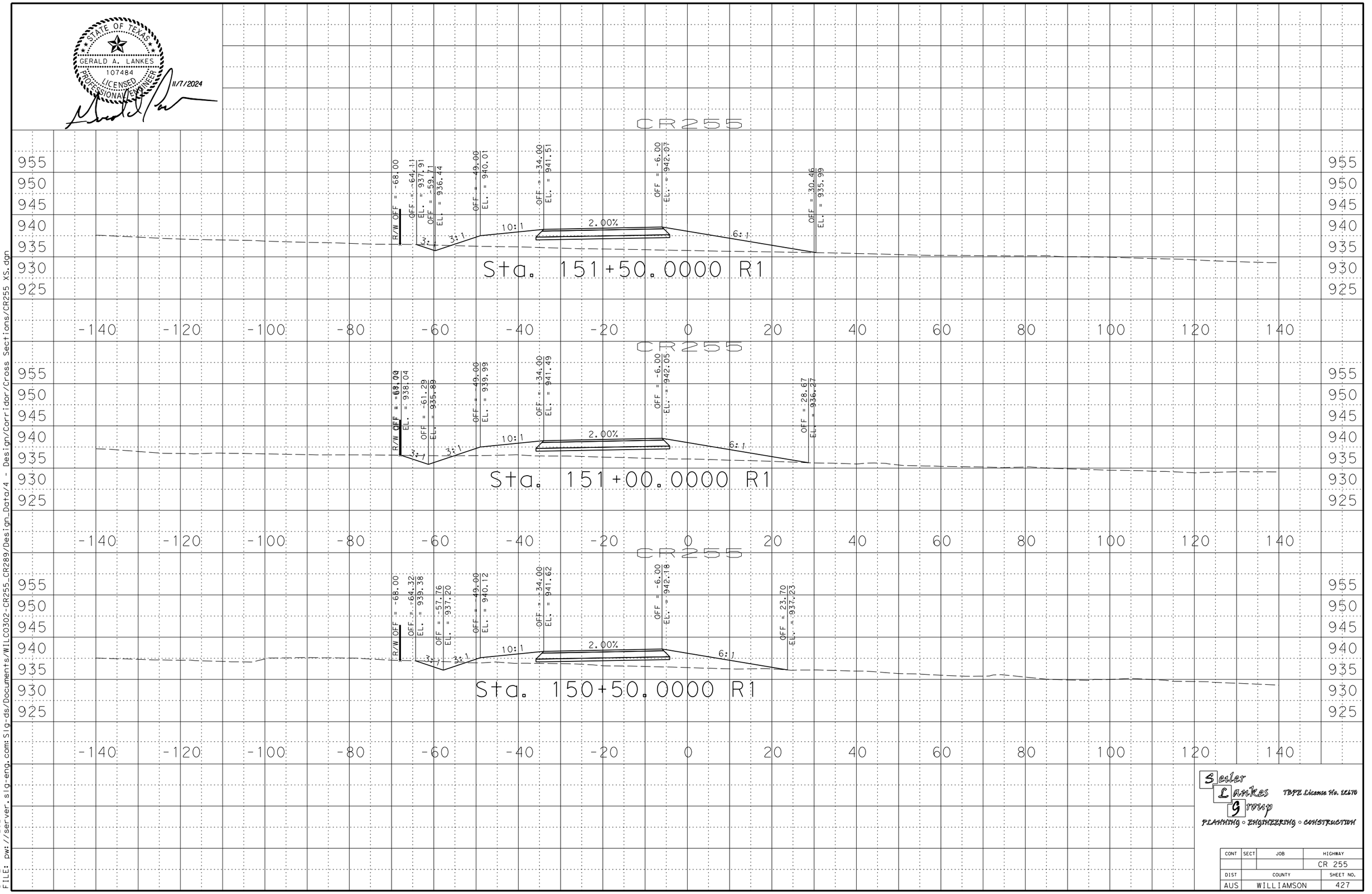

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		427

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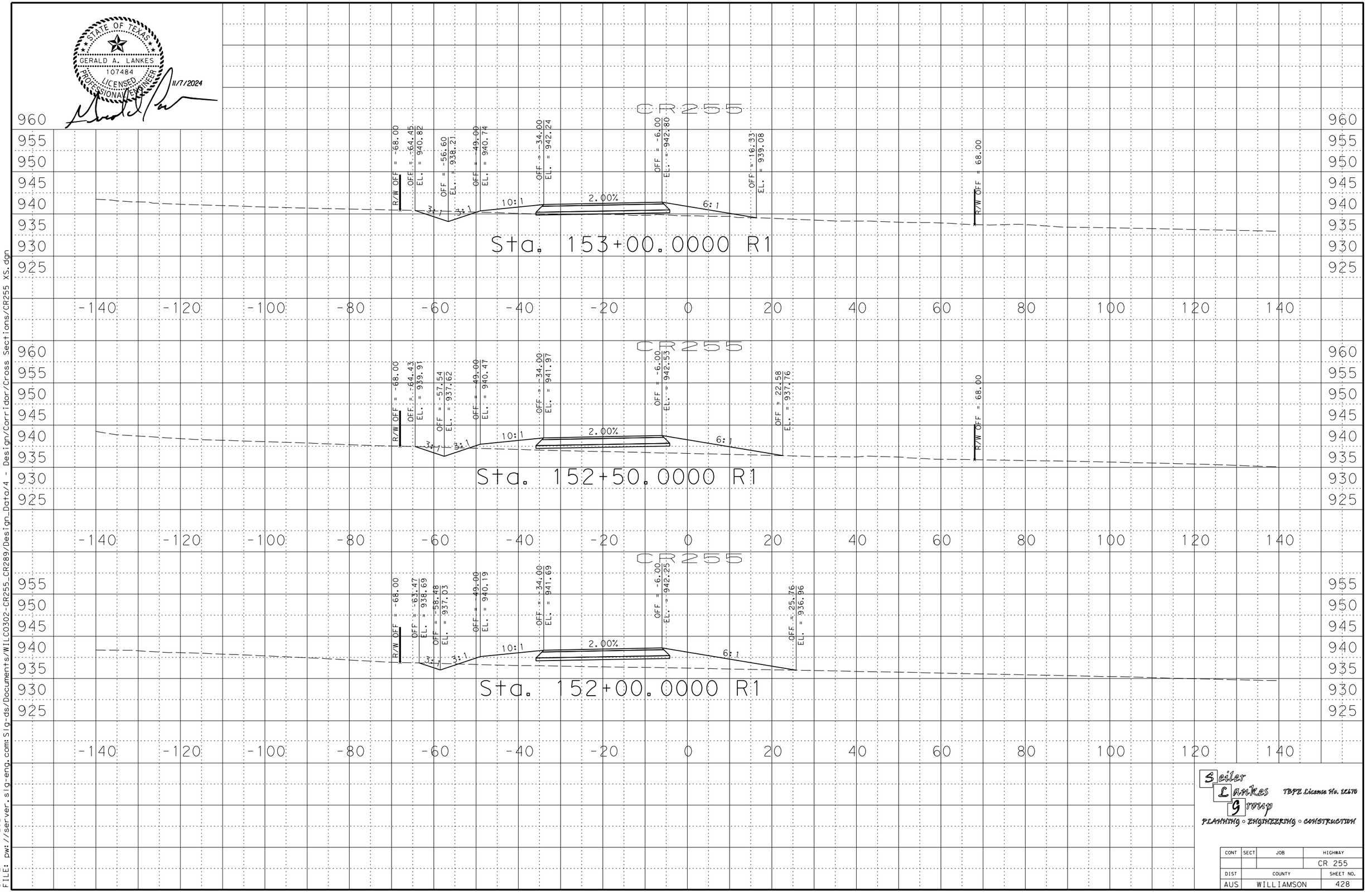

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		428

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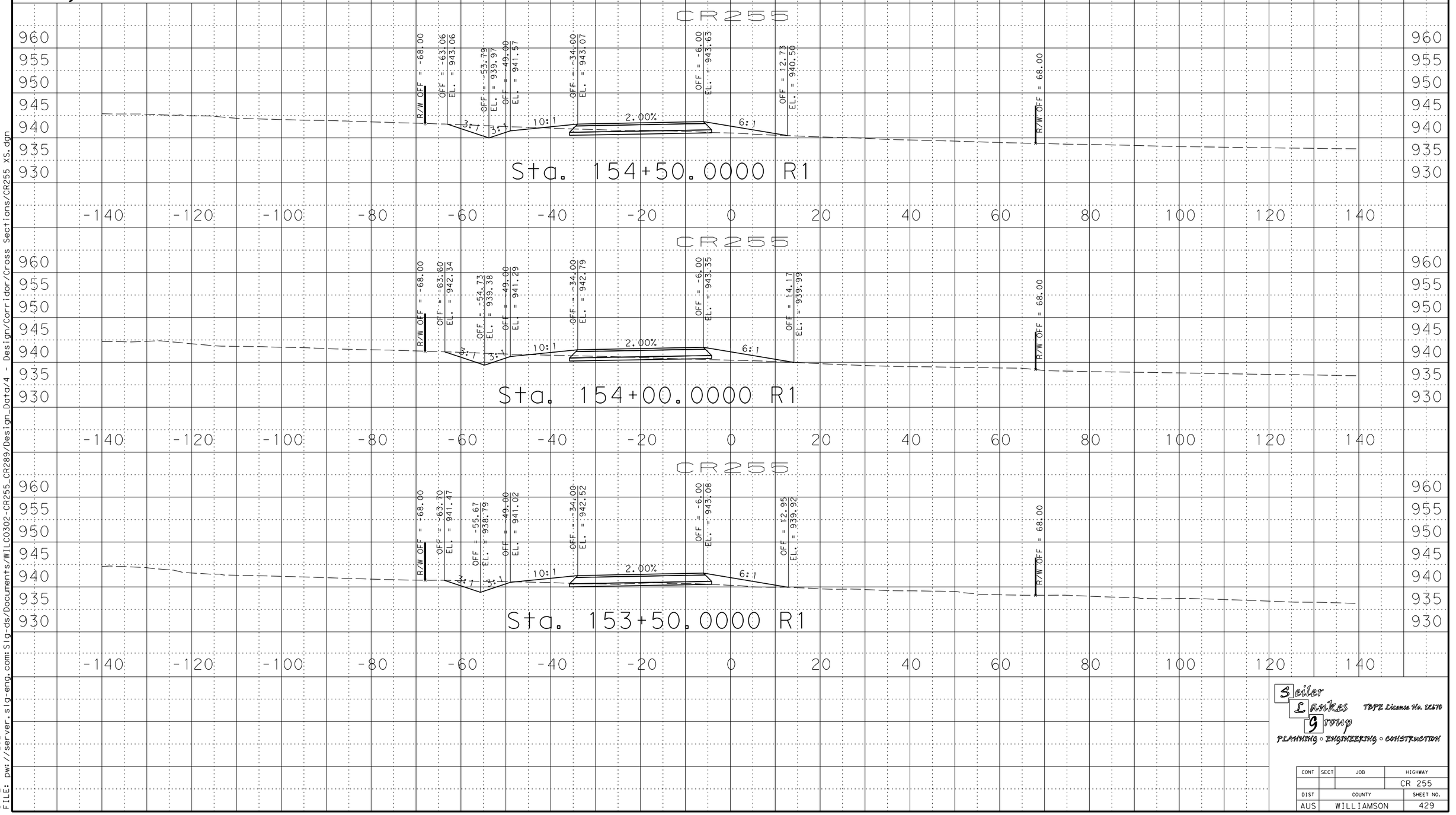

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		429

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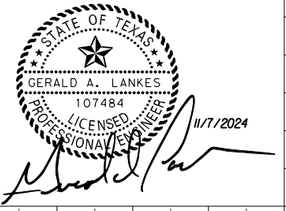

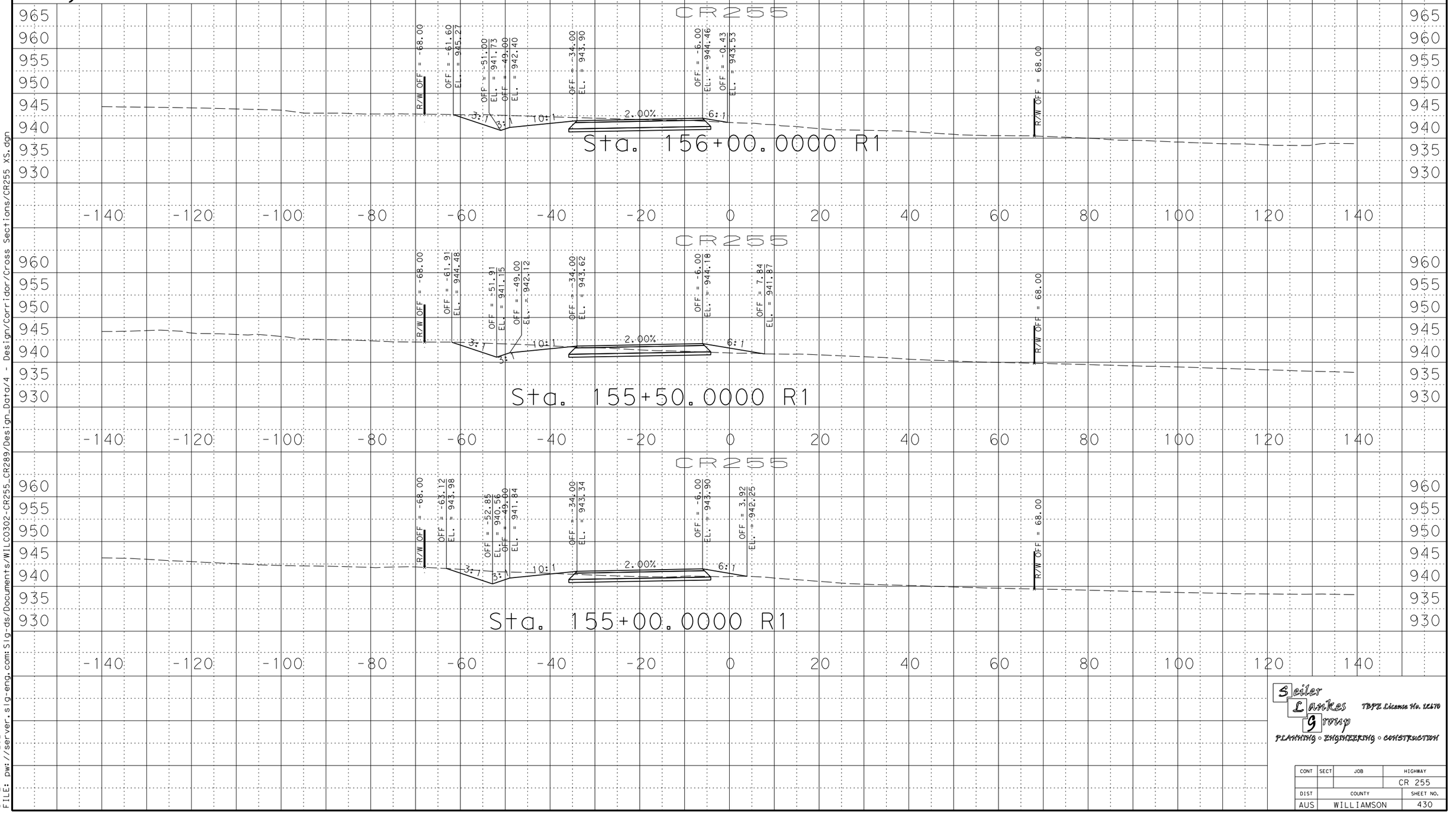

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		430

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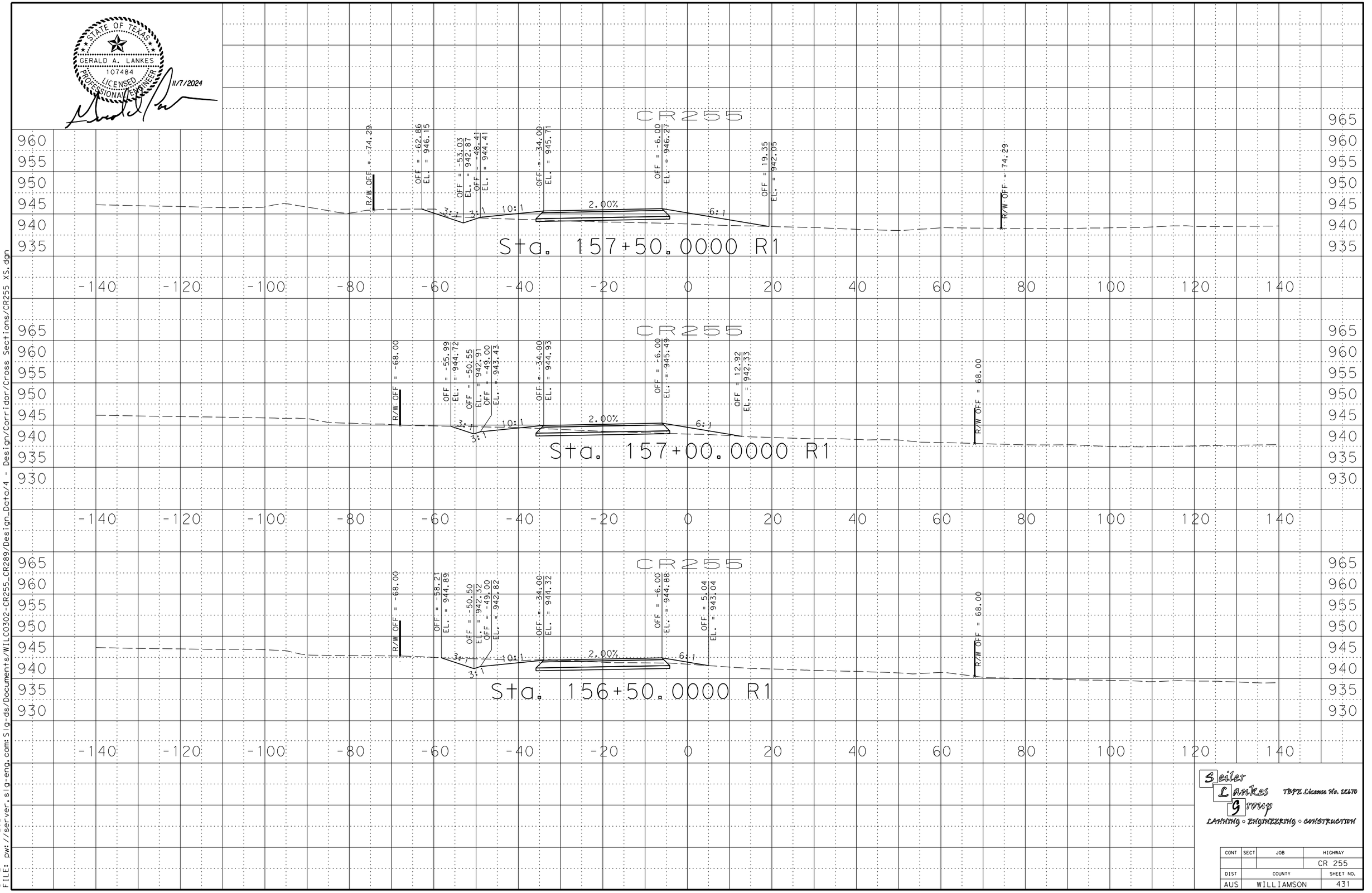

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		431

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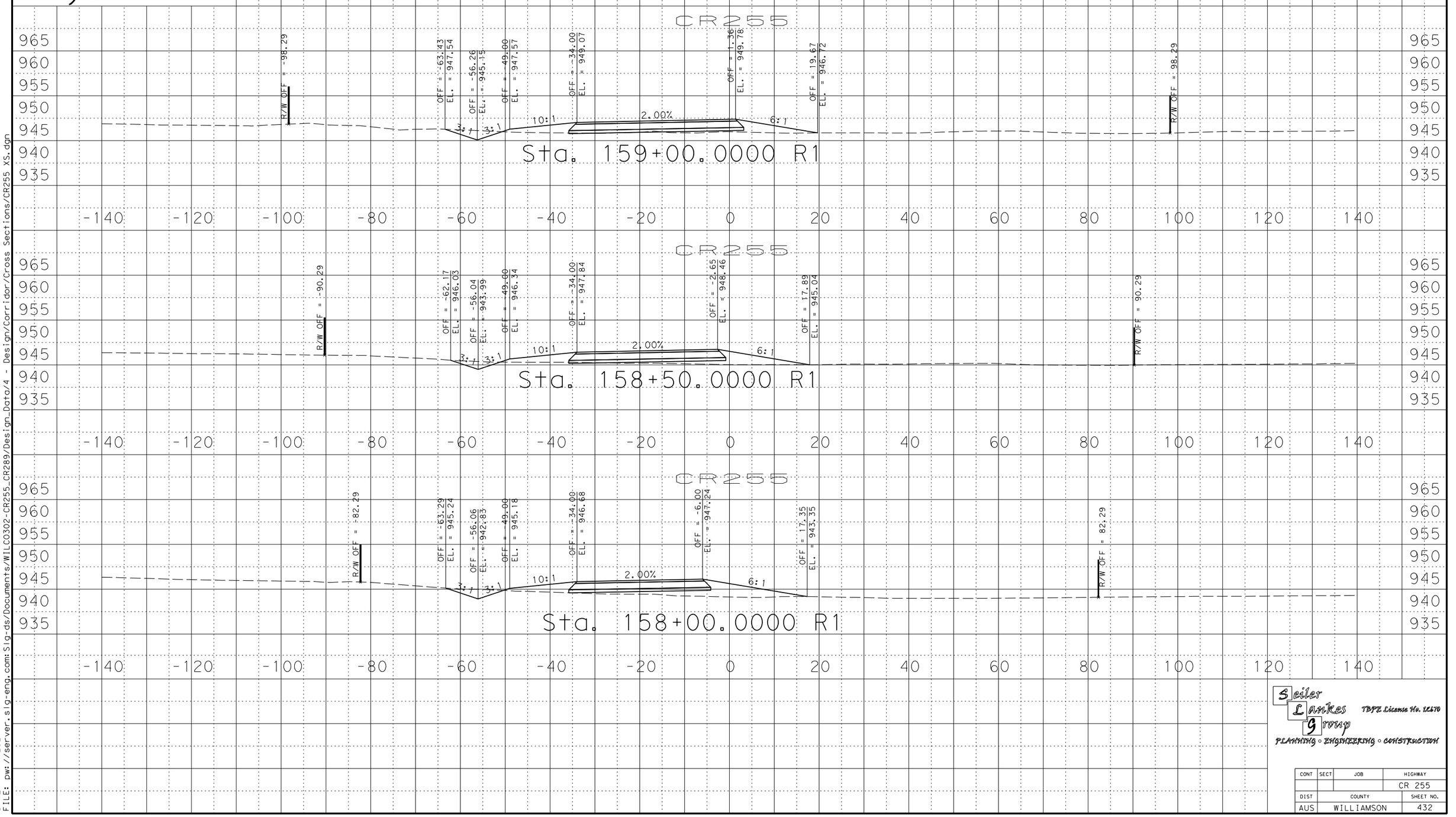

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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		432

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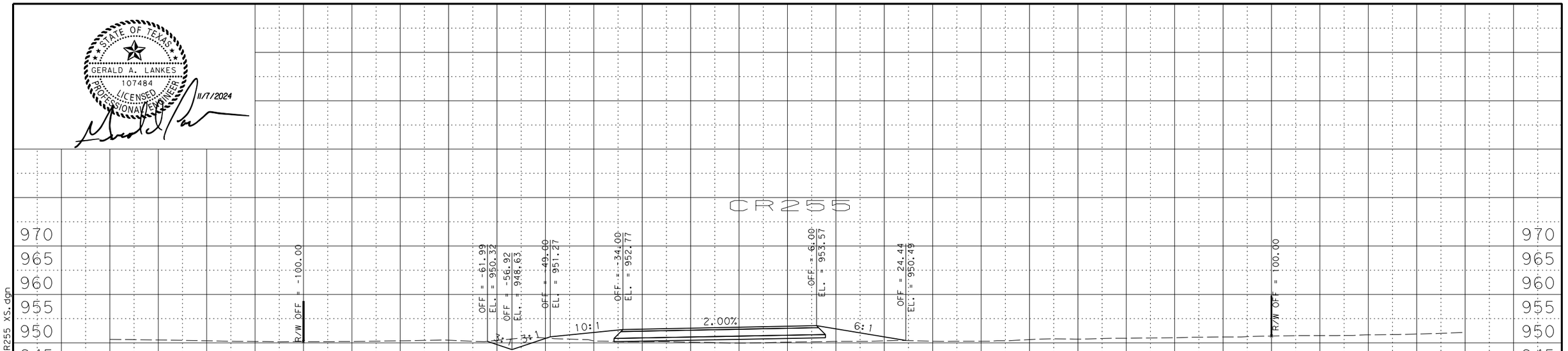

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		433

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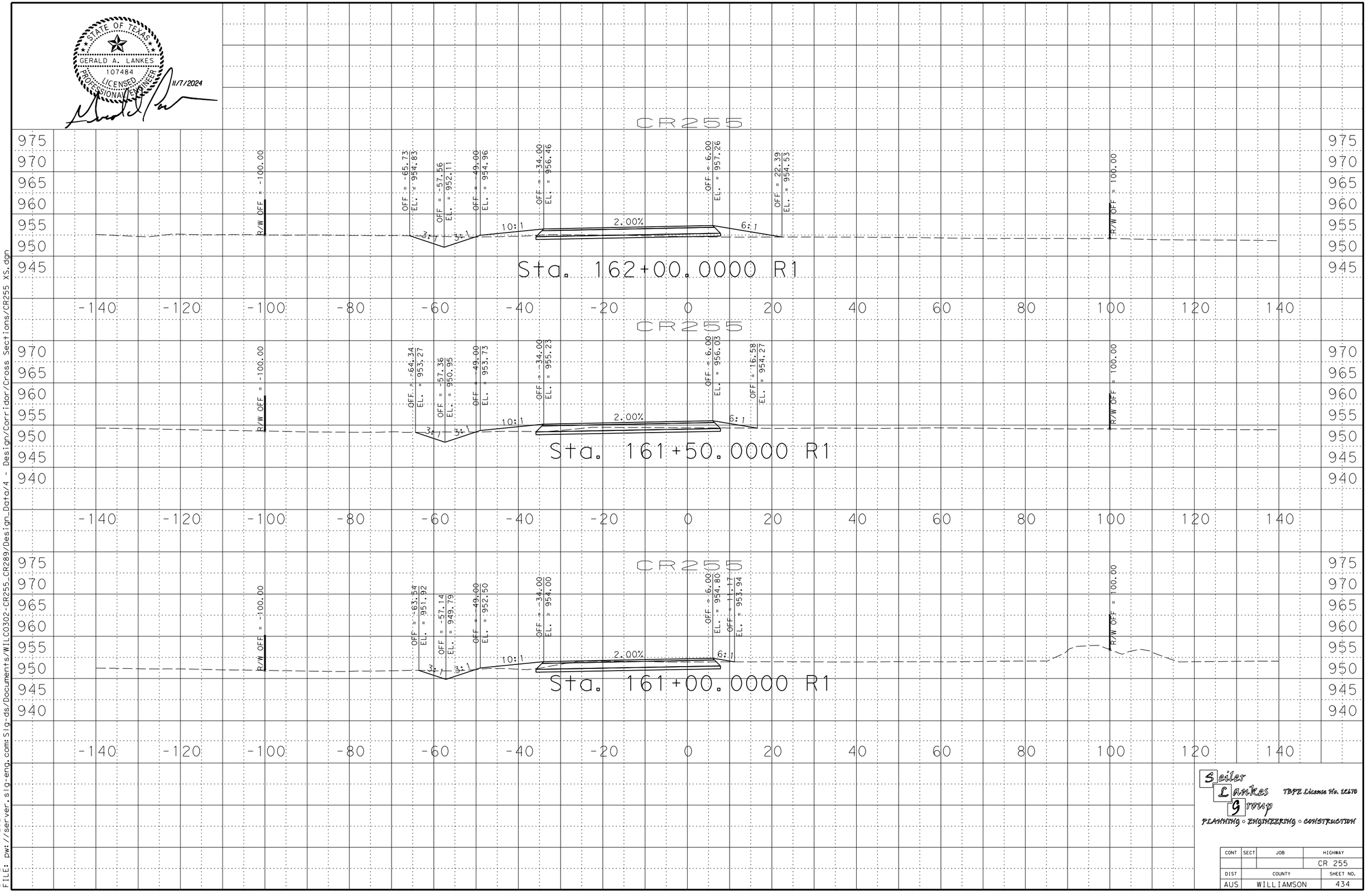

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			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		434

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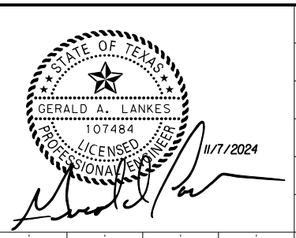

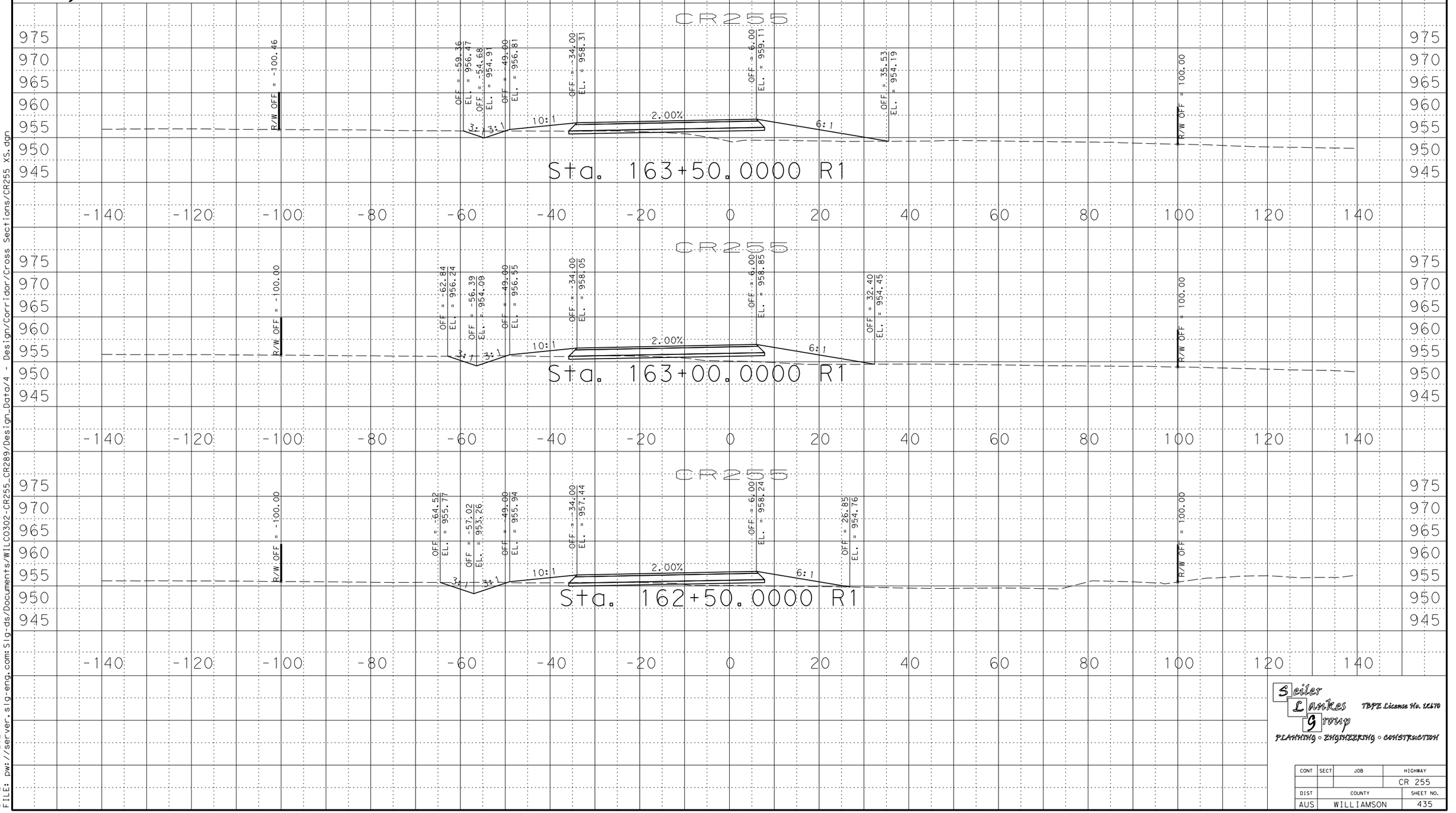

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DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		435

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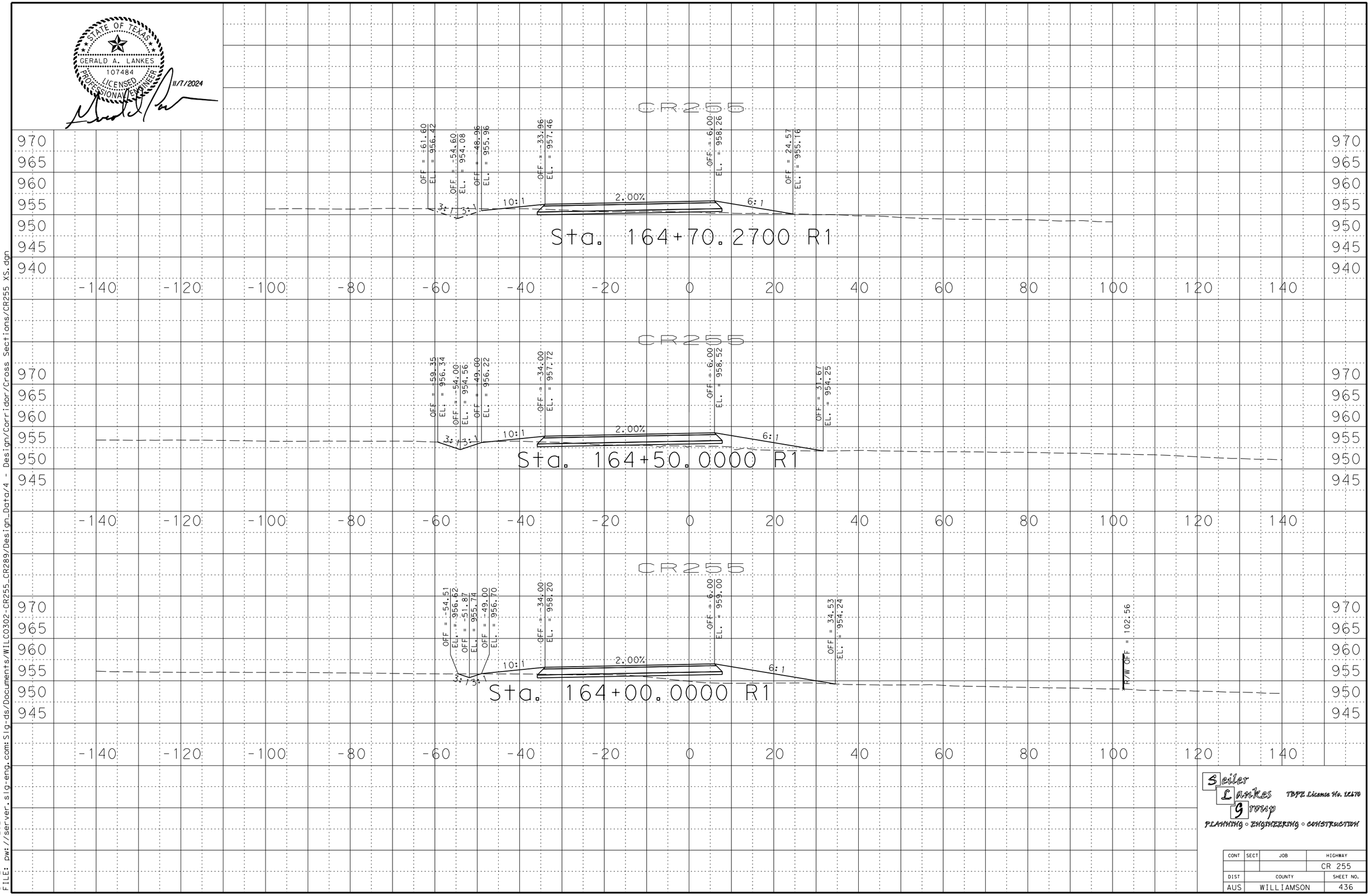

Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		436

DATE: 11/7/2024 12:58
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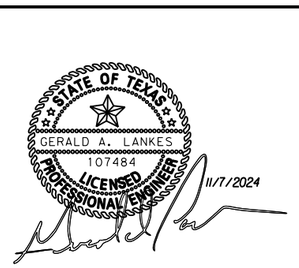

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DN: | CK: | DW: | CK:

Seiler Lankes Group
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CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		437

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024

CR289

R/W OFF = -77.48'

OFF = -31.59
EL. = 948.50

OFF = -25.66
EL. = 949.98

OFF = -0.00
EL. = 949.76

OFF = 47.76
EL. = 948.84

OFF = 61.50
EL. = 945.41

4:1 | 0.87% | -1.92% | 4:1

Sta. 13+50.0000 R1

CR289

R/W OFF = -92.5'

OFF = -25.73
EL. = 948.43

OFF = -17.84
EL. = 950.41

OFF = -0.00
EL. = 950.76

OFF = 14.42
EL. = 950.47

OFF = 44.94
EL. = 945.39

4:1 | -2.00% | -2.00% | 6:1

Sta. 13+00.0000 R1

CR289

R/W OFF = -107.53'

OFF = -26.89
EL. = 946.50

OFF = -14.00
EL. = 949.73

OFF = -0.00
EL. = 950.01

OFF = 14.00
EL. = 949.73

OFF = 41.69
EL. = 945.11

3:1 | 4:1 | -2.00% | -2.00% | 6:1

Sta. 12+50.0000 R1

Seiler Lankes Group
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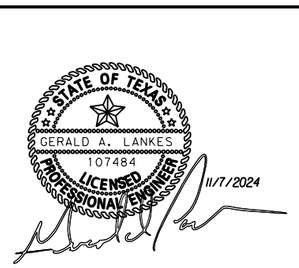
PLANNING • ENGINEERING • CONSTRUCTION

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		438

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/CR289_CORRIDOR.dgn

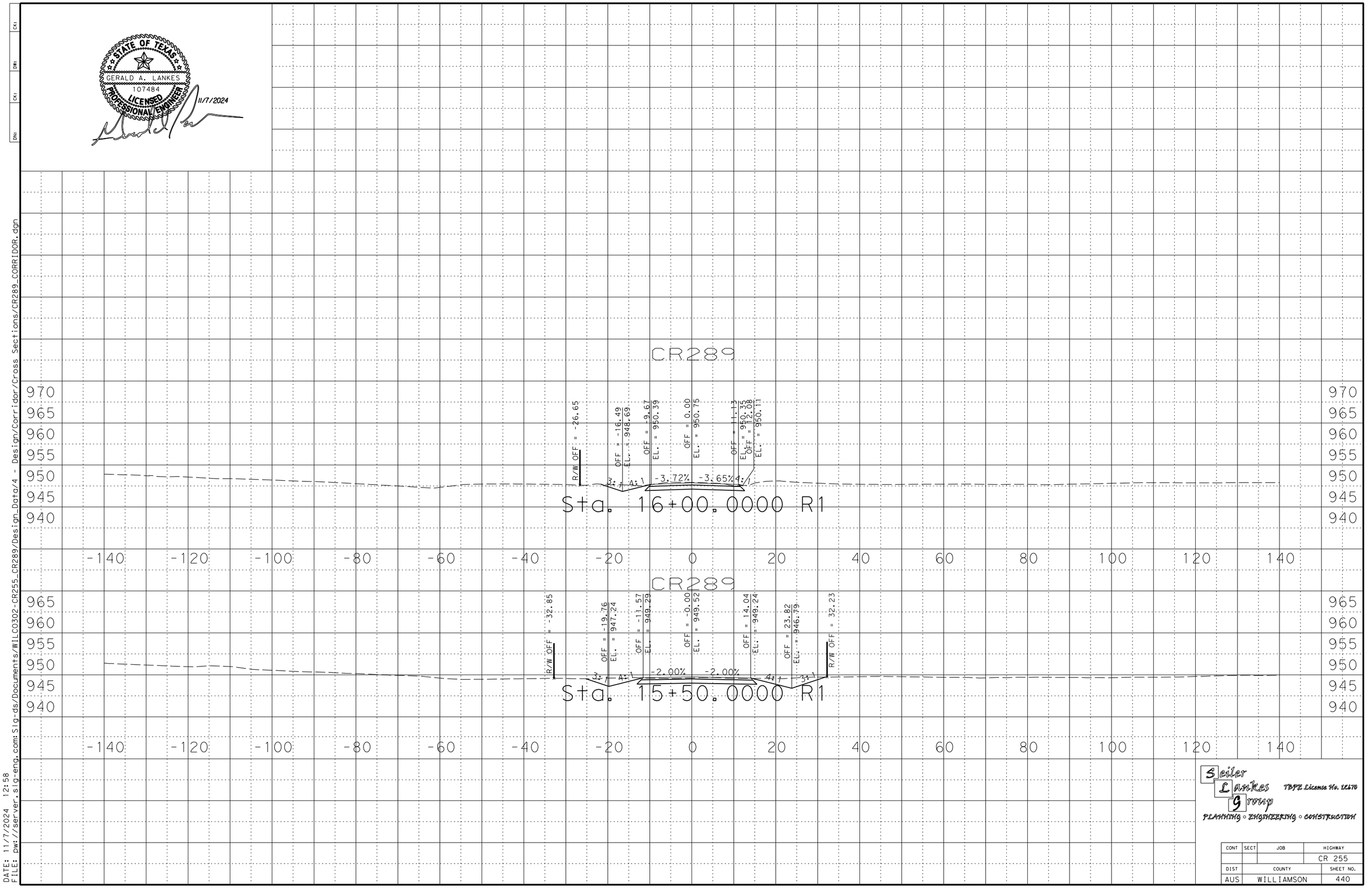


Seiler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		439

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/CR289_CORRIDOR.dgn

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED
PROFESSIONAL ENGINEER
11/7/2024



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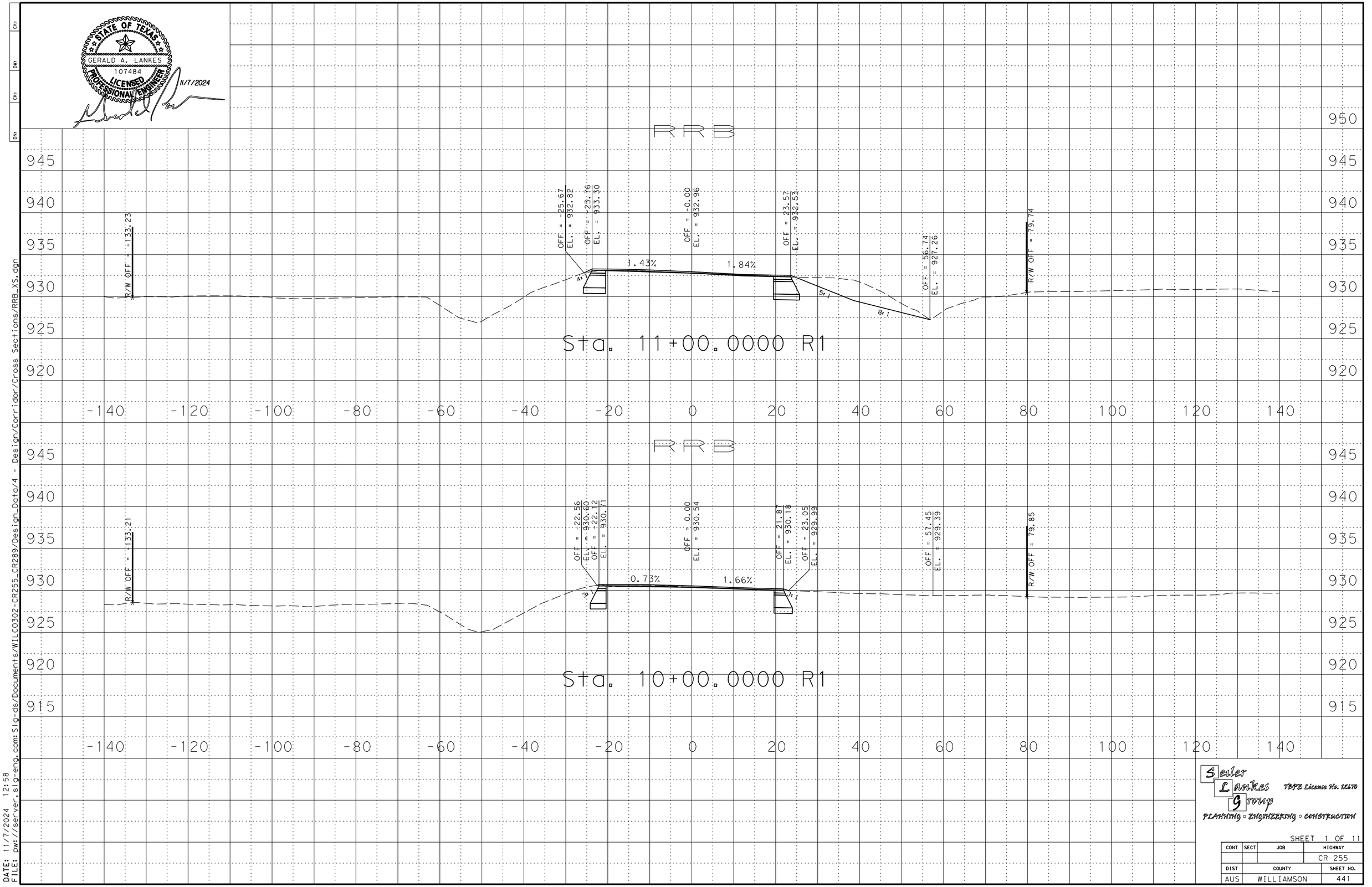
PLANNING ◦ ENGINEERING ◦ CONSTRUCTION

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		440

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/CR289_CORRIDOR.dgn

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024



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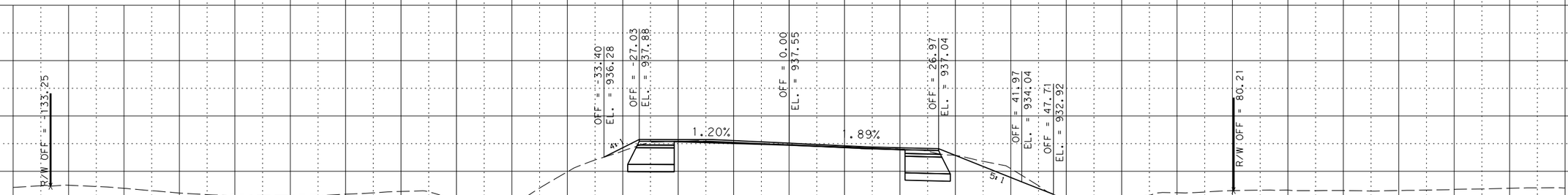
SHEET 1 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		441

DATE: 11/7/2024 12:58
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/RRB_XS.dgn

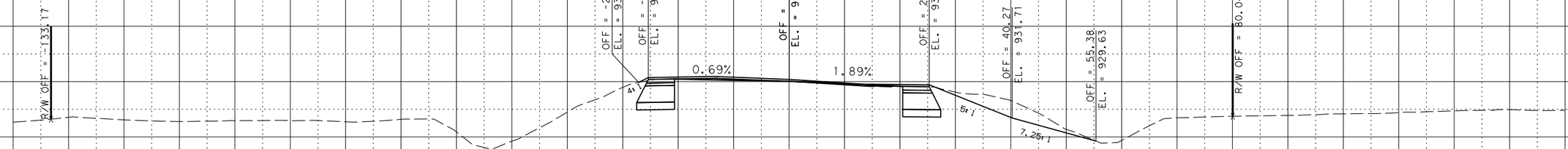
STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024

RRB



Sta. 13+00.0000 R1

RRB



Sta. 12+00.0000 R1

Seuler Lankes Group
TBPE License No. 12670
PLANNING • ENGINEERING • CONSTRUCTION

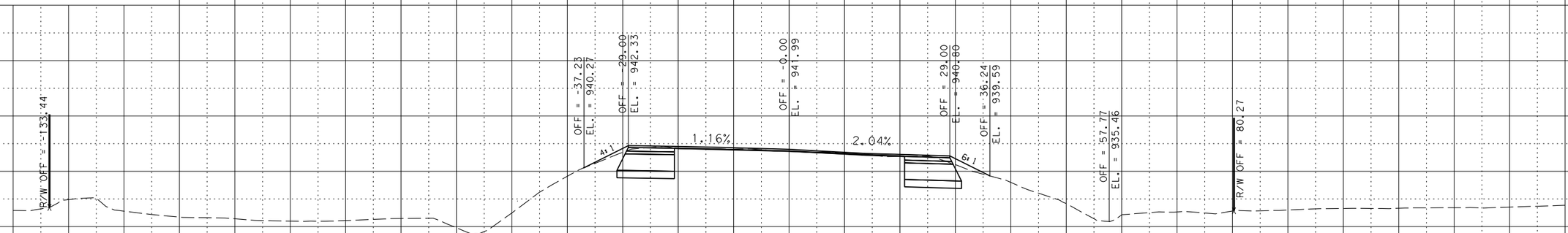
SHEET 2 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		442

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/RRB_XS.dgn

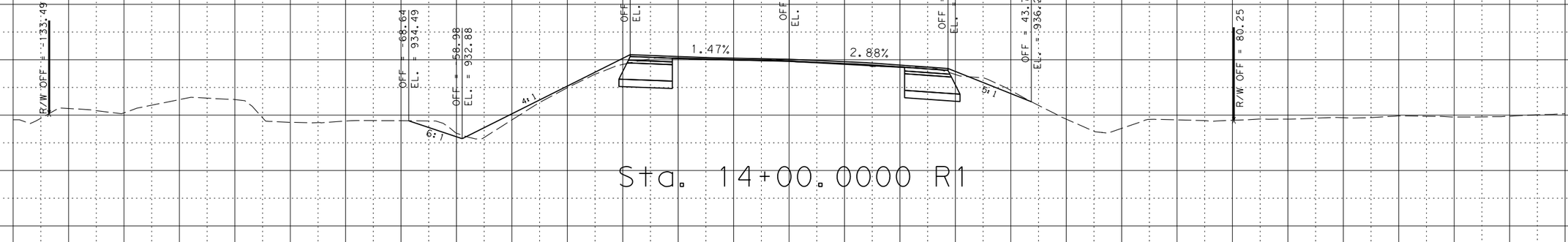
STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024

RRB



Sta. 15+00.0000 R1

RRB



Sta. 14+00.0000 R1

Seuler Lankes Group
TBPE License No. 12470
PLANNING • ENGINEERING • CONSTRUCTION

SHEET 3 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		443

DATE: 11/7/2024 12:58
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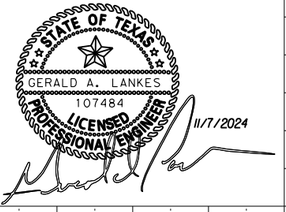
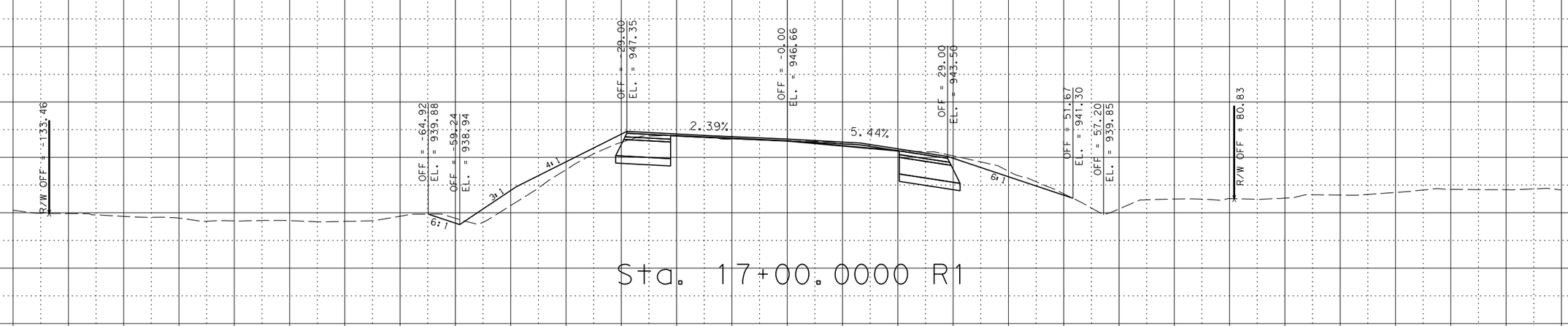
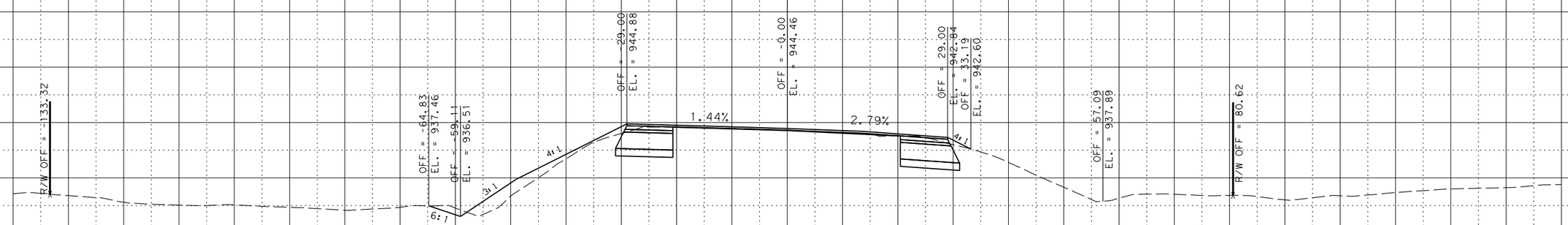


RRB



Sta. 17+00.0000 R1

RRB



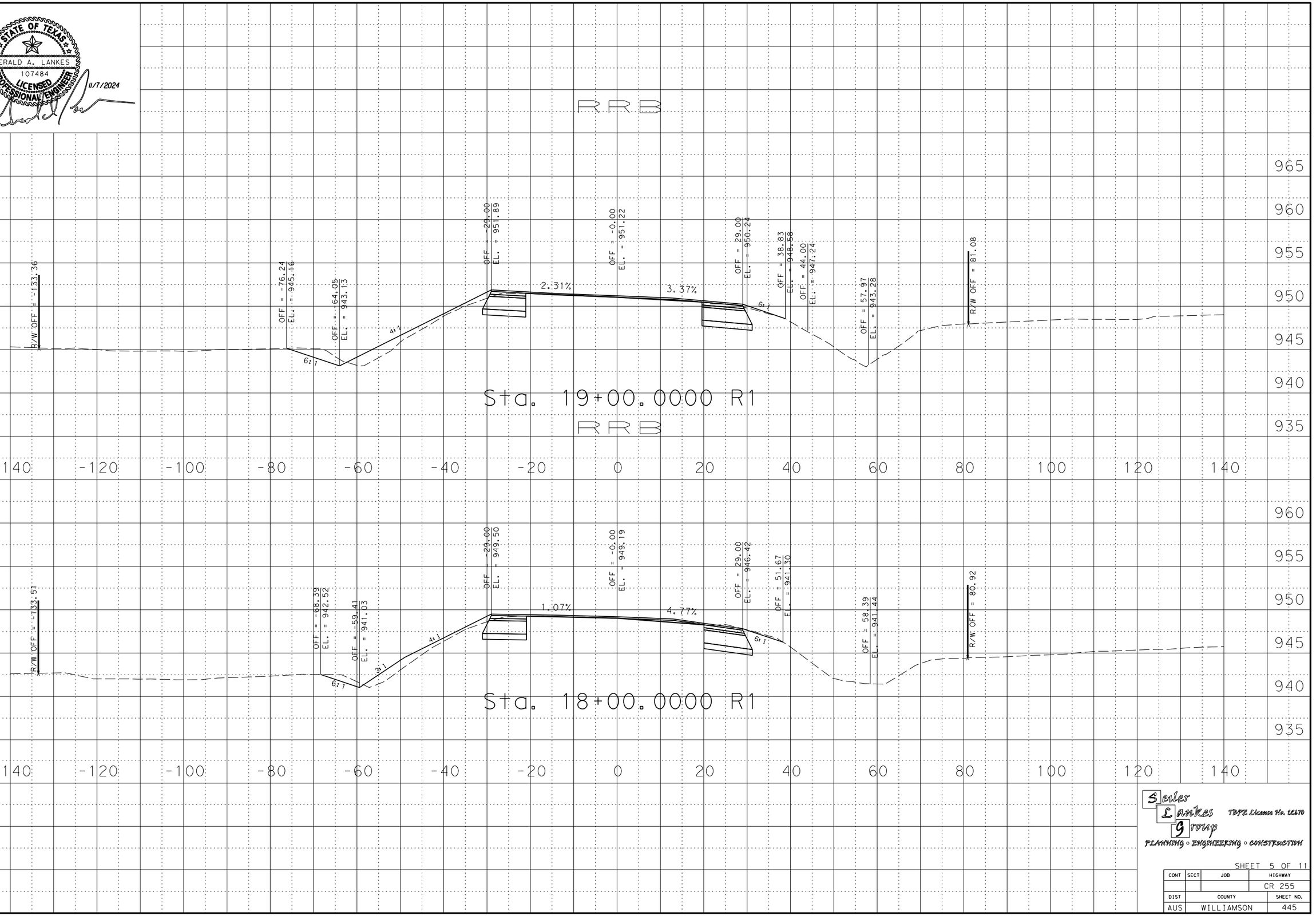
Sta. 16+00.0000 R1

Seiler Lankes Group
TBPE License No. 12670
PLANNING ◦ ENGINEERING ◦ CONSTRUCTION

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		444

DATE: 11/7/2024 12:58
FILE: pw://server.sig-eng.com:Sig-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/RRB_XS.dgn

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024



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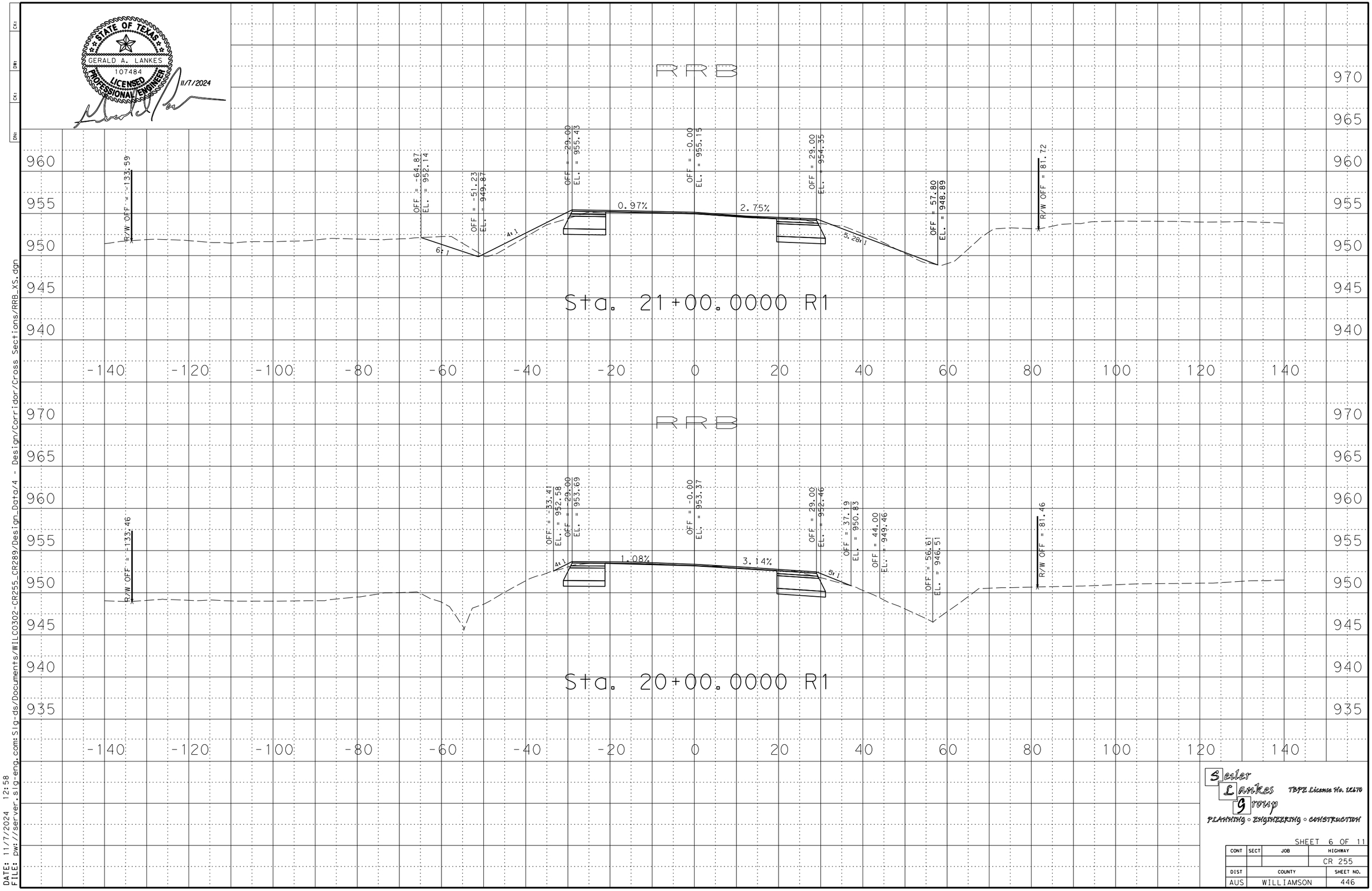
PLANNING • ENGINEERING • CONSTRUCTION

SHEET 5 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		445

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILCO302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/RRB_XS.dgn

STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024



Seiler Lankes Group
TBPE License No. 12170
PLANNING • ENGINEERING • CONSTRUCTION

SHEET 6 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		446

DATE: 11/7/2024 12:58
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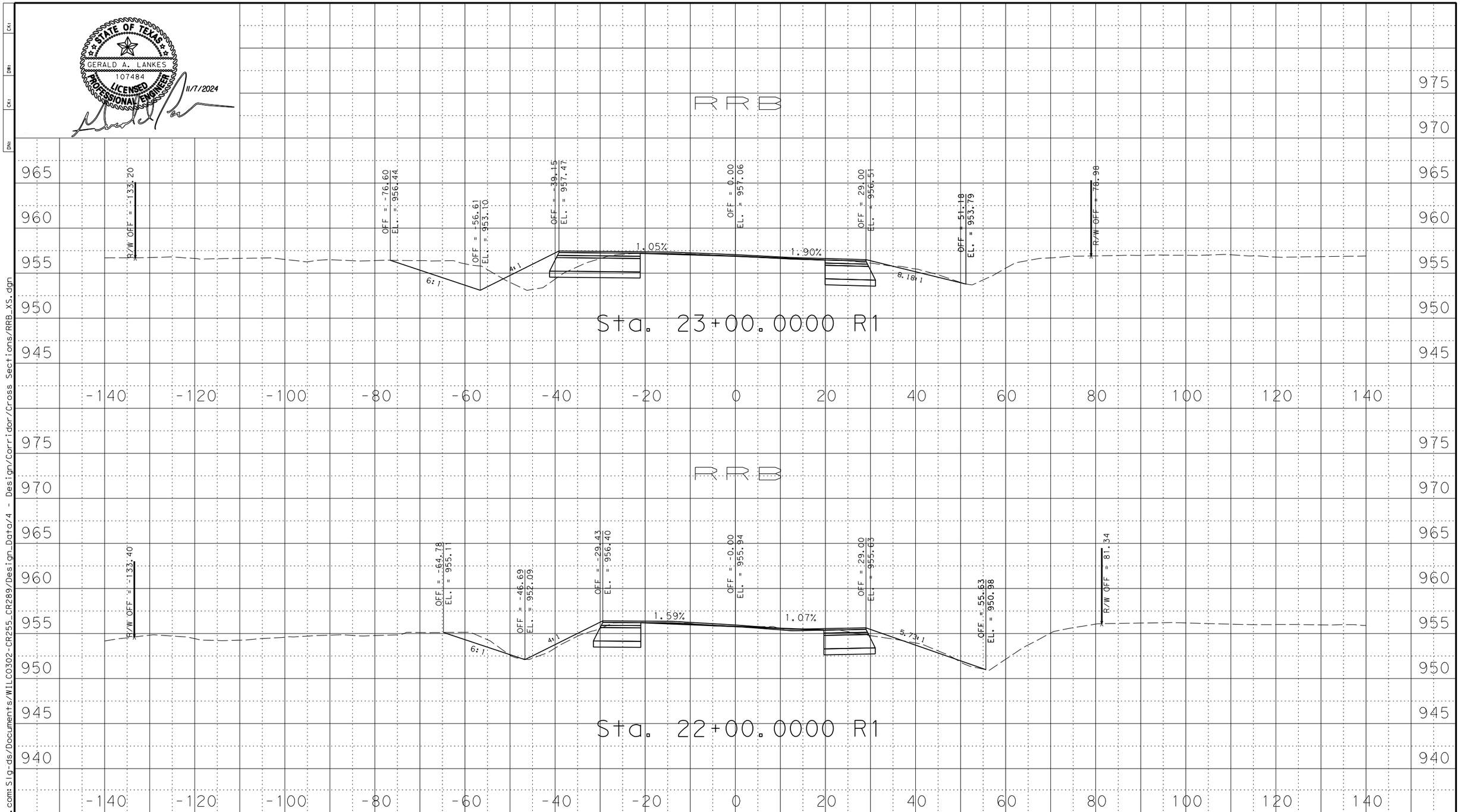

Seiler Lankes Group
TBPE License No. 12670
PLANNING ◦ ENGINEERING ◦ CONSTRUCTION

SHEET 7 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST		COUNTY	SHEET NO.
AUS		WILLIAMSON	447

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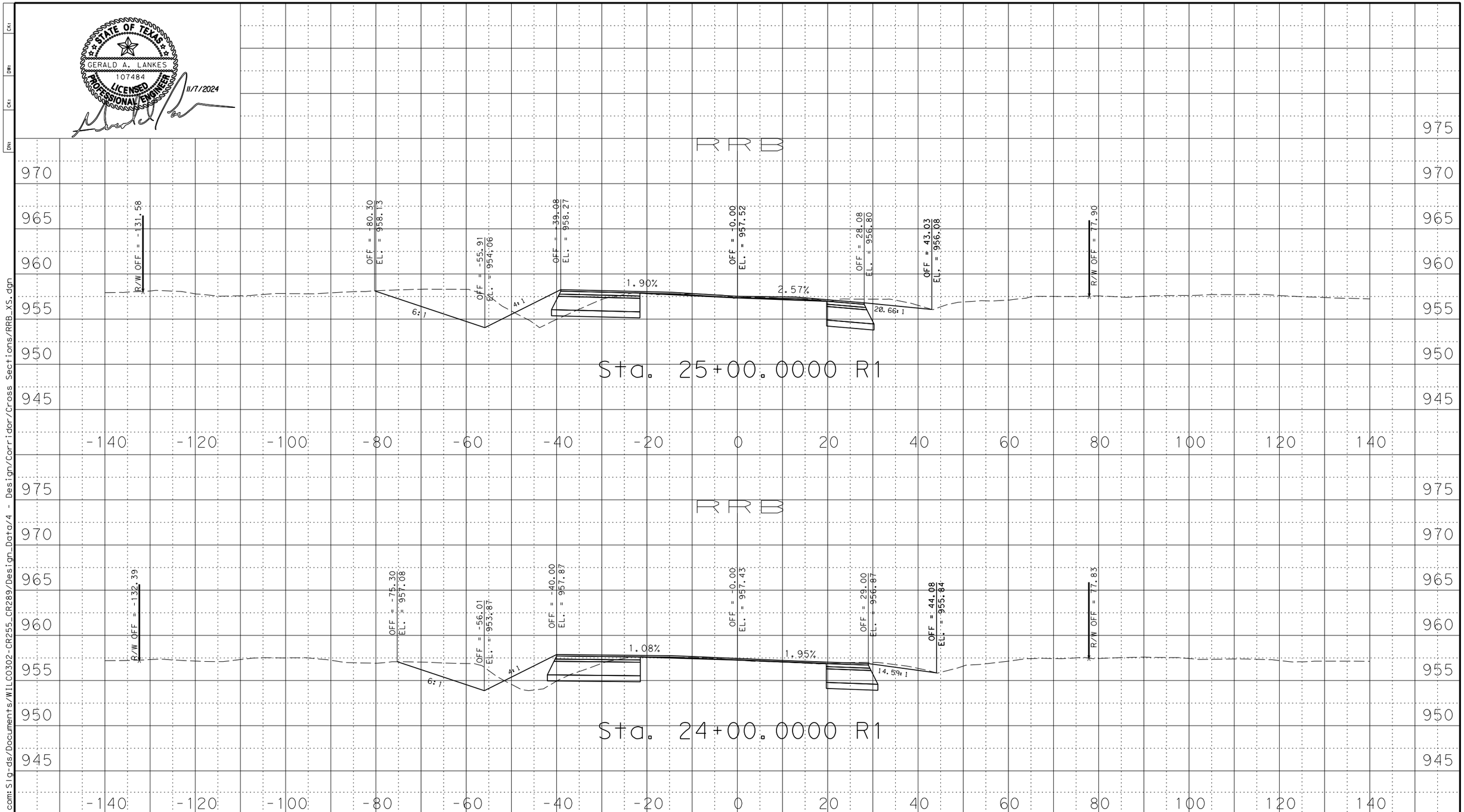

Seiler Lankes Group
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PLANNING ◦ ENGINEERING ◦ CONSTRUCTION

SHEET 8 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST		COUNTY	SHEET NO.
AUS		WILLIAMSON	448

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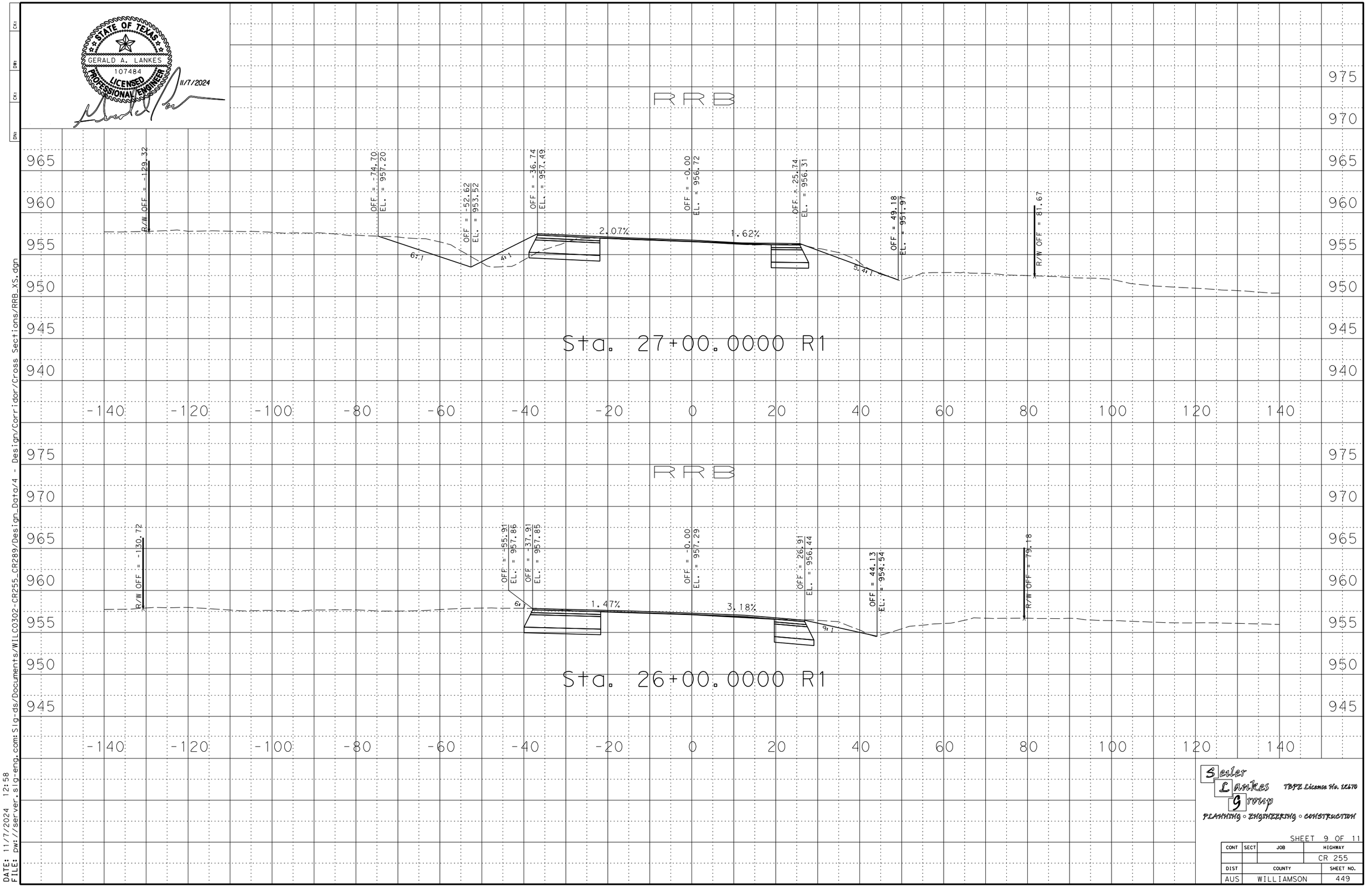
STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024



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TBPE License No. 12670
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SHEET 9 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		449

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STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024

RRB

R/W OFF = -127.88

OFF = -55.96
EL. = 949.35

OFF = -34.41
EL. = 954.74

OFF = 0.00
EL. = 954.02

OFF = 23.41
EL. = 953.60

OFF = 38.41
EL. = 950.60

OFF = 44.33
EL. = 949.61

OFF = 59.41
EL. = 945.19

R/W OFF = 88.35

4:1
2.09%
1.78%
5:1
6:1

Sta. 29+00.0000 R1

RRB

R/W OFF = -128.37

OFF = -52.07
EL. = 951.49

OFF = -35.58
EL. = 955.61

OFF = -0.00
EL. = 955.47

OFF = 24.58
EL. = 954.96

OFF = 39.58
EL. = 951.62

OFF = 52.74
EL. = 948.14

R/W OFF = 85.37

4:1
0.40%
2.07%
5:1
6:1

Sta. 28+00.0000 R1

Sealer Lankes Group
TBPE License No. 12670
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SHEET 10 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		450

DATE: 11/7/2024 12:58
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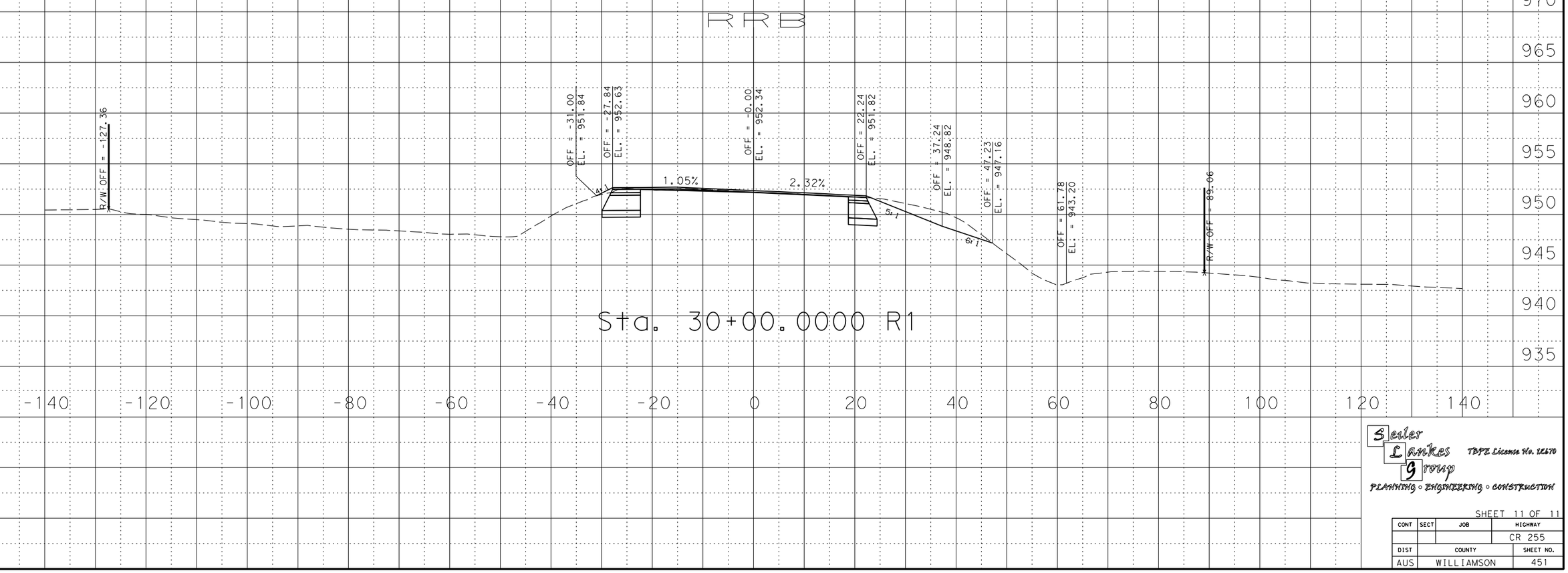
STATE OF TEXAS
GERALD A. LANKES
107484
LICENSED PROFESSIONAL ENGINEER
11/7/2024



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TBPE License No. 12670
PLANNING ◦ ENGINEERING ◦ CONSTRUCTION

SHEET 11 OF 11

CONT	SECT	JOB	HIGHWAY
			CR 255
DIST	COUNTY		SHEET NO.
AUS	WILLIAMSON		451

DATE: 11/7/2024 12:58
FILE: pw://server.slg-eng.com:Slg-ds/Documents/WILC0302-CR255_CR289/Design_Data/4 - Design/Corridor/Cross Sections/RRB_XS.dgn

SUMMARY OF SHEET INDEX:

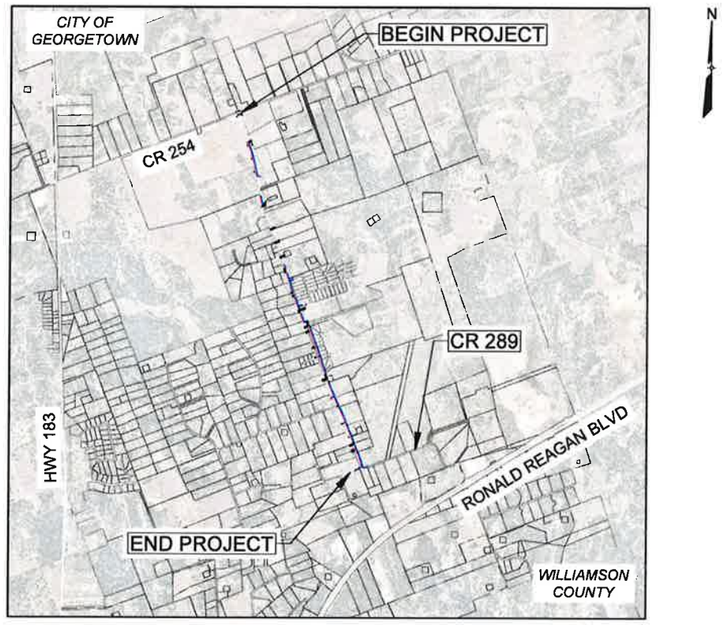
C-001	COVER
C-002	GENERAL NOTES
C-003	SUMMARY OF QUANTITIES (1 OF 2)
C-004	SUMMARY OF QUANTITIES (2 OF 2)
C-100	KEYMAP
C-101-114	EROSION AND SEDIMENTATION CONTROLS
C-200	WATERLINE "A" & "A2" RELOCATION
C-201-203	WATERLINE "B" RELOCATION
C-204	WATERLINE "C" RELOCATION
C-205-208	WATERLINE "D" RELOCATION
C-209	WATERLINE "E" RELOCATION
C-209	WATERLINE "F" RELOCATION
C-210-224	WATERLINE "G" RELOCATION
C-225	WATERLINE "H" RELOCATION
C-225	WATERLINE "I" RELOCATION
C-226	WATERLINE "J" RELOCATION
C-227	WATERLINE "K" RELOCATION
C-228	WATERLINE "L" RELOCATION
C-229	WATERLINE "M" RELOCATION
C-230	WATERLINE "N" RELOCATION
C-250-255	WATER SERVICES
C-260	RESTRAINED JOINT CALCULATIONS
C-500-502	STANDARD WATER DETAILS

WILLIAMSON COUNTY
CR 255
COGT WATER LINE RELOCATIONS
100% DESIGN

TOTAL LENGTH OF PROJECT: 13,203 LF

PROJECT LIMITS: CR 255 FROM CR 254 TO CR 289

CONSTRUCTION OF 2", 3", 8" ,12" , 16", 30" MAIN, 6" FIRE HYDRANT LEADS, AND 2" WATER SERVICE LINE. 12", 24", 30", 48" STEEL ENCASEMENT INSTALLED VIA OPEN TRENCH AND JACK/BORE, REQUIRED APPURTENANCES, AND CONNECTIONS TO THE EXISTING 2", 3", 12", 15" WATER LINES.



VICINITY MAP
(NOT TO SCALE)

REV. NO.	REVISION DESCRIPTION	(C)ORRECT, (A)DD, (V)OID SHEET NUMBERS	APPR'D BY:	DATE

OWNER INFORMATION

OWNER:
CITY OF GEORGETOWN, TEXAS
300 INDUSTRIAL AVENUE
GEORGETOWN, TEXAS 78626

CONTACT:
CHRIS POUSSON
512-930-8162

DESIGNER:
COBB FENDLEY
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759

CONTACT:
KRISTEN VAN HOOSIER, P.E.
512-646-4326

SUBMITTED FOR APPROVAL:

STATE OF TEXAS · KRISTEN VAN HOOSIER · 136882 · LICENSED PROFESSIONAL ENGINEER

NOVEMBER 15, 2024

KRISTEN VAN HOOSIER, P.E. DATE
COBBFENDLEY

APPROVALS:

11-15-24

CHRIS POUSSON DATE
CITY OF GEORGETOWN, TEXAS

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9798 | FAX 512.834.9553
WWW.COBBFENDLEY.COM

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\WUW\47_CR255\01\DESIGN\C-001-COVER.dwg -- Tab: LAYOUT1 -- Plotted: 11/13/2024 4:03 PM By: DENO DRULIAS

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF GEORGETOWN STANDARD SPECIFICATIONS.
2. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF GEORGETOWN MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
3. DESIGN PROCEDURES SHALL BE IN COMPLIANCE WITH THE CITY OF GEORGETOWN ENGINEERING DESIGN GUIDELINES AND UNIFIED DEVELOPMENT CODE. ALL WAIVERS OR VARIANCES ARE LISTED BELOW:
4. AFTER THE CONSTRUCTION PERMIT HAS BEEN ISSUED AND PRIOR TO THE BEGINNING CONSTRUCTION, THE OWNER OR HIS REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE CITY OF GEORGETOWN, DESIGN ENGINEER, CONTRACTOR(S), WILLIAMSON COUNTY (IF IN THE ETJ), OTHER UTILITY COMPANIES, AND ANY OTHER AFFECTED PARTIES. THE CITY OF GEORGETOWN SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE PROPOSED MEETING TIME (512-930-3569).
5. THE CONTRACTOR SHALL GIVE THE CITY OF GEORGETOWN CONSTRUCTION INSPECTOR AT LEAST 48 HOURS NOTICE BEFORE BEGINNING EACH PHASE OF CONSTRUCTION.
6. ANY CHANGES OR REVISIONS TO THESE APPROVED PLANS MUST BE SUBMITTED BY THE DESIGN ENGINEER AND APPROVED BY THE CITY OF GEORGETOWN PRIOR TO CONSTRUCTION OF THE REVISION.
7. ANY EXISTING UTILITIES, PAVEMENT, CURBS, SIDEWALKS, STRUCTURES, TREES, ETC., NOT PLANNED FOR DESTRUCTION OR REMOVAL OR OTHER PUBLIC INFRASTRUCTURE DAMAGED OR REMOVED WILL BE BY THE CONTRACTOR AT HIS EXPENSE BEFORE ACCEPTANCE OF THE SUBDIVISION.
8. BLASTING OR BURNING SHALL NOT BE PERMITTED ON THIS PROJECT.
9. THE CONTRACTOR SHALL VERIFY ALL DEPTHS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES WITH THE CONSTRUCTION PLANS FOUND IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER IMMEDIATELY. THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR REVISING THE PLANS AS APPROPRIATE AND SUBMITTING A REVISION TO THE CITY. USE ONE CALL UTILITY SYSTEM: DIAL 1-800-344-8377, 48 HOURS BEFORE YOU DIG.
10. EXCESS SOIL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CITY OF GEORGETOWN IF THE DISPOSAL SITE IS INSIDE THE CITY'S JURISDICTIONAL BOUNDARIES.
11. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. REVEGETATION OF ALL DISTURBED AREAS OR EXPOSED AREAS SHALL CONSIST OF SODDING OR SEEDING; AT THE CONTRACTOR'S OPTION.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT TEMPORARY EROSION CONTROLS ON A DAILY BASIS. ADJUST THE CONTROLS AND/OR REMOVE ANY SEDIMENT BUILDUP AS NECESSARY.
13. CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE.
14. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL APPLY FOR AND SECURE ALL PROPER PERMITS FROM THE APPROPRIATE AUTHORITIES.
15. ALL WET UTILITIES SHALL BE INSTALLED AND ALL DENSITIES MUST HAVE PASSED INSPECTIONS(S) PRIOR TO THE INSTALLATION OF DRY UTILITIES.
16. A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL PLANS SHALL BE SITE SPECIFIC AND BE SEALED BY A REGISTERED TEXAS PROFESSIONAL ENGINEER.

EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES, SITE WORK, AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF GEORGETOWN'S SUBDIVISION CODE AND CONSTRUCTION STANDARDS MANUAL, EXCEPT AS NOTED BELOW AND APPROVED BY CITY COUNCIL:
2. SLOPES SHALL BE SODDED OR SEEDED WITH THE APPROPRIATE GRASS, GRASS MIXTURES, OR GROUND COVER SUITABLE TO THE AREA AND SEASON TO WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF GEORGETOWN FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY ENGINEER, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.

UTILITY NOTES

1. THESE CONSTRUCTION PLANS WERE PREPARED, SEALED, SIGNED AND DATED BY A TEXAS LICENSED PROFESSIONAL ENGINEER. THEREFORE BASED ON THE ENGINEER'S CONCURRENCE OF COMPLIANCE, THE CONSTRUCTION PLANS FOR CONSTRUCTION OF THE PROPOSED PROJECT ARE HEREBY APPROVED SUBJECT TO THE STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS MANUAL AND ALL OTHER APPLICABLE CITY, STATE AND FEDERAL REQUIREMENTS AND CODES.
2. THIS PROJECT IS SUBJECT TO ALL CITY STANDARD SPECIFICATIONS AND DETAILS IN EFFECT AT THE TIME OF SUBMITTAL OF THE PROJECT TO THE CITY.
3. THE SITE CONSTRUCTION PLANS SHALL MEET ALL REQUIREMENTS OF THE APPROVED SITE PLAN.
4. WASTEWATER MAINS AND SERVICE LINES SHALL BE SDR 26 PVC.
5. WASTEWATER MAINS SHALL BE INSTALLED WITHOUT HORIZONTAL OR VERTICAL BENDS.
6. MAXIMUM DISTANCE BETWEEN WASTEWATER MANHOLES IS 500 FEET.
7. WASTEWATER MAINS SHALL BE LOW PRESSURE AIR TESTED AND MANDREL TESTED BY THE CONTRACTOR ACCORDING TO CITY OF GEORGETOWN AND TCEQ REQUIREMENTS.
8. WASTEWATER MANHOLES SHALL BE VACUUM TESTED AND COATED BY THE CONTRACTOR ACCORDING TO CITY OF GEORGETOWN AND TCEQ REQUIREMENTS.
9. WASTEWATER MAINS SHALL BE CAMERA TESTED BY THE CONTRACTOR AND SUBMITTED TO THE CITY ON DVD FORMAT PRIOR TO PAVING THE STREETS.
10. PRIVATE WATER SYSTEM FIRE LINES SHALL BE TESTED BY THE CONTRACTOR TO 200 PSI FOR 2 HOURS.
11. PRIVATE WATER SYSTEM FIRE LINES SHALL BE DUCTILE IRON PIPING FROM THE WATER MAIN TO THE BUILDING SPRINKLER SYSTEM, AND 200 PSI C900 PVC FOR ALL OTHERS.
12. PUBLIC WATER SYSTEM MAINS SHALL BE 150 PSI C900 PVC OR DI AND TESTED BY THE CONTRACTOR AT 150 PSI FOR 4 HOURS.
13. ALL BENDS AND CHANGES IN DIRECTION ON WATER MAINS SHALL BE RESTRAINED AND THRUST BLOCKED.
14. LONG FIRE HYDRANT LEADS SHALL BE RESTRAINED.
15. ALL WATER LINES ARE TO BE BACTERIA TESTED BY THE CONTRACTOR ACCORDING TO THE CITY STANDARDS AND SPECIFICATIONS.
16. WATER AND SEWER MAIN CROSSINGS SHALL MEET ALL REQUIREMENTS OF THE TCEQ AND THE CITY.
17. WHEN POSSIBLE, FOSTER ADAPTERS SHALL BE USED TO CONNECT PROPOSED GATE VALVES TO PROPOSED TEE FITTINGS.

CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUT DOWNS

WATERLINE SHUT DOWNS SHALL ONLY BE PERFORMED DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY. SHUT DOWNS NOT ALLOWED FROM MARCH THROUGH NOVEMBER.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

GENERAL NOTES

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-002

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-002-GNOT.dwg - Tab: GEN-NOTES - Plotted: 11/13/2024 4:03 PM By: DENO DRULIAS

Bid Item	501S-18	501S-24	501S-42	CIP11.06-B	W2.10.AR-2"	W2.10.AR-3"	W2.10.AR-4"	W1.17.AR-8"	W1.17.AR-12"	W1.17.AR-16"	W1.17.AR-30"	W1.17.A-8"	W1.17.A-12"	W1.17.A-30"	W1.17.B-2"	W1.17.C	W1.17.D-2"x2"	W1.17.D-8"x2"	W1.17.D-8"x8"	W1.17.D-12"x12"	W1.17.D-16"x15"	W1.17.D-30"x3-"	W1.17.F	W3.21.A-8"	W3.21.A-12"
Description	JACKING OR BORING, 18" STEEL PIPE, ASTM A134	JACKING OR BORING, 24" STEEL PIPE, ASTM A134	JACKING OR BORING, 48" STEEL PIPE, ASTM A134	TRENCH EXCAVATION SAFETY PROTECTION SYSTEM (ALL DEPTHS)	PIPE, 2" PVC SDR 21 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 3" PVC SDR 21 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 4" DIA. PVC C-900 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 8" DIA. PVC C-900 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 12" DIA. PVC C-900 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 16" DIA. PVC C-900 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 30" DIA. DI CL-200 (RESTRAINED), ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 8" DIA. PVC C-900, ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 12" DIA. PVC C-900, ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 30" DIA. DI CL-200, ALL DEPTHS, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	PIPE, 2" DIA. HDPE DR9, COMPLETE IN PLACE, INCLUDING EXCAVATION AND BACKFILL	DUCTILE IRON FITTINGS (C-153 WEIGHT SCHEDULE)	WET CONNECTIONS, 2"X2"	WET CONNECTIONS, 8"X2"	WET CONNECTIONS, 8"X8"	WET CONNECTIONS, 12"X12"	WET CONNECTIONS, 16"X15"	WET CONNECTIONS, 30"X30"	WATERLINE MARKER	VALVES, GATE 8" DIA.	VALVES, GATE 12" DIA.
Sheet	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	TON	EA	EA	EA	EA	EA	EA	EA	EA	EA
C-200		53		171		4	10		210							0.66							1		4
C-201				410					173				237			0.22							1		3
C-202				450					266				184												1
C-203				412					204				208			0.29							1		3
C-204				405					364				41			0.53							2		4
C-205				400					156				244			0.15				1					1
C-206				400					341				59			0.41									4
C-207				400					45				355			0.06									
C-208				304					292	4	8					0.38									
C-209	55	63		150				135	132	1						0.61			1		1			2	2
C-210				402							402					1.63									
C-211				450							450					1.92									
C-212				450							450					1.44									
C-213				450							450					0.37									
C-214				450							446			4		0.37									
C-215				450							369			81		2.77									
C-216				400							368			32		0.36									
C-217				450				57		2	262			129		1.58									
C-218				450				341				109				0.128								1	
C-219				450								450													
C-220				400								400													
C-221				400				100				300				0.04								1	
C-222				400								400													
C-223				350								350				0									
C-224				247	5			214				28				0.25		1						2	
C-225				170				20			150					0.51			1			1		1	
C-226	53			106	4			155								0.12		1						1	
C-227			72	103						31	144					1.72					1				
C-228	45			303	3			267				78				0.21		1						1	
C-229				27	3		2	22								0.05	1							1	
C-230				35				35								0.05			1						
C-250				623											623										
C-251				187											187										
C-252				255											255										
C-253				417											417										
C-254				429											429										
C-255				410											410										
TOTAL =	153	116	72	12766	15	4	12	1346	2183	38	3499	2115	1328	246	2321	16.8	1	3	3	1	2	1	5	10	22

Bid Item	W3.21.A-30"	W3.21.B	W3.21.E-2"	W4.05-4"	W4.05-18"	W4.05-24"	W4.05-48"	SP.W2.10.A-2"	SP.W2.10.A-3"	SP.W2.10.A-8"	SP.W1.17.A-12"	SP.W2.10.A-15"	SP.W3.21.A	SP.W3.21.B	SP.W3.21.C-3"x3"	SP.W3.21.C-12"x12"	SP.W3.21.C-30"x8"	SP.W3.21.D-3"	SP.W3.21.D-12	SP.W3.21.G-2"	SP.W3.21.G-12"	SP.W3.21.G-15"	SP.W3.21.H-8"	SP.W3.21.I	SP.W1.17.A	G4.05.C
Description	VALVES, GATE 30" DIA.	FIRE HYDRANT ASSEMBLY, INCLUDING 6" GATE VALVE, 6" LEAD PIPE, AND FITTINGS	COMBINATION AIR VALVE AND VAULT, 2"	ENCASEMENT PIPE, 4" DIA., STEEL	ENCASEMENT PIPE, 18" DIA., STEEL	ENCASEMENT PIPE, 24" DIA., STEEL	ENCASEMENT PIPE, 48" DIA., STEEL	RESTRAIN EXISTING PVC PIPE, 2" DIAMETER	RESTRAIN EXISTING PVC PIPE, 3" DIAMETER	RESTRAIN EXISTING PVC PIPE, 8" DIAMETER	RESTRAIN EXISTING DI PIPE,12" DIAMETER	RESTRAIN EXISTING PVC PIPE, 15" DIAMETER	WATER SERVICE RECONNECTION	WATER METER RELOCATION AND RECONNECTION	PRESSURE TAP, 3"X3", INCLUDING 2" TAPPING SLEEVE, 3" GATE VALVE	PRESSURE TAP, 12"X12", INCLUDING 12" FULL-BODY SLEEVE WITH 12" GATE VALVE	PRESSURE TAP, 30"X8", INCLUDING 30" FULL-BODY SLEEVE WITH 8" GATE VALVE	LINE STOP, 3"	LINE STOP, 12"	PVC C-900 TO PVC SDR-21/26 TRANSITION ADAPTER, 2" DIA.	PVC C-900 TO PVC SDR-21/26 TRANSITION ADAPTER, 12" DIA.	PVC C-900 TO PVC SDR-21/26 TRANSITION ADAPTER, 15" DIA.	FOSTER ADAPTER, 8" DIA.	NEW WATER METER INSTALLATION	16"X14" REDUCING COUPLING	CONCRETE TRENCH CAP (6" THICK, 2000 PSI)
Sheet	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF
C-200		1				47			1		2				1	2		1	2							31
C-201											1					1			1							10
C-202																										
C-203		1									1					1			1							11
C-204			1													2			2							61
C-205		1									1										1					
C-206		1	1																							
C-207		1																								
C-208	1																									
C-209	1				51	43				1		1													1	
C-210	3						23																			
C-211	2	1					220																			
C-212	2	1					75																			
C-213	2		1																							
C-214	2																									
C-215	1	1					45																			
C-216	1	1																								
C-217	2						82																			
C-218		1			102																					
C-219																										
C-220																										
C-221		1																								
C-222			1																							
C-223																										
C-224		1	1		50			1												1						
C-225	1						101			1																
C-226		1			56			1												1						
C-227	1	1	1				33					1										1			1	18
C-228					45			1												1						
C-229								1												1			1			
C-230																	1									
C-250				388										4												
C-251				103										5												
C-252				105									1	1												
C-253				307									4	1										1		
C-254				287									0	6												
C-255				306									3	2												
TOTAL =	19	14	6	1496	304	90	579	4	1	2	5	2	8	19	1	6	1	1	6	4	1	1	1	1	2	131

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

SUMMARY OF QUANTITIES (1 OF 2)

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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SHEET
C-003

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-002-GNOT.dwg -- Tab: WL-SOQ-1 -- Plotted: 11/13/2024 4:03 PM By: DENO DRULIAS

Bid Item	160 WC02	161 WC01	162 WC03	164 WC04	164 WC05	166 6002	168 WC01	0506 6002	0506 6011	0506 6038	0506 6039
Description	FURNISHING AND PLACING TOPSOIL (4")	EROSION CONTROL COMPOST (3")	MULCH TOPDRESSING (5")	SEEDING FOR EROSION CONTROL (TEMP)(COOL)(TY 4)	SEEDING FOR EROSION CONTROL (PERM)(WARM)(TY 5)	FERTILIZER	VEGETATIVE WATERING	ROCK FILTER DAMS (INSTALL)(TY 2)	ROCK FILTER DAMS (REMOVE)	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)
Sheet	SY	SY	SY	SY	SY	TON	MG	LF	LF	LF	LF
C-101	2367	592	592	1184	2367	0.15	71.0				
C-102	2674	669	669	1337	2674	0.17	80.2				
C-103	2745	686	686	1373	2745	0.17	82.4			549	549
C-104	2626	657	657	1313	2626	0.16	78.8			57	57
C-105	565	141	141	283	565	0.04	17.0			407	407
C-106	1550	388	388	775	1550	0.10	46.5			613	613
C-107	1003	251	251	502	1003	0.06	30.1			153	153
C-108	3319	830	830	1660	3319	0.21	99.6				
C-109	3137	784	784	1569	3137	0.20	94.1				
C-110	3339	835	835	1670	3339	0.21	100.2	20	20	322	322
C-111	2760	690	690	1380	2760	0.17	82.8			888	888
C-112	2754	689	689	1377	2754	0.17	82.6			799	799
C-113	2838	710	710	1419	2838	0.18	85.1			37	37
C-114	1603	401	401	802	1603	0.10	48.1				
TOTAL =	33280	8320	8320	16640	33280	2.08	998.4	20	20	3825	3825

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9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

SUMMARY OF QUANTITIES (2 OF 2)

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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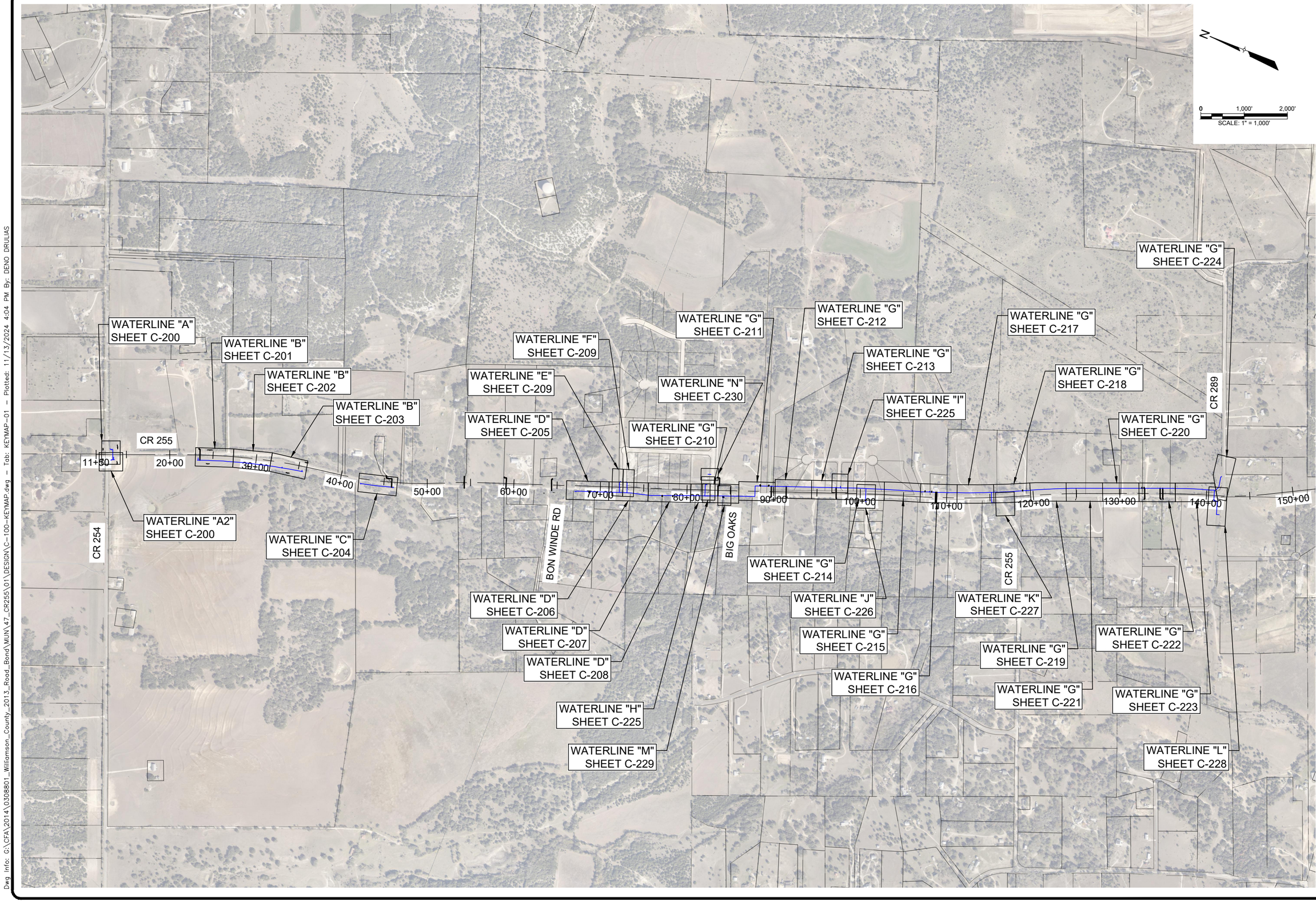
SHEET
C-004

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-002-GNOT.dwg -- Tab: ENS-SOQ -- Plotted: 11/13/2024 4:03 PM By: DENO DRULIAS



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512.834.9789 | FAX 512.834.7727
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KEYMAP

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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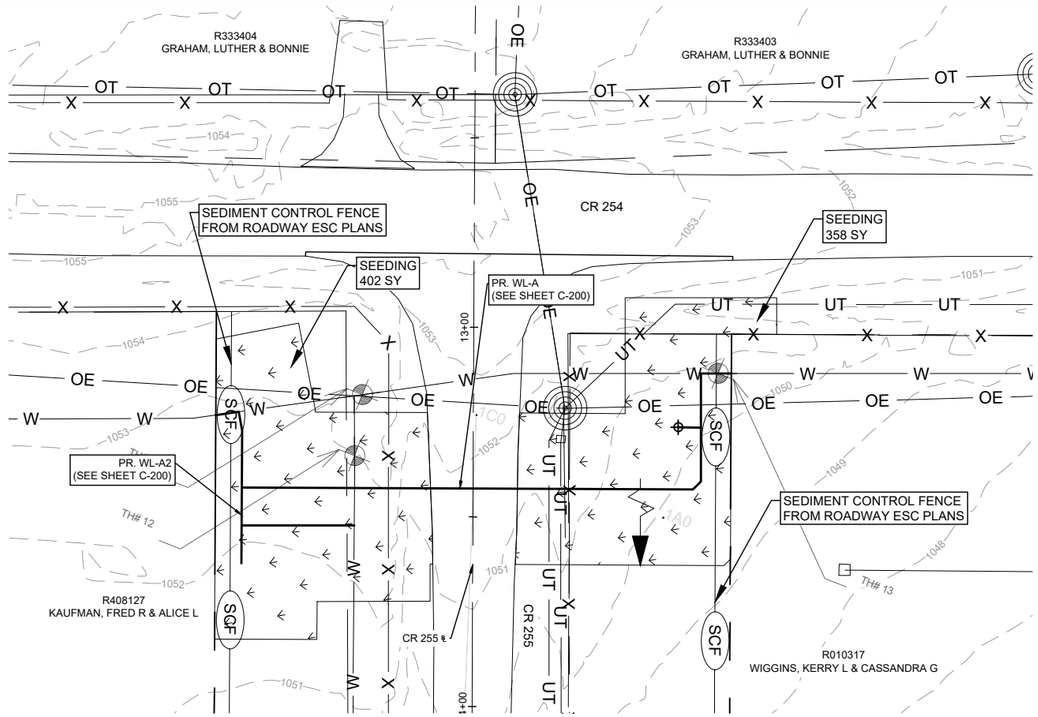
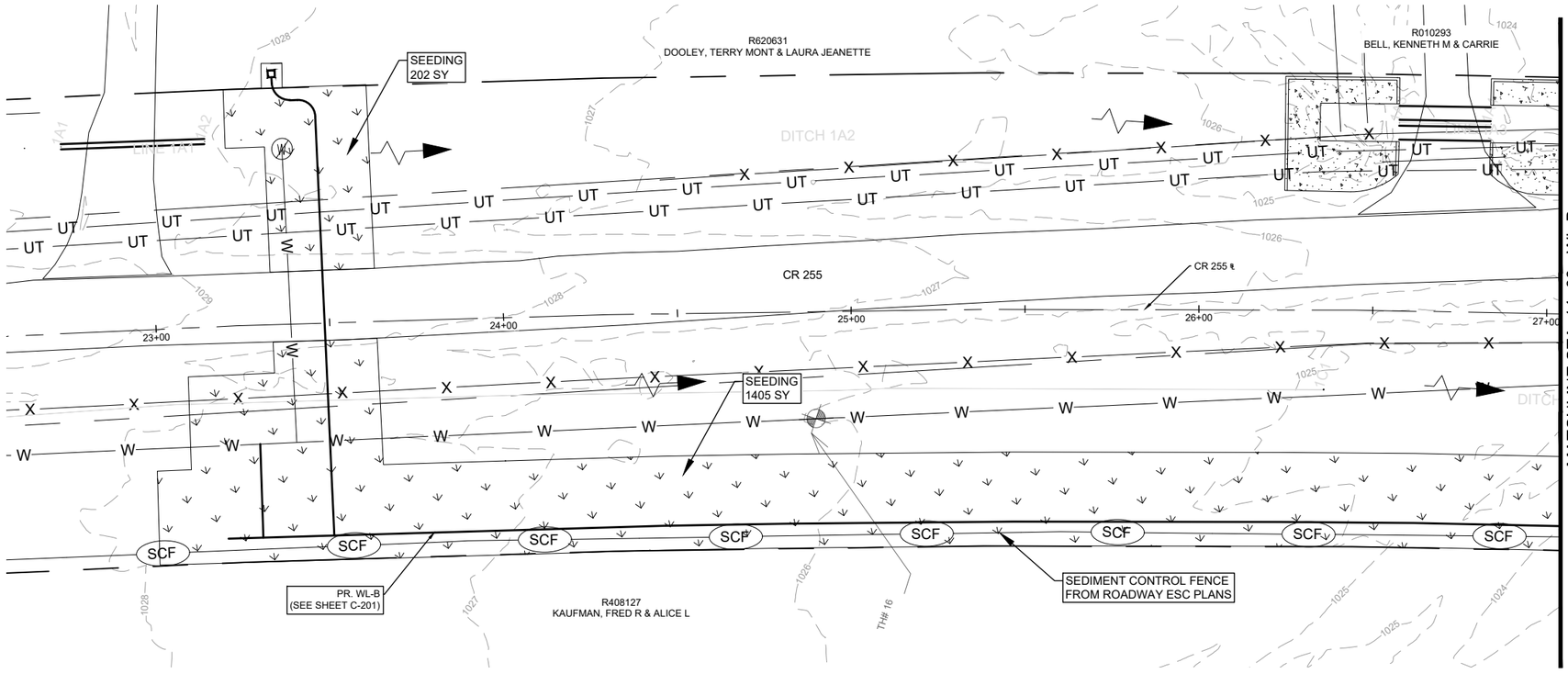
SHEET
C-100

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-100-KEYMAP.dwg - Tab: KEYMAP-01 - Plotted: 11/13/2024 4:04 PM By: DENO DRULIAS







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUTDOWNS. SHUTDOWNS MUST OCCUR ONLY DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY.
3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046703
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 1 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

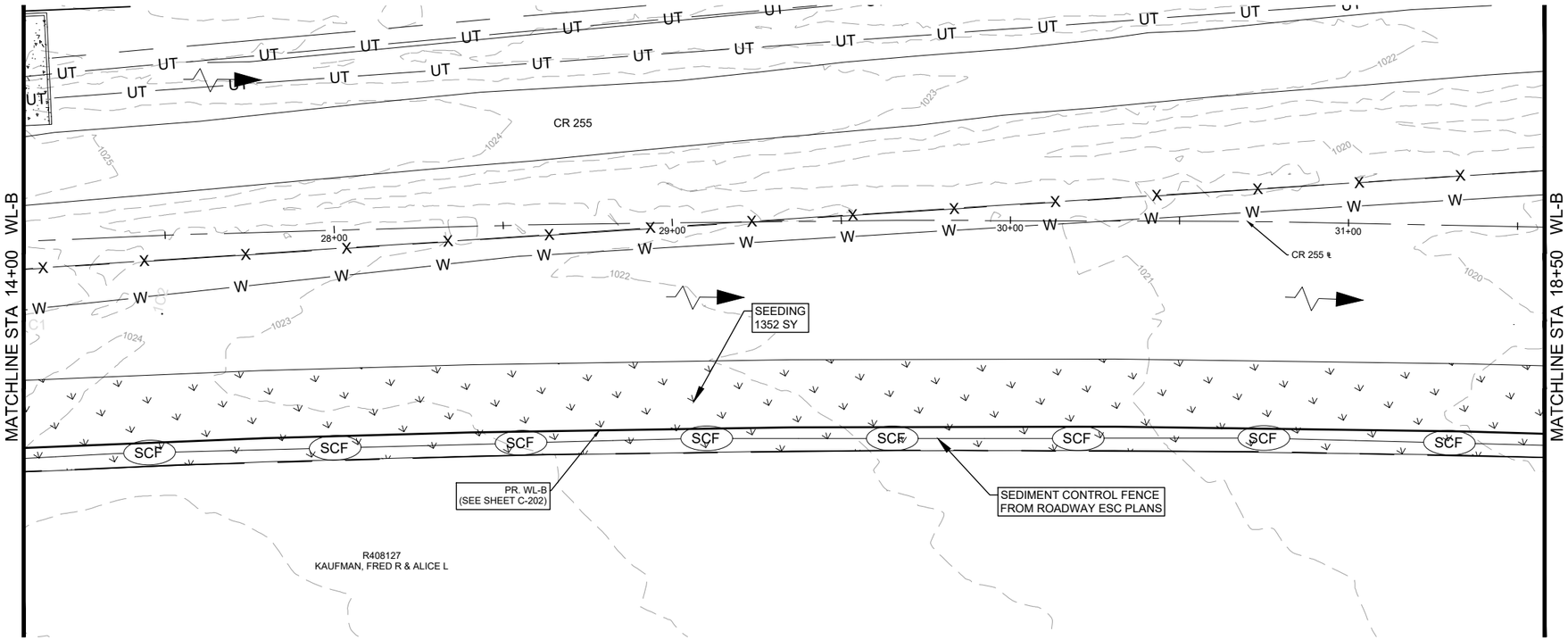
PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

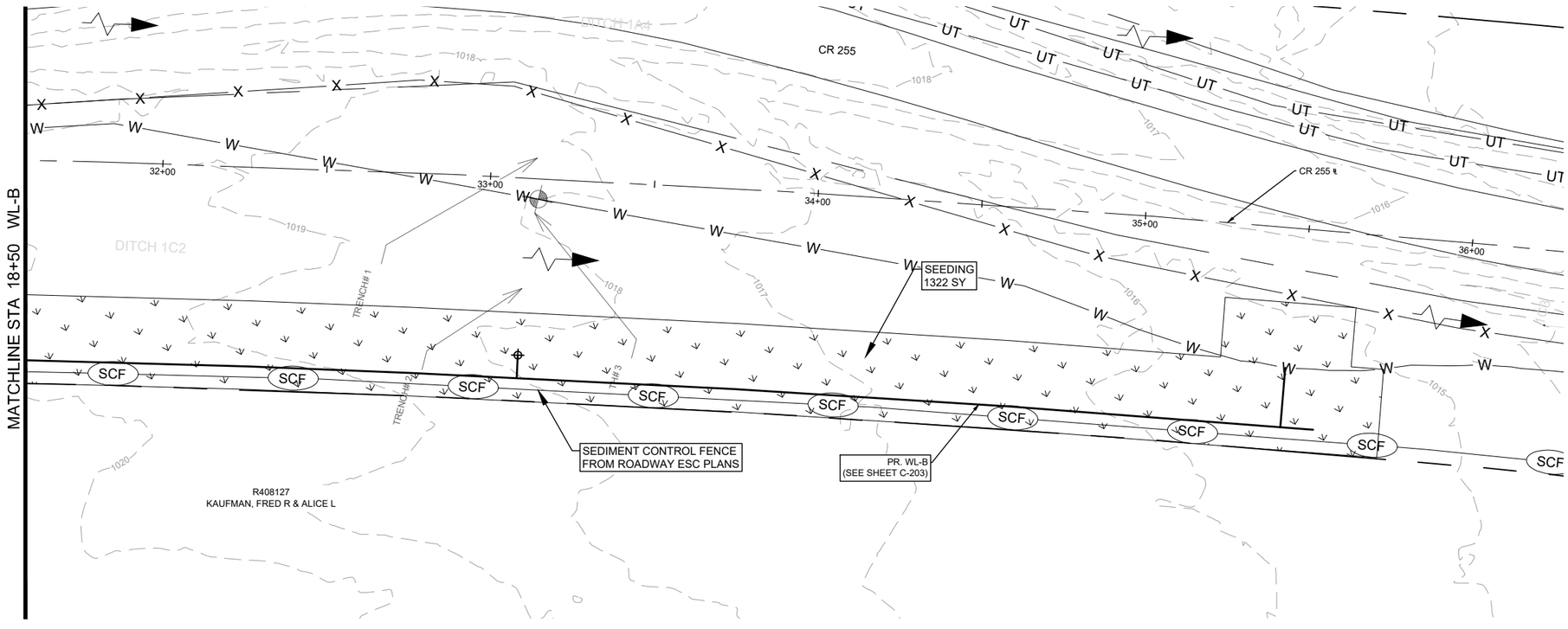
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-101

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg - Tab: ENS (1) - Plotted: 11/13/2024 4:05 PM By: DENO DRULIAS





N

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
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- OC — EX. OVERHEAD CABLE
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- OT — EX. OVERHEAD TELECOM
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- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 2 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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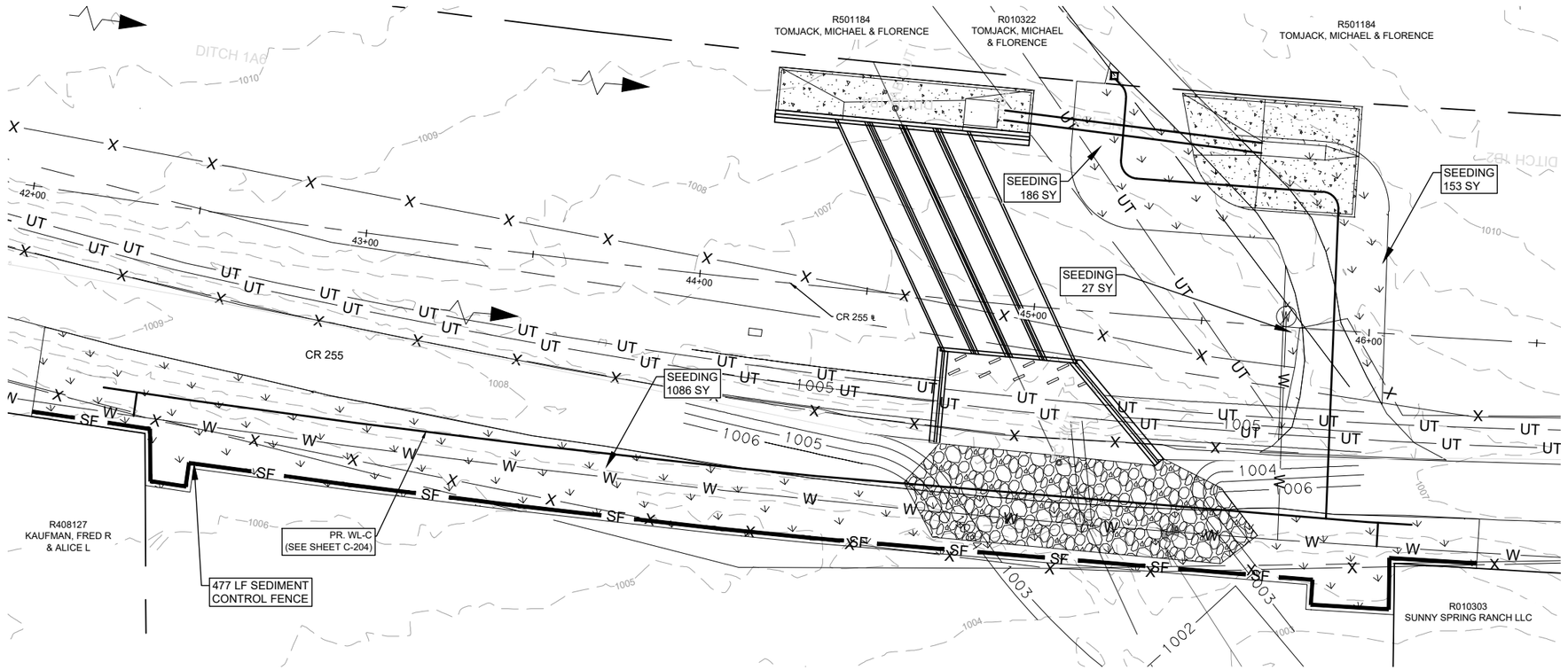
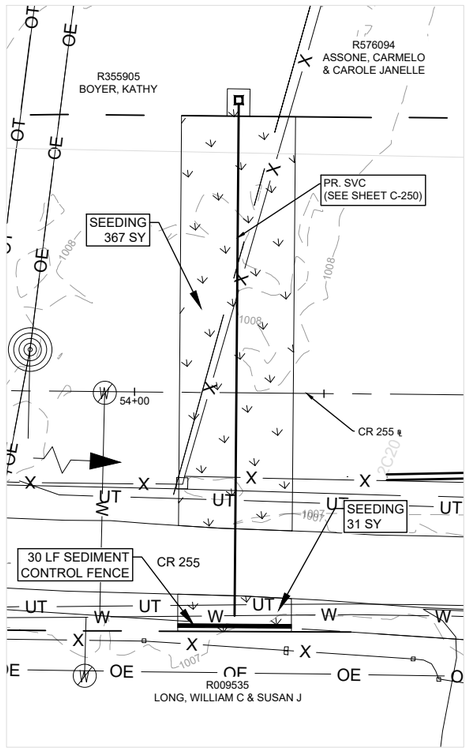
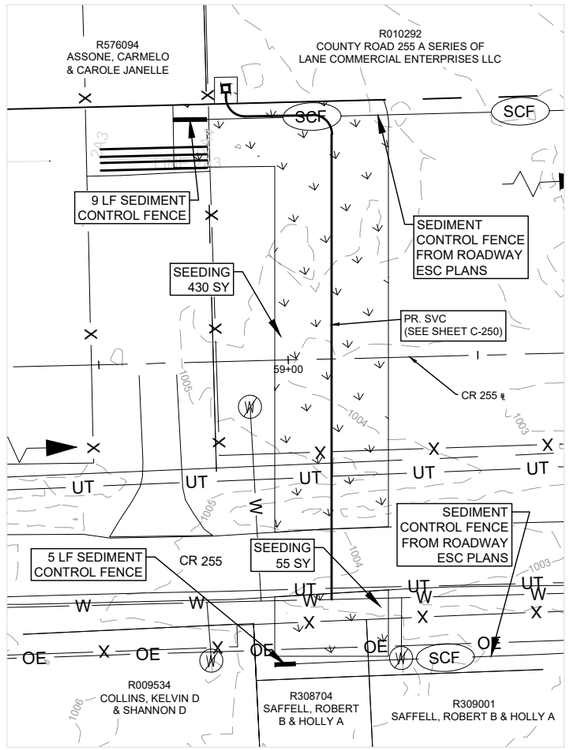
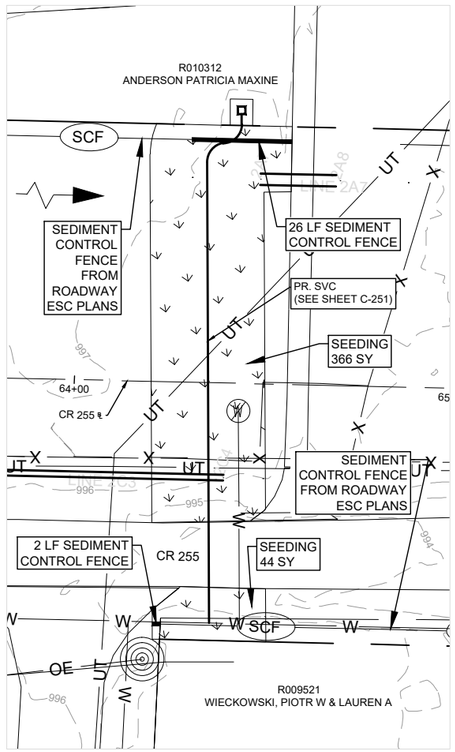
SHEET
C-102

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg - Tab: ENS (2) - Plotted: 11/13/2024 4:05 PM By: DENO DRULIAS









0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
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- PR. WATER
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- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 3 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

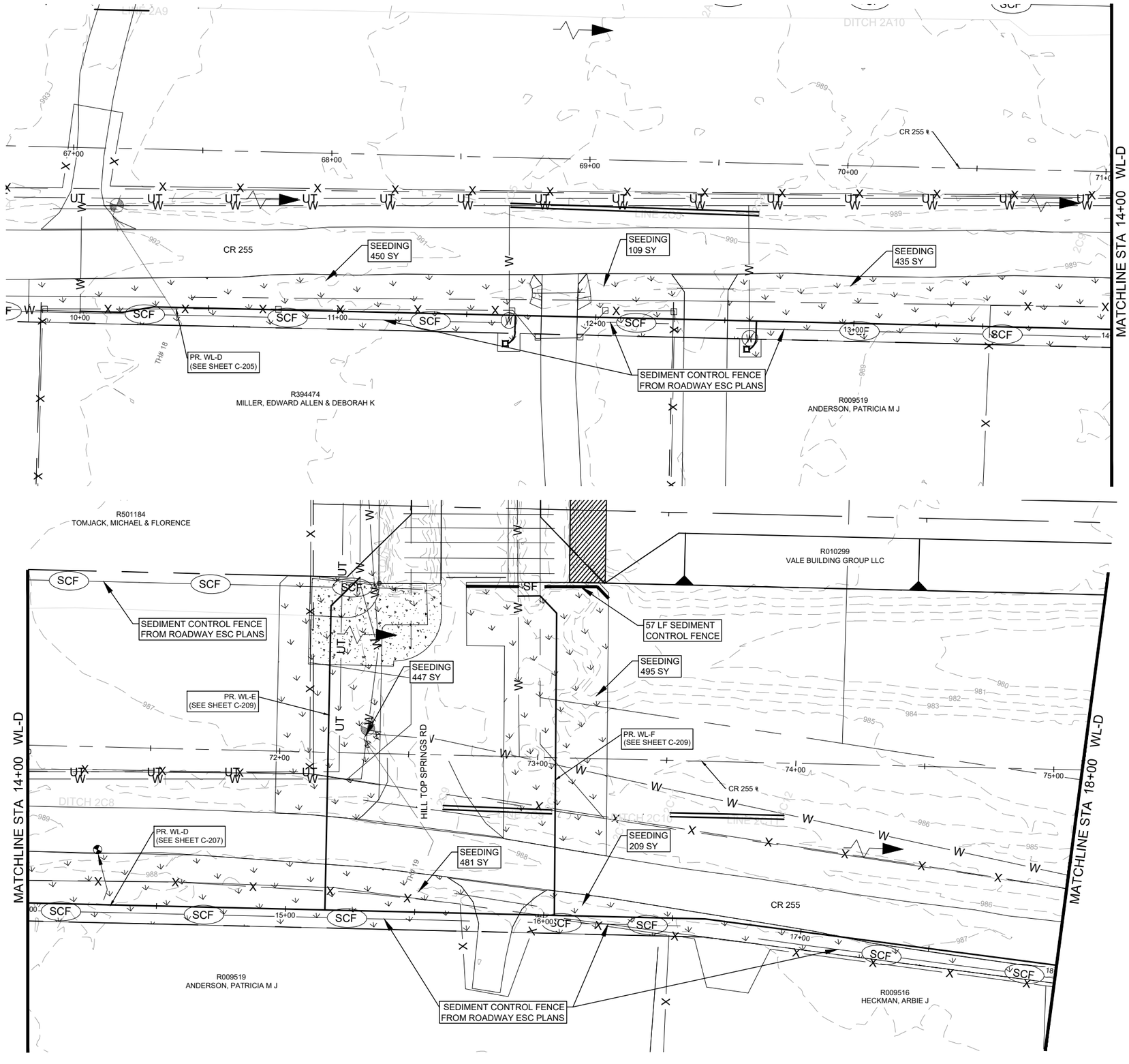
PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-103

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg - Tab: ENS (3) - Plotted: 11/13/2024 4:05 PM By: DENO DRULIAS



0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
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- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
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- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 4 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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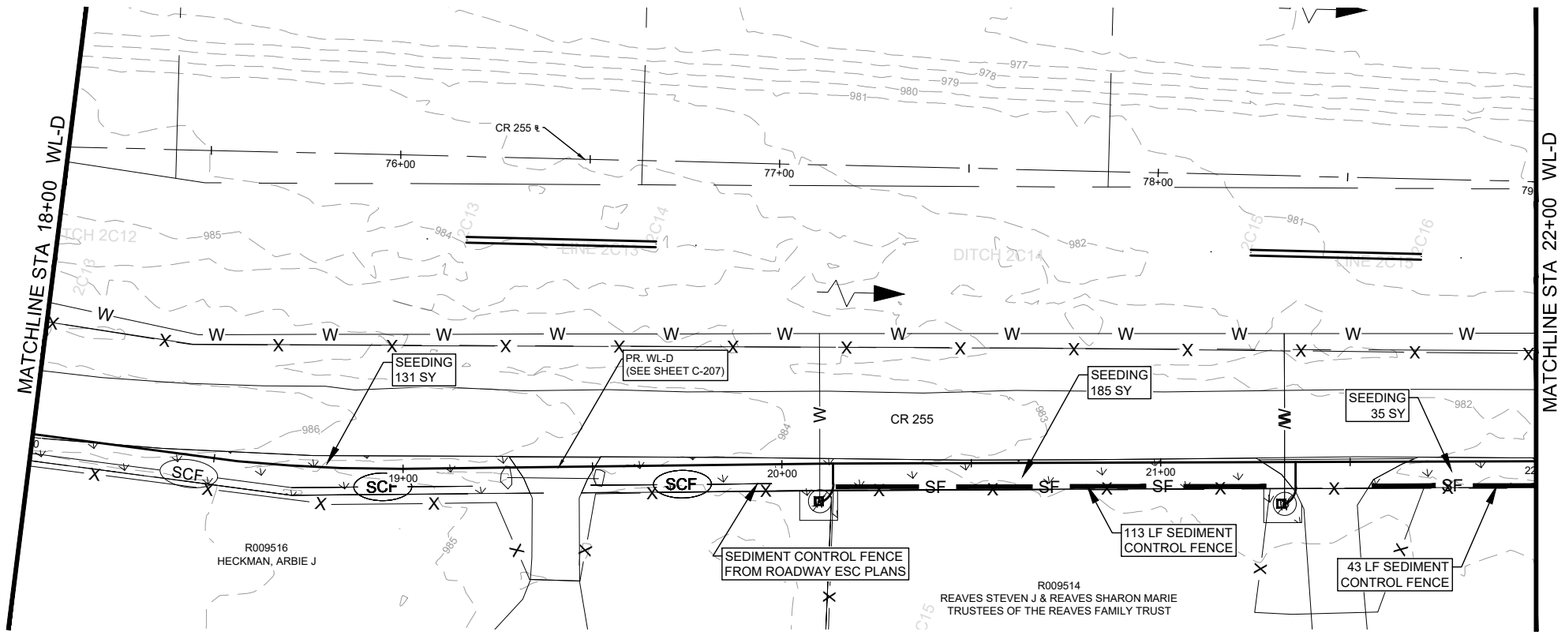
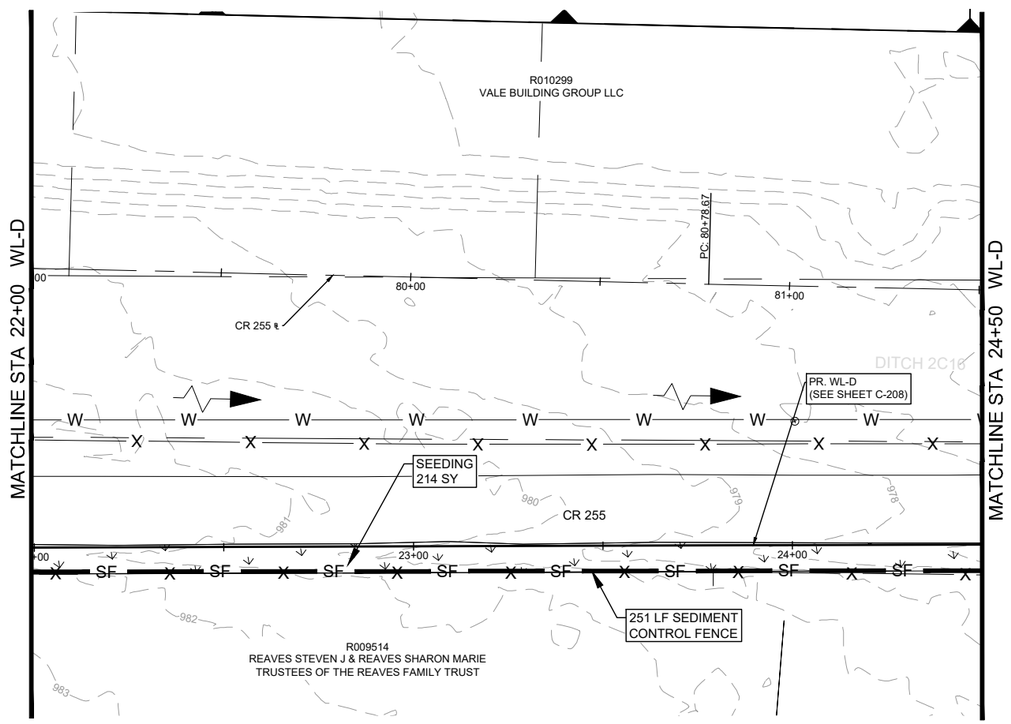
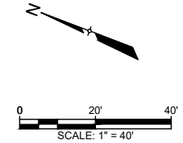
SHEET
C-104

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg -- Tab: ENS (4) -- Plotted: 11/13/2024 4:06 PM By: DENO DRULIAS







LEGEND

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ESC - SHEET 5 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

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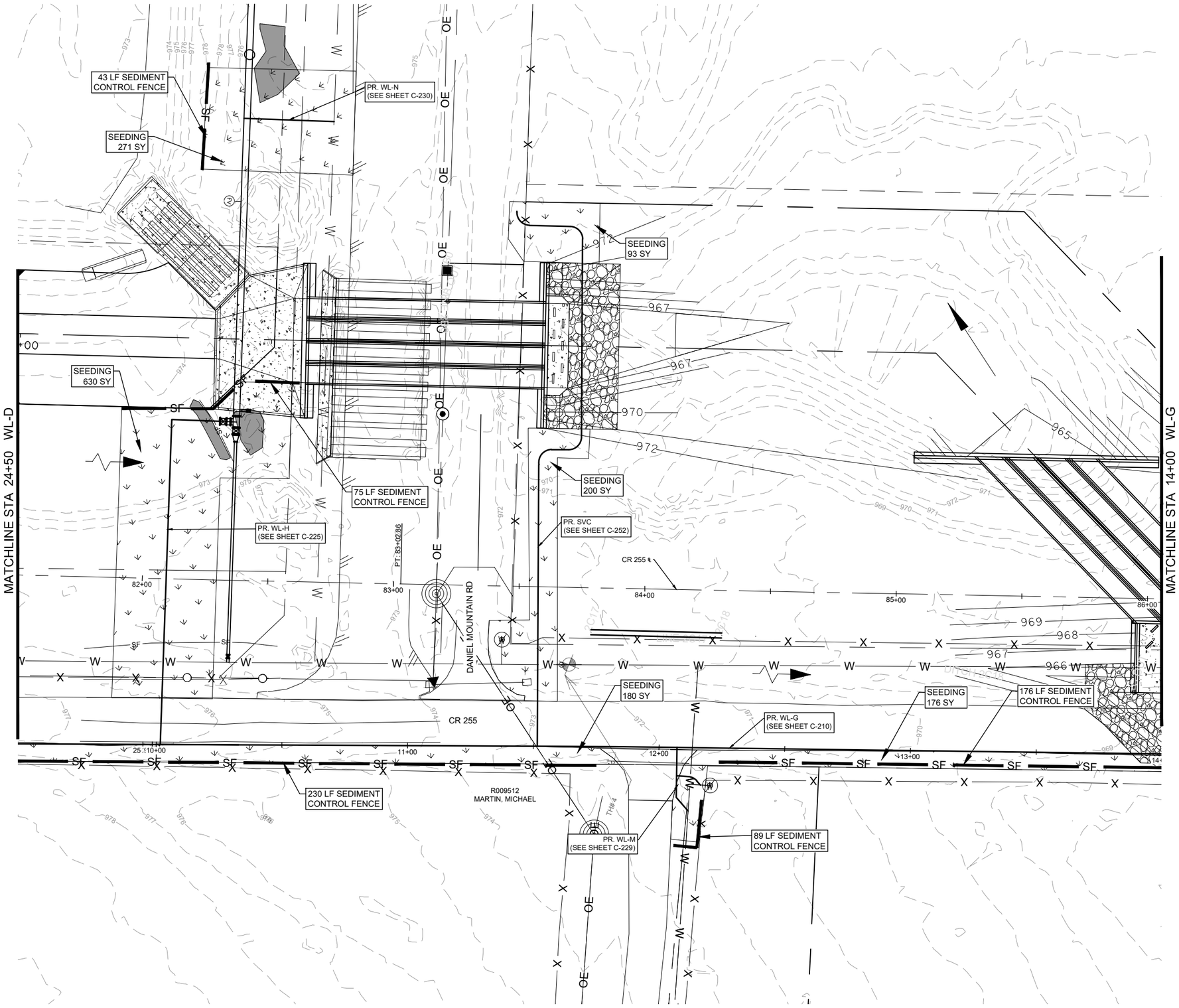
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-105

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg - Tab: ENS (5) - Plotted: 11/13/2024 4:06 PM By: DENO DRULIAS



LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUTDOWNS. SHUTDOWNS MUST OCCUR ONLY DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY.
3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046703
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 6 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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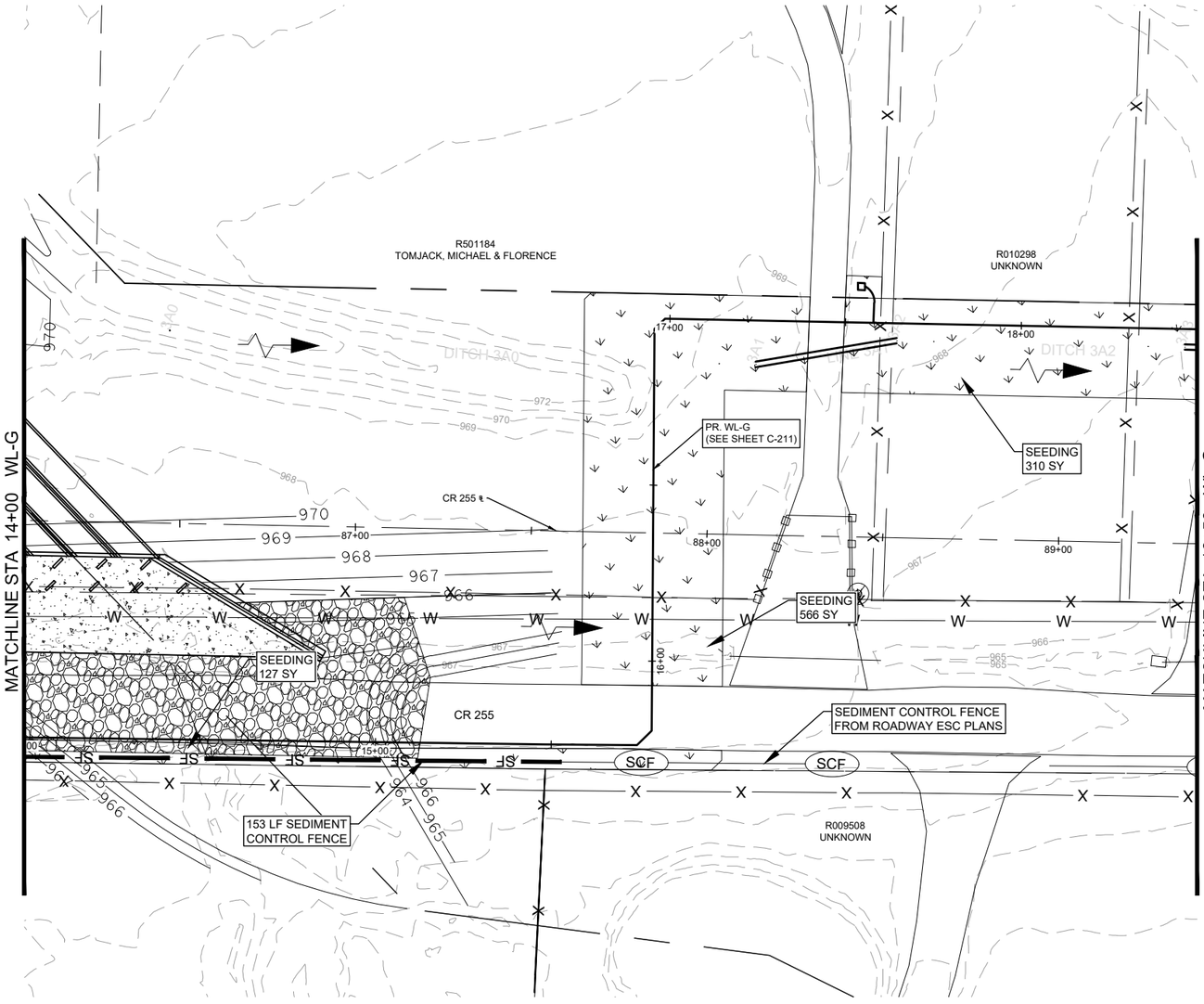
SHEET
C-106

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg – Tab: ENS (6) – Plotted: 11/13/2024 4:06 PM By: DENO DRULIAS



N

0 20' 40'

SCALE: 1" = 40'

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CobbFendley
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AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
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ESC - SHEET 7 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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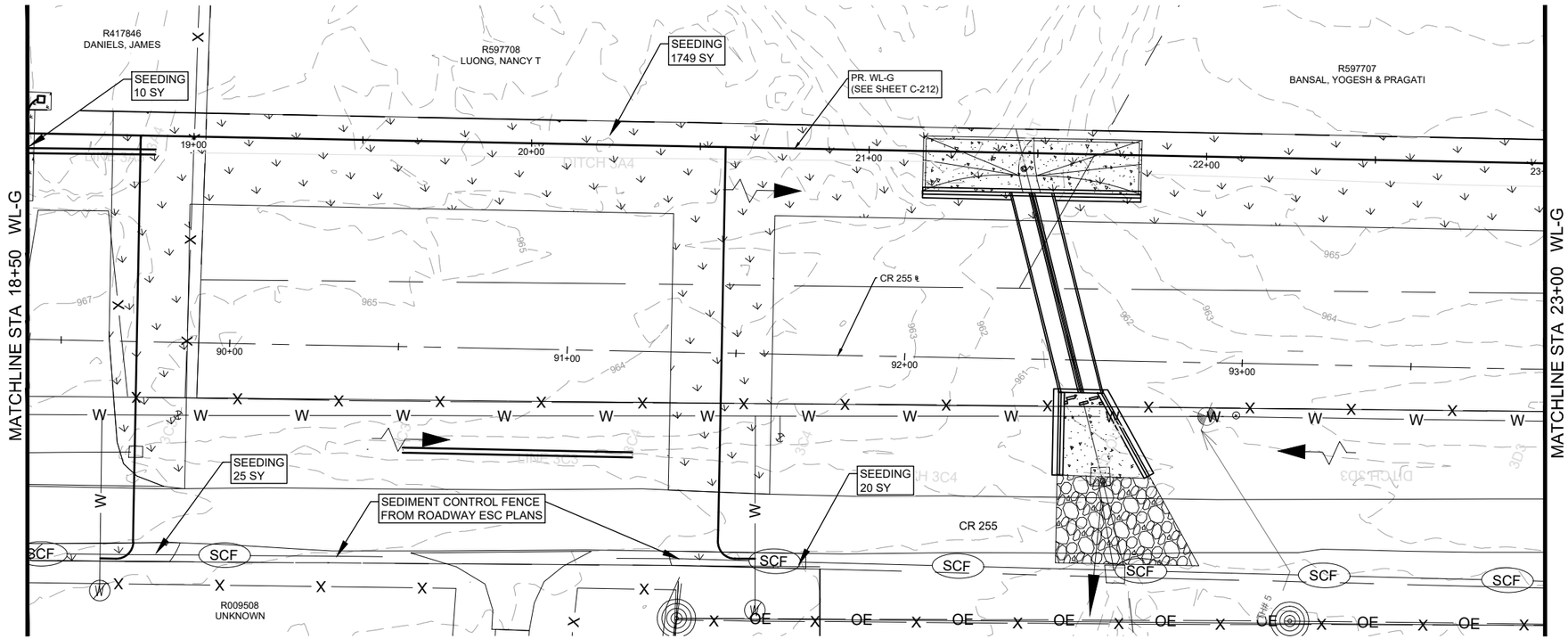
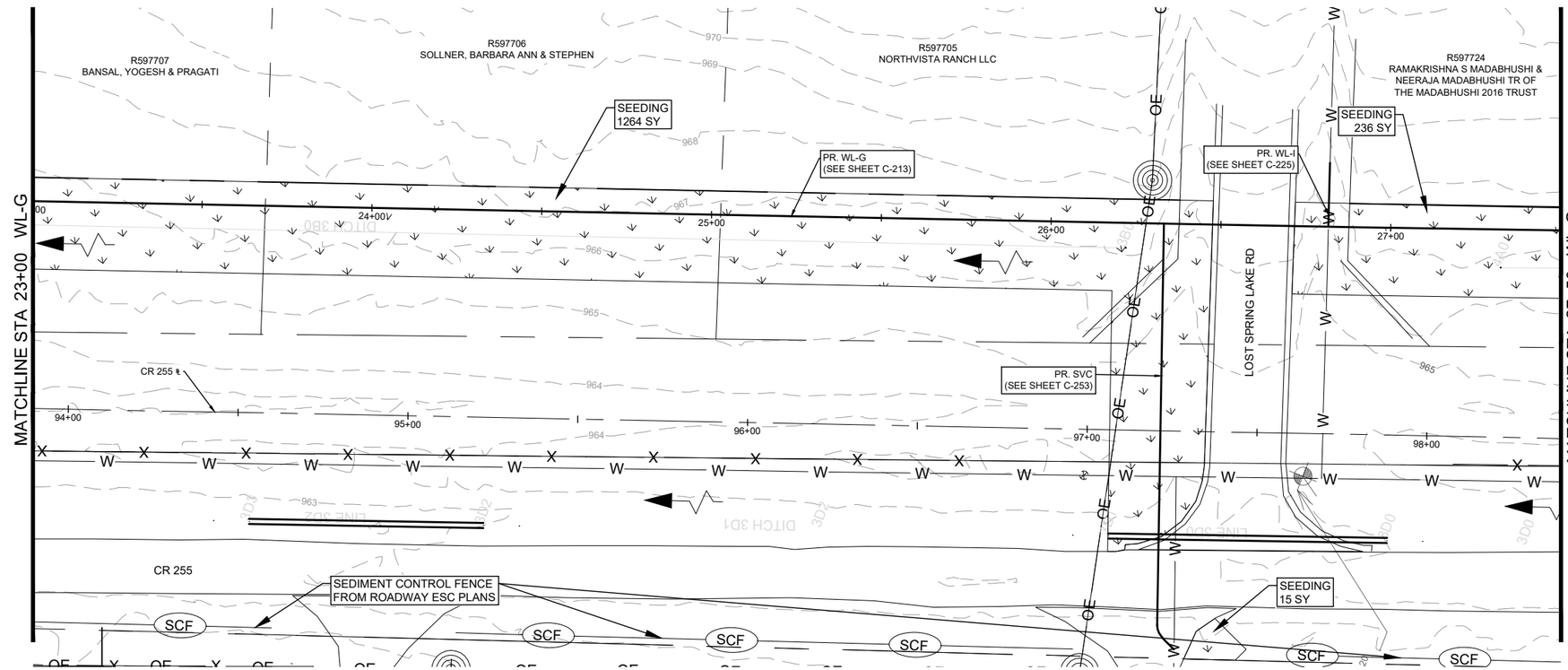
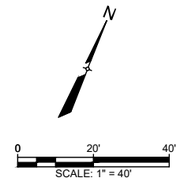
SHEET
C-107

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-101-ENS.dwg - Tab: ENS (7) - Plotted: 11/13/2024 4:06 PM By: DENO DRULIAS







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ESC - SHEET 8 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
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C-108

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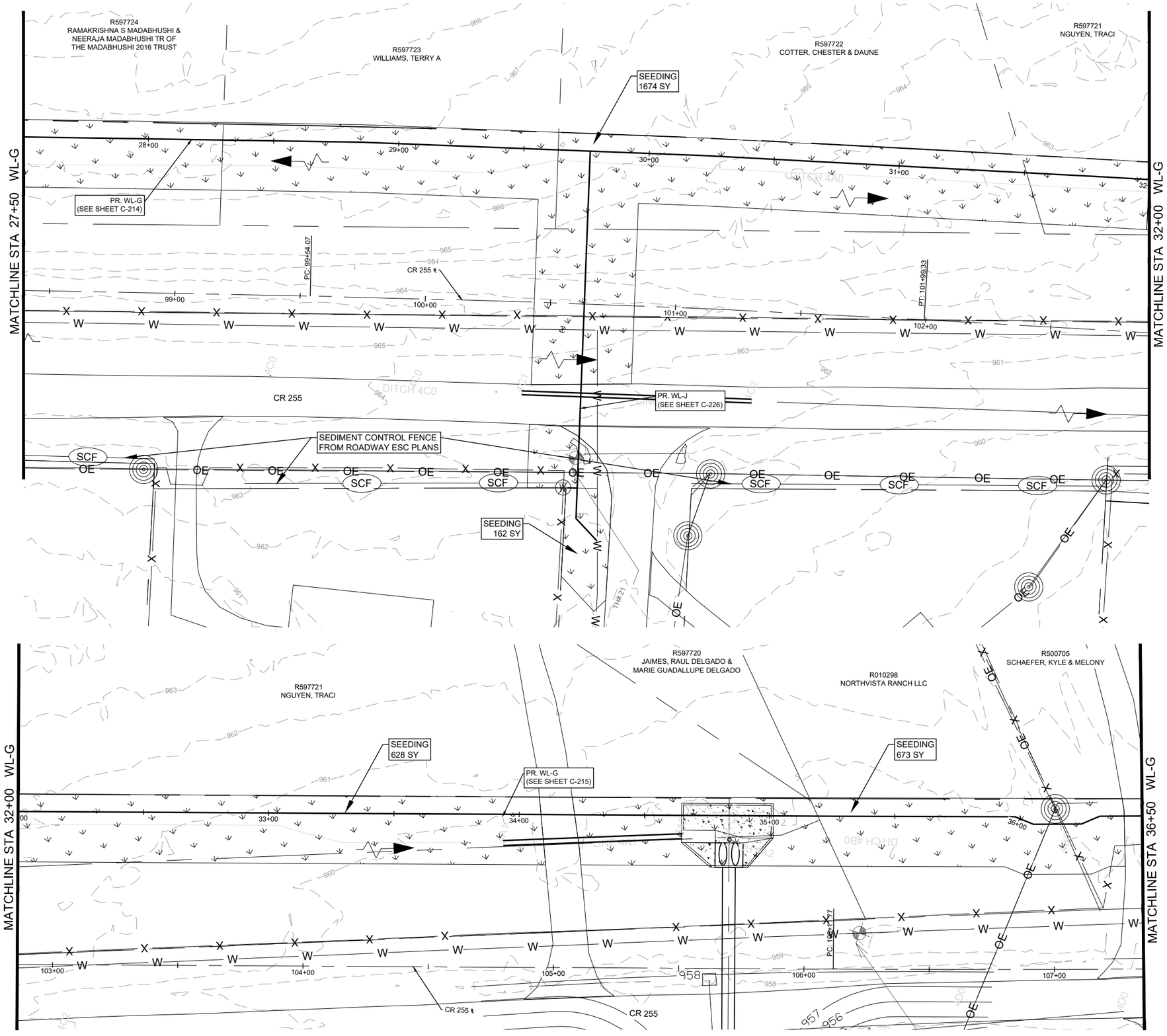

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SCALE: 1" = 40'

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ESC - SHEET 9 OF 14

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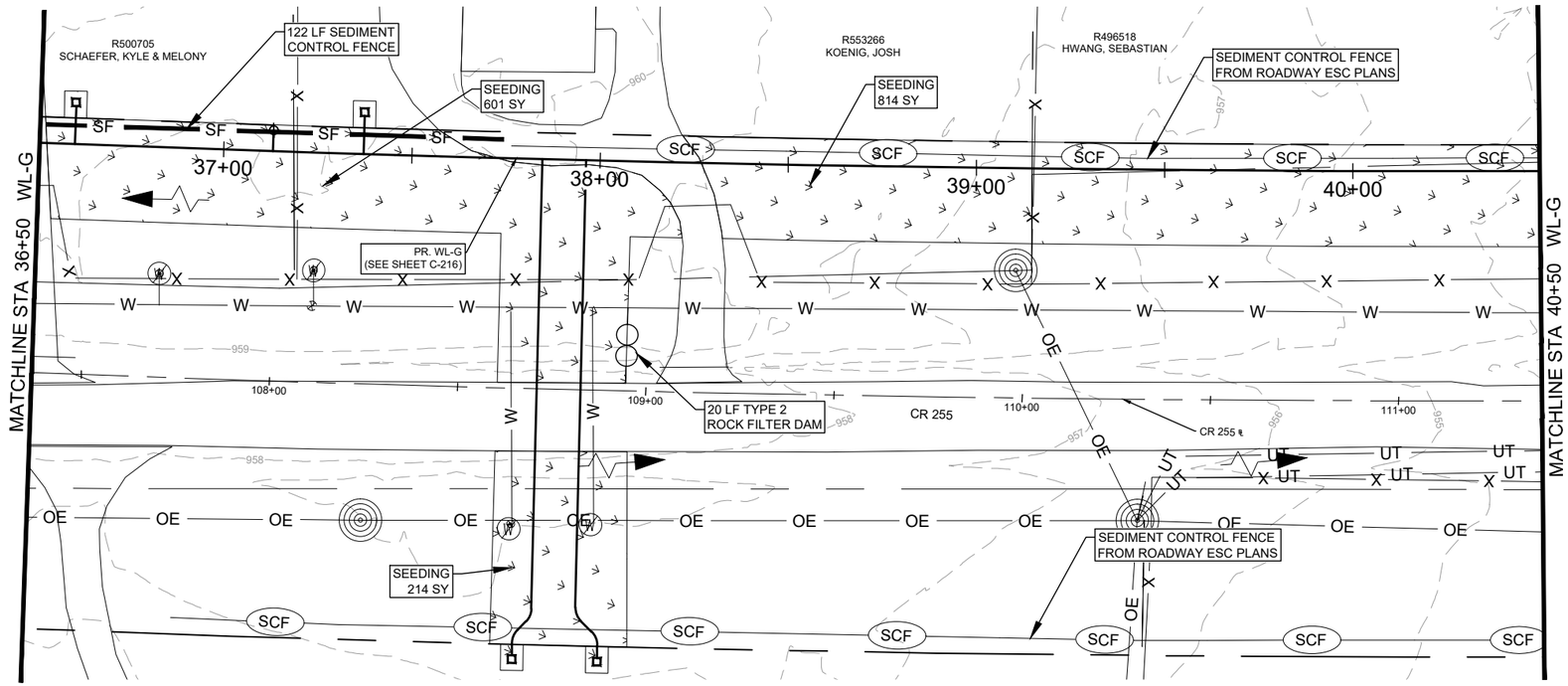

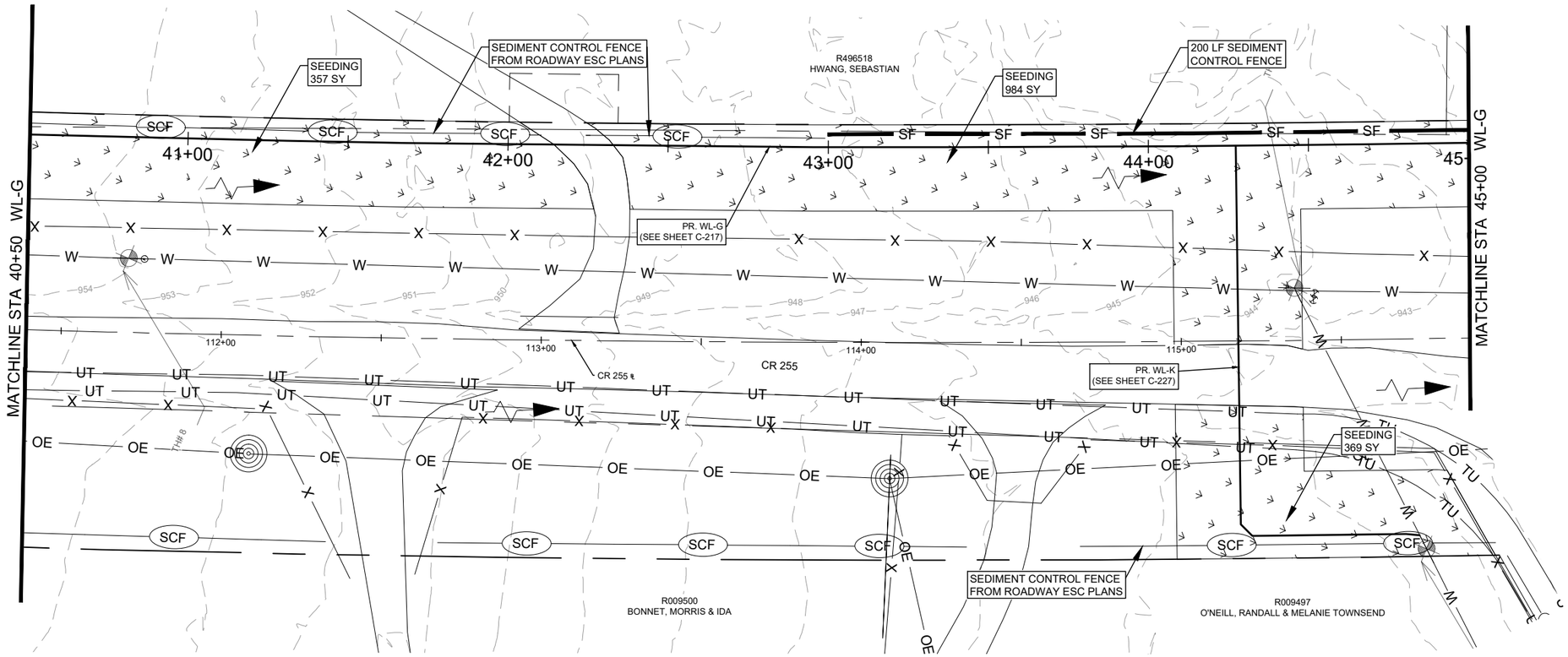

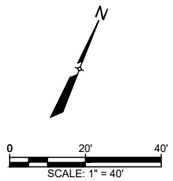

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REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ESC - SHEET 10 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

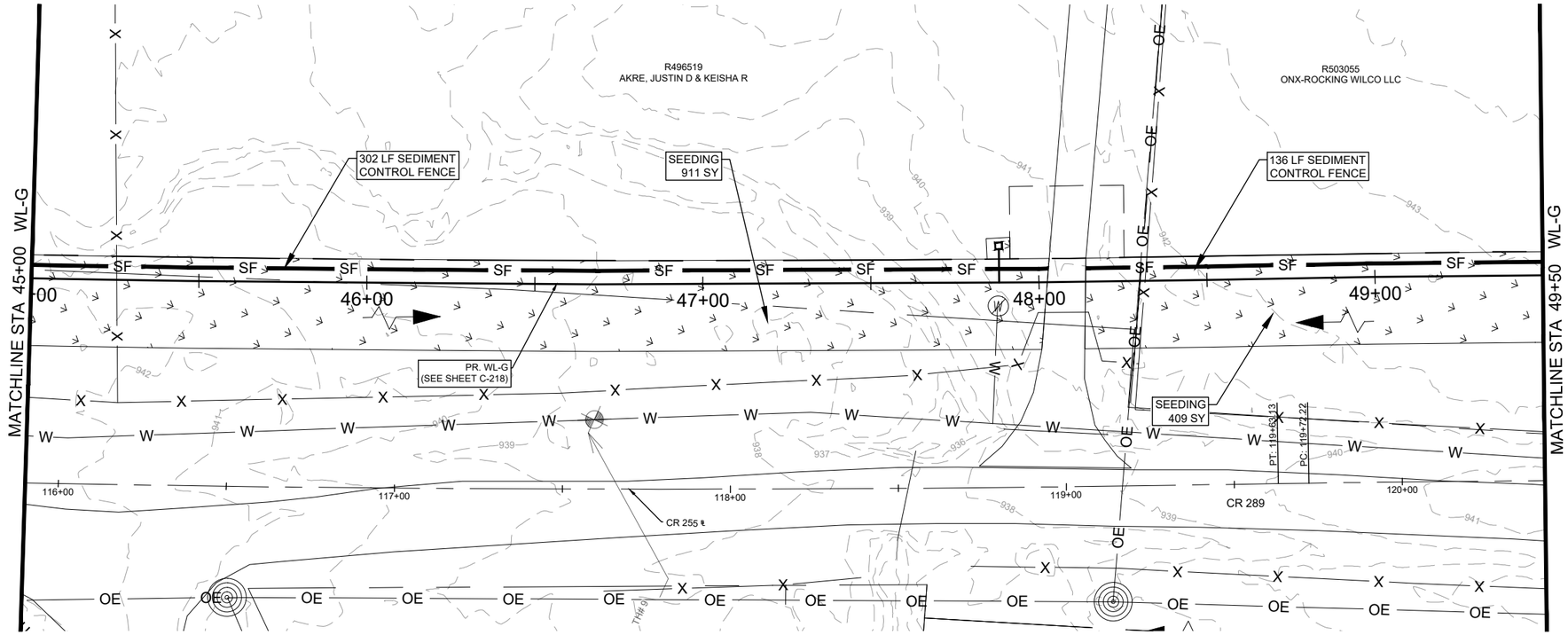
PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

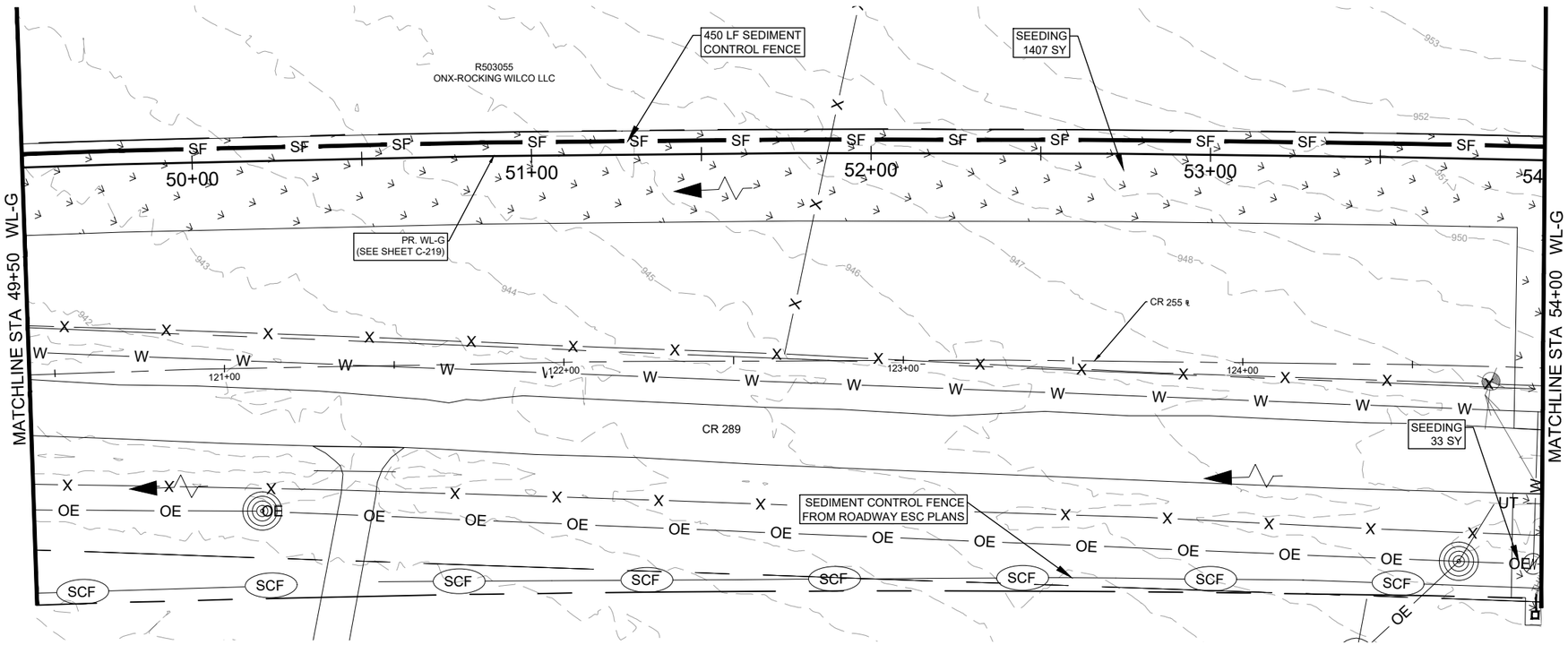
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

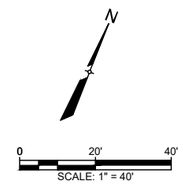
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-110

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-102-ENS.dwg - Tab: ENS (10) - Plotted: 11/13/2024 4:08 PM By: DENO DRULIAS







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ESC - SHEET 11 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
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C-111

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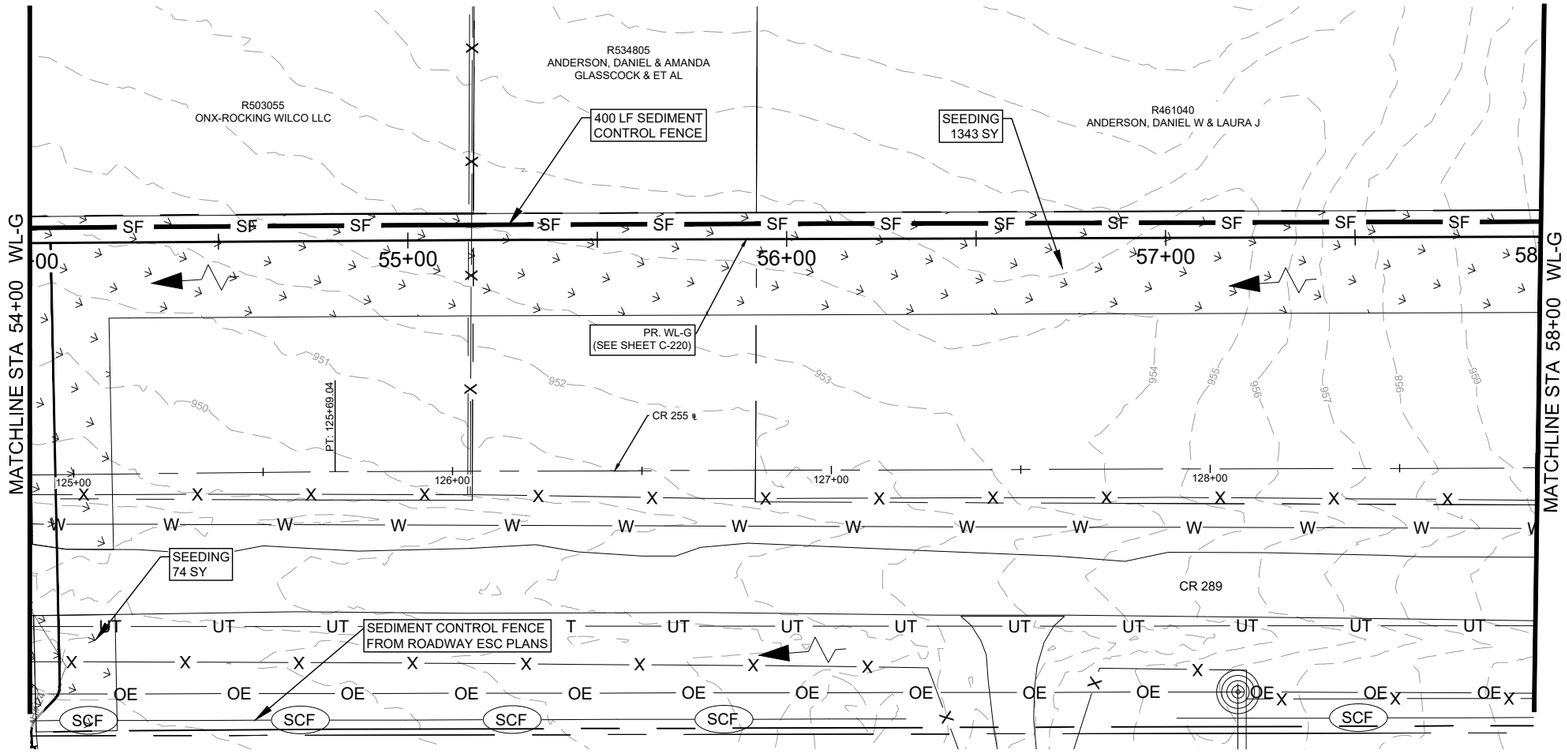

N

0 20' 40'

SCALE: 1" = 40'

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CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
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AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
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ESC - SHEET 12 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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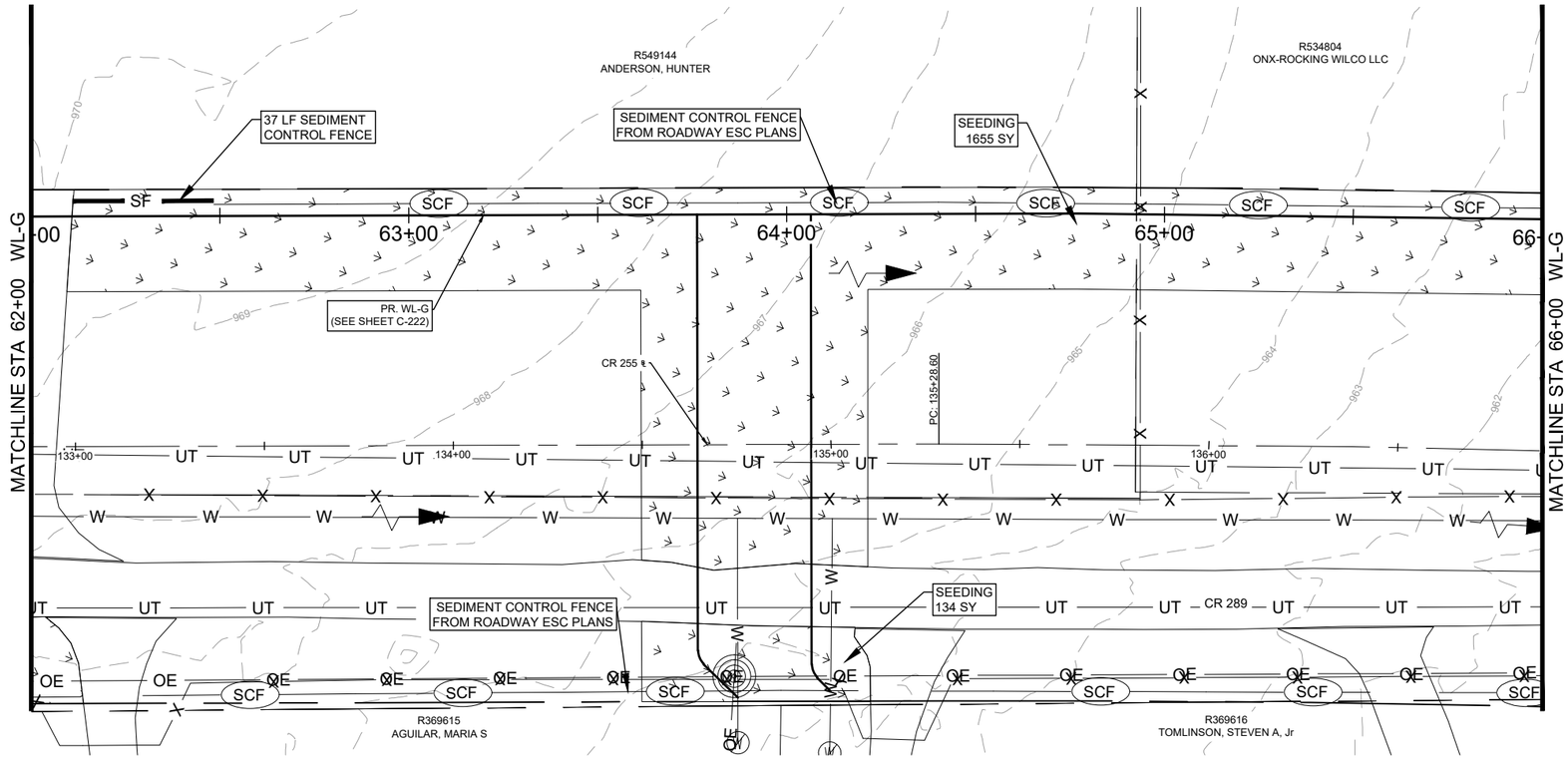
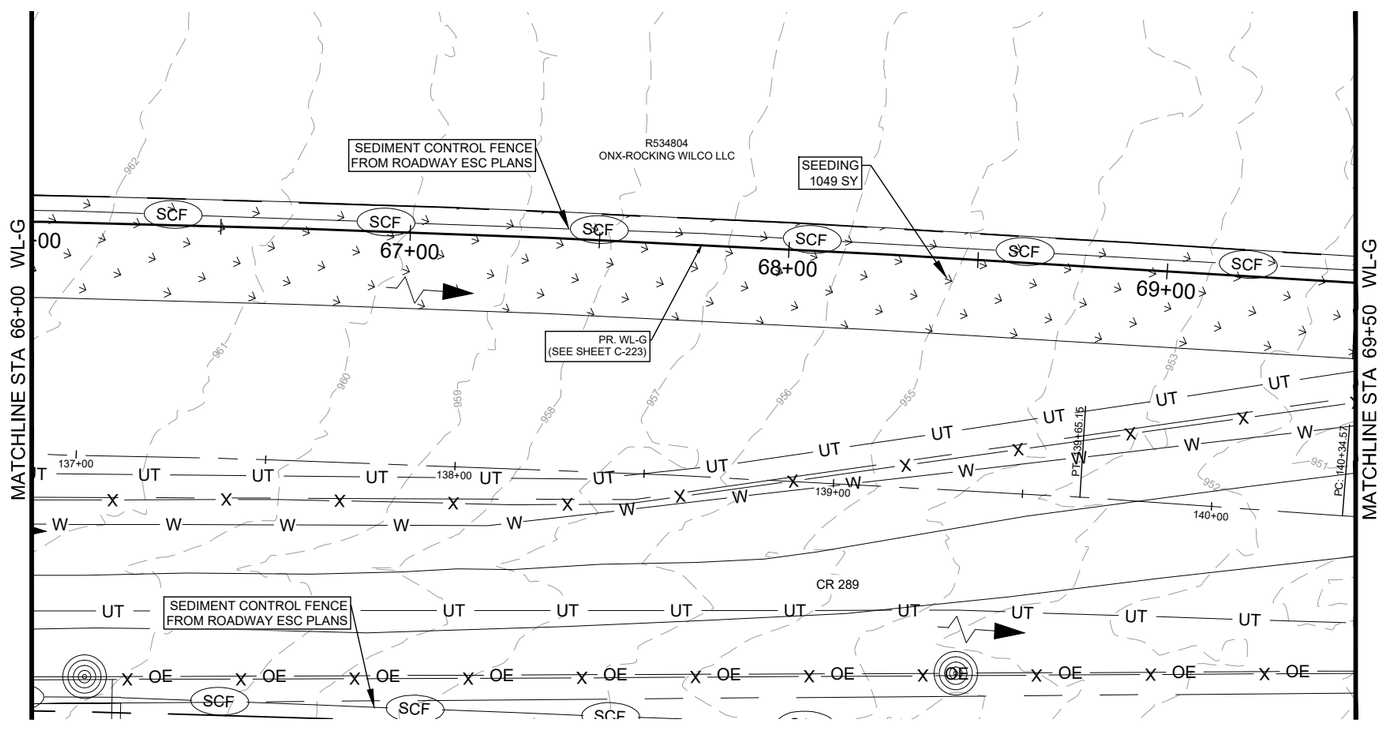
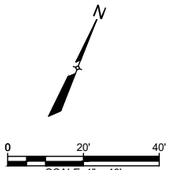
SHEET
C-112

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-102-ENS.dwg — Tab: ENS (12) — Plotted: 11/13/2024 4:08 PM By: DENO DRULIAS







LEGEND

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ESC - SHEET 13 OF 14

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
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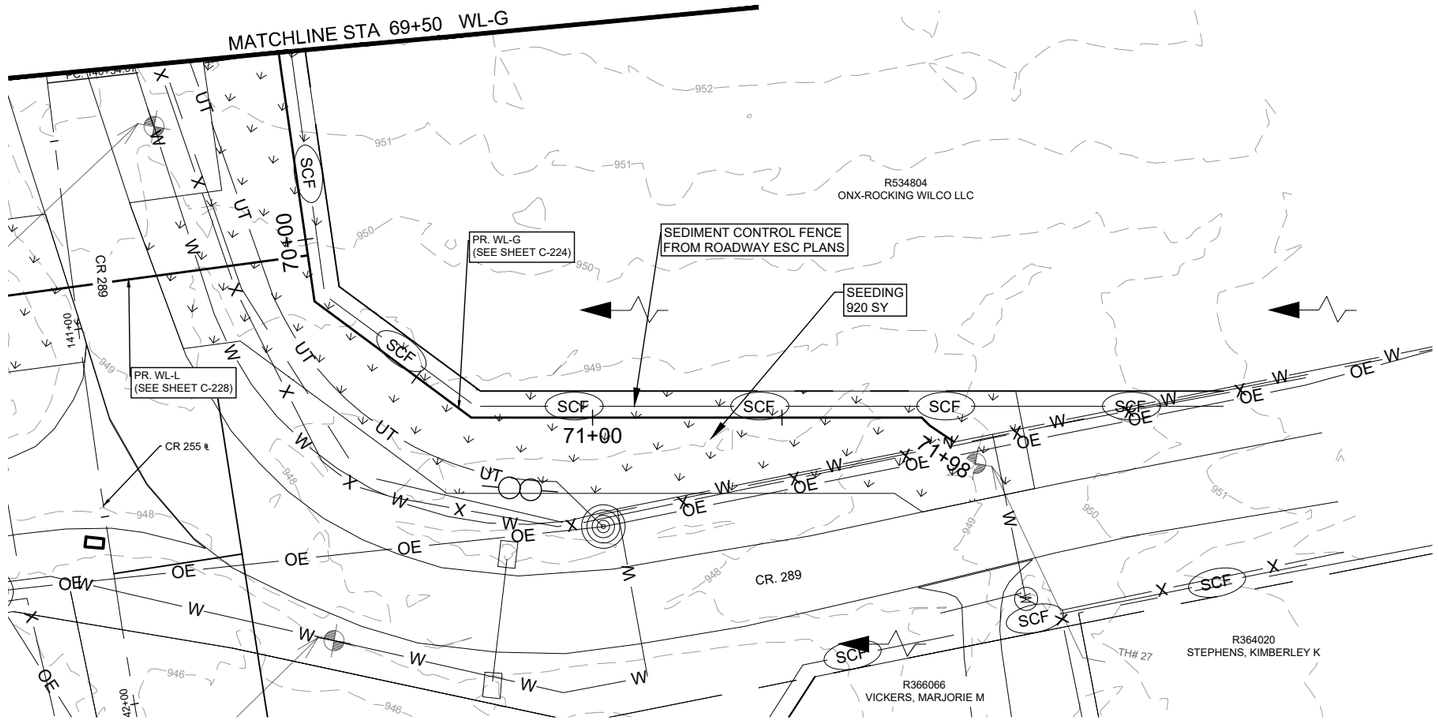
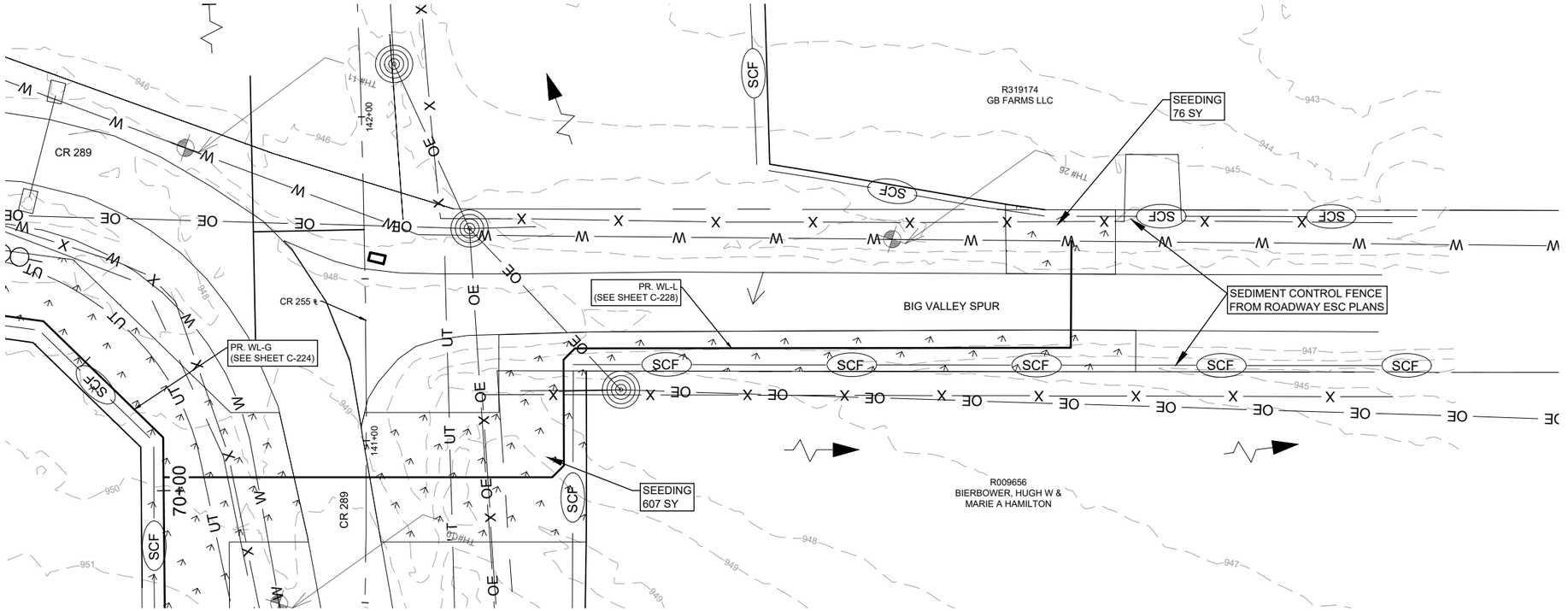
C-113

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-102-ENS.dwg - Tab: ENS (13) - Plotted: 11/13/2024 4:08 PM By: DENO DRULIAS





0 20' 40'
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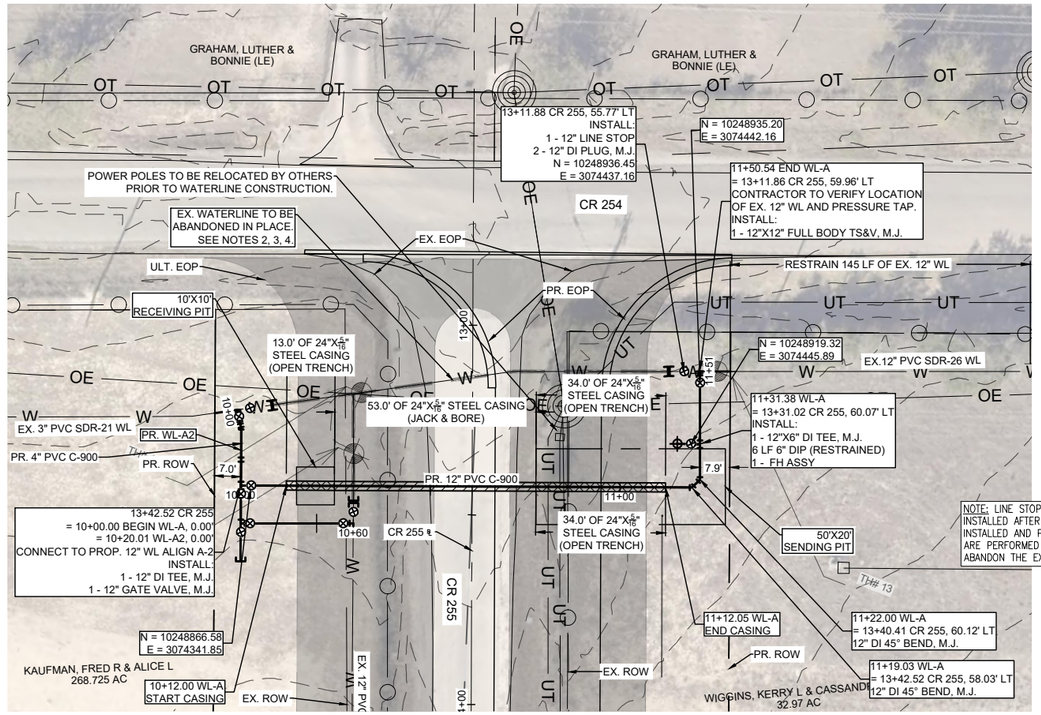
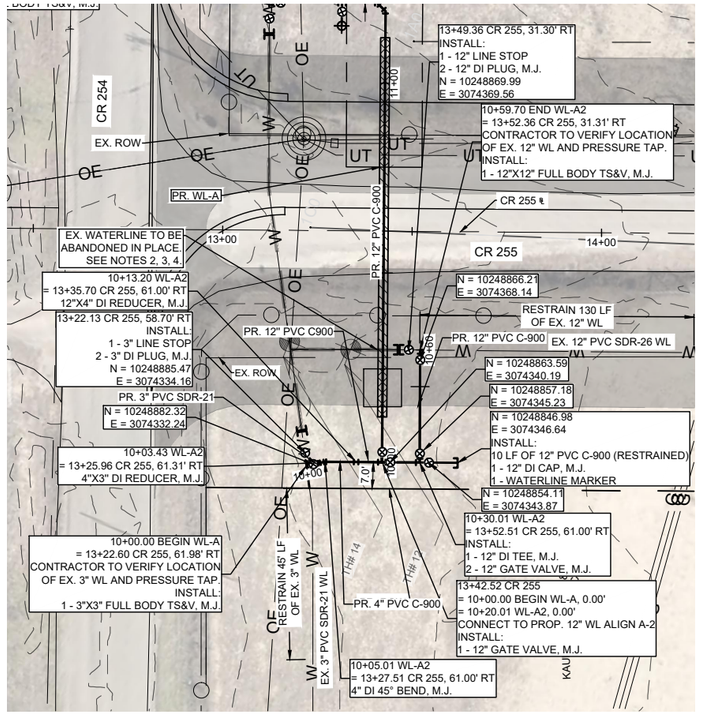
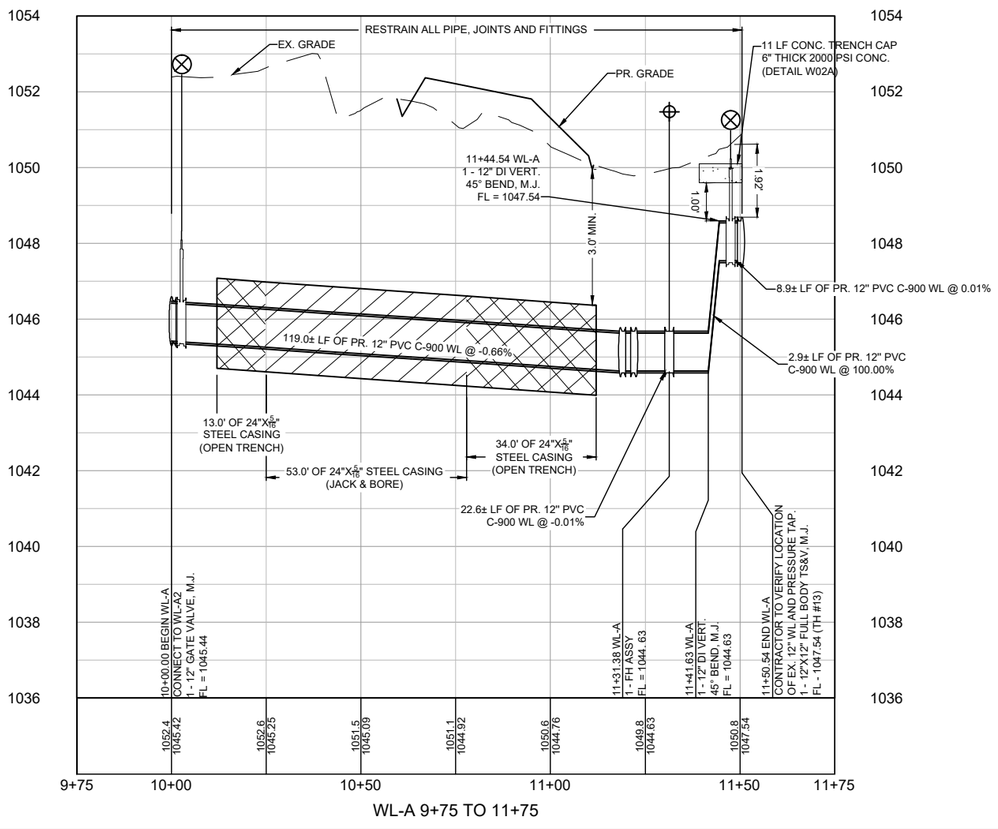
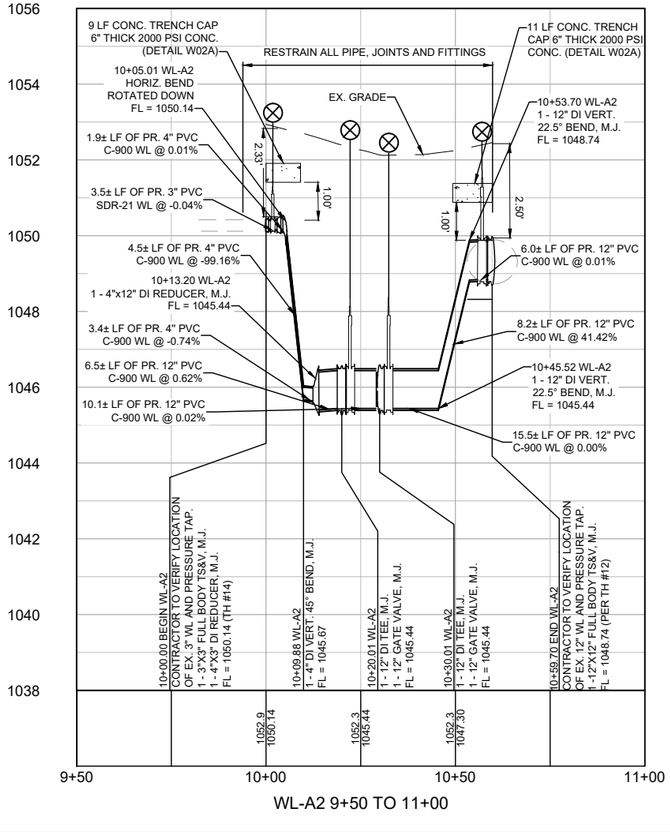
Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-102-ENS.dwg - Tab: ENS (14) - Plotted: 11/13/2024 4:08 PM By: DENO DRULIAS







WL-A 9+75 TO 11+75



WL-A2 9+50 TO 11+00

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- W — EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

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2. CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUTDOWNS. SHUTDOWNS MUST OCCUR ONLY DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY.
3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
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7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "A" & "A2" - STA. 10+00 TO END PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

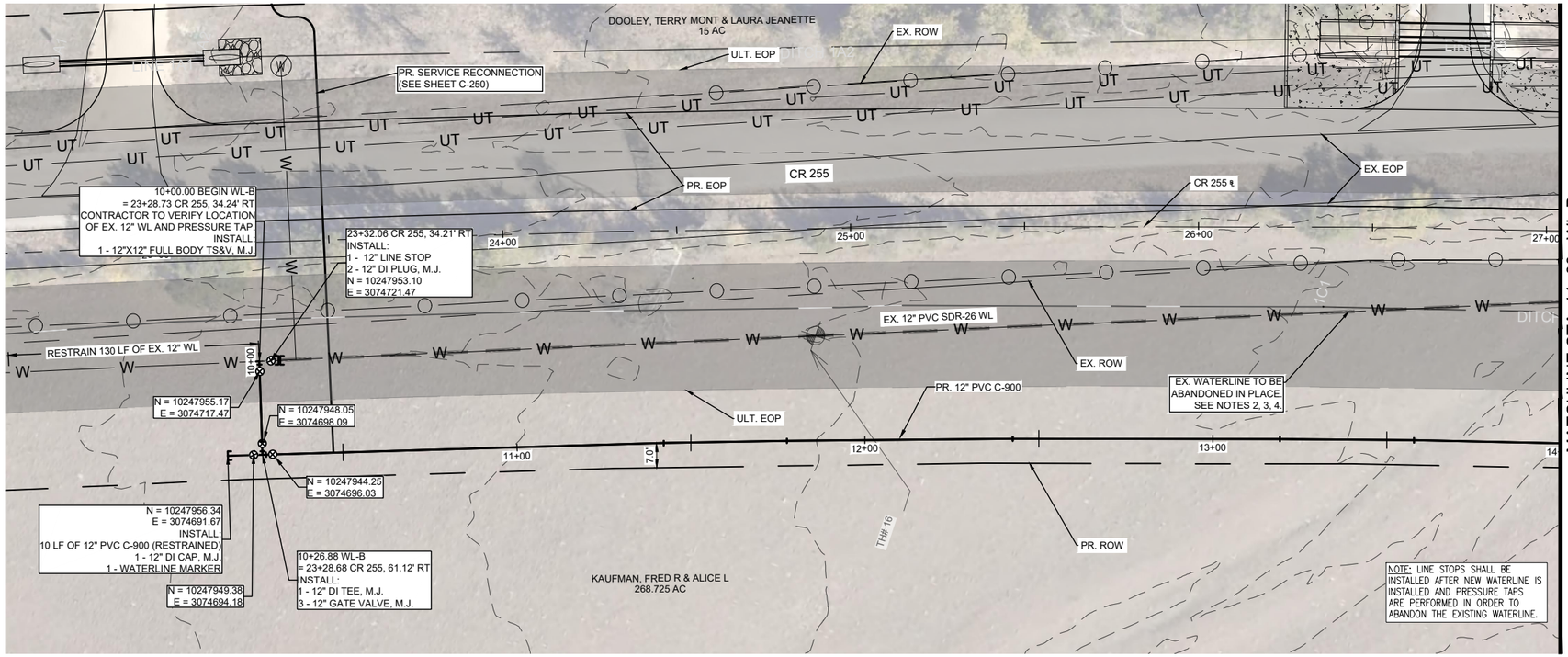
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

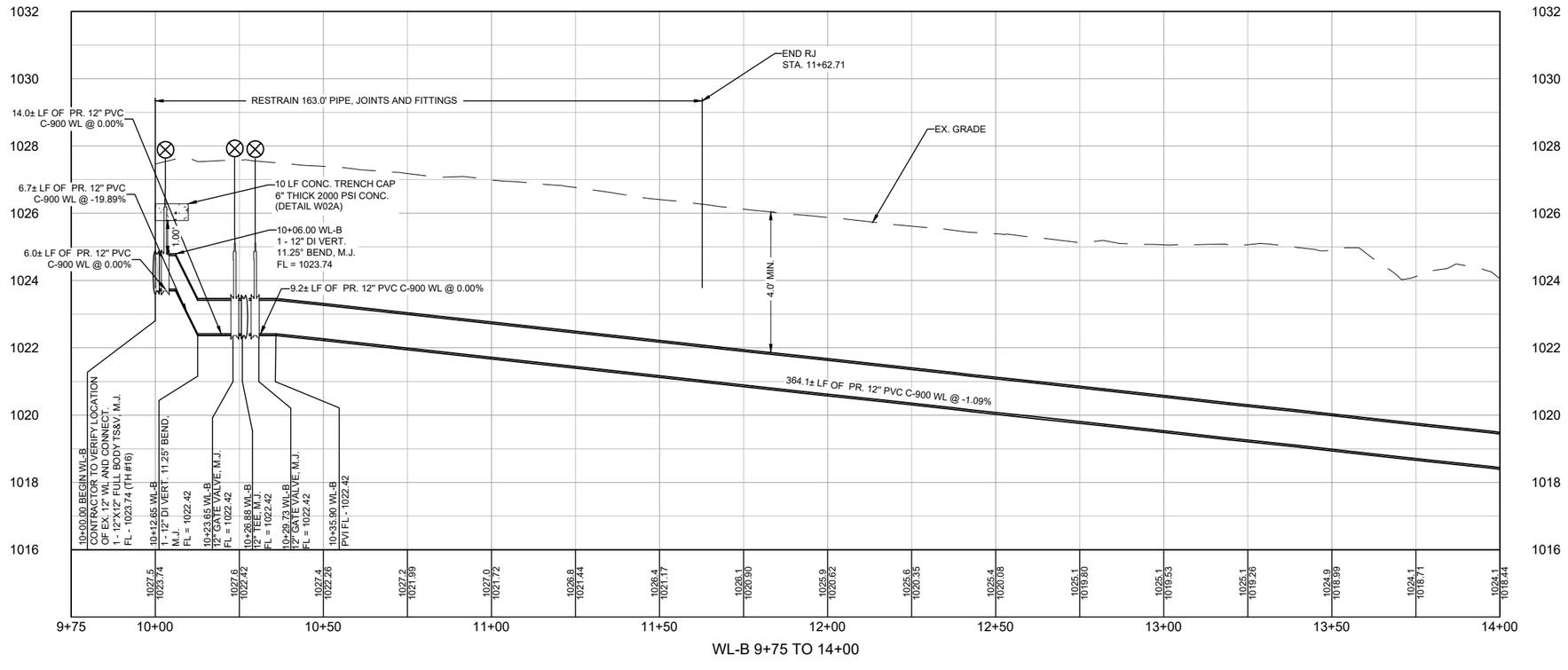
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

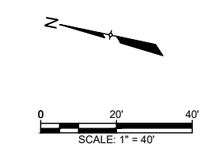
SHEET
C-200

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-A-B_TAPS.dwg – Tab: WL-A – Plotted: 11/13/2024 4:09 PM By: DENO DRULIAS





WL-B 9+75 TO 14+00



LEGEND

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- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
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- PR. WATER
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- PR. STORM DRAIN
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- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "B" - STA. 10+00 TO 14+00
PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

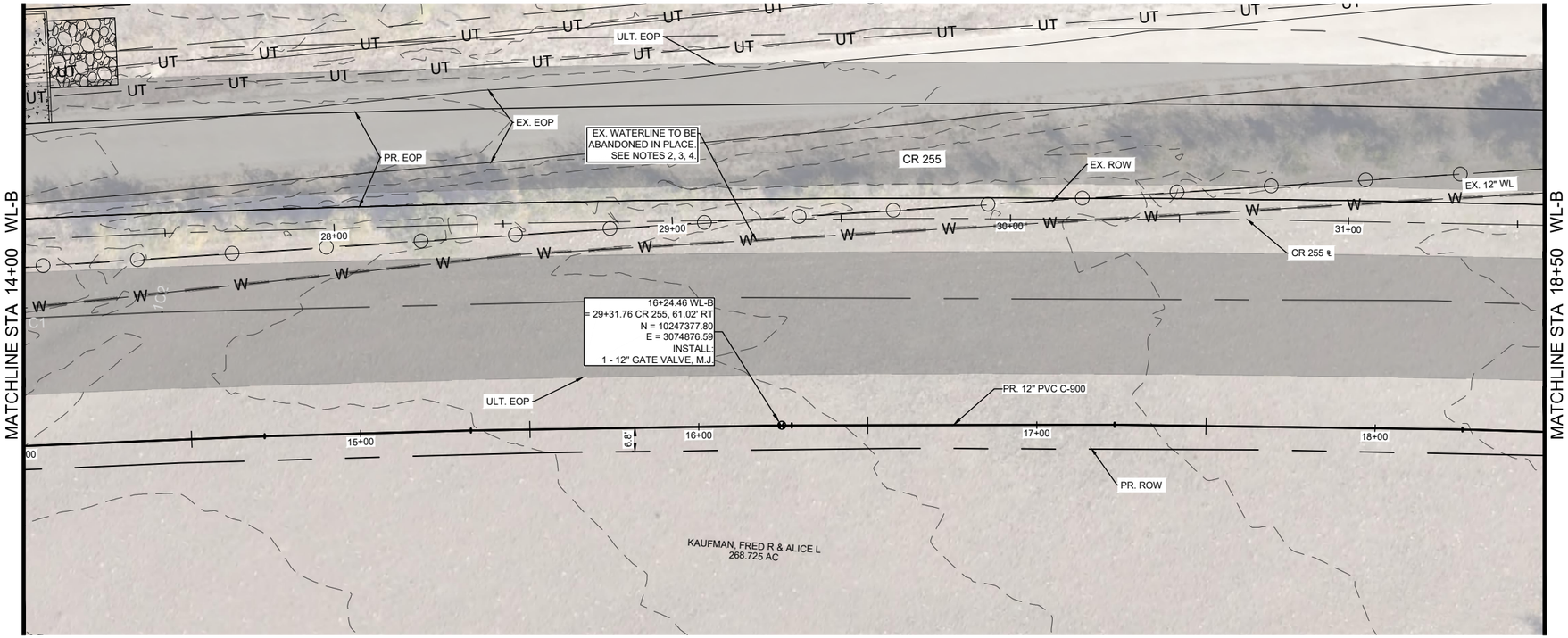
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

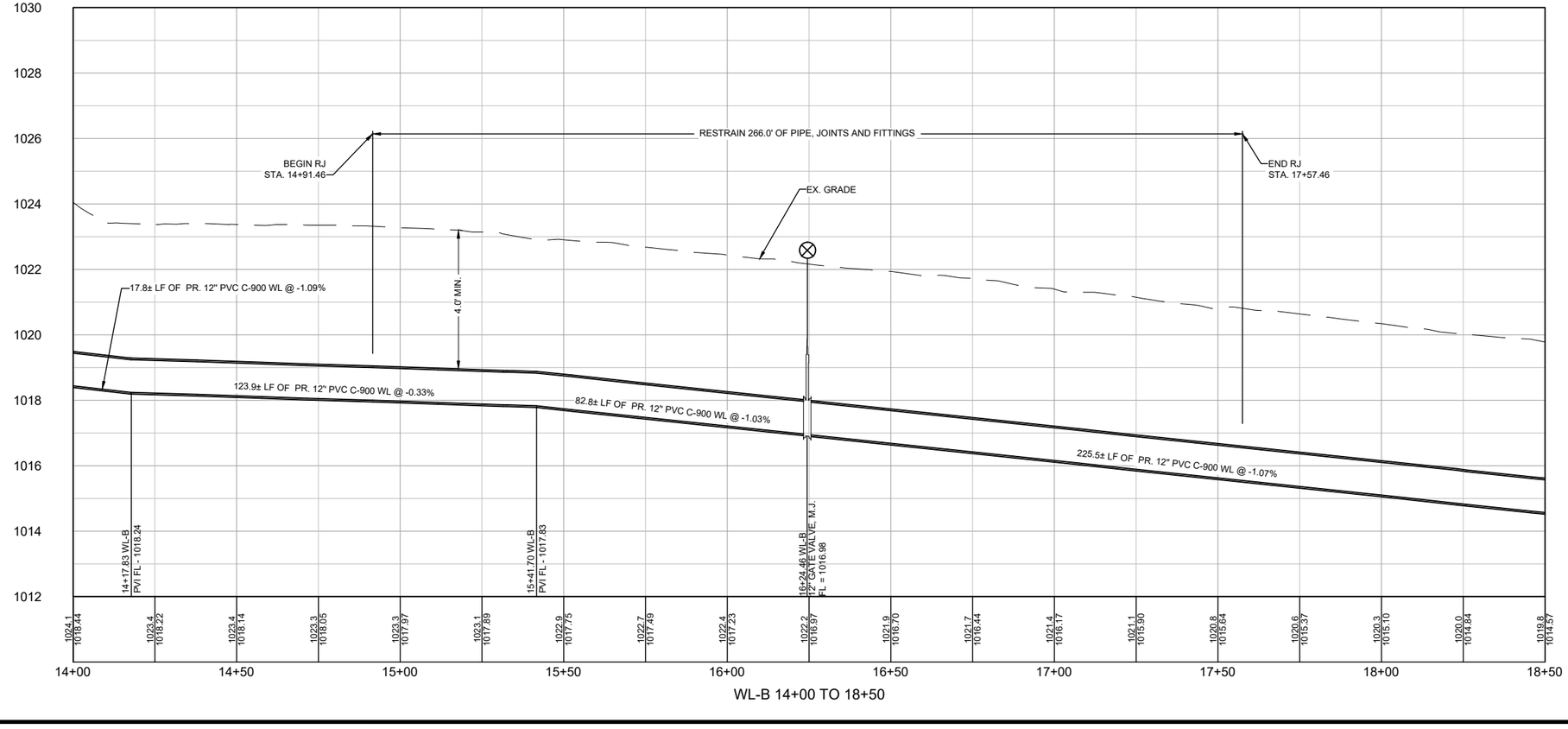
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-201

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-A-B_TAPS.dwg - Tab: WL-B (1) - Plotted: 11/13/2024 4:09 PM By: DENO DRULIAS





WL-B 14+00 TO 18+50

N

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
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- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "B" - STA. 14+00 TO 18+50
PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-202

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-A-B_TAPS.dwg - Tab: WL-B (2) - Plotted: 11/13/2024 4:09 PM By: DENO DRULIAS

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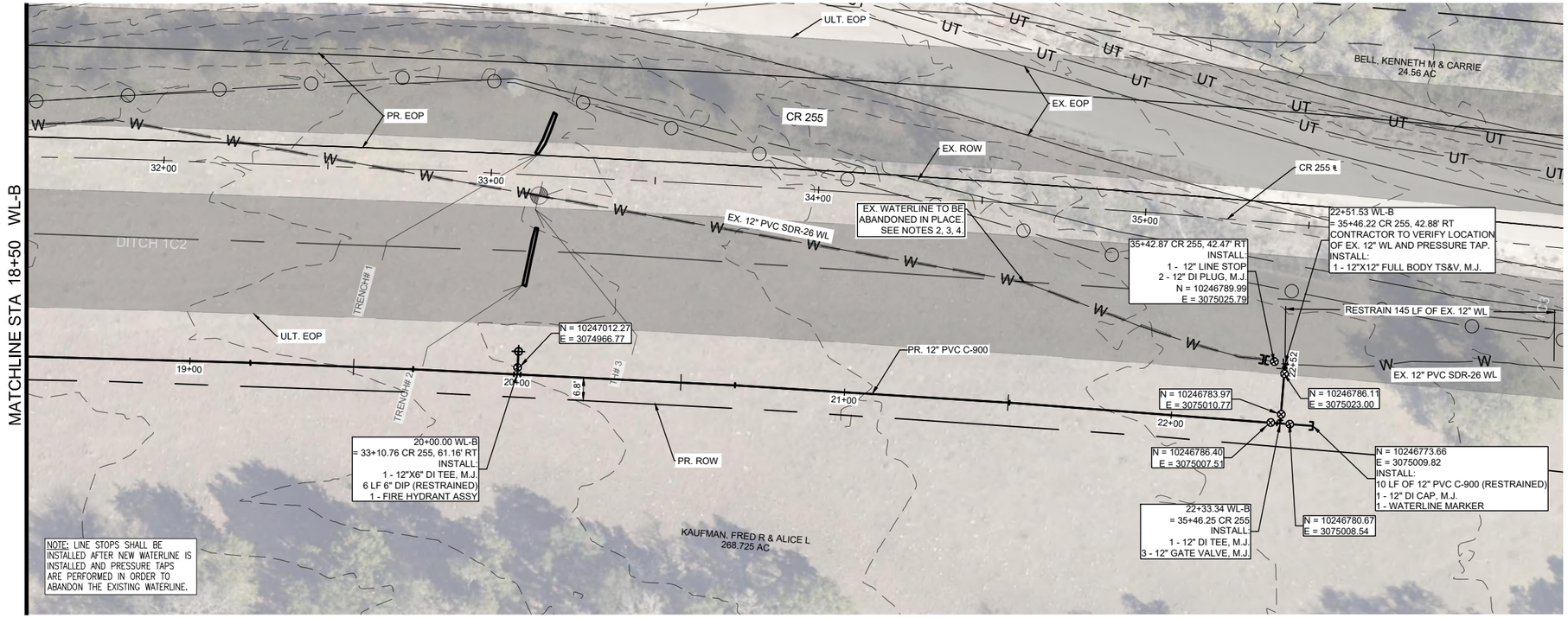
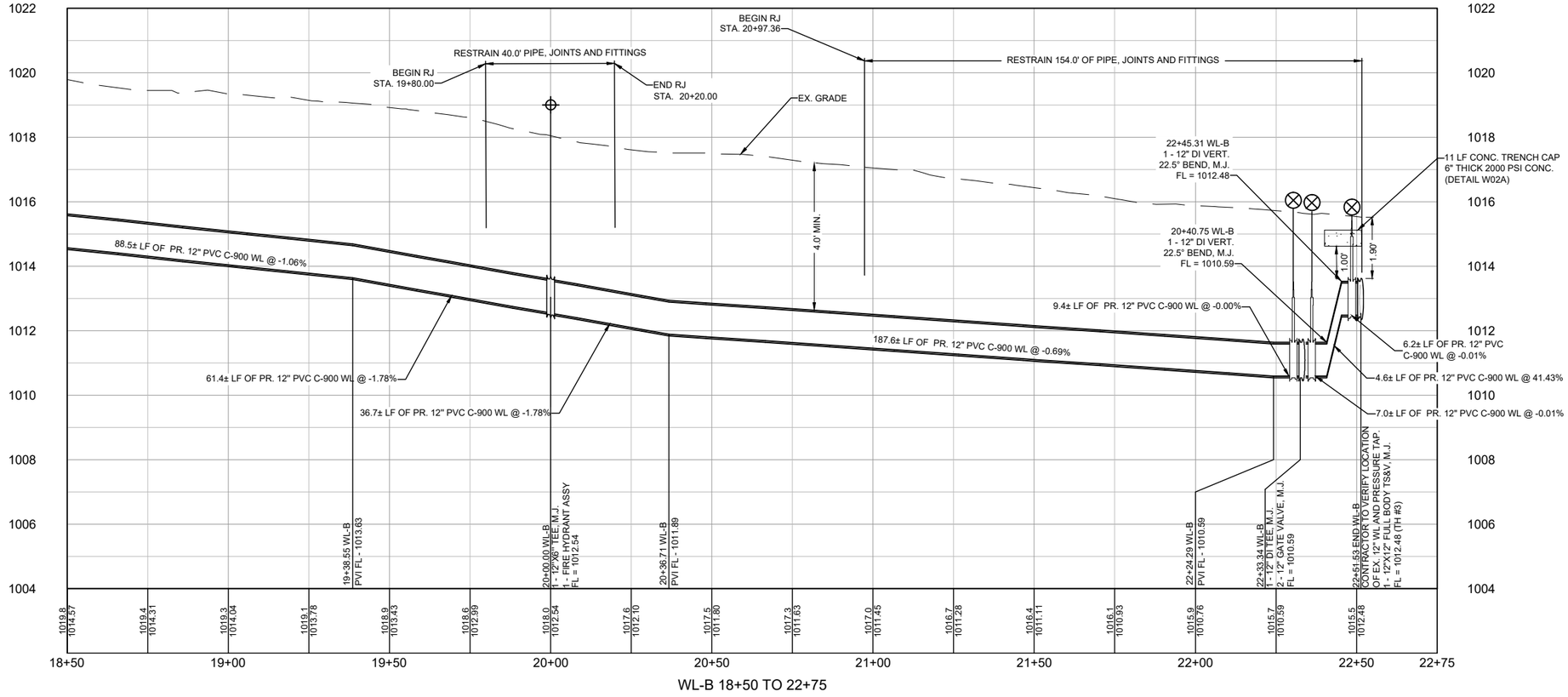
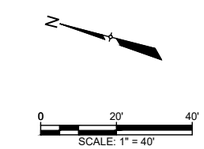




WL-B 18+50 TO 22+75



LEGEND

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WATERLINE "B" - STA. 18+50 TO END
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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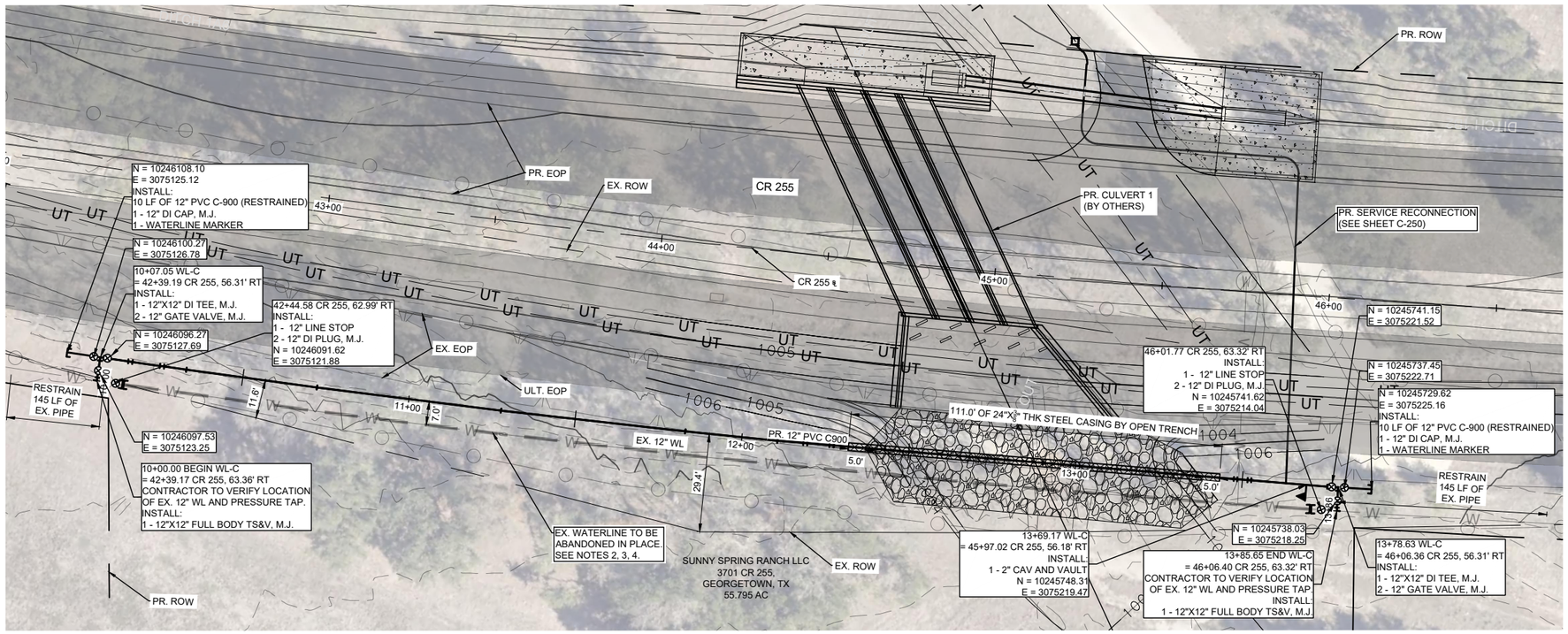
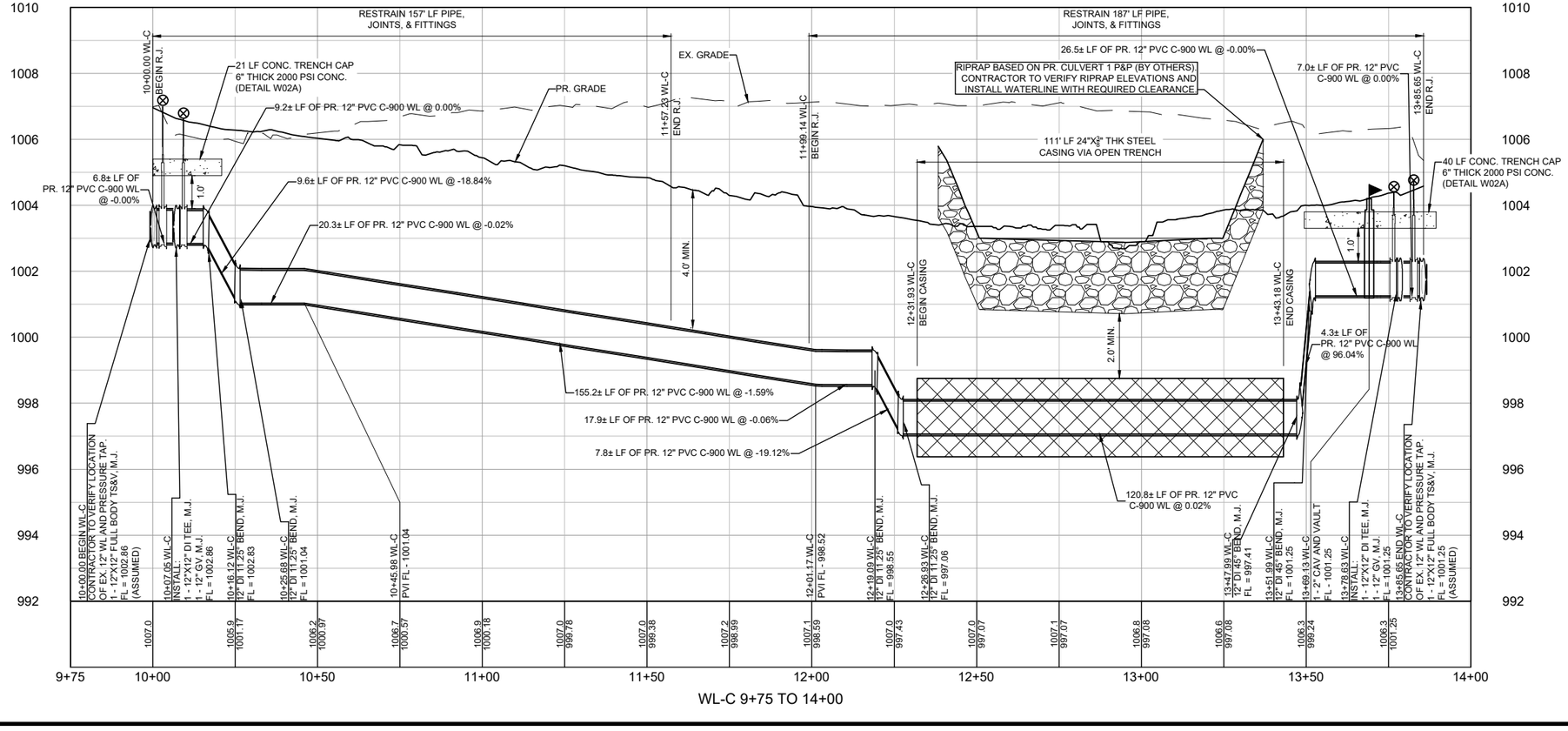
SHEET
C-203





WL-C 9+75 TO 14+00

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- W — EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

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4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
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6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "C" - STA. 10+00 TO END
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

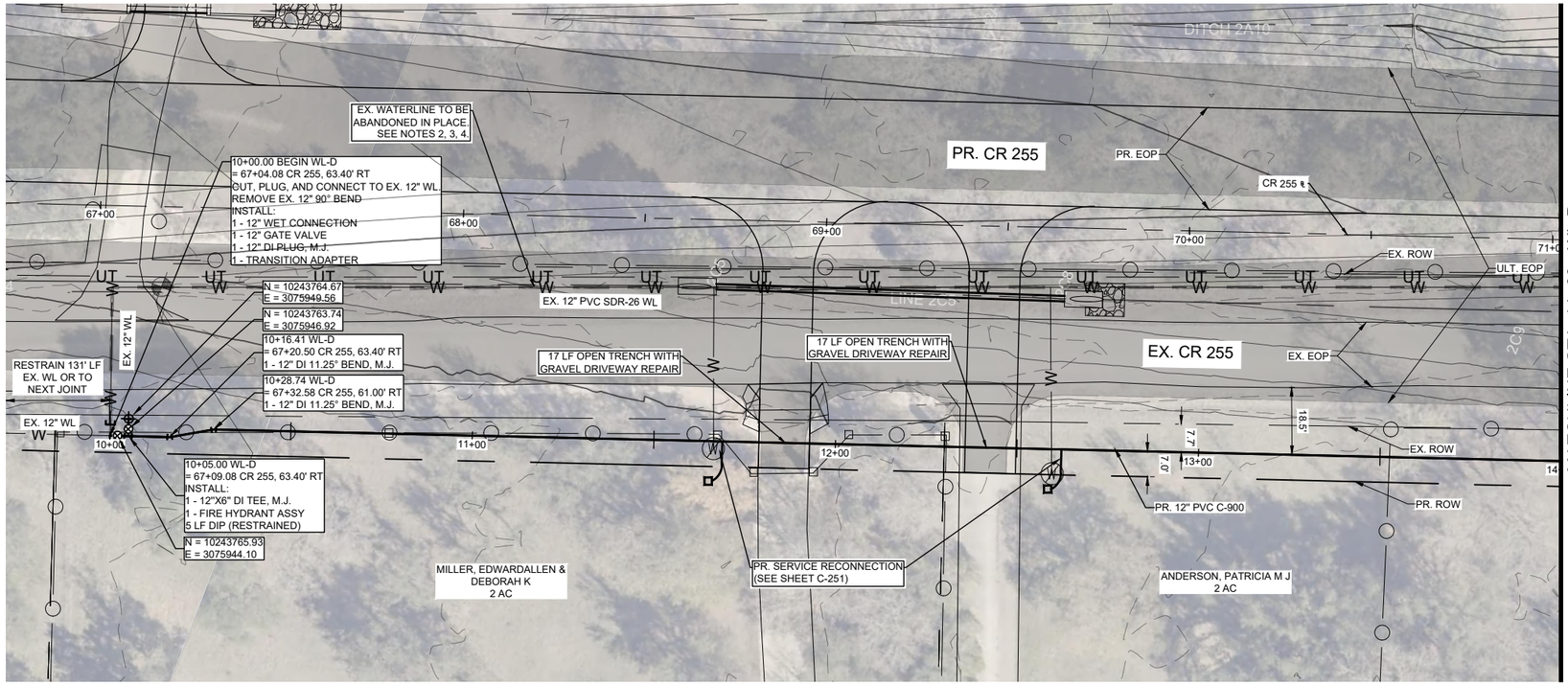
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: A. TERRAZAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

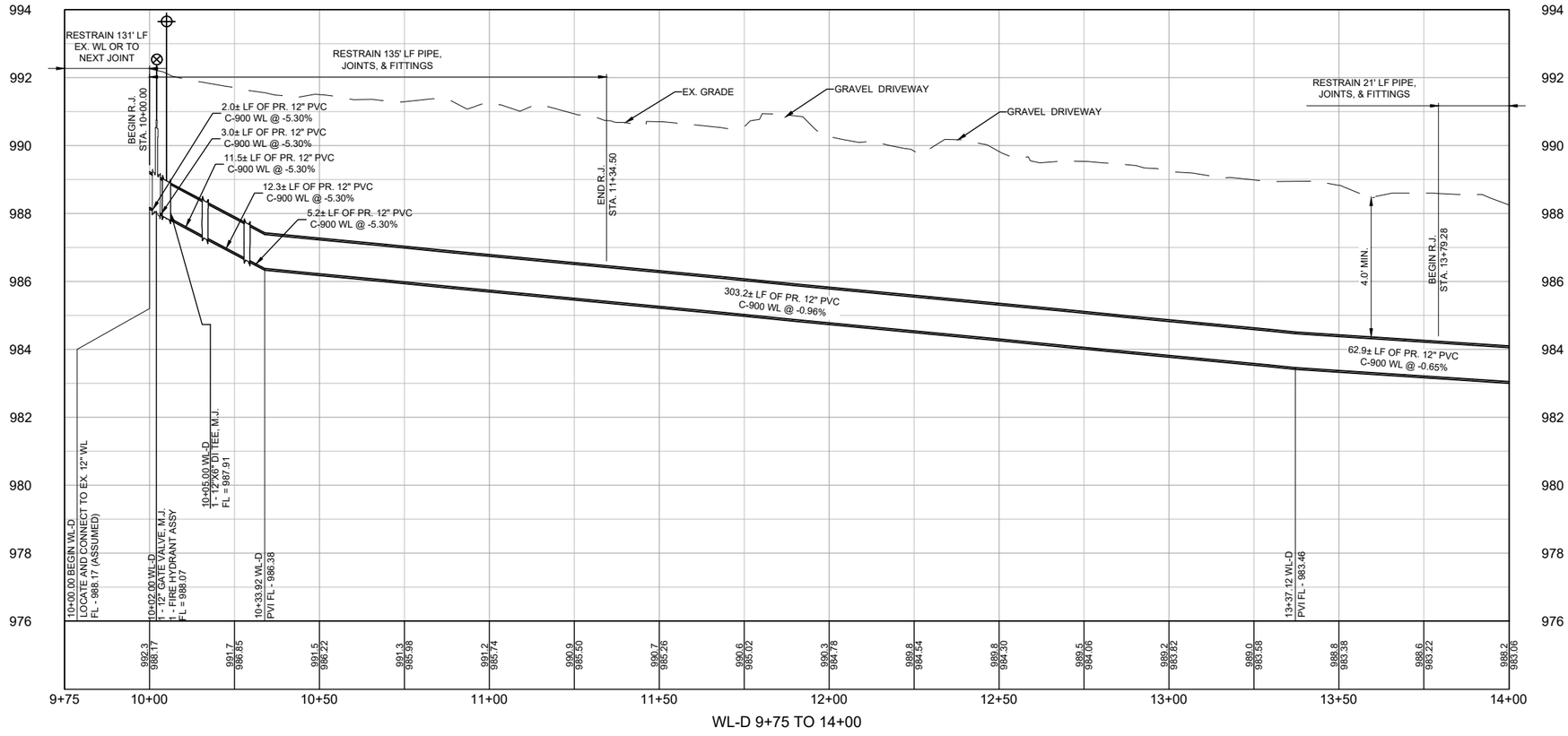
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-204

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-C_TAPS.dwg — Tab: WL-C — Plotted: 11/15/2024 9:33 AM By: KRISTEN VAN HOOSIER







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
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- ULTIMATE PAVEMENT
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- PR. WATER VALVE
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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10061500
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "D" - STA. 10+00 TO 14+00
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

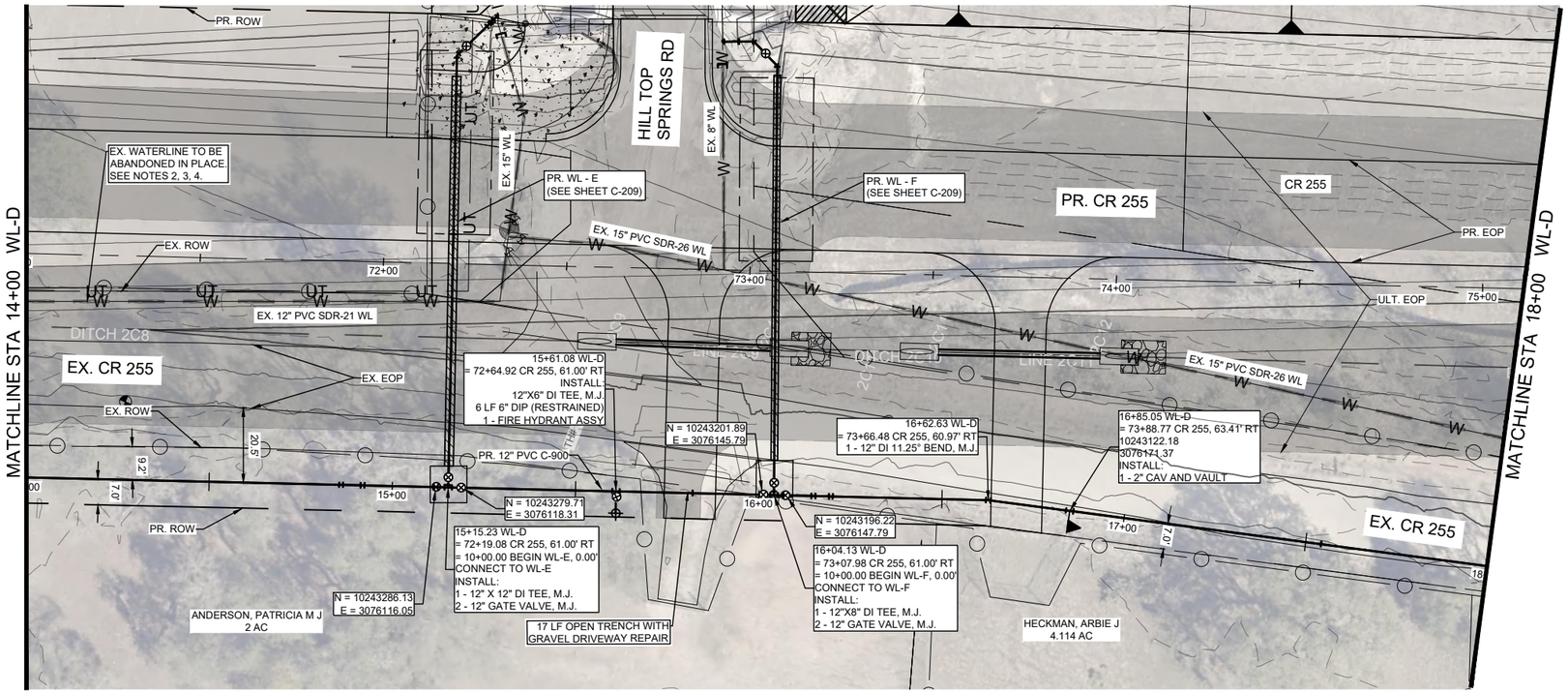
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

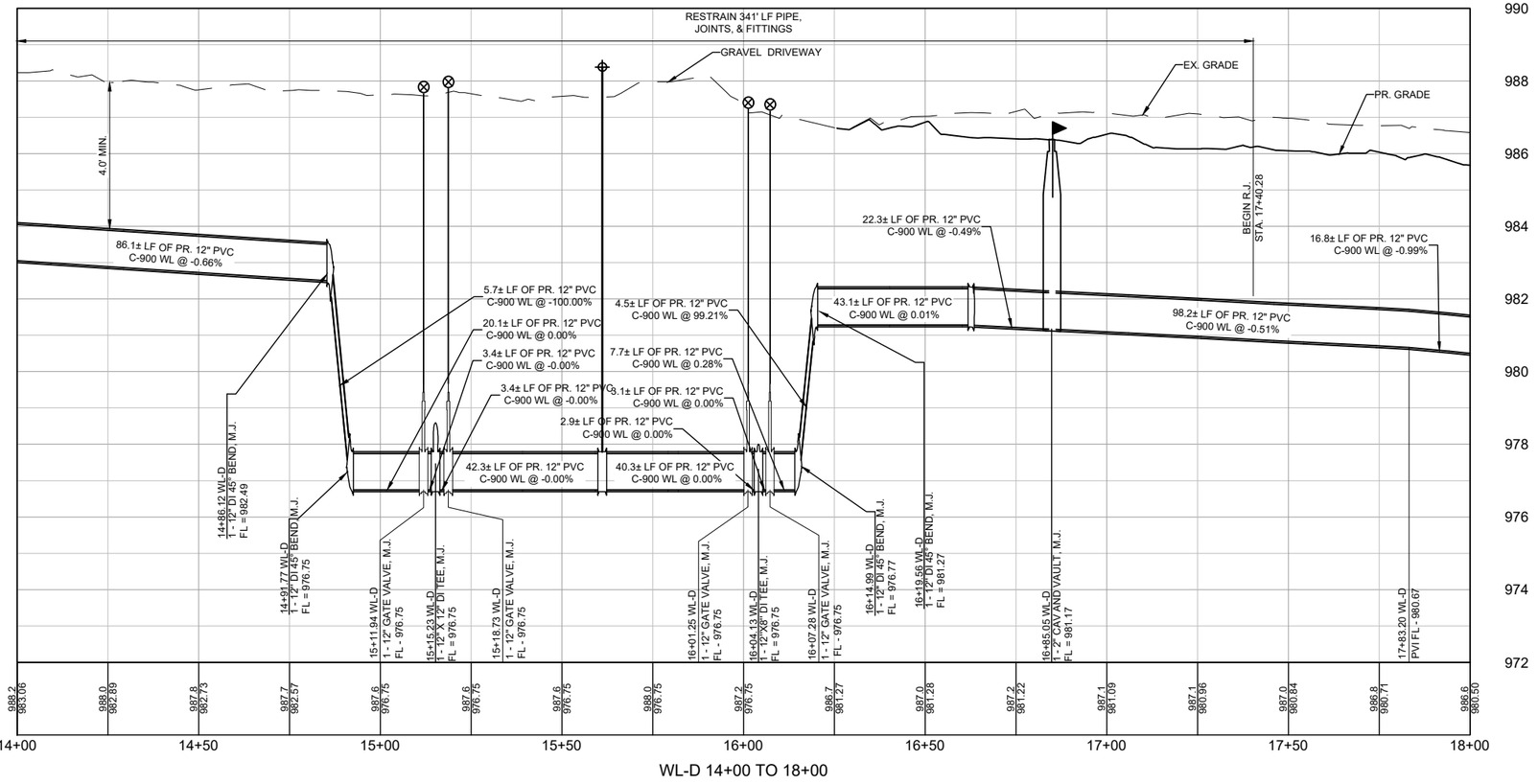
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

SHEET
C-205

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-D-E-F.dwg — Tab: WL-D — Plotted: 11/13/2024 4:13 PM By: DENO DRULIAS





990 990

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136682
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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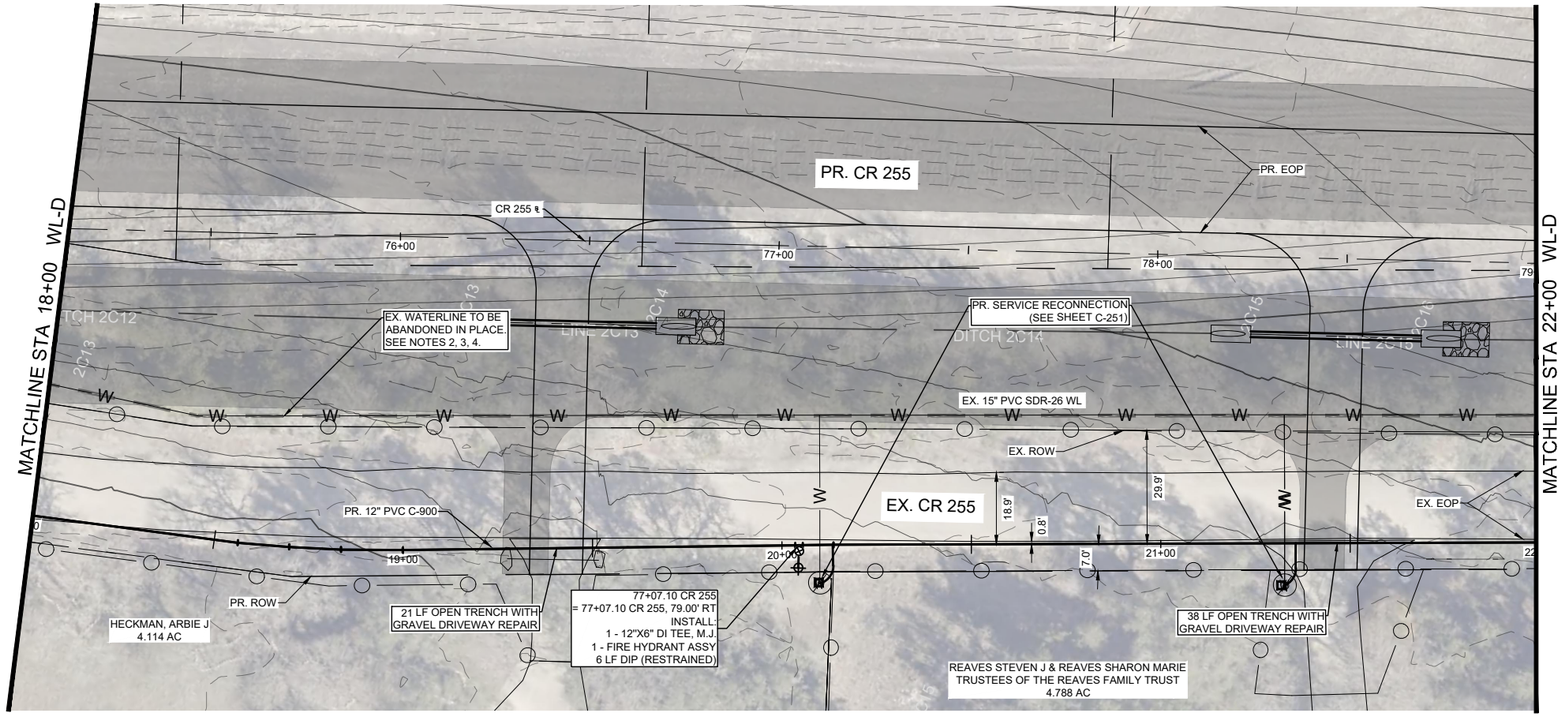
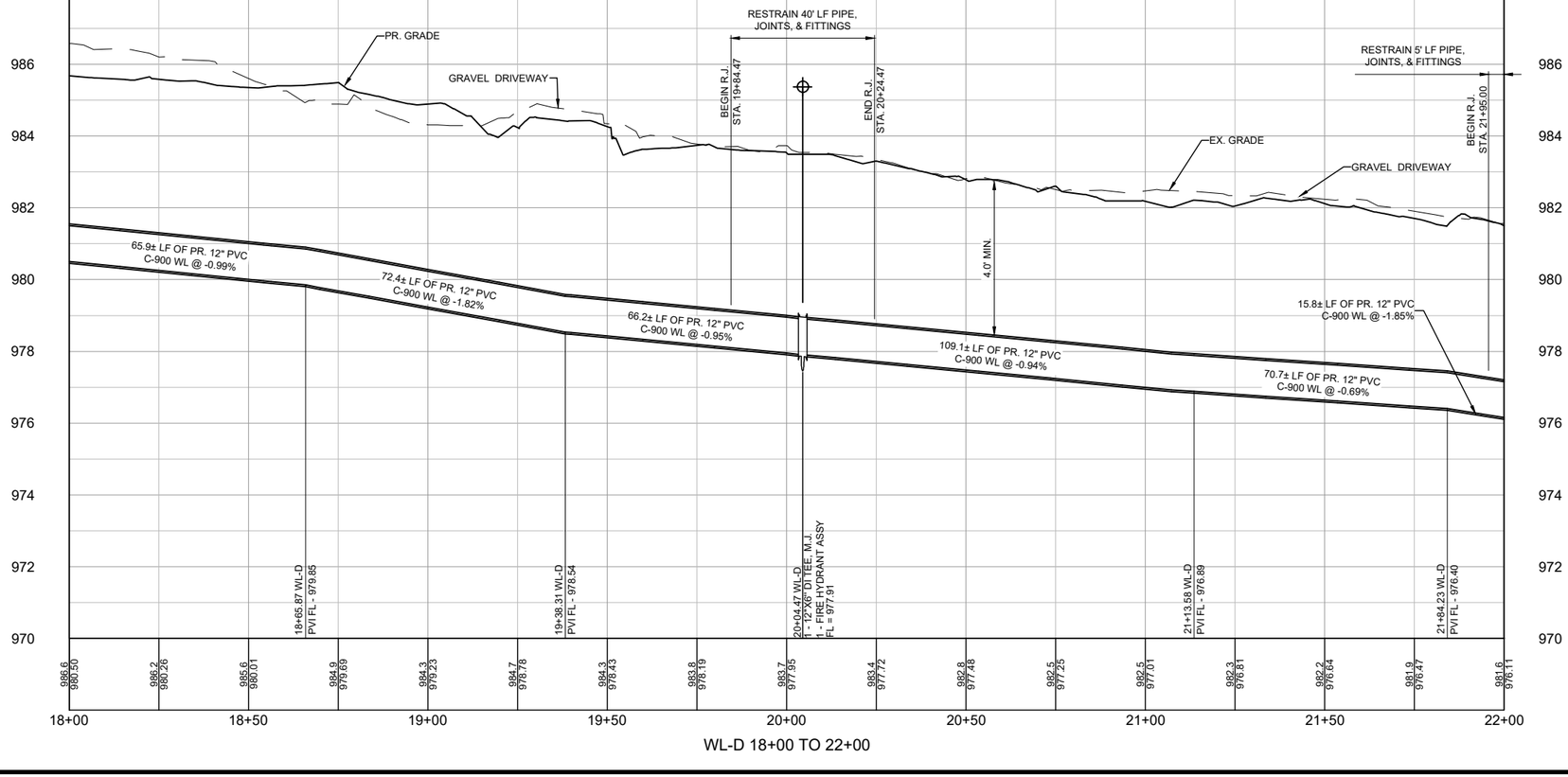
SHEET
C-206

WATERLINE "D" - STA. 14+00 TO 18+00 PLAN AND PROFILE

CR 255 WL RELOCATIONS GEORGETOWN, TEXAS

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-D-E-F.dwg — Tab: WATERLINE "D" – STA. 14+00 TO 18+00 PLAN AND PROFILE — Plotted: 11/13/2024 4:13 PM By: DENO DRULIAS







LEGEND

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- PR. EDGE OF PAVEMENT
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WATERLINE "D" - STA. 18+00 TO 22+00
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
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APPR: K. VAN HOOSIER
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STATE OF TEXAS
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136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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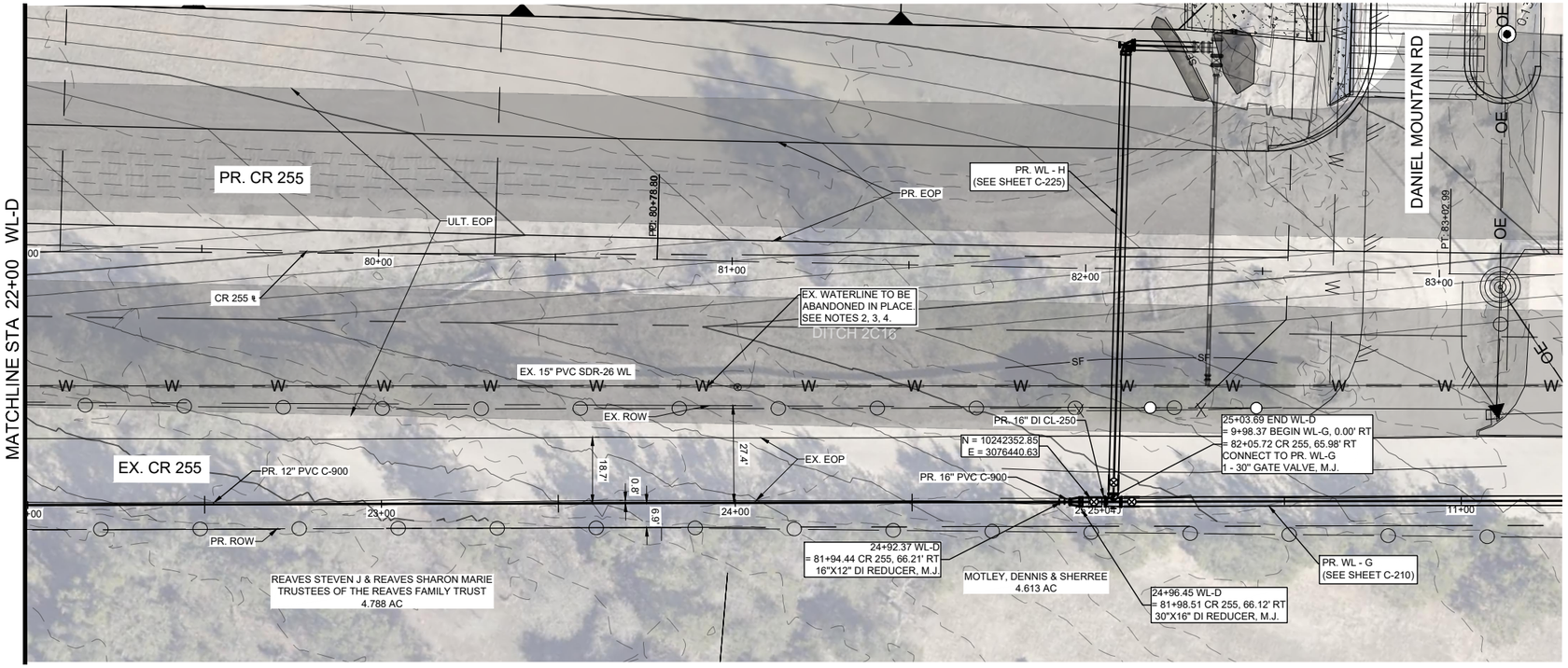
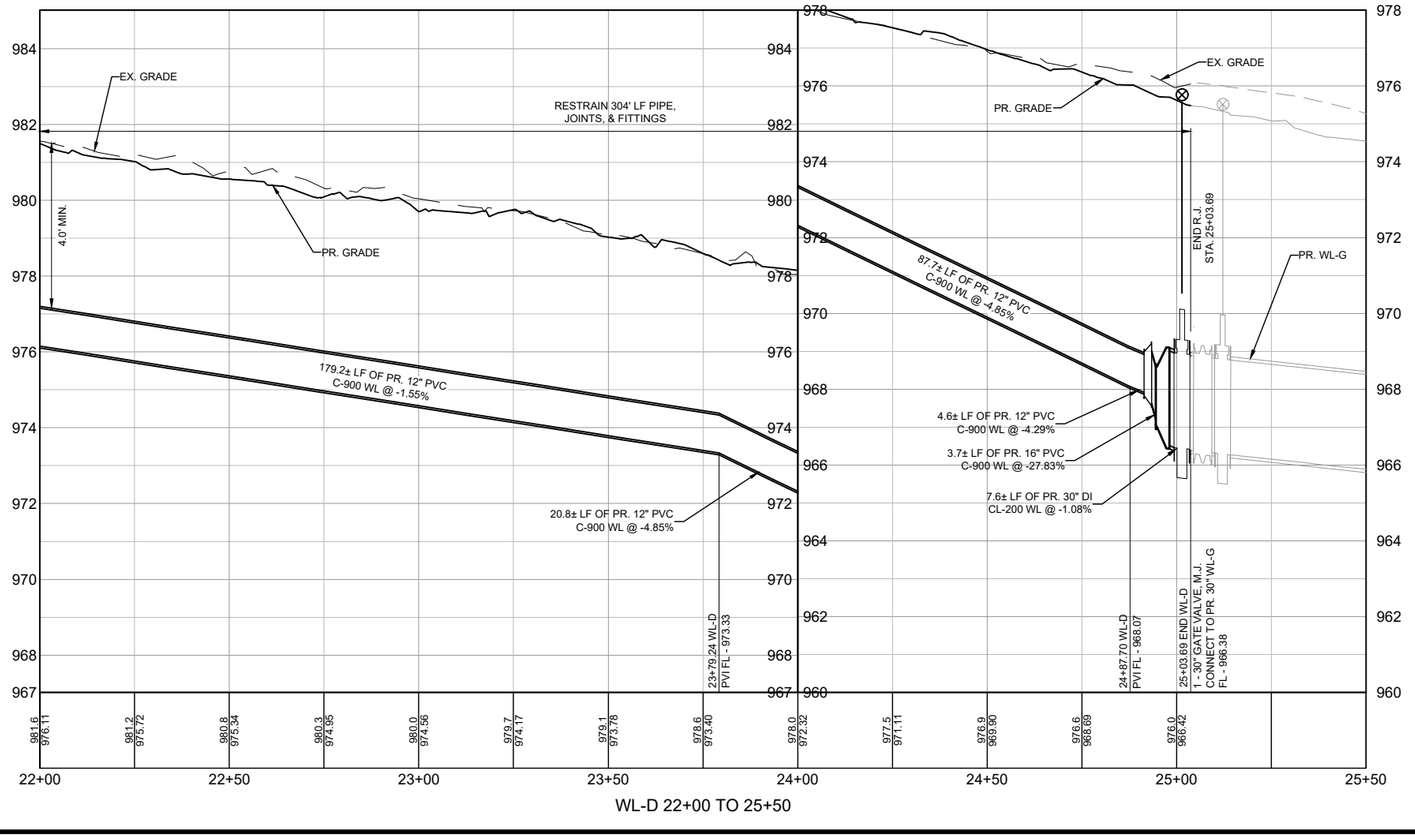
SHEET
C-207

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-D-E-F.dwg — Tab: WATERLINE D — STA. 18+00 TO 22+00 PLAN AND PROFILE — Plotted: 11/13/2024 4:13 PM By: DENO DRULIAS





WL-D 22+00 TO 25+50



LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
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3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "D" - STA. 22+00 TO END
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

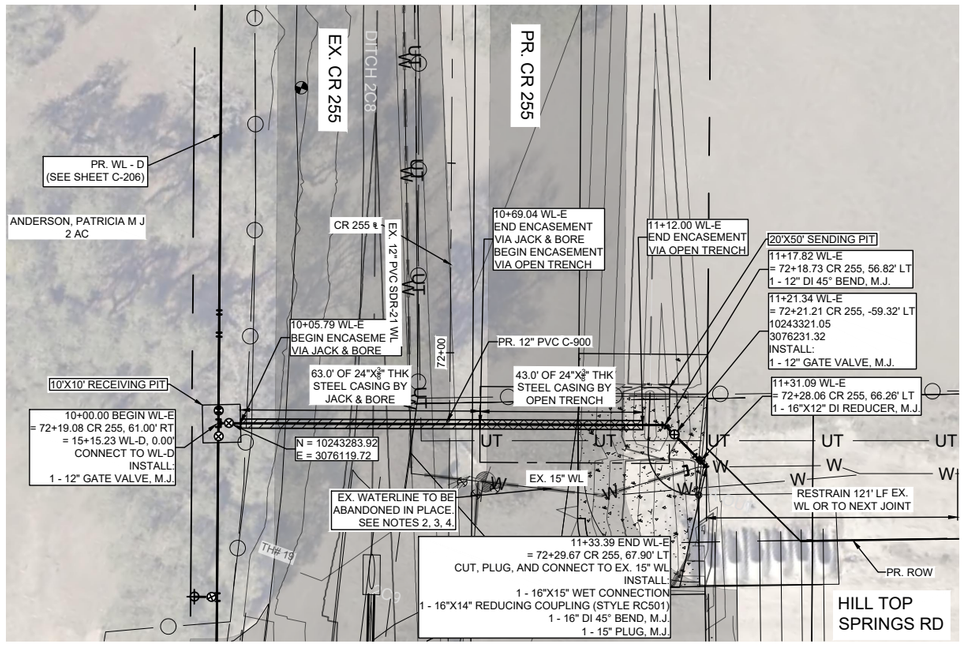
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

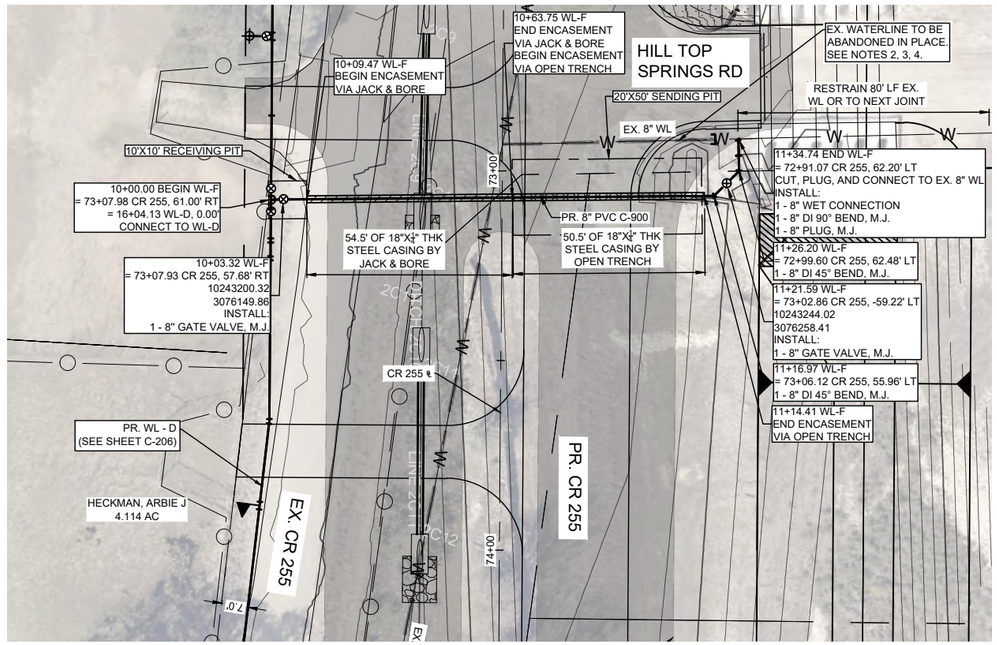
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

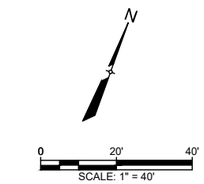
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-208

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-D-E-F.dwg - Tab: WATERLINE D - STA. 22+00 TO END PLAN AND PROFILE - Plotted: 11/13/2024 4:13 PM By: DENO DRULIAS







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
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- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
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- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
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- EX. WATER METER
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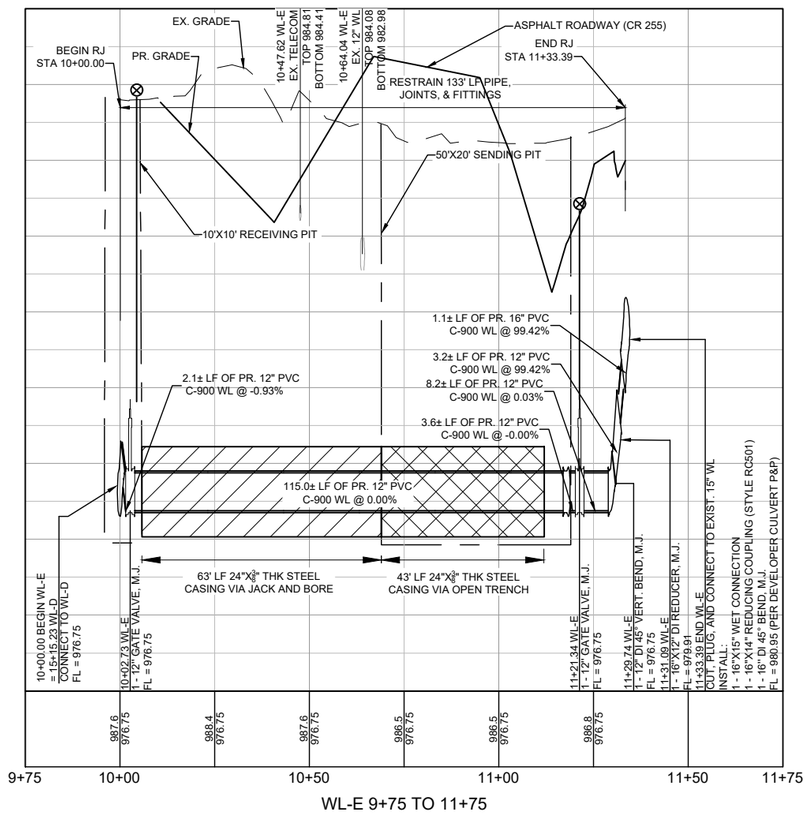
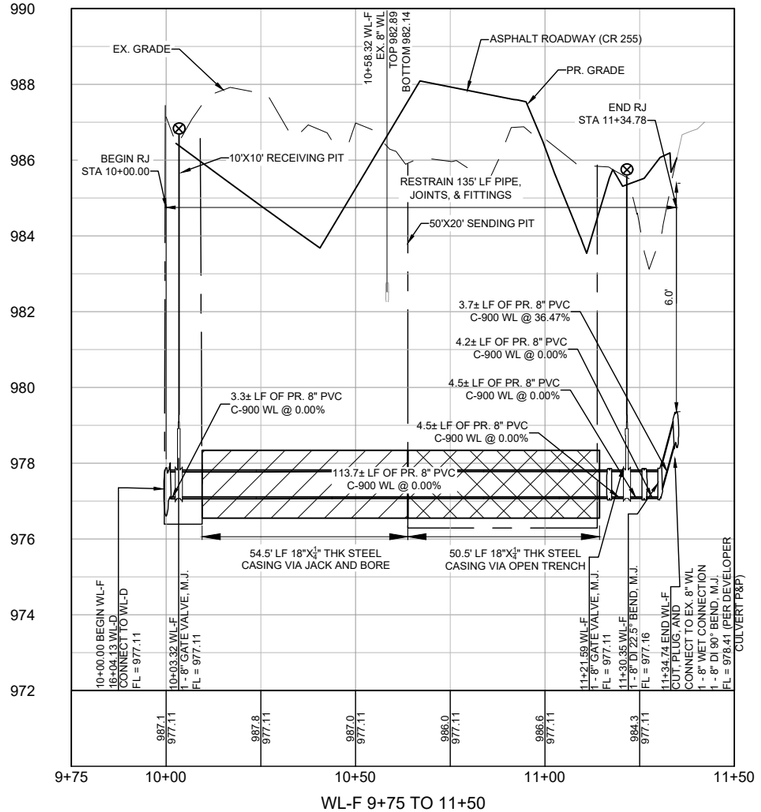


WL-E 9+75 TO 11+75



WL-F 9+75 TO 11+50

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "E" & "F" - STA. 10+00 TO END PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

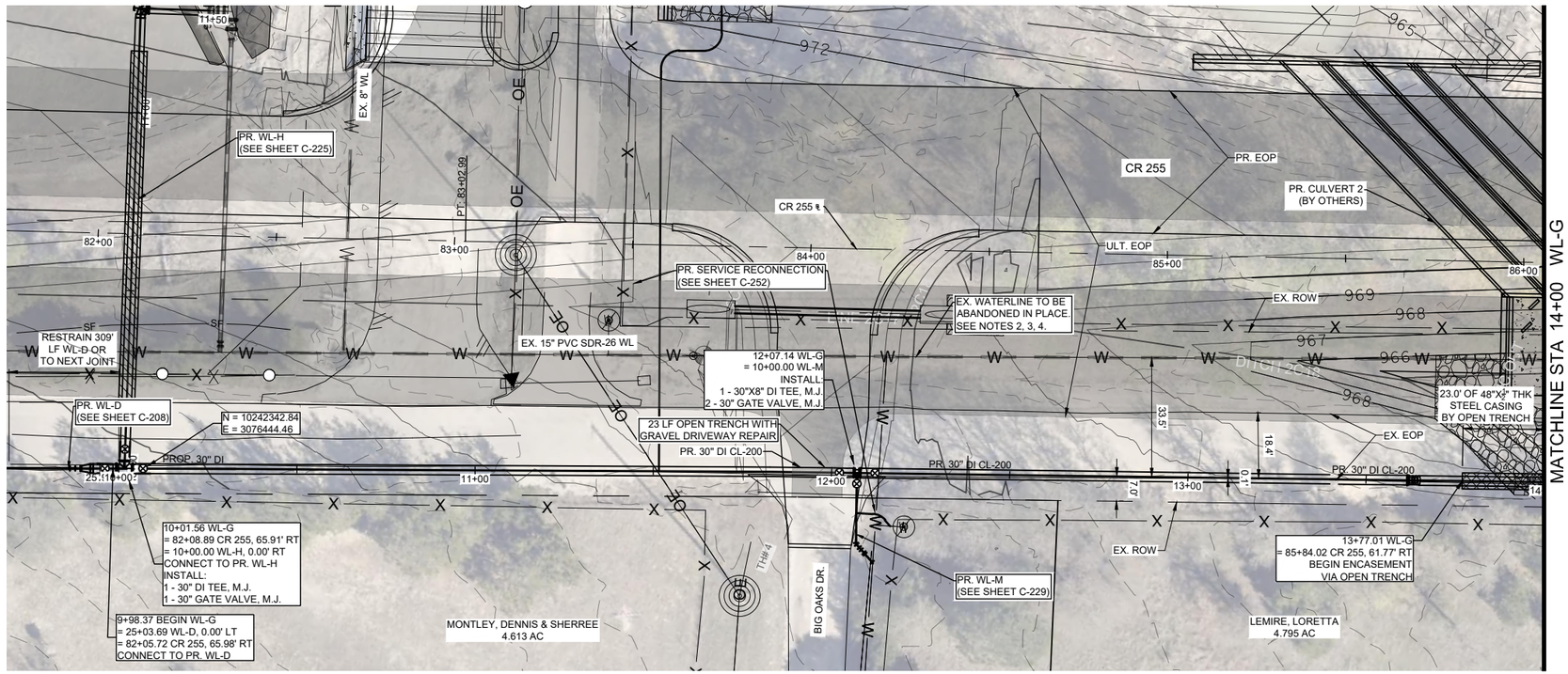
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

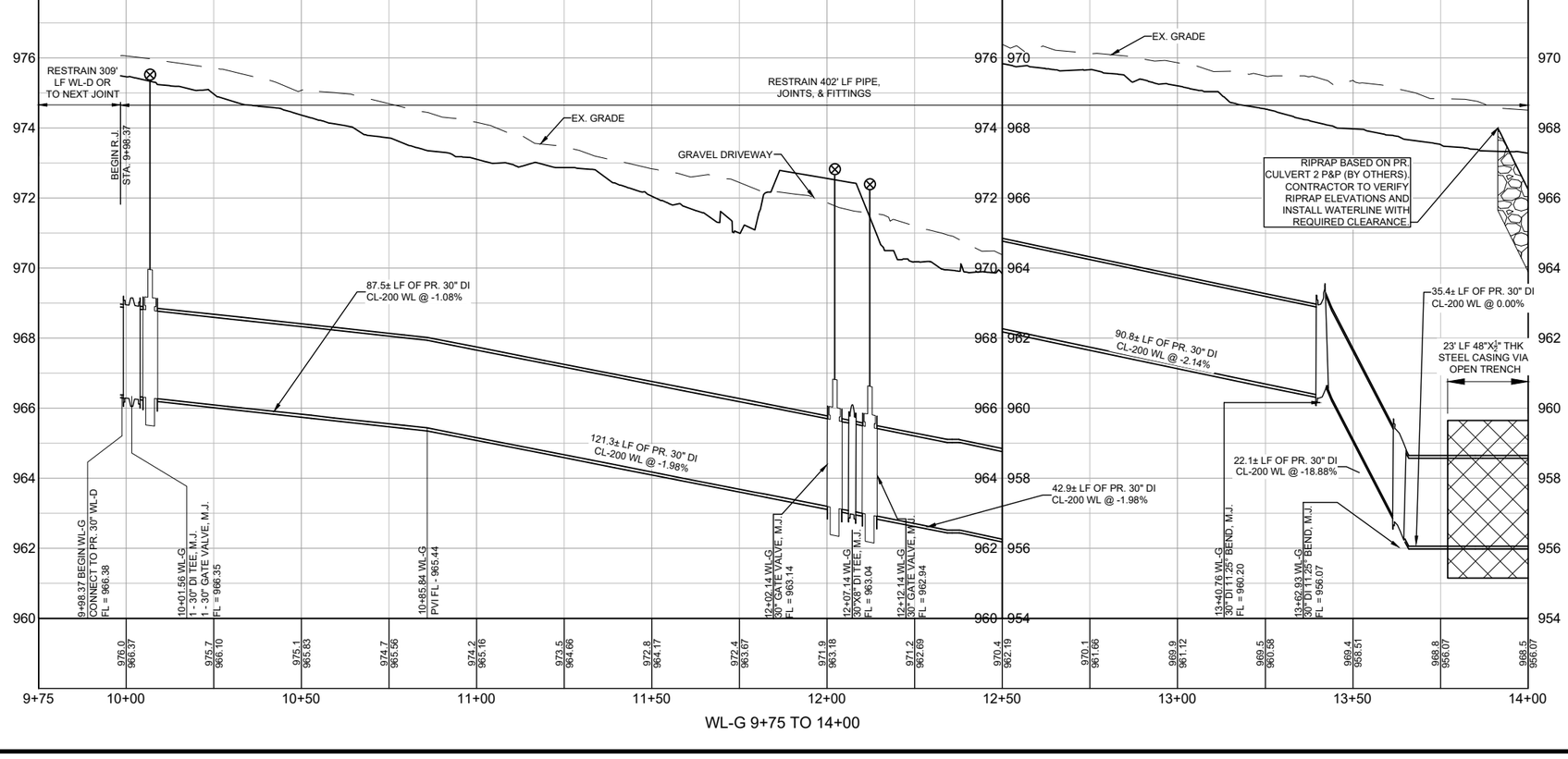
STATE OF TEXAS
KRISTEN VAN HOOSIER
136682
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

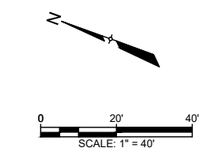
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-209

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-D-E-F.dwg — Tab: WATERLINE "E" & "F" — STA. 10+00 TO END PLAN AND PROFILE — Plotted: 11/13/2024 4:13 PM By: DENO DRULIAS







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
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- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
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- FUTURE ULTIMATE ROAD PAVEMENT

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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 10+00 TO 14+00 PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

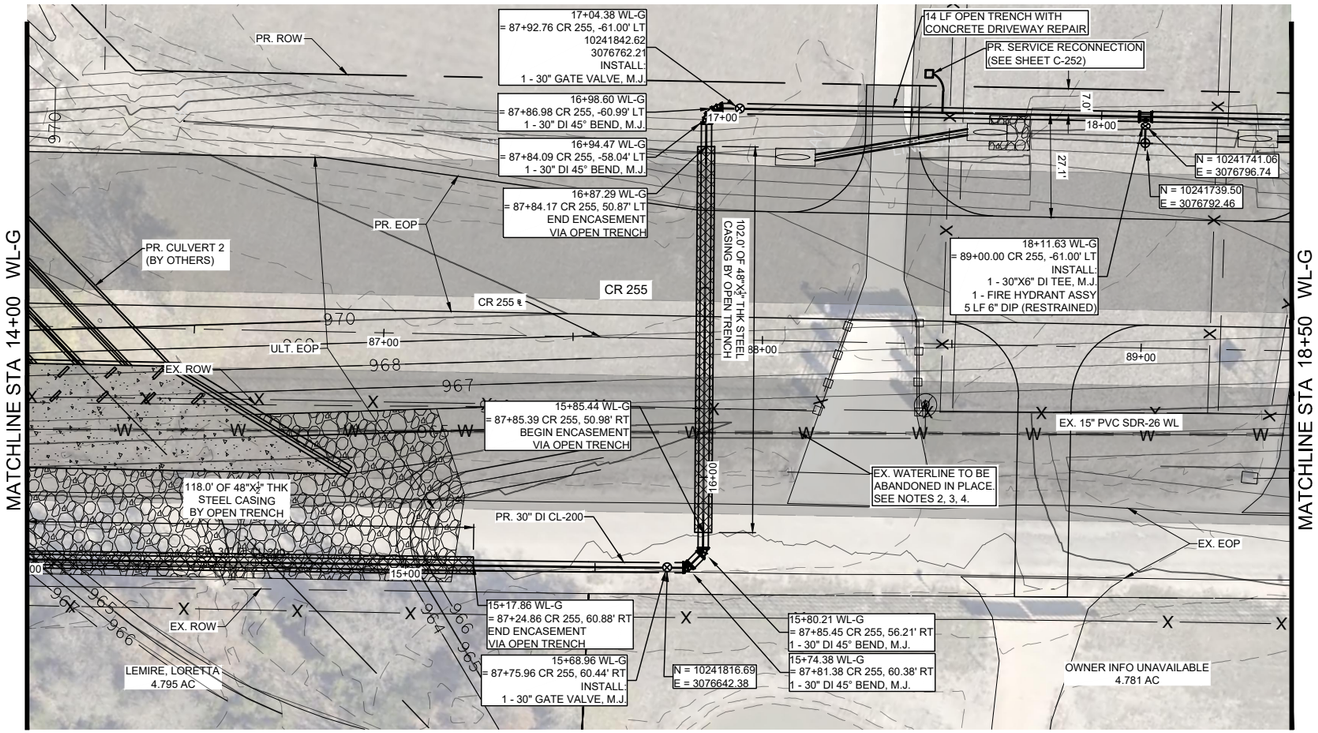
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

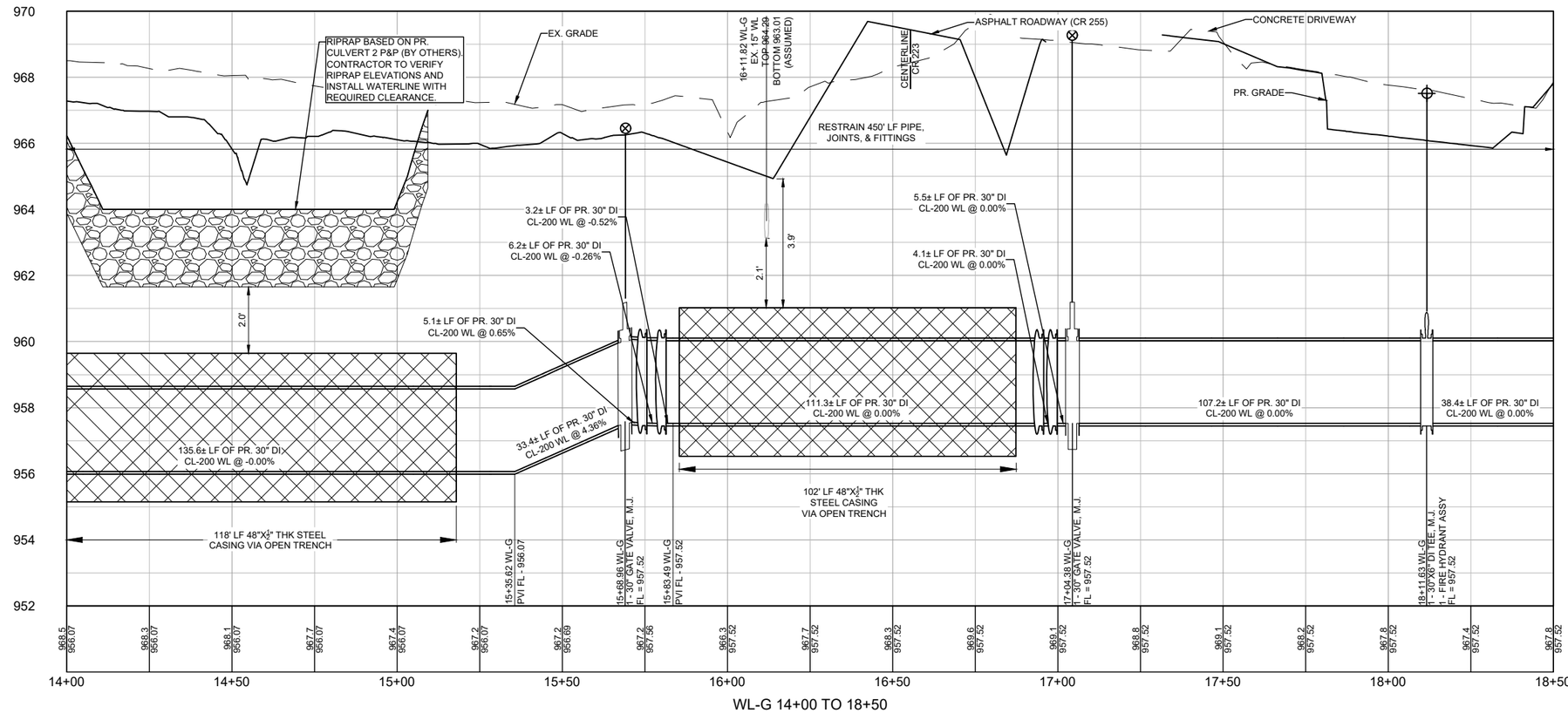
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

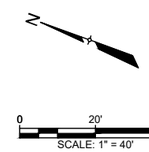
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-210

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G1.dwg — Tab: WATERLINE "G" — STA. 10+00 TO 14+00 PLAN AND PROFILE — Plotted: 11/13/2024 4:14 PM By: DENO DRULIAS







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
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- PR. STORM DRAIN
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- EX. WATER VALVE
- PR. WATER VALVE
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WATERLINE "G" - STA. 14+00 TO 18+50
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

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PROFESSIONAL ENGINEER
11/15/2024

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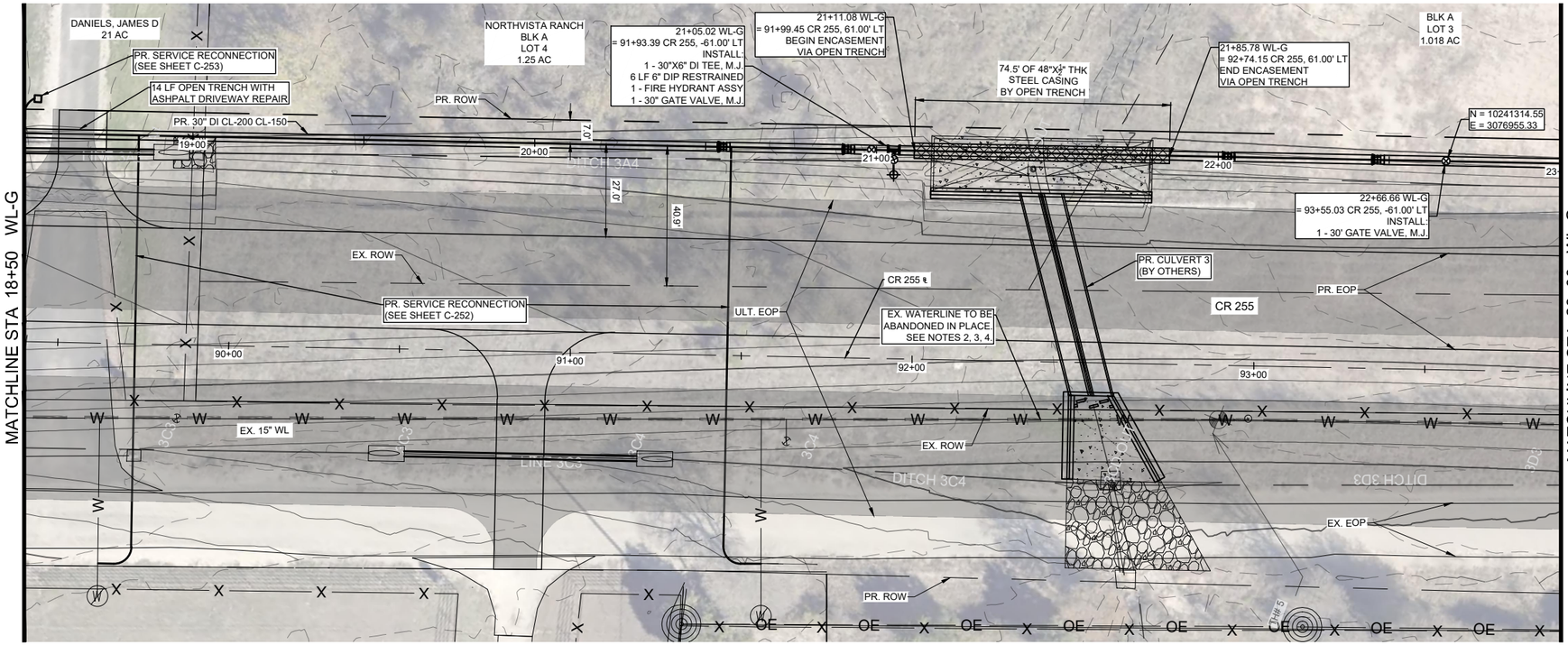
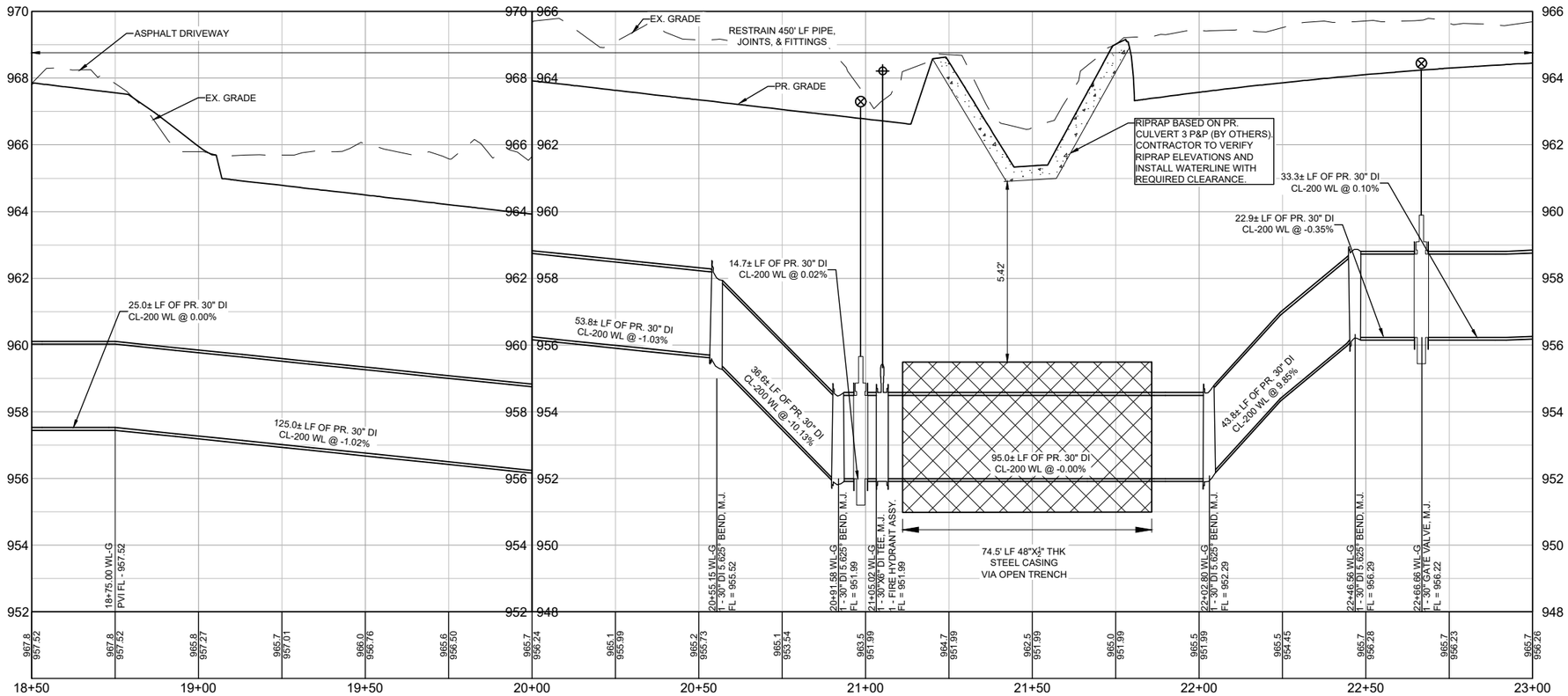
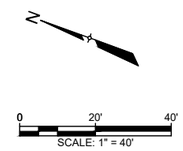
SHEET
C-211

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G1.dwg - Tab: WATERLINE "G" - STA. 14+00 TO 18+50 PLAN AND PROFILE - Plotted: 11/13/2024 4:14 PM By: DENO DRULIAS





WL-G 18+50 TO 23+00



LEGEND

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- PR. FIRE HYDRANT
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- PR. AIR RELEASE VALVE
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8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 18+50 TO 23+00
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-212

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G1.dwg — Tab: WATERLINE "G" — STA. 18+50 TO 23+00 PLAN AND PROFILE — Plotted: 11/13/2024 4:14 PM By: DENO DRULIAS

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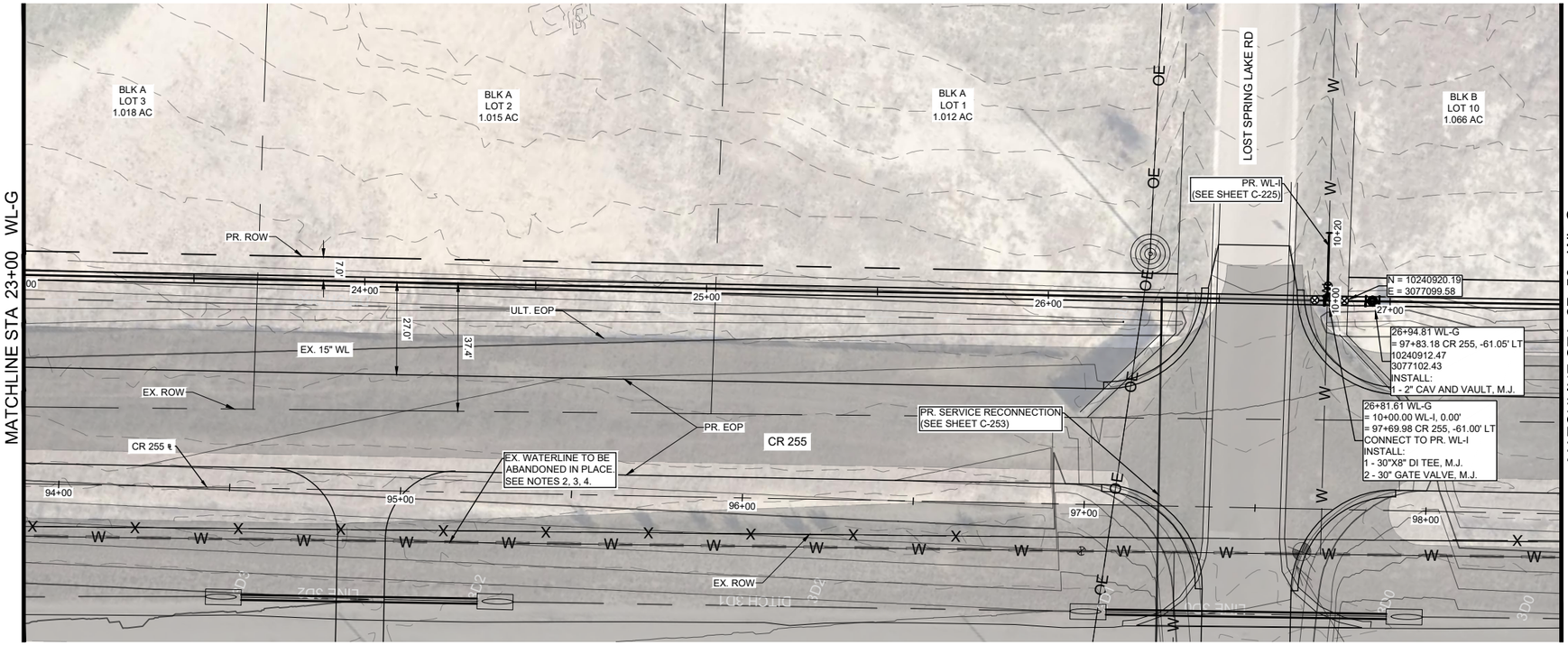

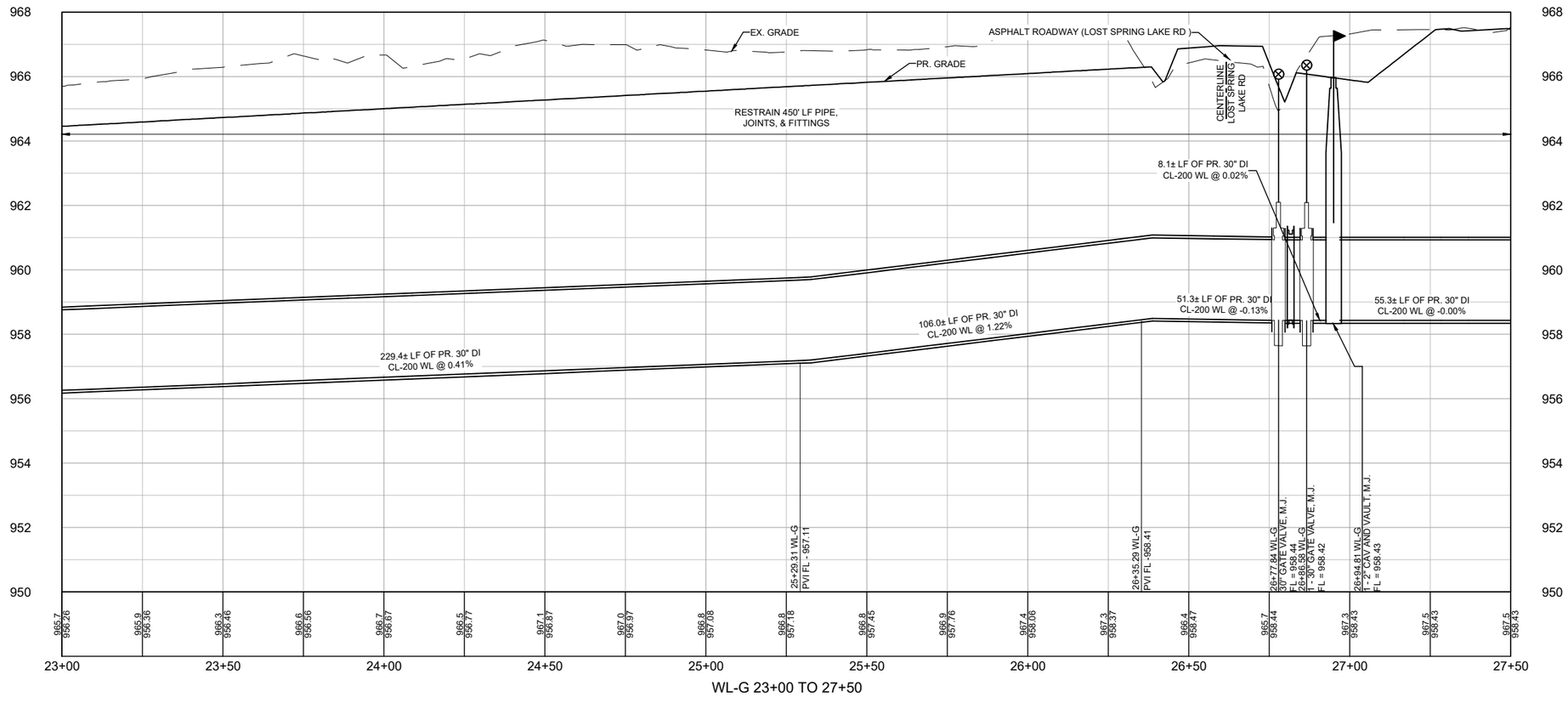

0 20' 40'
SCALE: 1" = 40'

LEGEND

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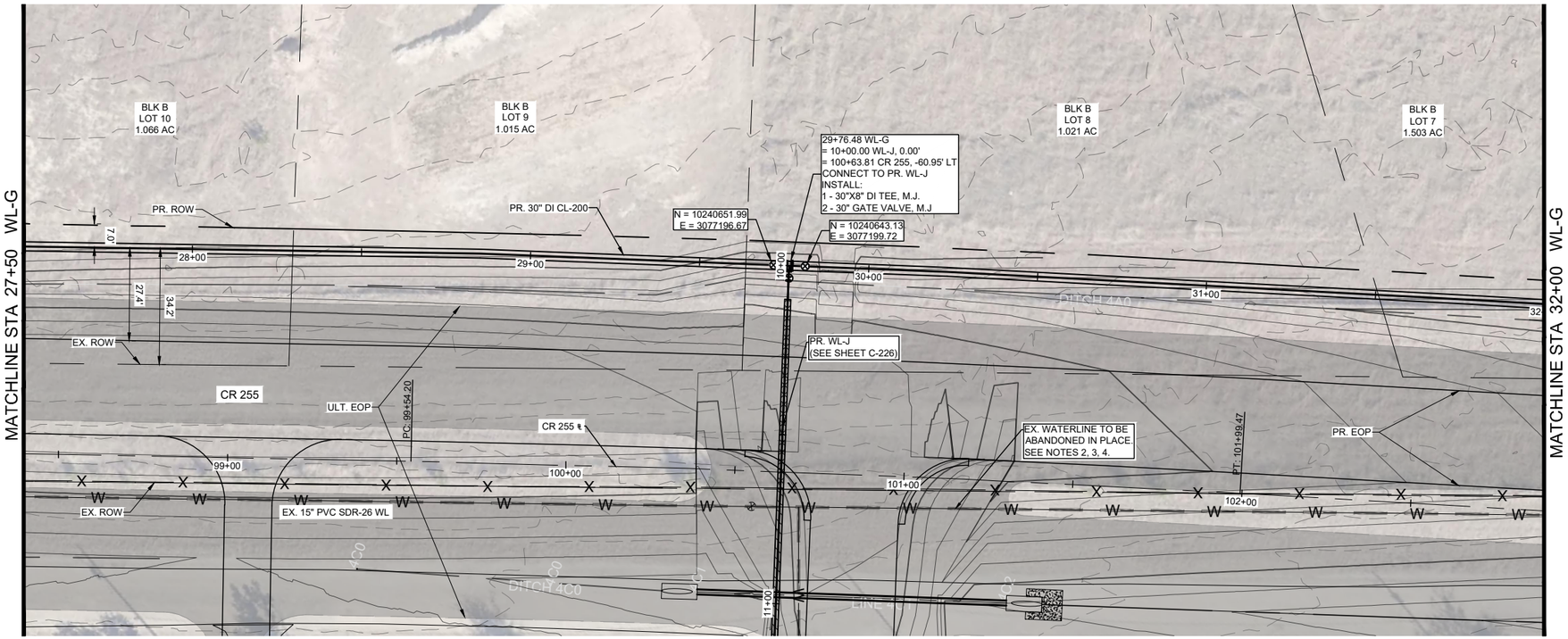

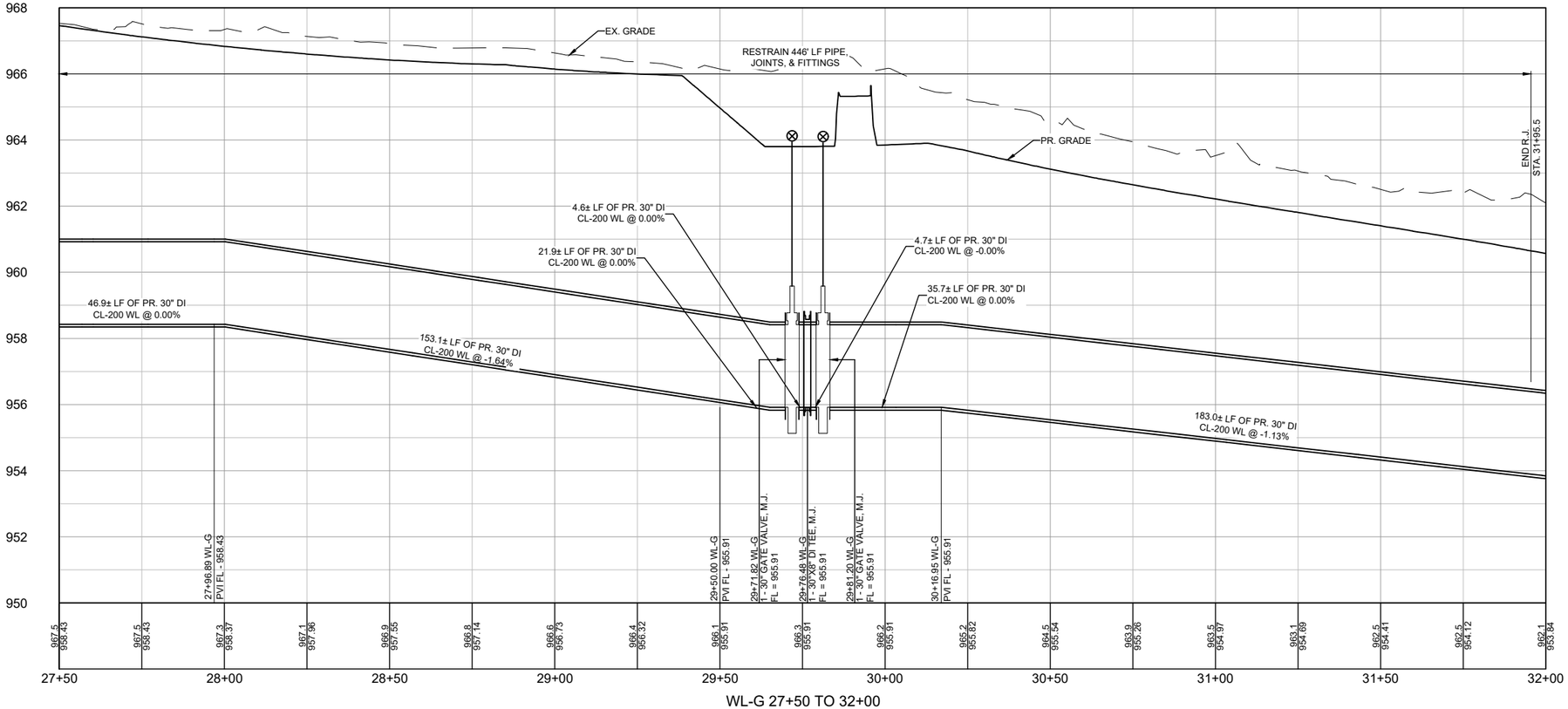

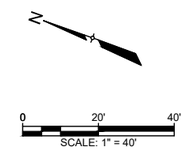

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WATERLINE "G" - STA. 27+50 TO 32+00
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C-214

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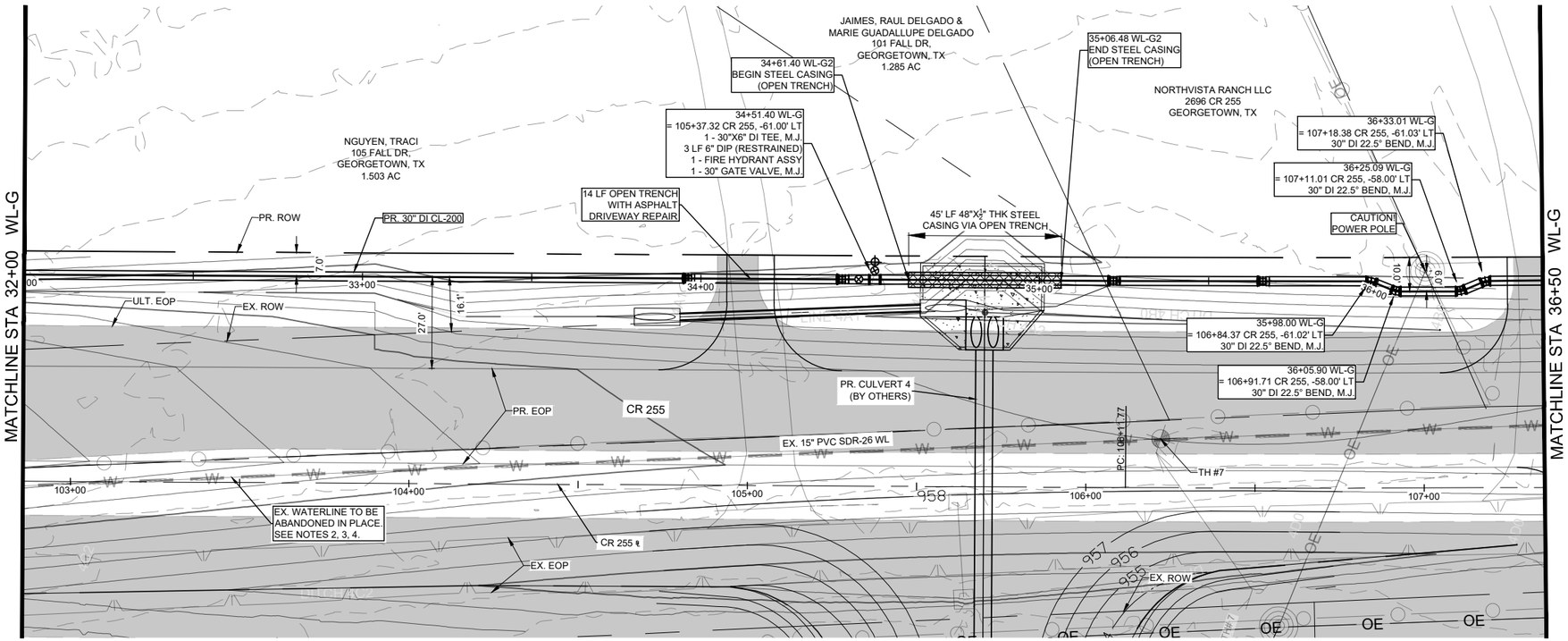

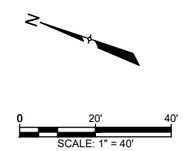

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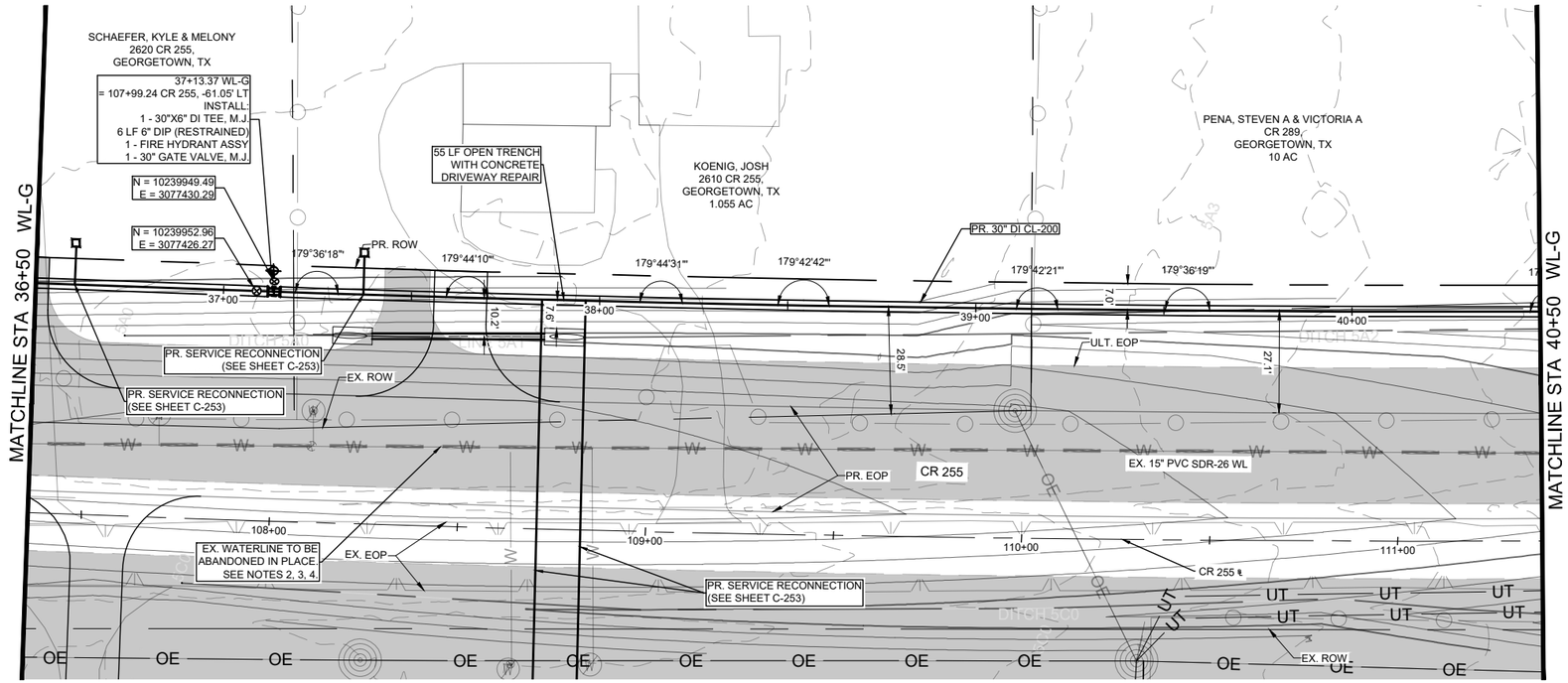
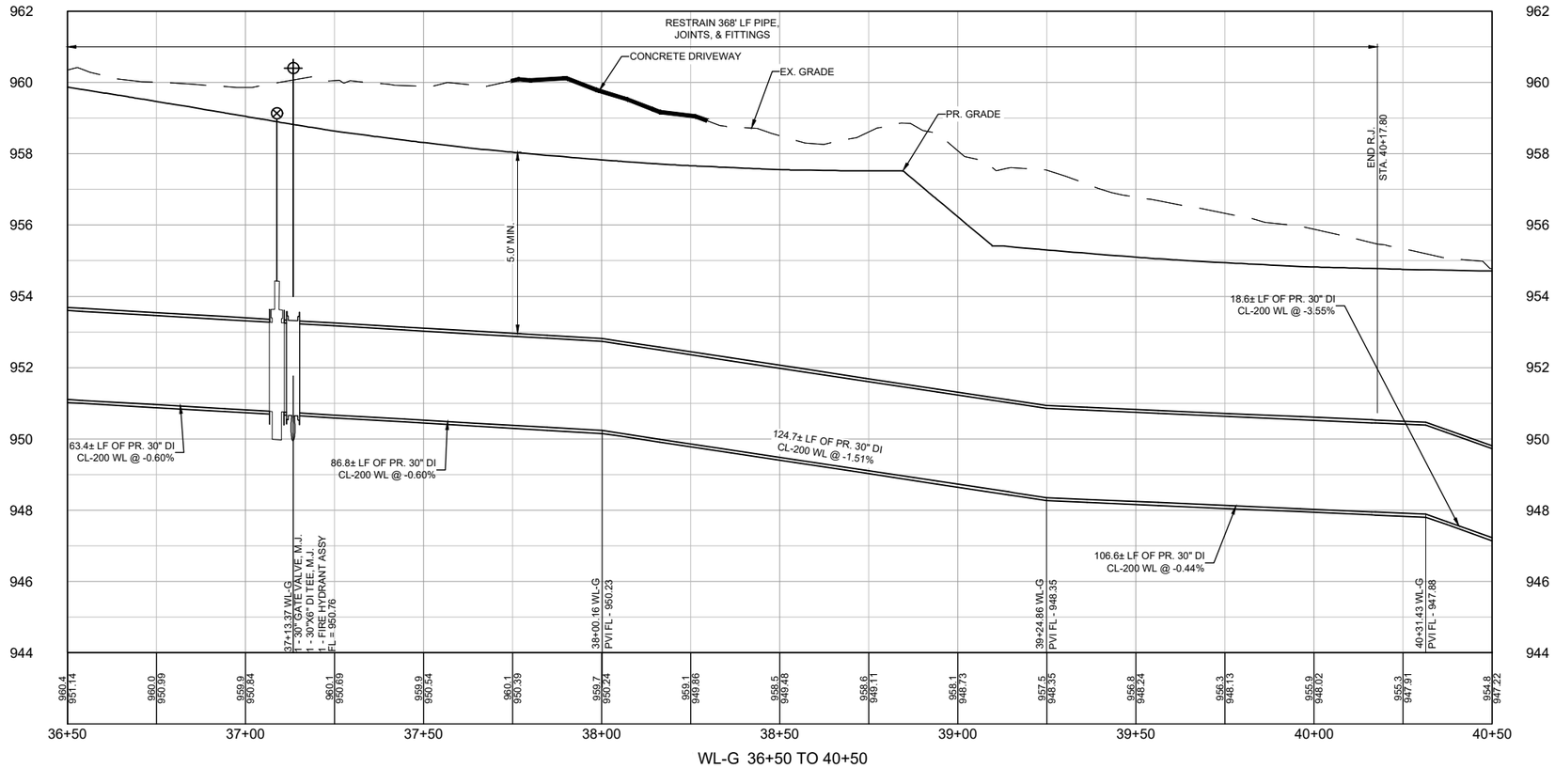
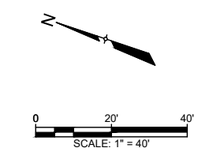




WL-G 36+50 TO 40+50



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6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046703
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 36+50 TO 40+50
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

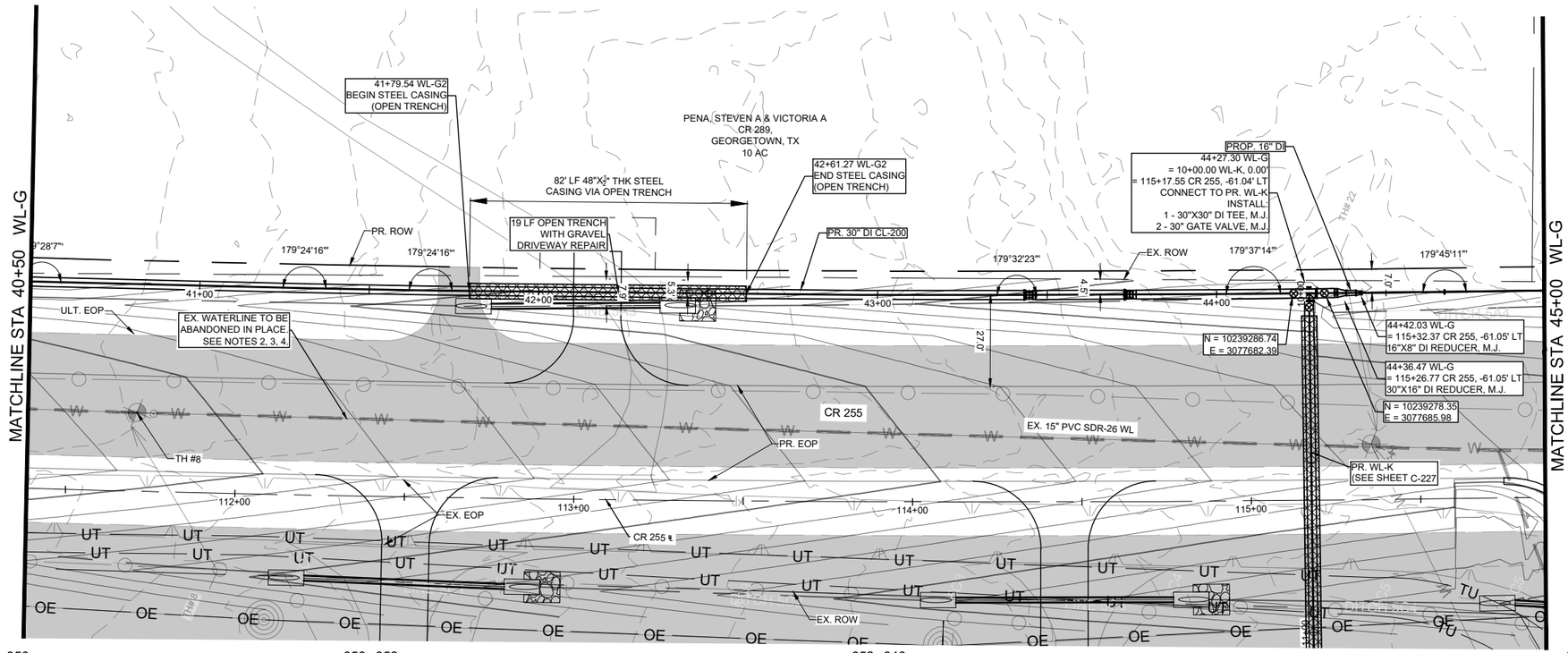
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: A. TERRAZAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

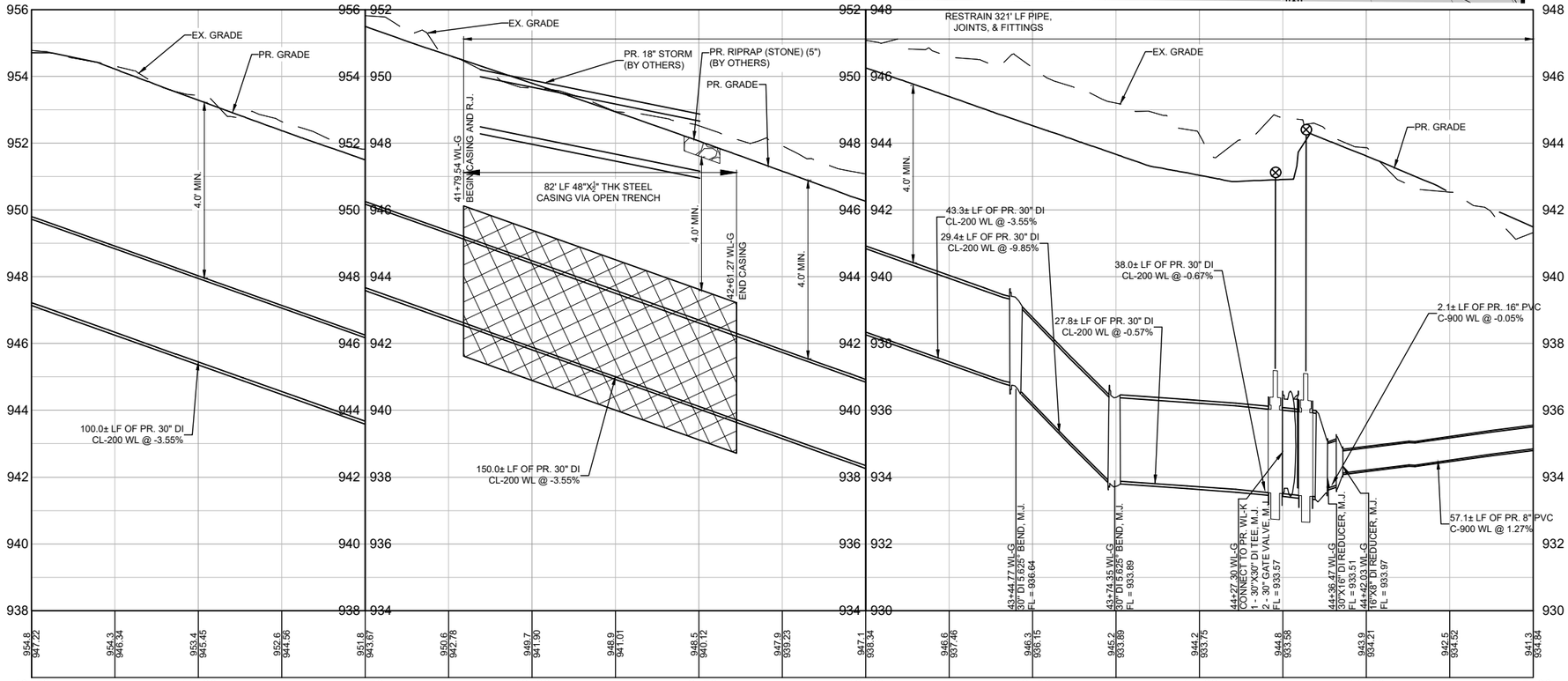
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

SHEET
C-216

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G2.dwg – Tab: WL-G2-02 – Plotted: 11/13/2024 4:15 PM By: DENO DRULIAS







LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUTDOWNS. SHUTDOWNS MUST OCCUR ONLY DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY.
3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046703
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 40+50 TO 45+00
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: A. TERRAZAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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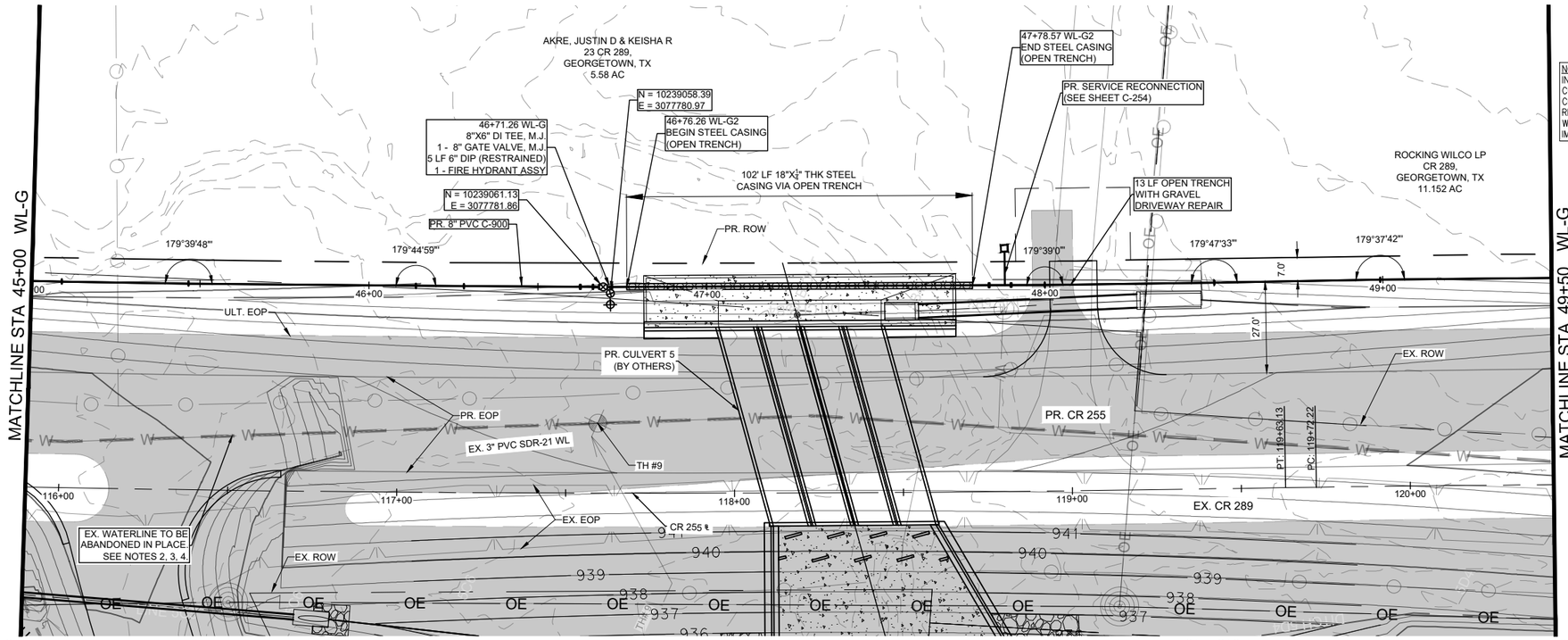
SHEET
C-217

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G2.dwg — Tab: WL-G2-03 — Plotted: 11/13/2024 4:15 PM By: DENO DRULIAS



WL-G 45+00 TO 49+50

NOTE: THE EXISTING ROAD IN THIS AREA IS CURRENTLY IDENTIFIED AS CR 289 BUT WILL BE REDESIGNATED AS CR 255 WITH THE ROADWAY IMPROVEMENTS PROJECT

N

0 20' 40'

SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W EX. WATER
- PR. WATER
- WW EX. WASTEWATER
- SD EX. STORM DRAIN
- PR. STORM DRAIN
- G EX. GAS LINE
- OE EX. OVERHEAD ELECTRIC
- OC EX. OVERHEAD CABLE
- OH EX. OVERHEAD UTILITIES
- OT EX. OVERHEAD TELECOM
- UT EX. U.G. TELECOM
- UE EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

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3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 45+00 TO 49+50
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: A. TERRAZAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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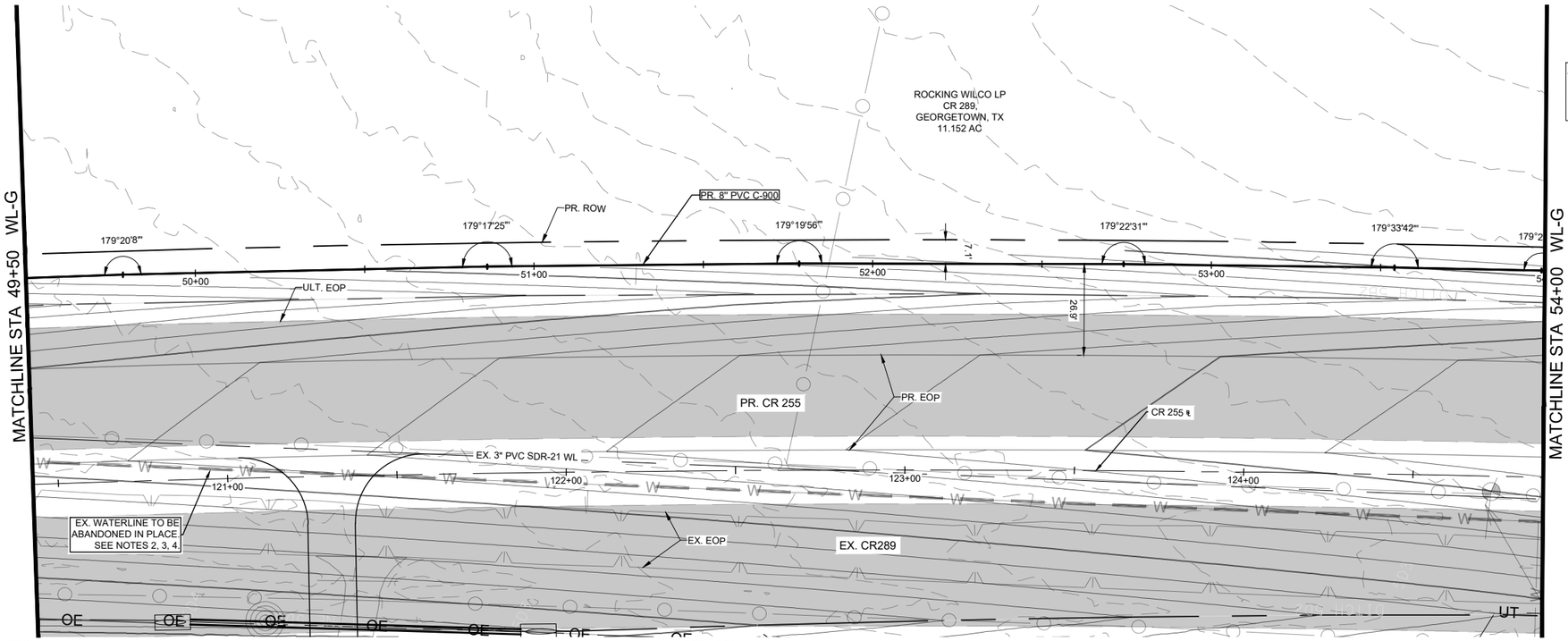
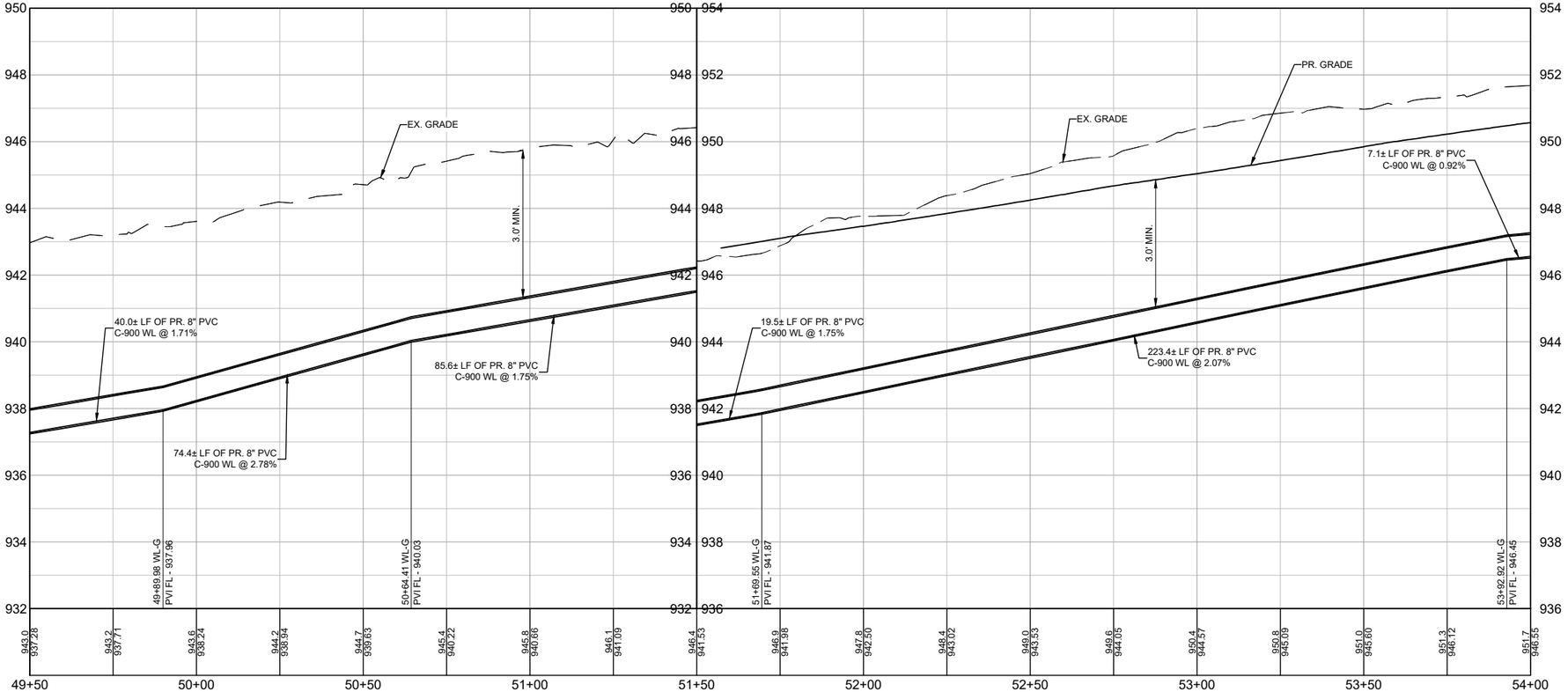
SHEET
C-218

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G2.dwg — Tab: WL-G2-04 — Plotted: 11/13/2024 4:16 PM By: DENO DRULIAS





WL-G 49+50 TO 54+00

NOTE: THE EXISTING ROAD IN THIS AREA IS CURRENTLY IDENTIFIED AS CR 289 BUT WILL BE REDESIGNATED AS CR 255 WITH THE ROADWAY IMPROVEMENTS PROJECT

N

0 20' 40'

SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W EX. WATER
- PR. WATER
- WW EX. WASTEWATER
- SD EX. STORM DRAIN
- PR. STORM DRAIN
- G EX. GAS LINE
- OE EX. OVERHEAD ELECTRIC
- OC EX. OVERHEAD CABLE
- OH EX. OVERHEAD UTILITIES
- OT EX. OVERHEAD TELECOM
- UT EX. U.G. TELECOM
- UE EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10061500
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
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WATERLINE "G" - STA. 49+50 TO 54+00
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: A. TERRAZAS
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APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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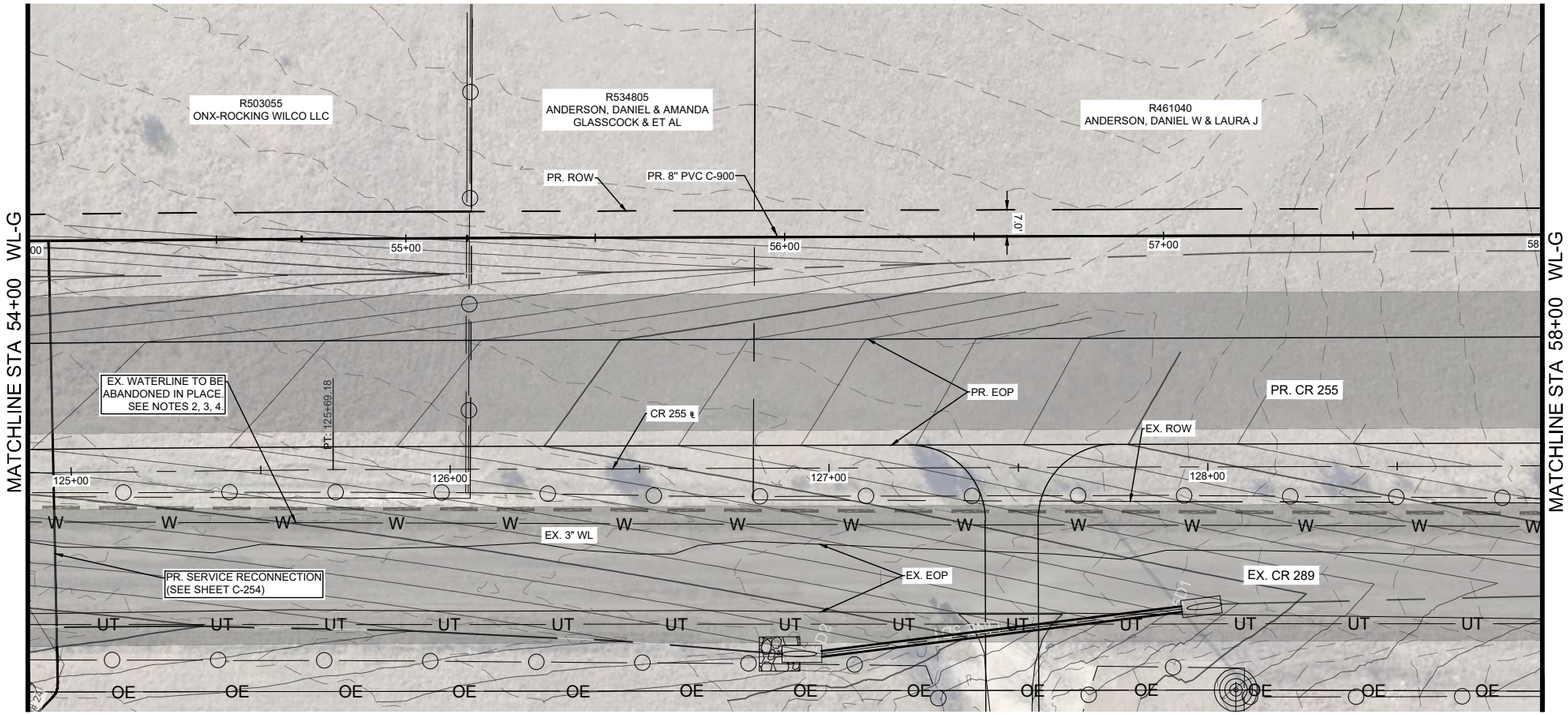
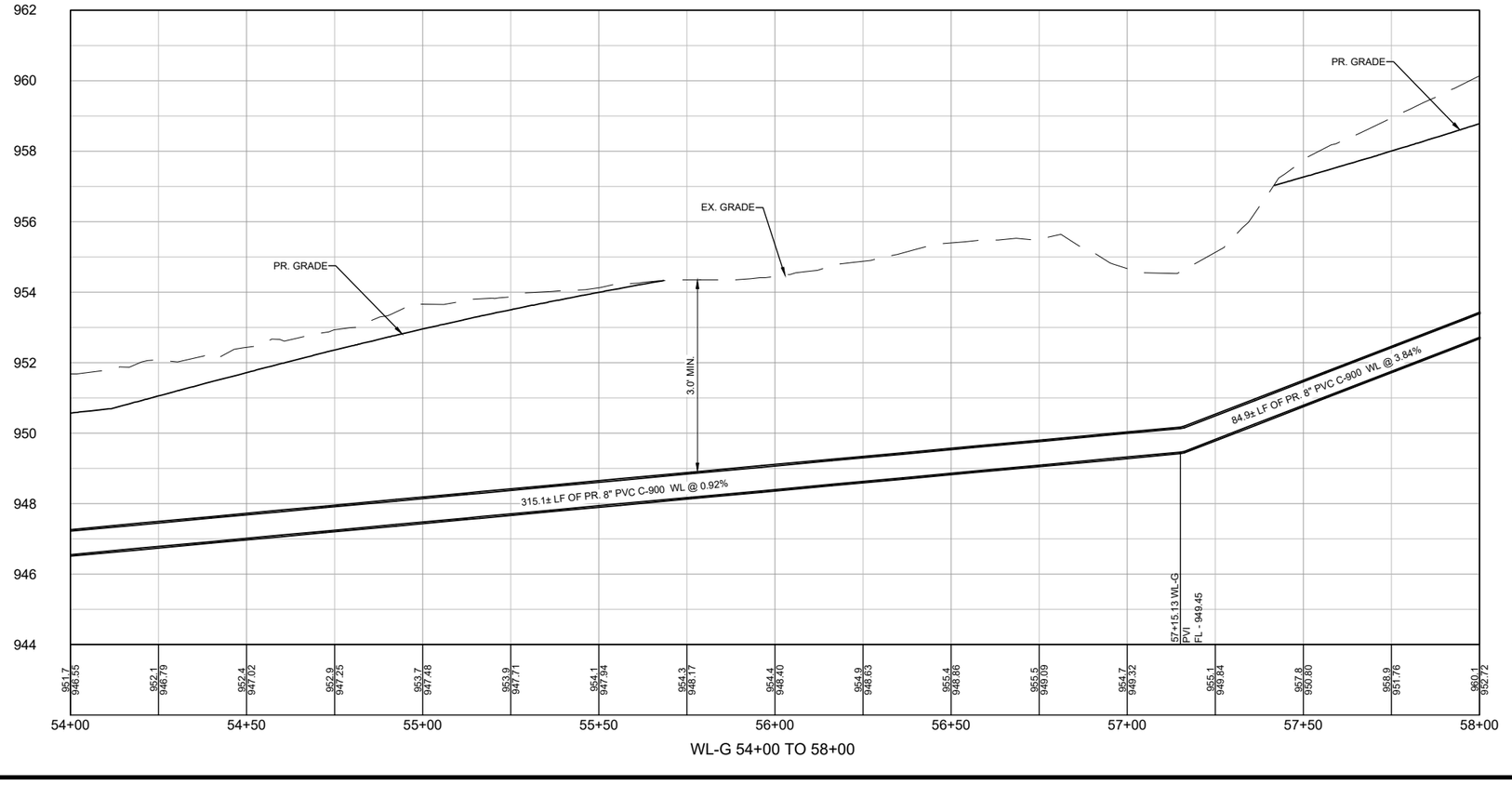
SHEET
C-219

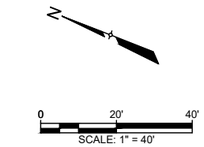
Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G2.dwg – Tab: WL-G2-05 – Plotted: 11/15/2024 9:47 AM By: RACHAEL NEWTON

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg – Tab: WL-G3 (1) – Plotted: 11/13/2024 4:17 PM By: DENO DRULIAS



NOTE: THE EXISTING ROAD IN THIS AREA IS CURRENTLY IDENTIFIED AS CR 289 BUT WILL BE REDESIGNATED AS CR 255 WITH THE ROADWAY IMPROVEMENTS PROJECT





LEGEND

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WATERLINE "G" - STA. 54+00 TO 58+00
PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

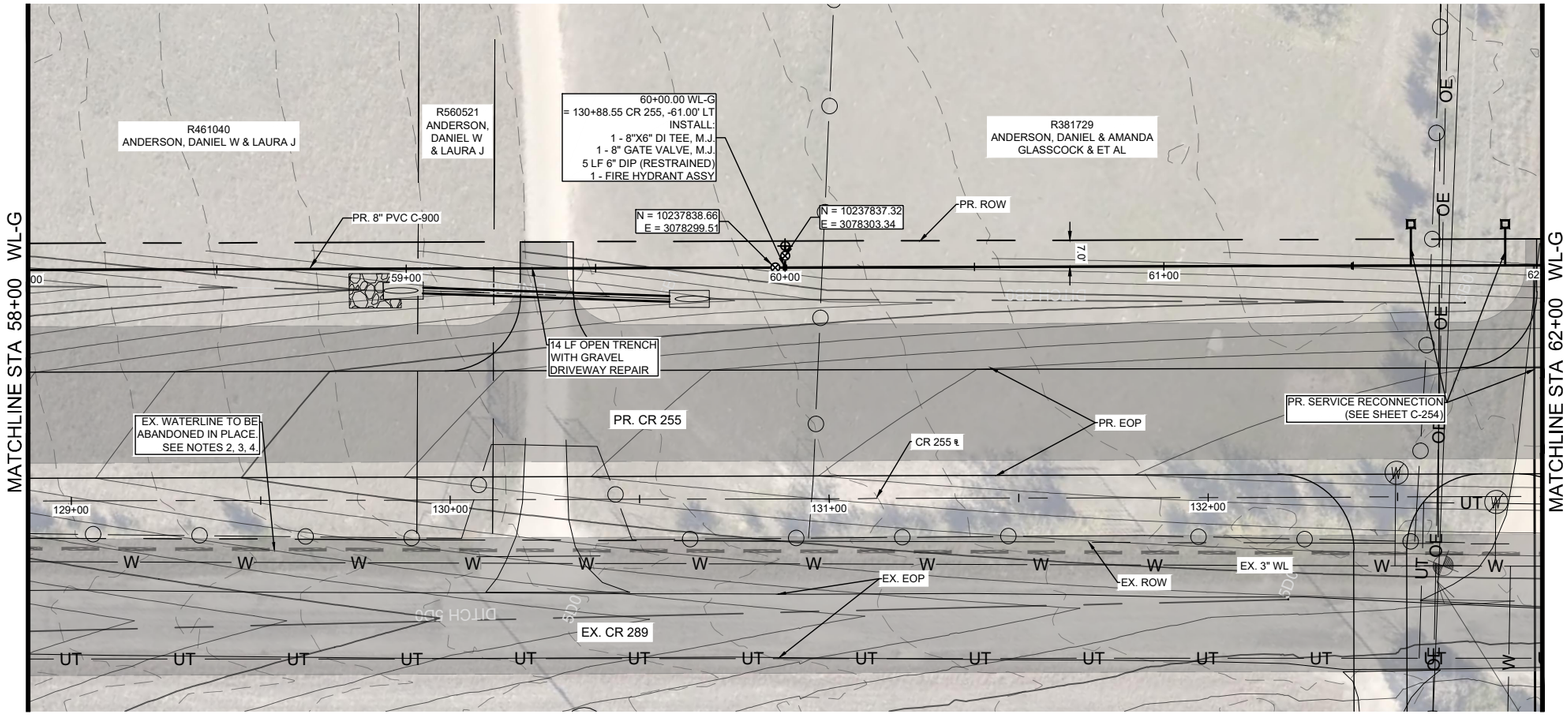
WILCO TEXAS

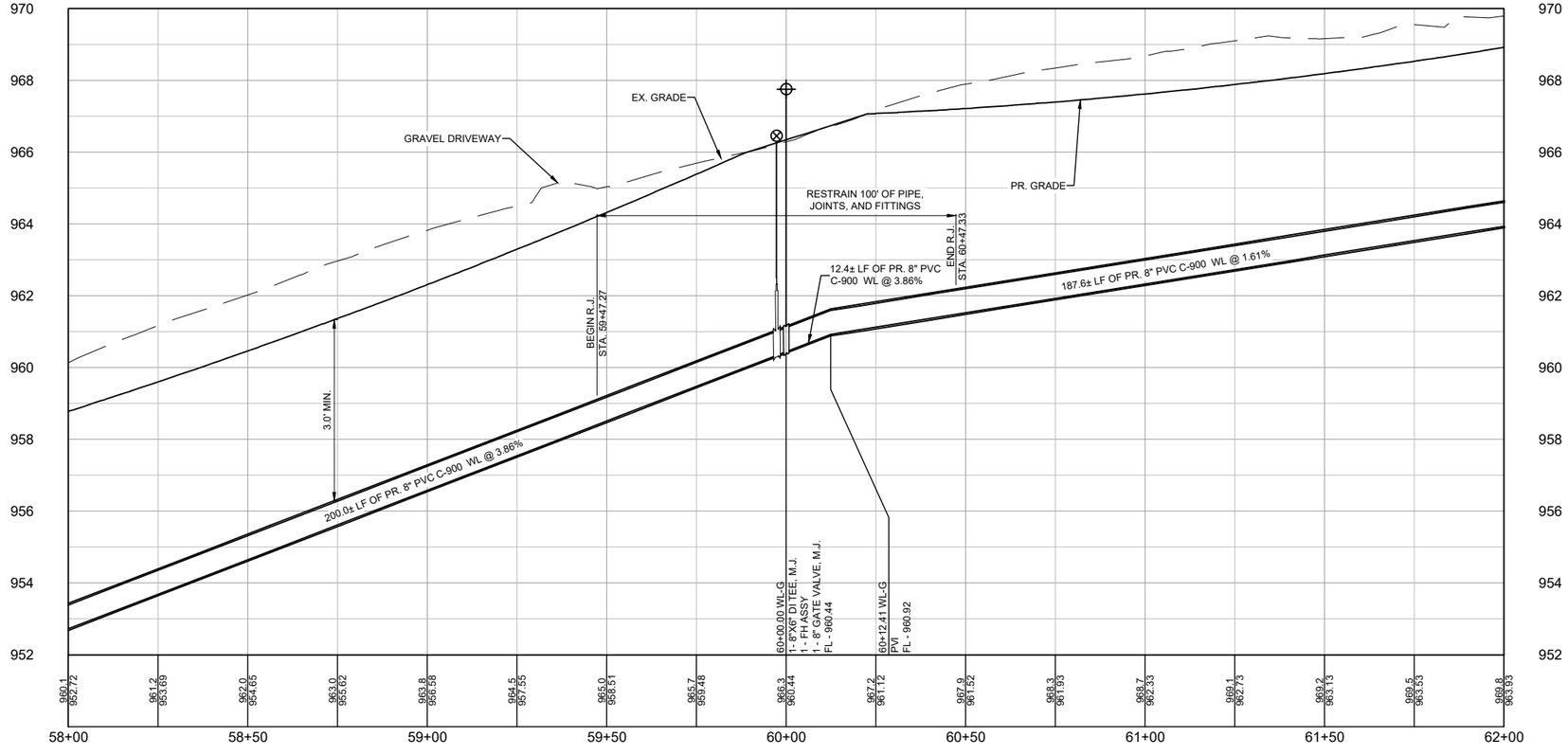
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-220





WL-G 58+00 TO 62+00

NOTE: THE EXISTING ROAD IN THIS AREA IS CURRENTLY IDENTIFIED AS CR 289 BUT WILL BE REDESIGNATED AS CR 255 WITH THE ROADWAY IMPROVEMENTS PROJECT

N

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. CONTRACTOR TO GIVE CITY OF GEORGETOWN A MINIMUM OF TWO WEEKS NOTICE FOR ALL WATERLINE SHUTDOWNS. SHUTDOWNS MUST OCCUR ONLY DURING THE MONTHS OF DECEMBER, JANUARY, AND FEBRUARY.
3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 58+00 TO 62+00
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
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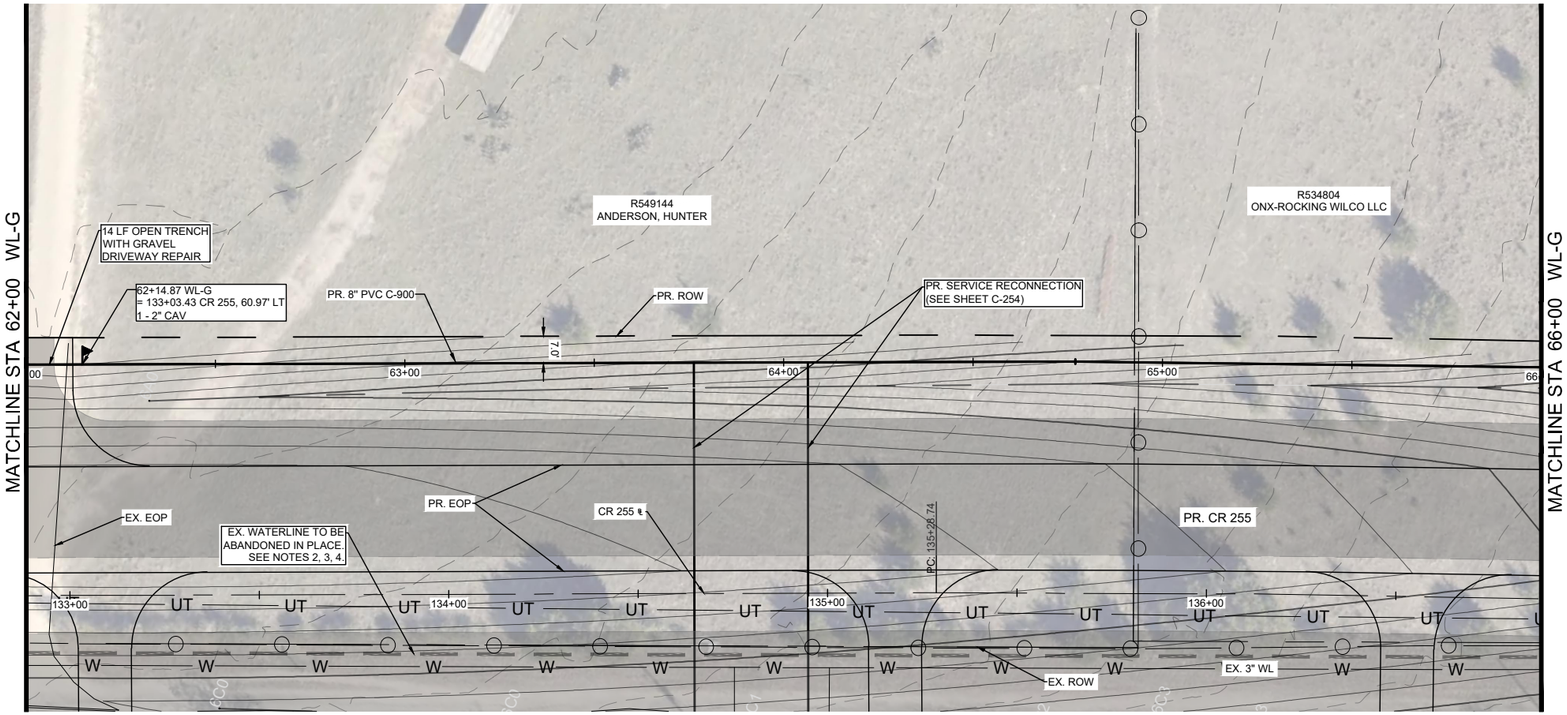
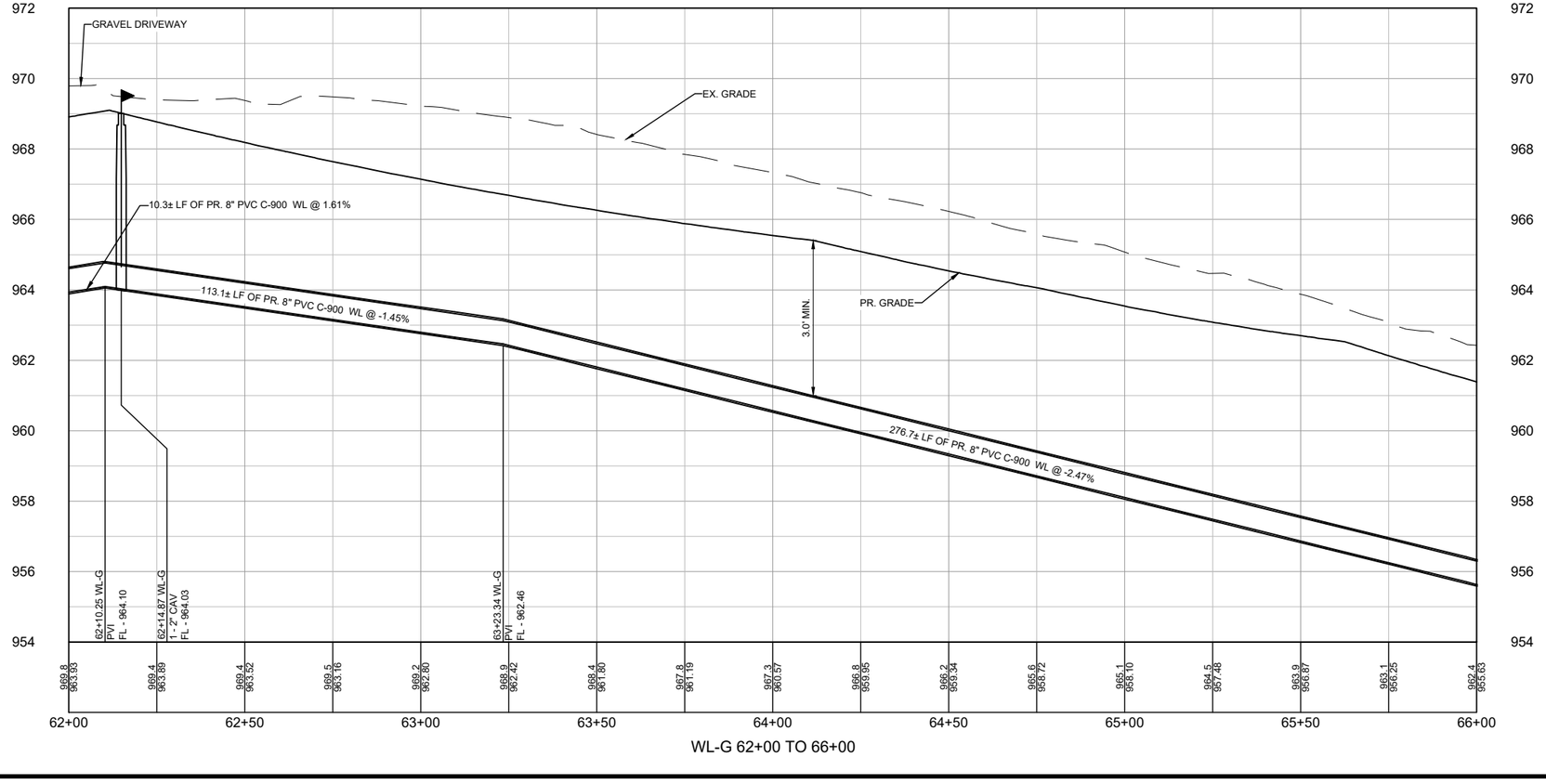
SHEET
C-221

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg – Tab: WL-G3 (2) – Plotted: 11/13/2024 4:17 PM By: DENO DRULIAS

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg – Tab: WL-G3 (3) – Plotted: 11/13/2024 4:17 PM By: DENO DRULIAS





WL-G 62+00 TO 66+00

NOTE: THE EXISTING ROAD IN THIS AREA IS CURRENTLY IDENTIFIED AS CR 289 BUT WILL BE REDESIGNATED AS CR 255 WITH THE ROADWAY IMPROVEMENTS PROJECT

0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
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- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 51 2.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "G" - STA. 62+00 TO 66+00
CR 255 WL RELOCATIONS
PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
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136882
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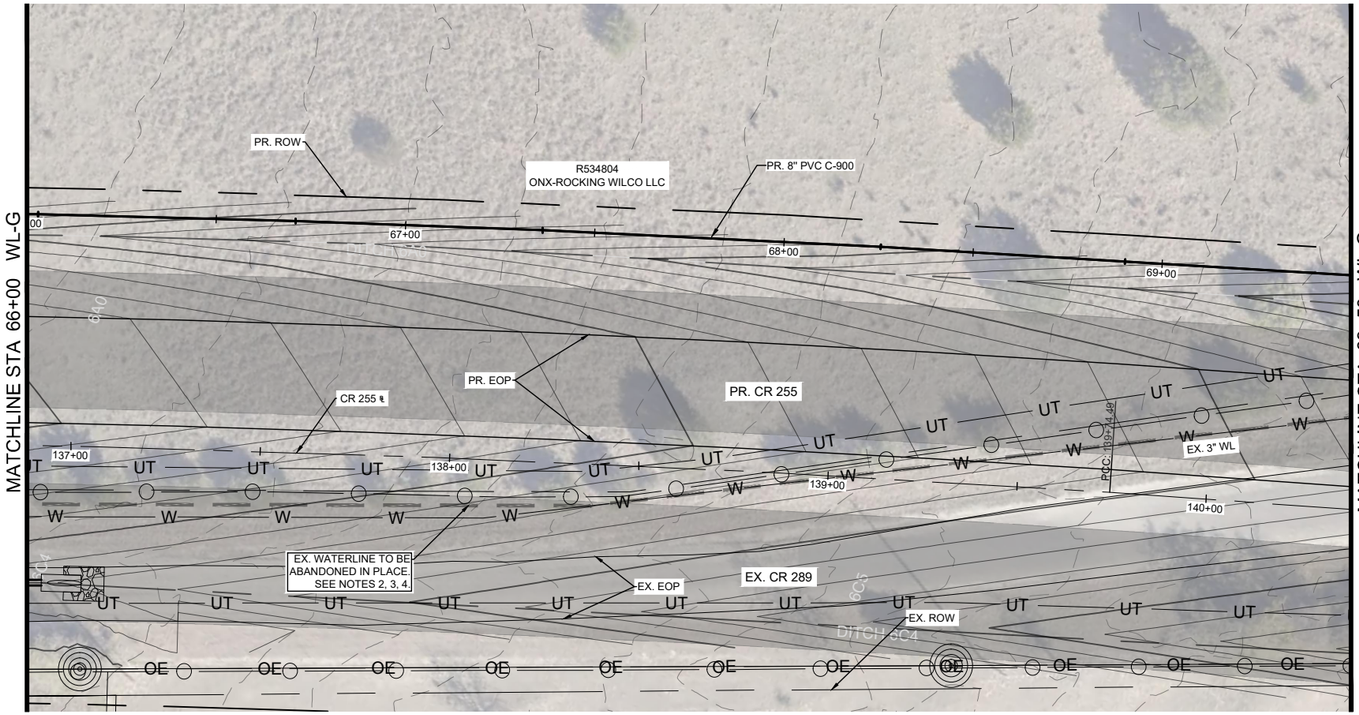
SHEET
C-222



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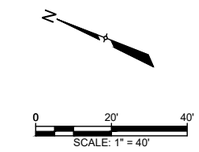

LEGEND

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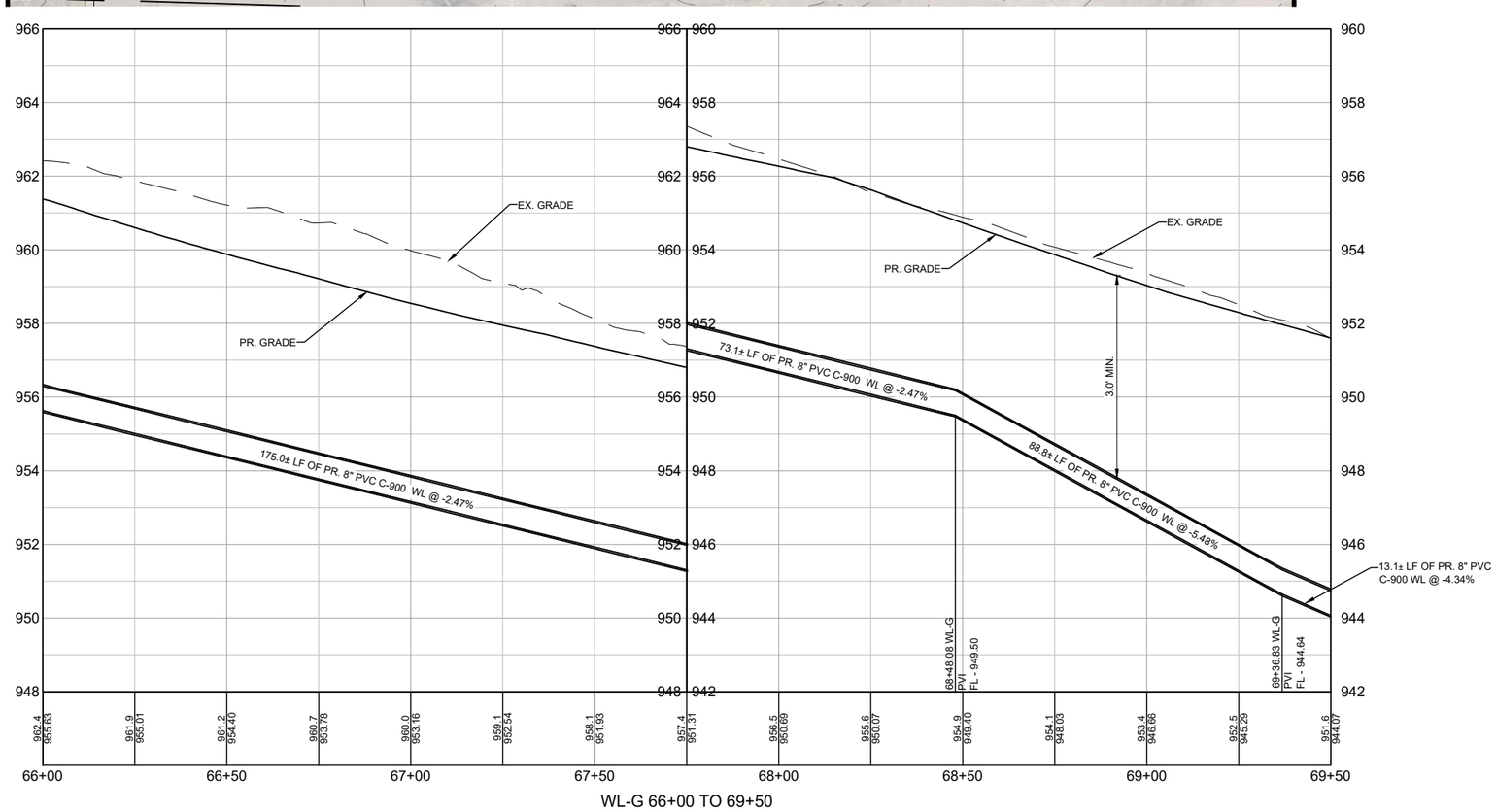

WL-G 66+00 TO 69+50

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

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CobbFendley
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AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
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WATERLINE "G" - STA. 66+00 TO 69+50
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

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11/15/2024

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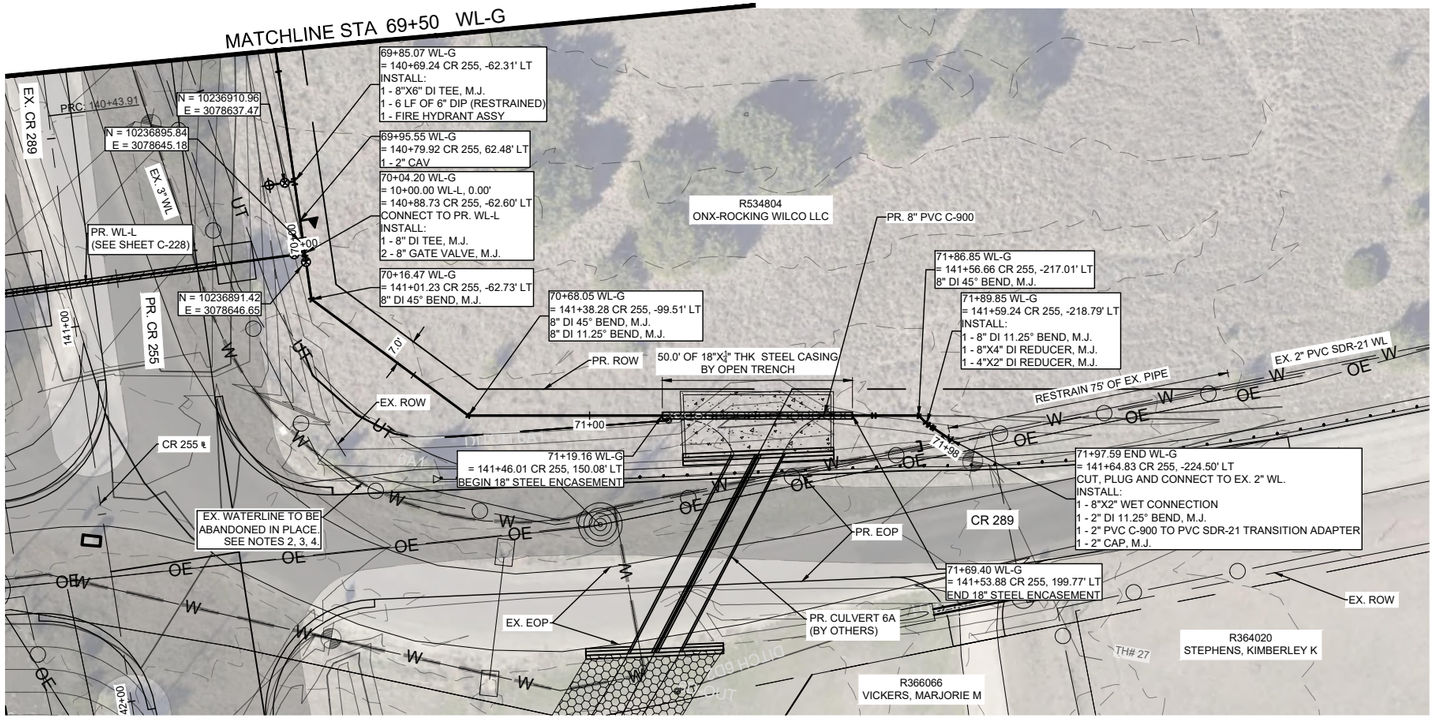
SHEET
C-223

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg – Tab: WL-G3 (4) – Plotted: 11/13/2024 4:17 PM By: DENO DRULIAS



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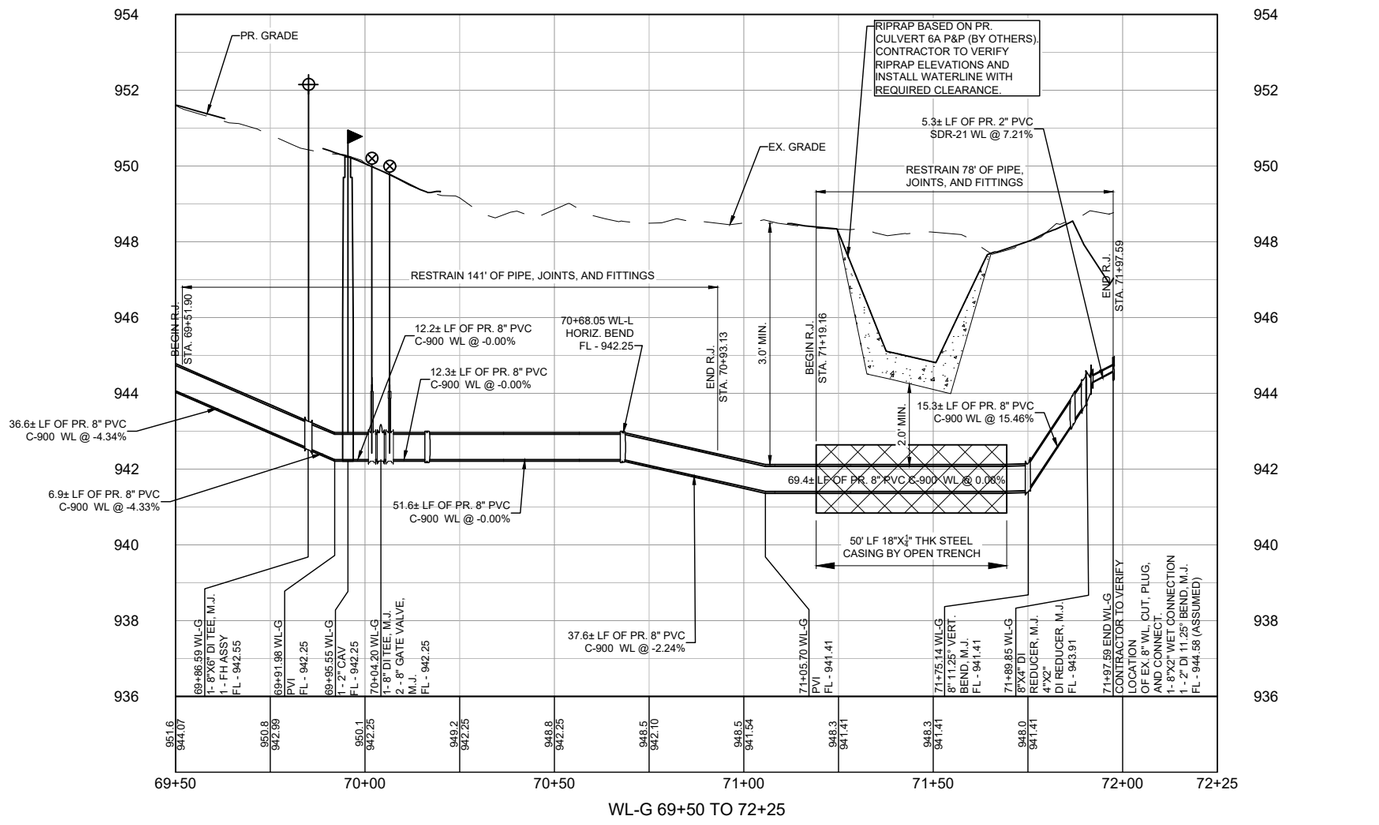
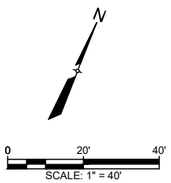


WL-G 69+50 TO 72+25



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WATERLINE "G" - STA. 69+50 TO END
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PLAN AND PROFILE
GEORGETOWN, TEXAS

WILCO TEXAS

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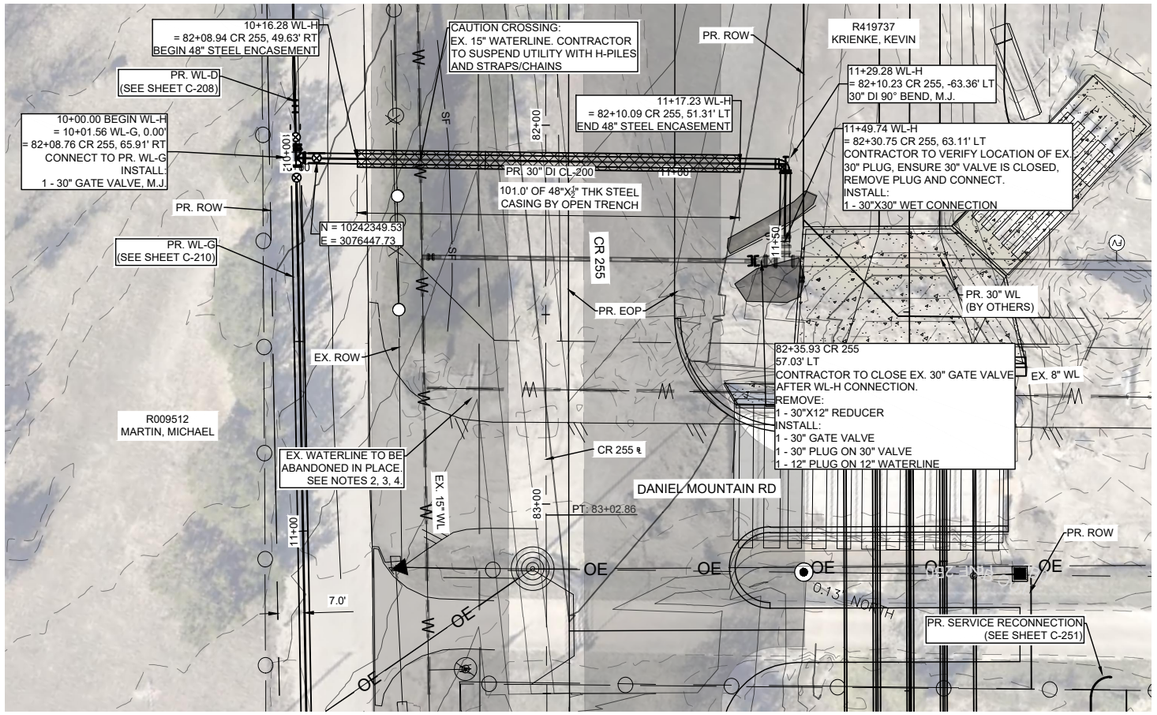
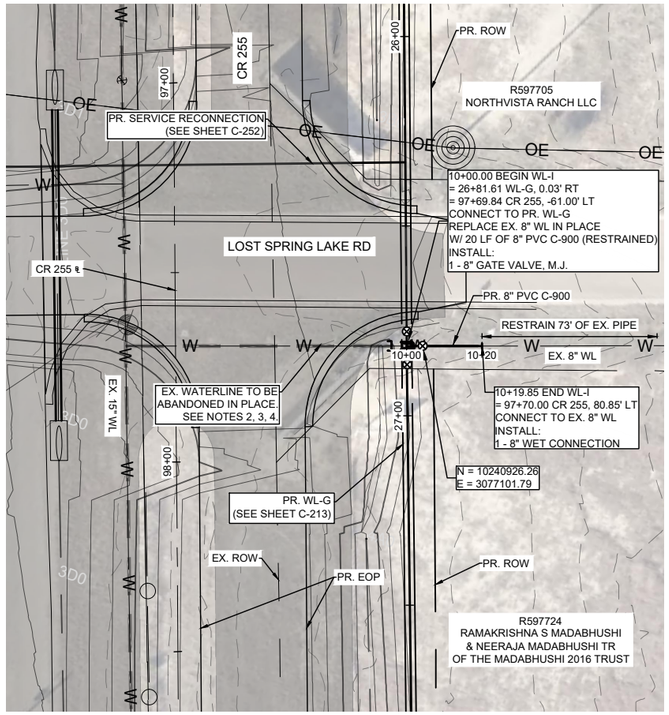
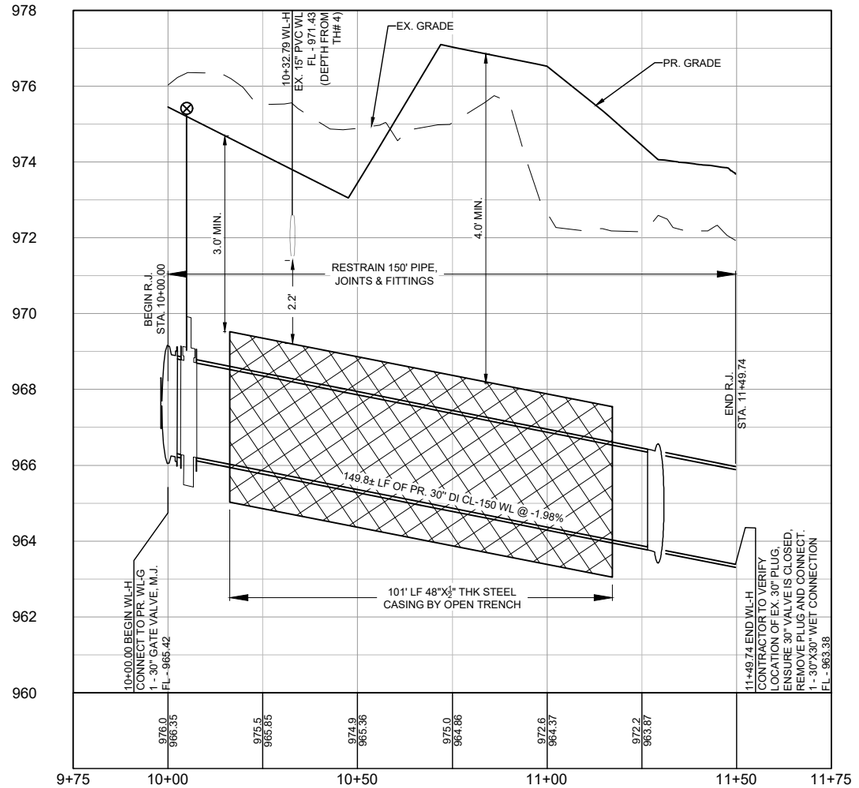
SHEET
C-224

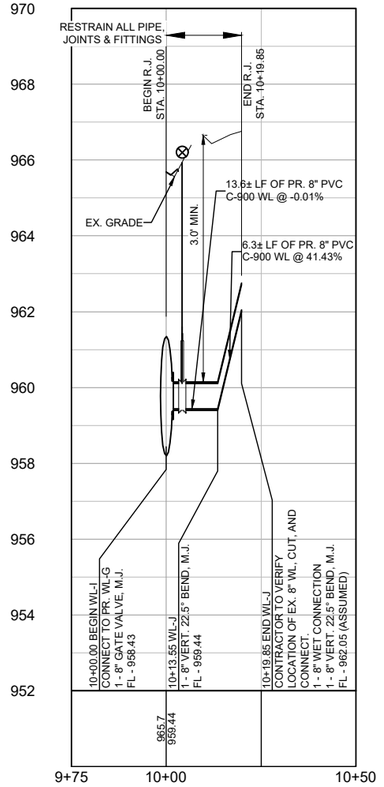
Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg — Tab: WL-G3 (5) — Plotted: 11/13/2024 4:17 PM By: DENO DRULIAS



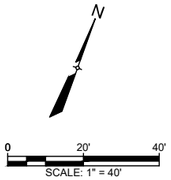




WL-H 9+75 TO 11+75



WL-I 9+75 TO 10+50



LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
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- PR. FIRE HYDRANT
- EX. WATER METER
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3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
5. EXISTING WATER MAINS THAT ARE TO BE ABANDONED IN PLACE AND ARE UNDER THE PROPOSED ROADWAY ARE TO BE CUT, CAPPED, AND FILLED WITH FLOWABLE FILL. SUBSIDIARY TO COST OF PIPE, NO SEPARATE PAY. EXISTING WATER LINES THAT ARE TO BE ABANDONED IN PLACE AND ARE NOT UNDER THE PROPOSED ROADWAY WILL BE CAPPED.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10061701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "H" & "I" - STA. 10+00 TO END PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

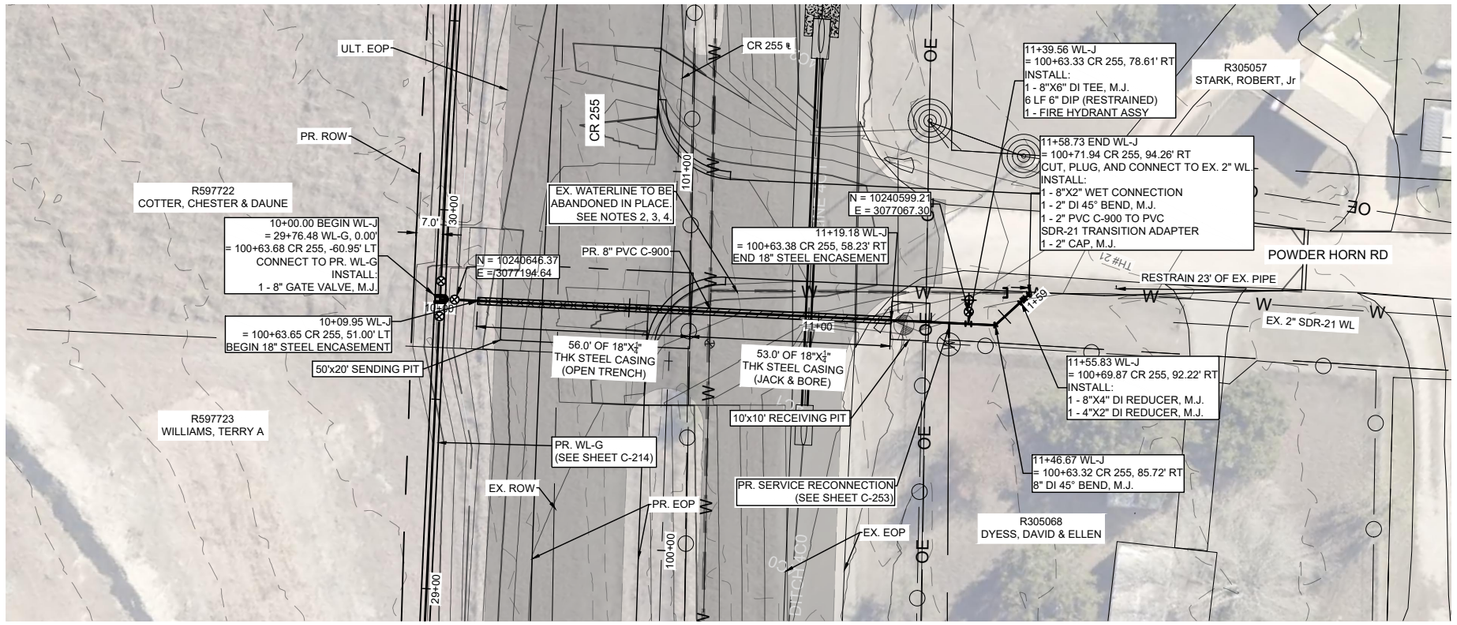
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

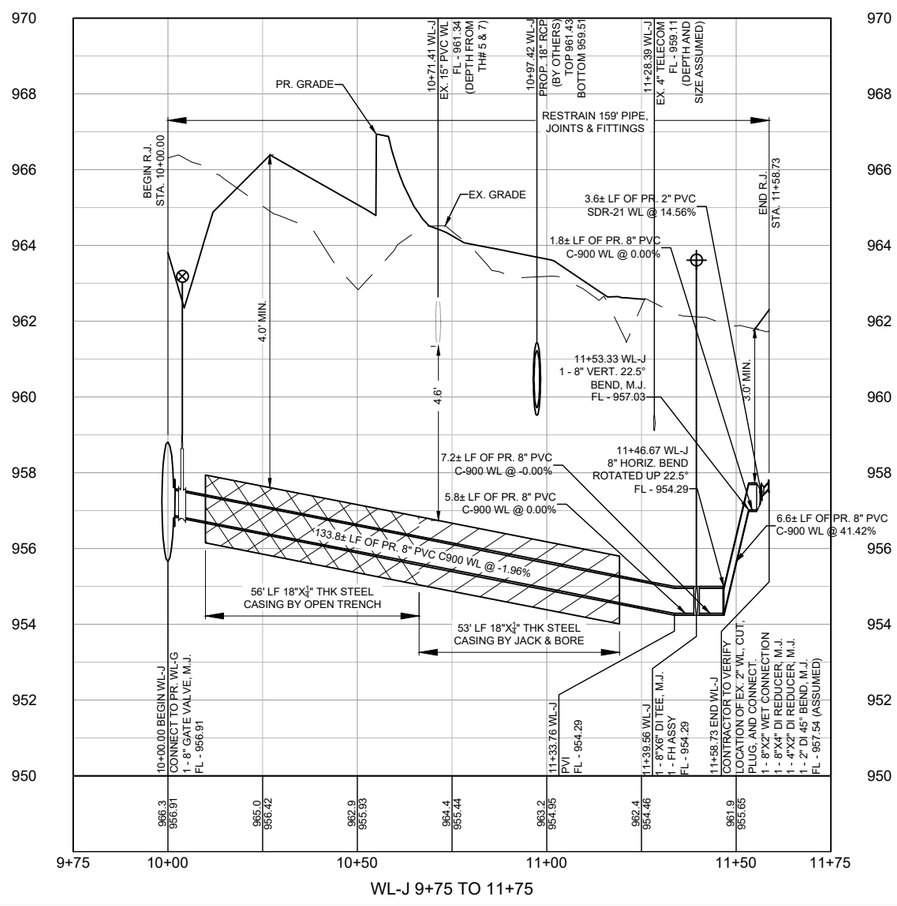
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

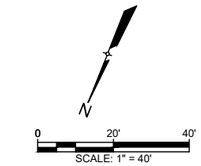
SHEET
C-225

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-H-I-J-K.dwg - Tab: WL-H-I - Plotted: 11/13/2024 4:18 PM By: DENO DRULIAS





WL-J 9+75 TO 11+75



LEGEND

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- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
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- EX. WATER VALVE
- PR. WATER VALVE
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- PR. FIRE HYDRANT
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "J" - STA. 10+00 TO END PLAN AND PROFILE

CR 255 WL RELOCATIONS GEORGETOWN, TEXAS

WILCO TEXAS

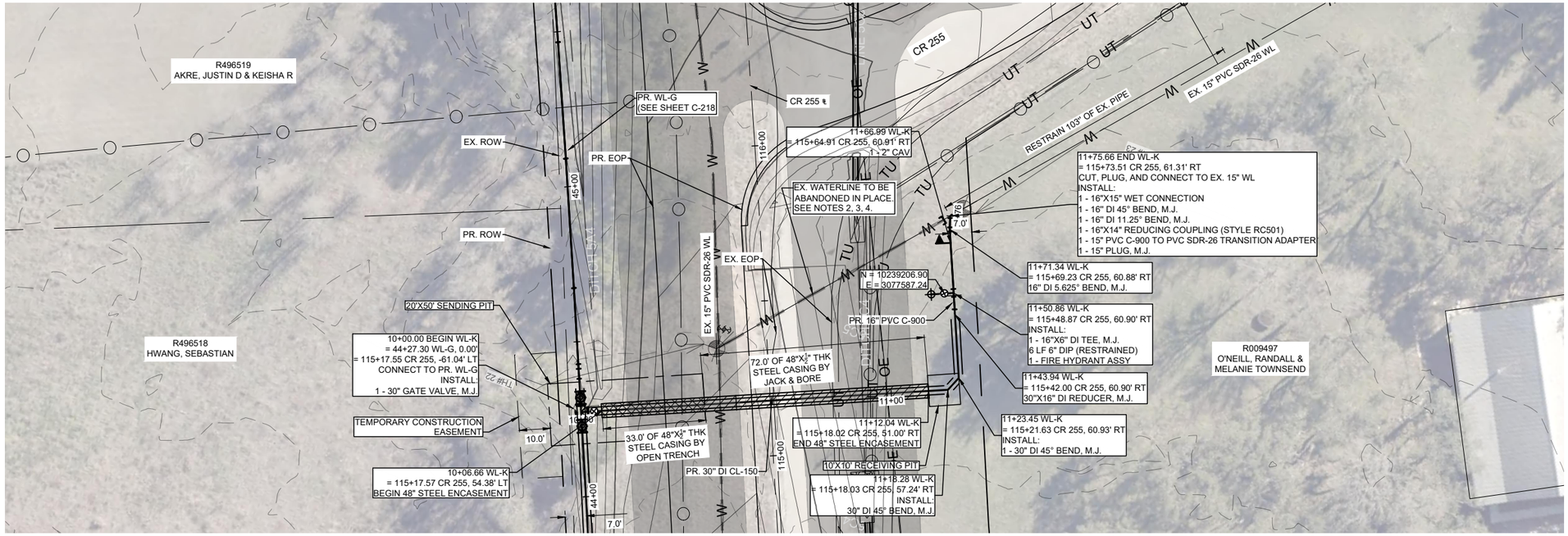
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

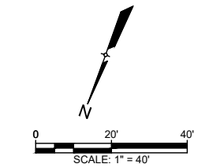
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-226

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-H-I-J-K.dwg – Tab: WL-J – Plotted: 11/13/2024 4:18 PM By: DENO DRULIAS





LEGEND

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- TEMP. CONST. ESMT.
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XXX.X GRADE
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PROFILE SCALE
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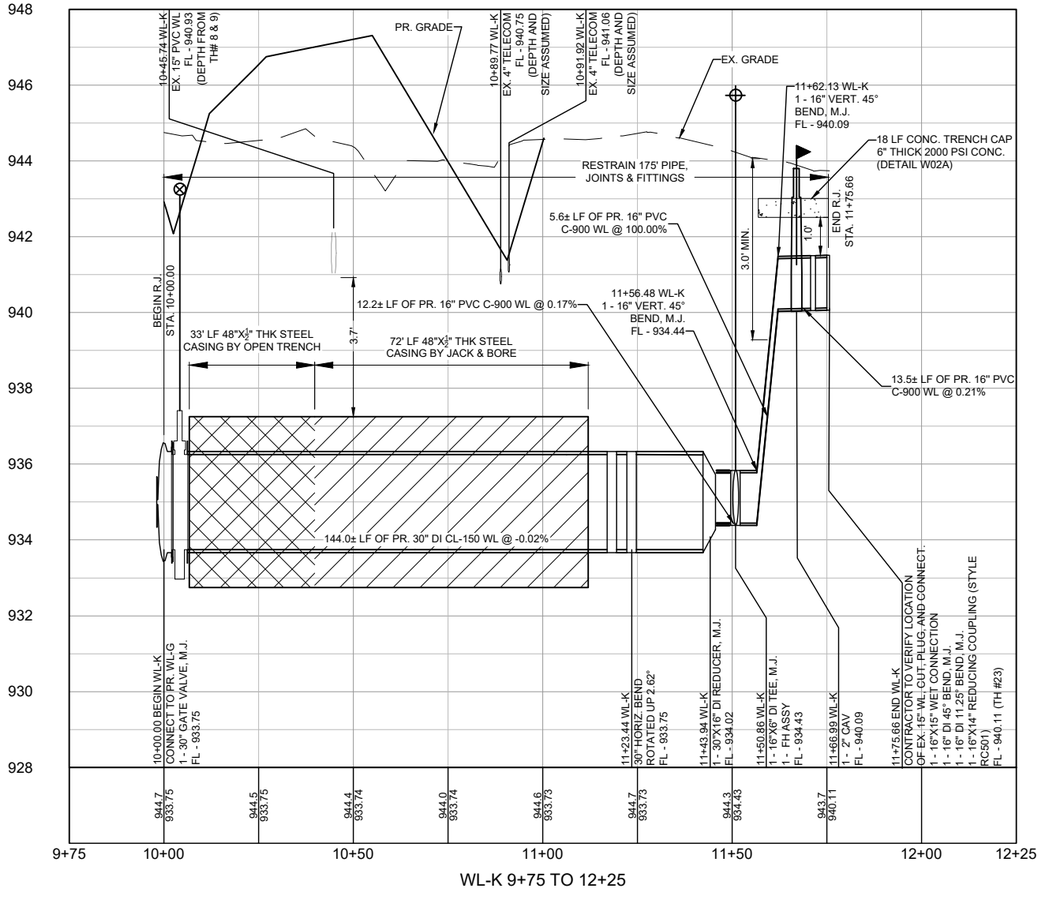


WL-K 9+75 TO 12+25

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "K" - STA. 10+00 TO END PLAN AND PROFILE

CR 255 WL RELOCATIONS GEORGETOWN, TEXAS

WILCO TEXAS

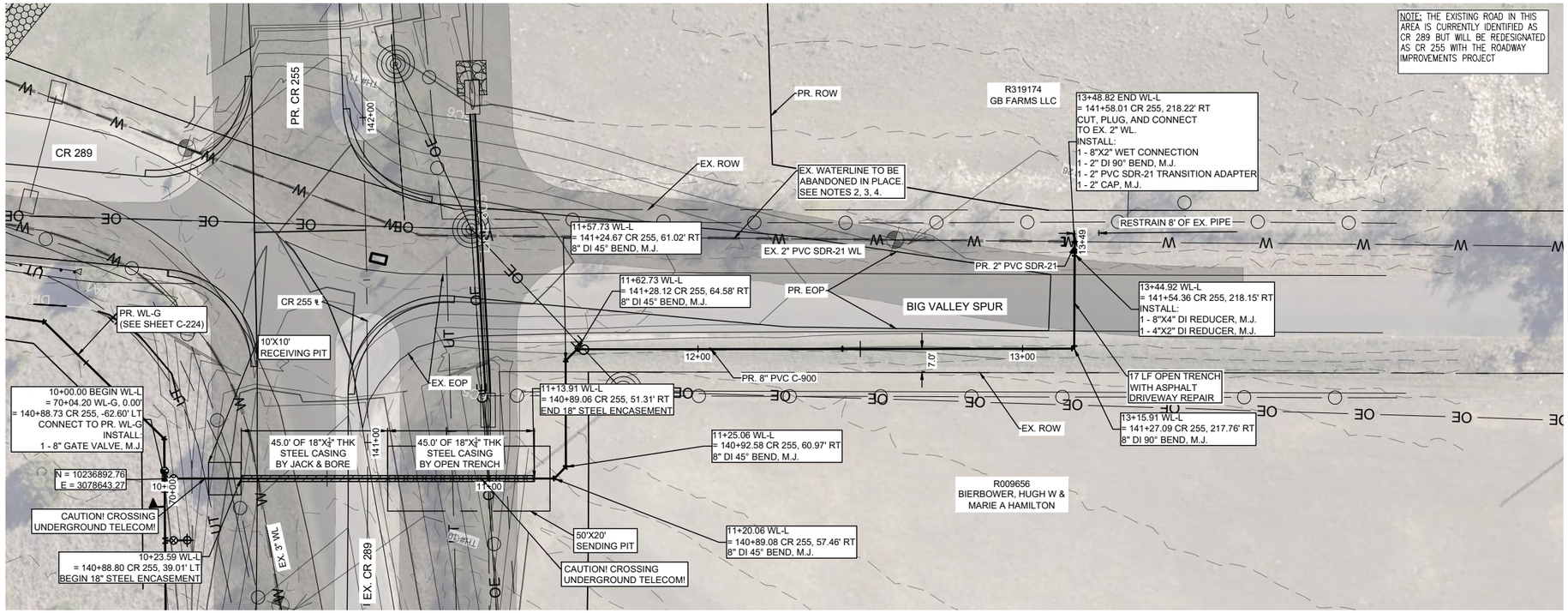
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

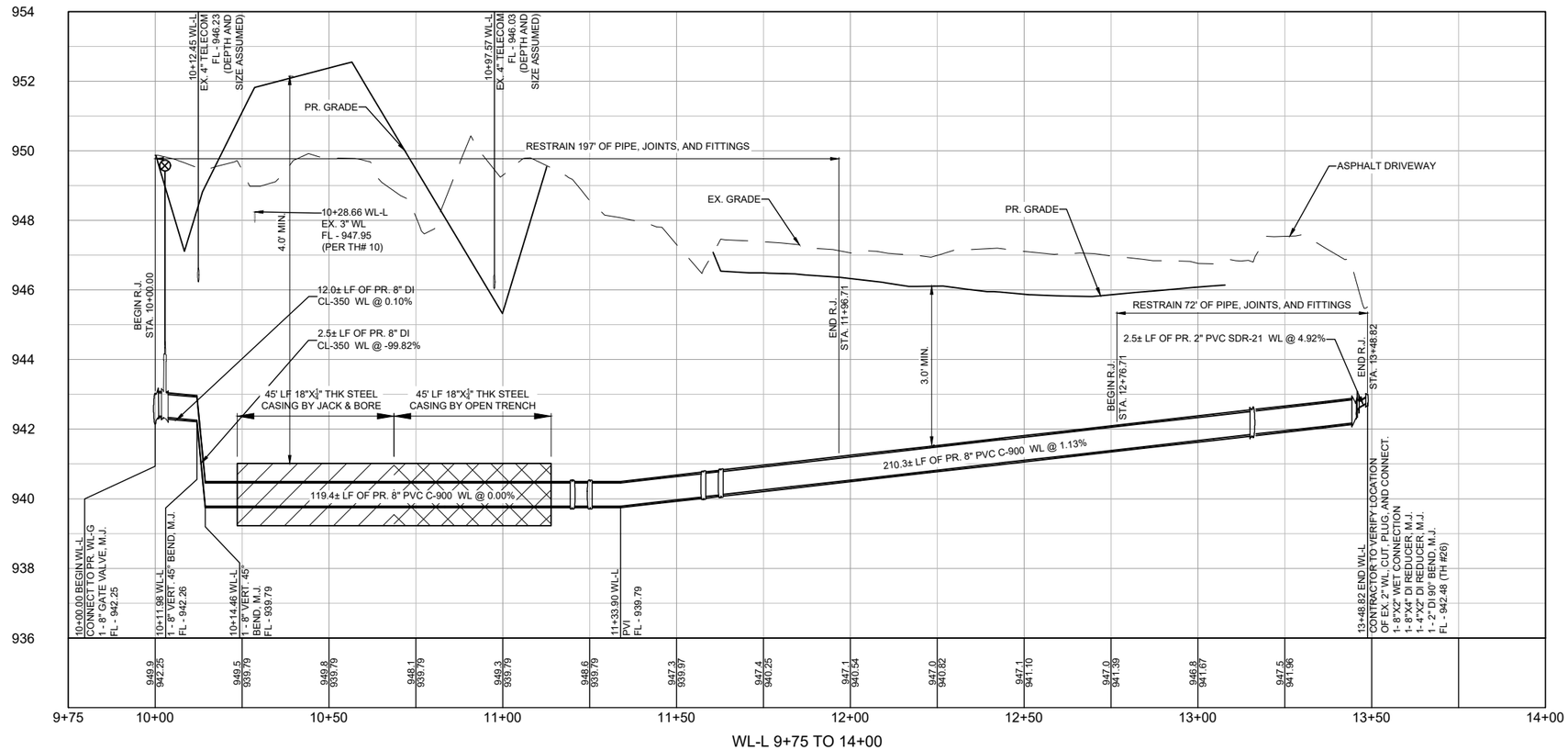
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

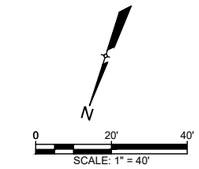
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

SHEET
C-227

Dwg Info: G:\CFA\2014\0308801__Williamson_County_-_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-H-I-J-K.dwg - Tab: WL-K - Plotted: 11/13/2024 4:18 PM By: DENO DRULIAS







LEGEND

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9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "L" - STA. 10+00 TO END
PLAN AND PROFILE
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136682
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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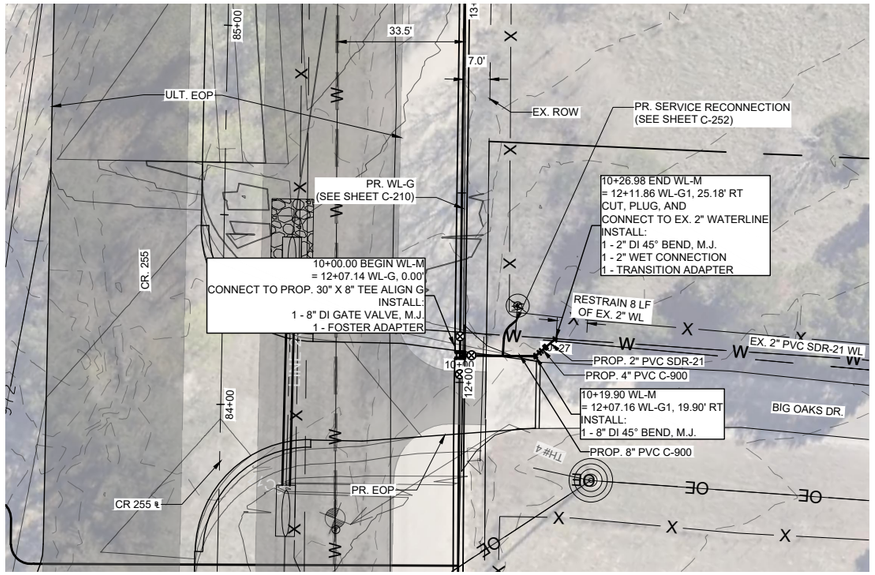
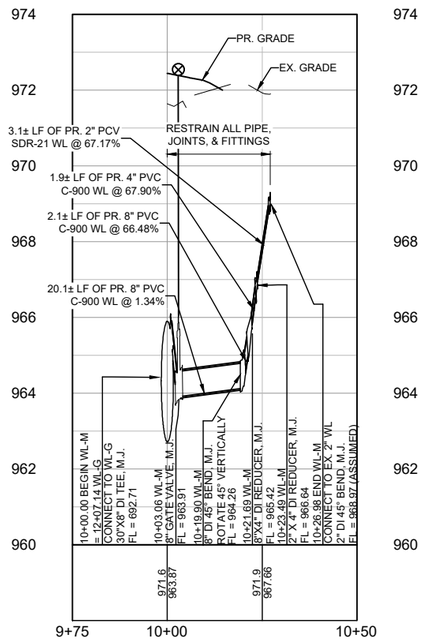
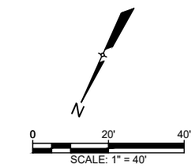
SHEET
C-228

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G3-L.dwg — Tab: WL-L — Plotted: 11/13/2024 4:19 PM By: DENO DRULIAS





WL-M 9+75 TO 10+50



LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

GENERAL NOTES:

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4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
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7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
8. WATERLINES TO BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. MINIMUM DEPTH OF COVER SHOWN IS TO FINISHED GRADE. CONTRACTOR SHALL INSTALL VALVES AND HYDRANTS AS SHOWN. ADJUSTMENTS TO FINISHED GRADE MAY BE NECESSARY DURING ROADWAY CONSTRUCTION.
9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "M" - STA. 10+00 TO END
PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

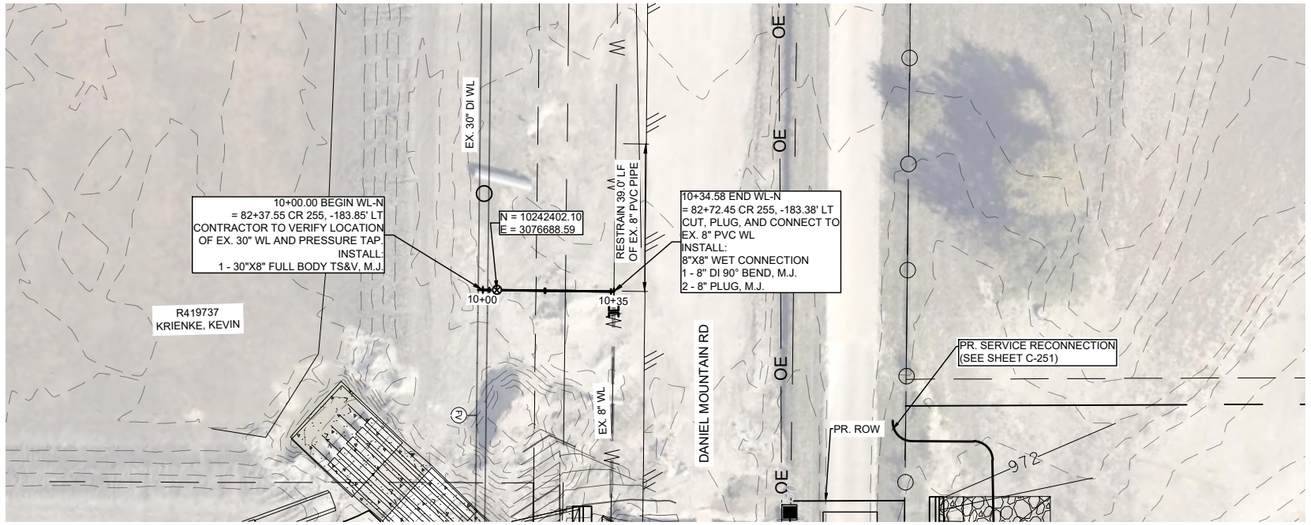
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: O. SAENZ
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

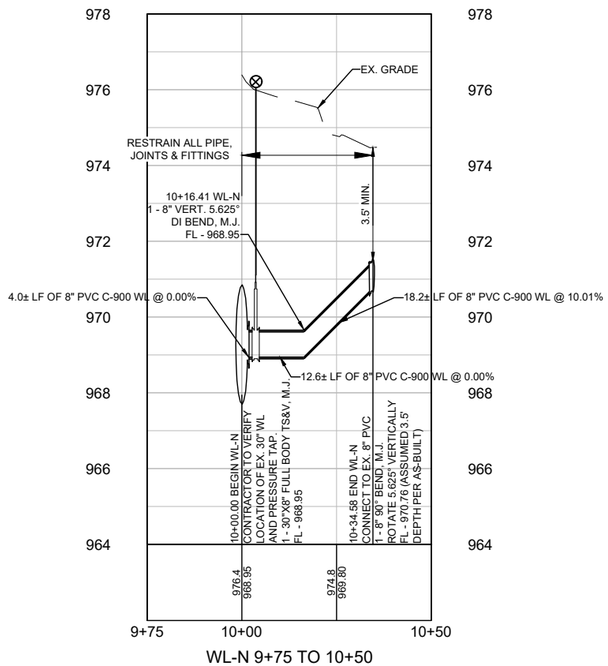
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-229

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-G1.dwg - Tab: WL-M - Plotted: 11/13/2024 4:20 PM By: DENO DRULIAS





WL-N 9+75 TO 10+50

N

0 20' 40'

SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATERLINE "N" - STA 10+00 TO END
PLAN AND PROFILE

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

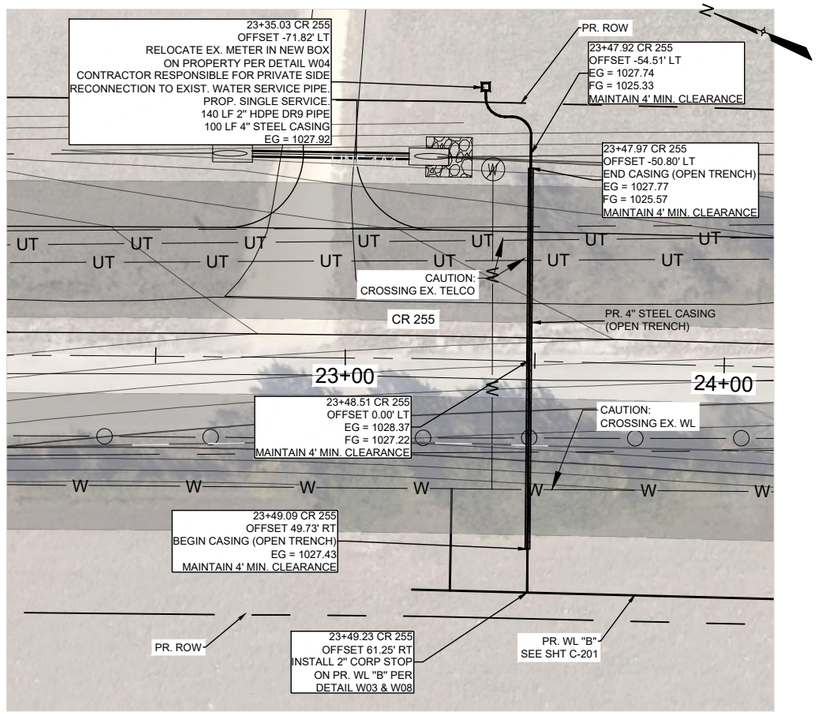
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

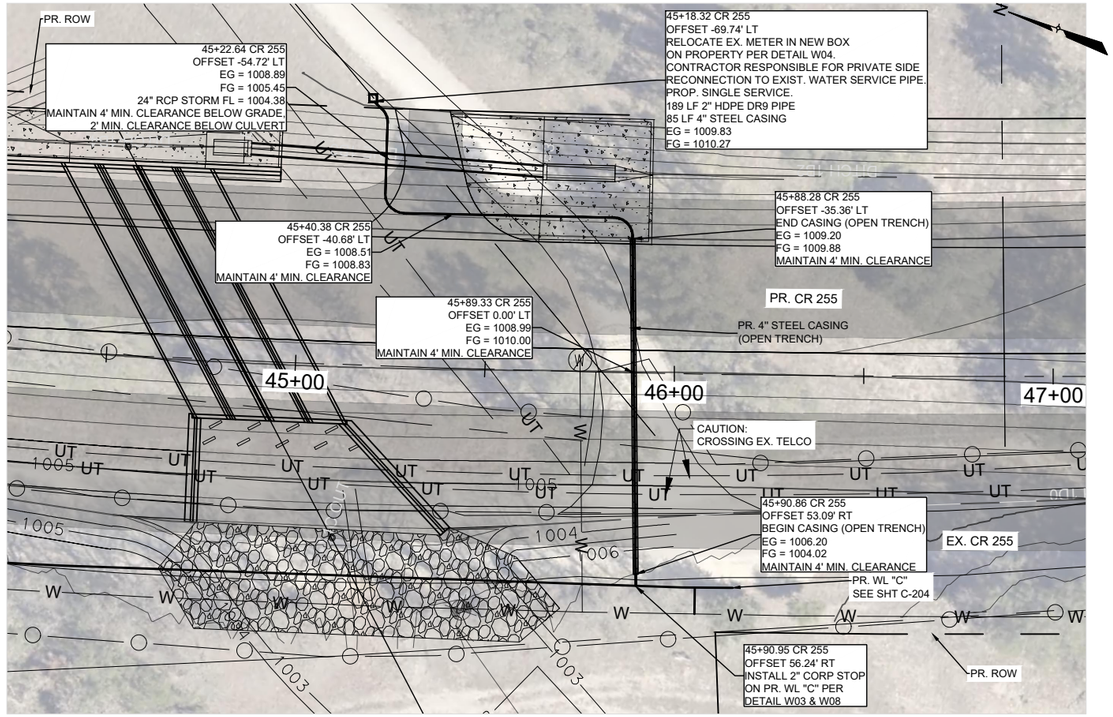
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

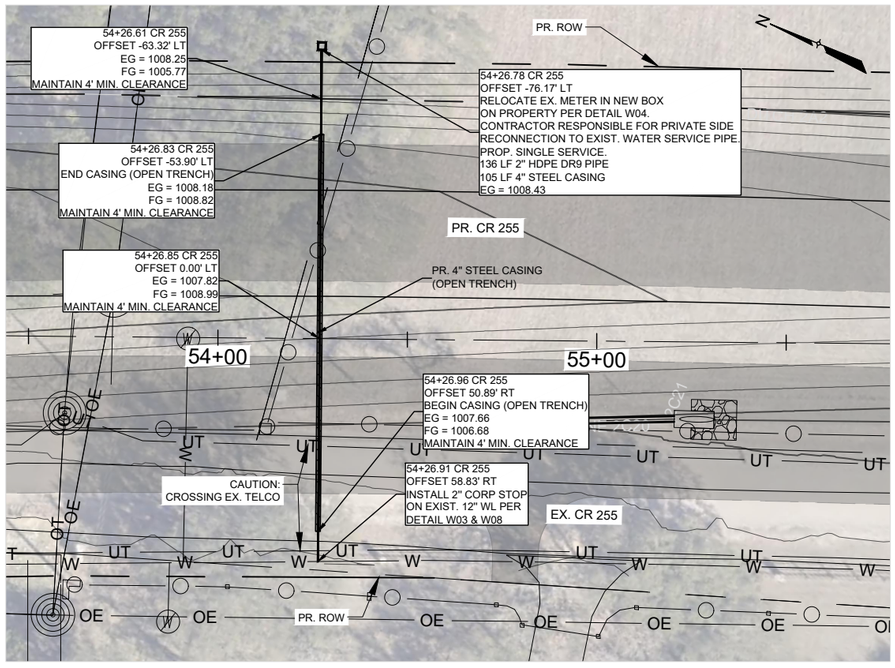
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

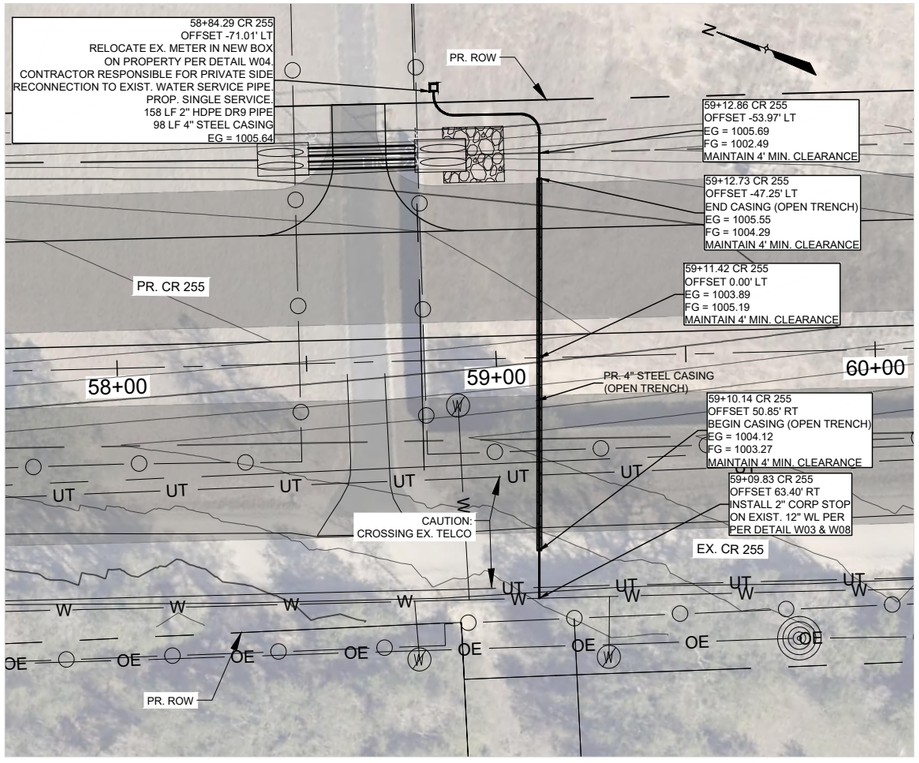
SHEET
C-230

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\XREF\C-NP-WATR-H-I-J-K.dwg – Tab: WL-N – Plotted: 11/13/2024 4:21 PM By: DENO DRULIAS









0 20' 40'
SCALE: 1" = 40'

LEGEND

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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
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1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATER SERVICES - SHEET 1 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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SHEET
C-250

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-200-WTR-SVCS.dwg - Tab: C-250
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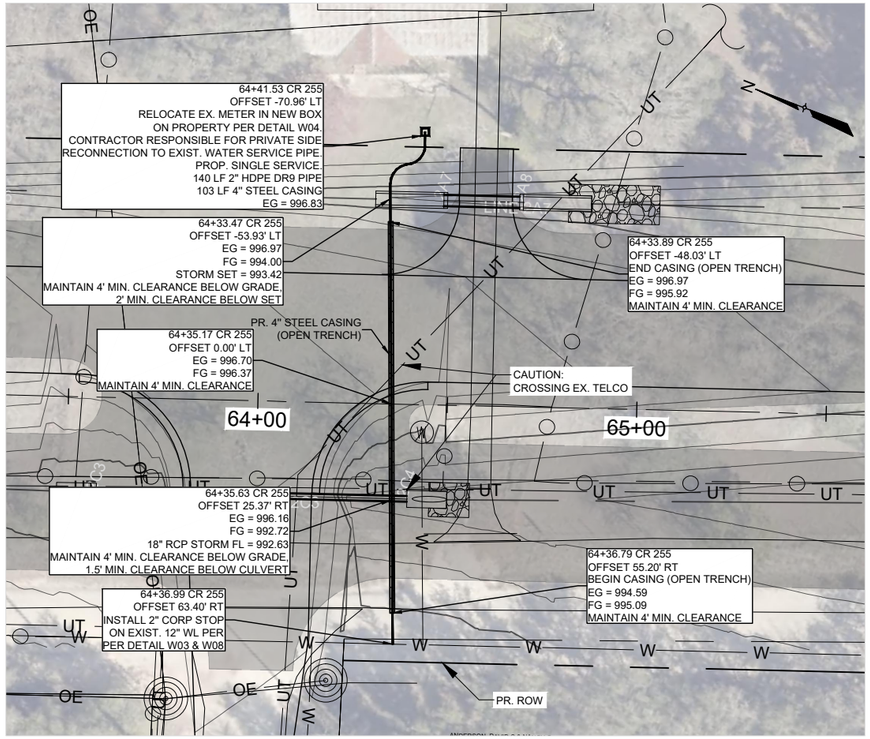

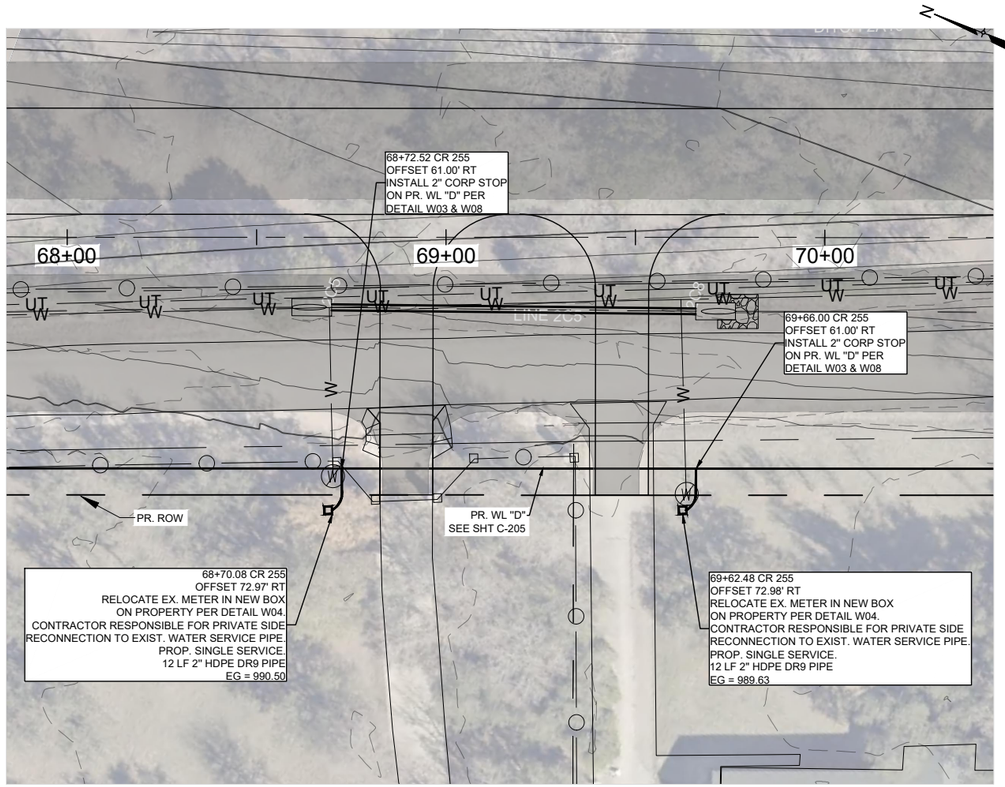

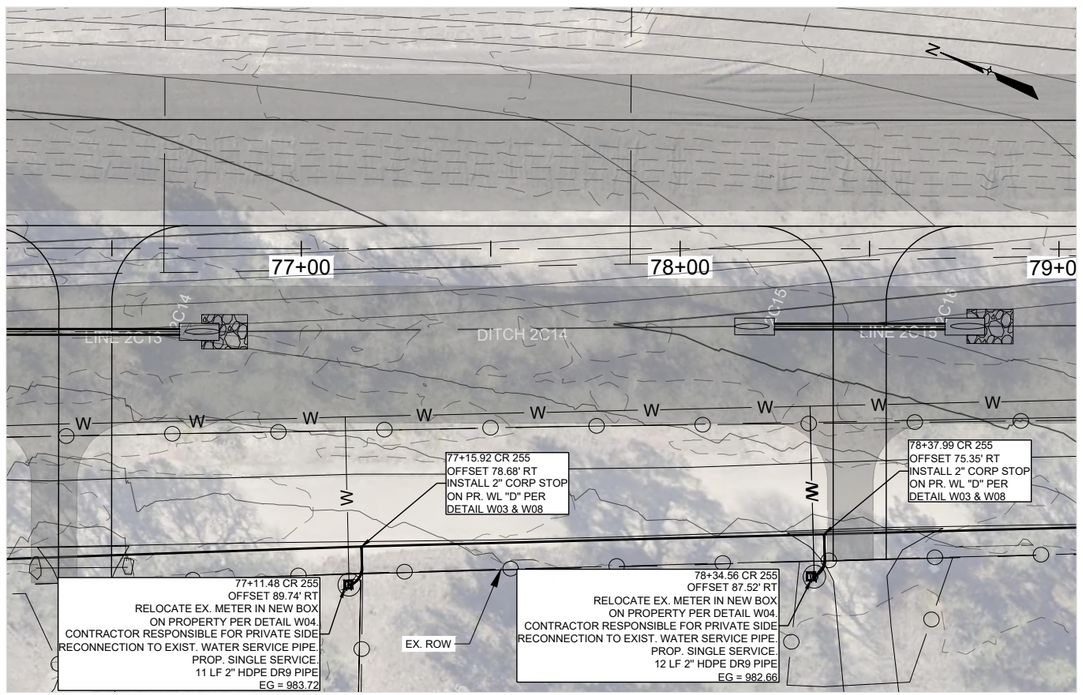

0 20' 40'
SCALE: 1" = 40'

LEGEND

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CobbFendley
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WATER SERVICES - SHEET 2 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
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STATE OF TEXAS
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PROFESSIONAL ENGINEER
11/15/2024

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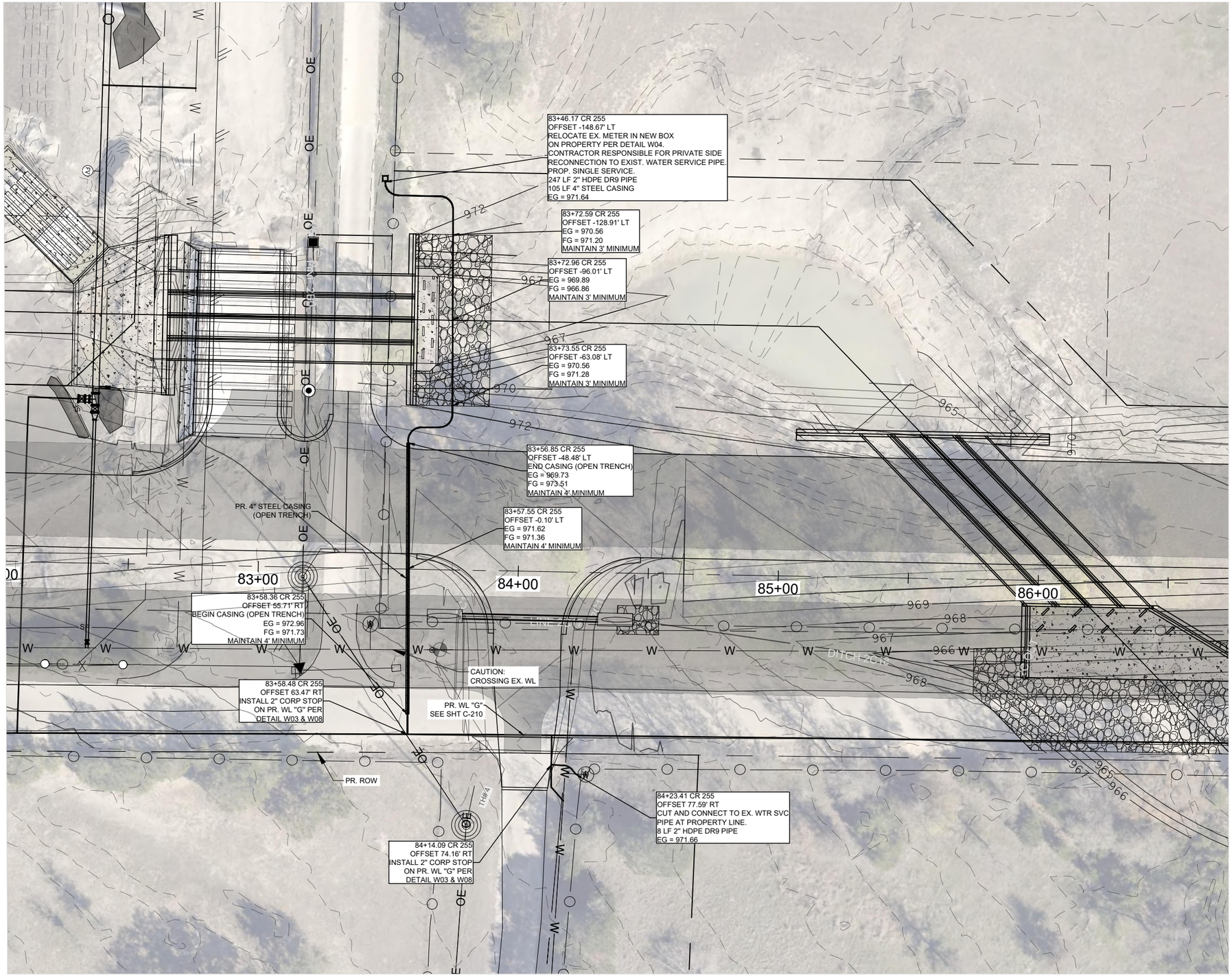
SHEET
C-251

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-200-WTR-SVCS.dwg - Tab: C-251 - Plotted: 11/13/2024 4:21 PM By: DENO DRULIAS



N

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SCALE: 1" = 40'

LEGEND

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- OE — EX. OVERHEAD ELECTRIC
- OC — EX. OVERHEAD CABLE
- OH — EX. OVERHEAD UTILITIES
- OT — EX. OVERHEAD TELECOM
- UT — EX. U.G. TELECOM
- UE — EX. U.G. ELECTRIC
- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- EX. WATER METER
- PR. AIR RELEASE VALVE
- FUTURE ULTIMATE ROAD PAVEMENT

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4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
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6. THERE ARE TREES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS TO PROTECT THE TREE ROOT ZONES DURING CONSTRUCTION. TREE REMOVAL AND REQUIRED MITIGATION ARE NOT COVERED IN THE UTILITY BID ITEMS AND ARE INCLUDED IN THE ROADWAY PS&E.
7. REMOVAL AND REPLACEMENT OF FENCES AND GATES ON PROPERTY ASSOCIATED WITH WATERLINE INSTALLATIONS SHALL BE SUBSIDIARY TO THE COST OF PIPE.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATER SERVICES - SHEET 3 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

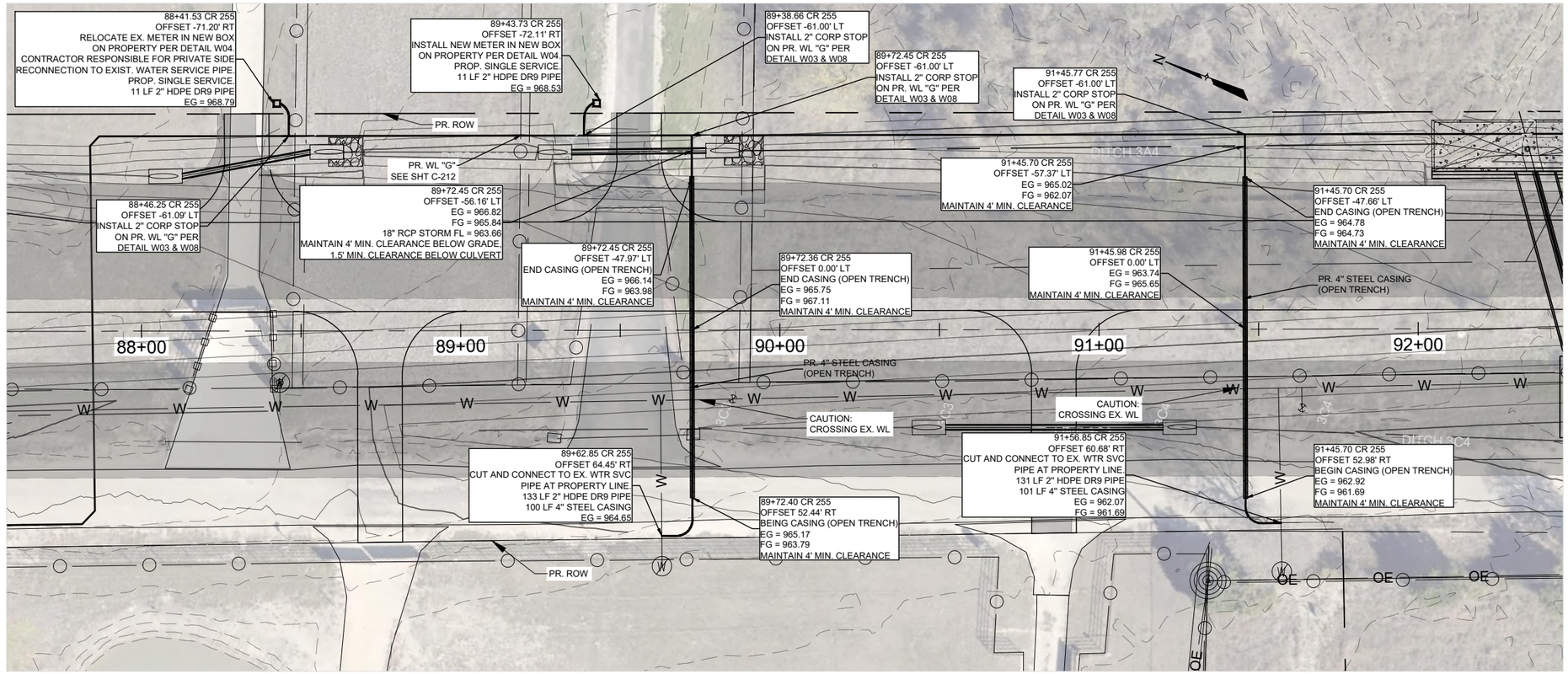
PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

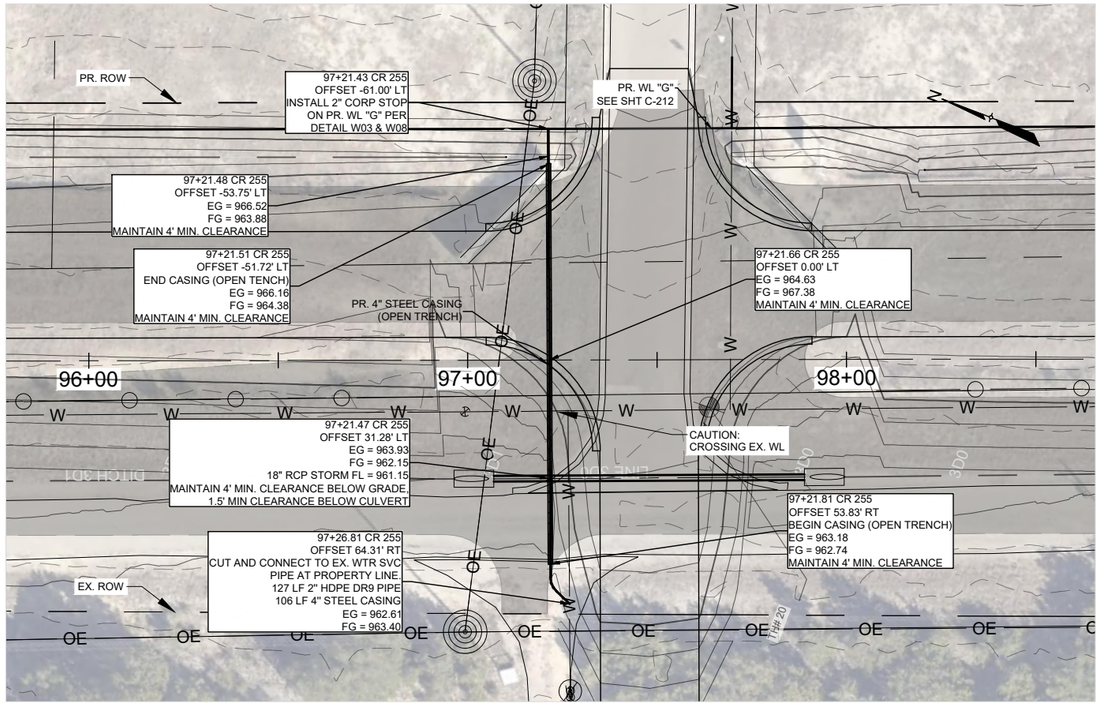
STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

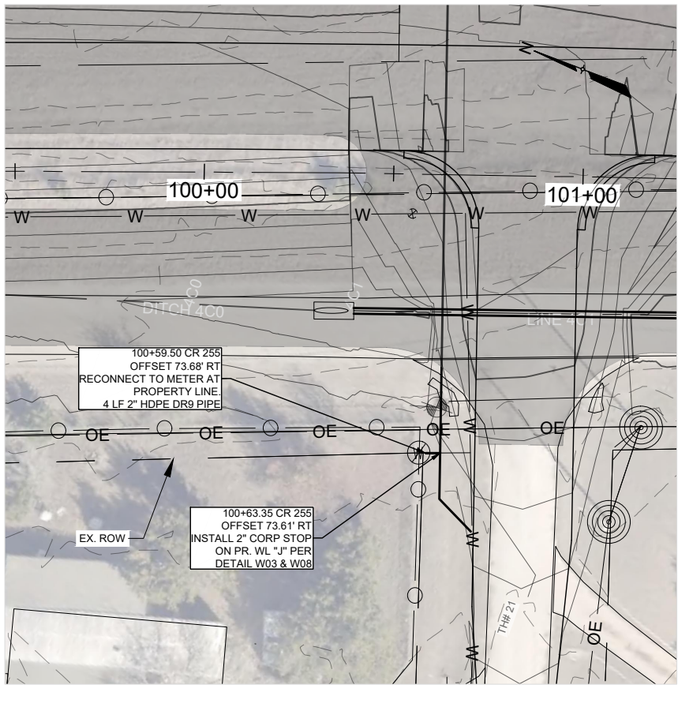
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-252

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-200-WTR-SVCS.dwg - Tab: C-252 - Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS







0 20' 40'
SCALE: 1" = 40'

LEGEND

- EX. RIGHT-OF-WAY
- PR. RIGHT-OF-WAY
- TEMP. CONST. ESMT.
- EX. EDGE OF PAVEMENT
- PR. EDGE OF PAVEMENT
- ULTIMATE PAVEMENT
- W — EX. WATER
- PR. WATER
- WW — EX. WASTEWATER
- SD — EX. STORM DRAIN
- PR. STORM DRAIN
- G — EX. GAS LINE
- OE — EX. OVERHEAD ELECTRIC
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- EX. FENCE
- EX. WATER T.B.A
- EX. WATER VALVE
- PR. WATER VALVE
- EX. FIRE HYDRANT
- PR. FIRE HYDRANT
- W — EX. WATER METER
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- FUTURE ULTIMATE ROAD PAVEMENT

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3. EXISTING 2", 3", 8", 12", AND 15" WATER MAINS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW MAINS ARE CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE.
4. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
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9. CONTRACTOR TO VERIFY SIZES OF WATER LINES, SERVICE LINES, AND METERS PRIOR TO INSTALLATION AND NOTIFY ENGINEER OF ANY DISCREPANCIES

XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
1"=40' HORIZ.
1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATER SERVICES - SHEET 4 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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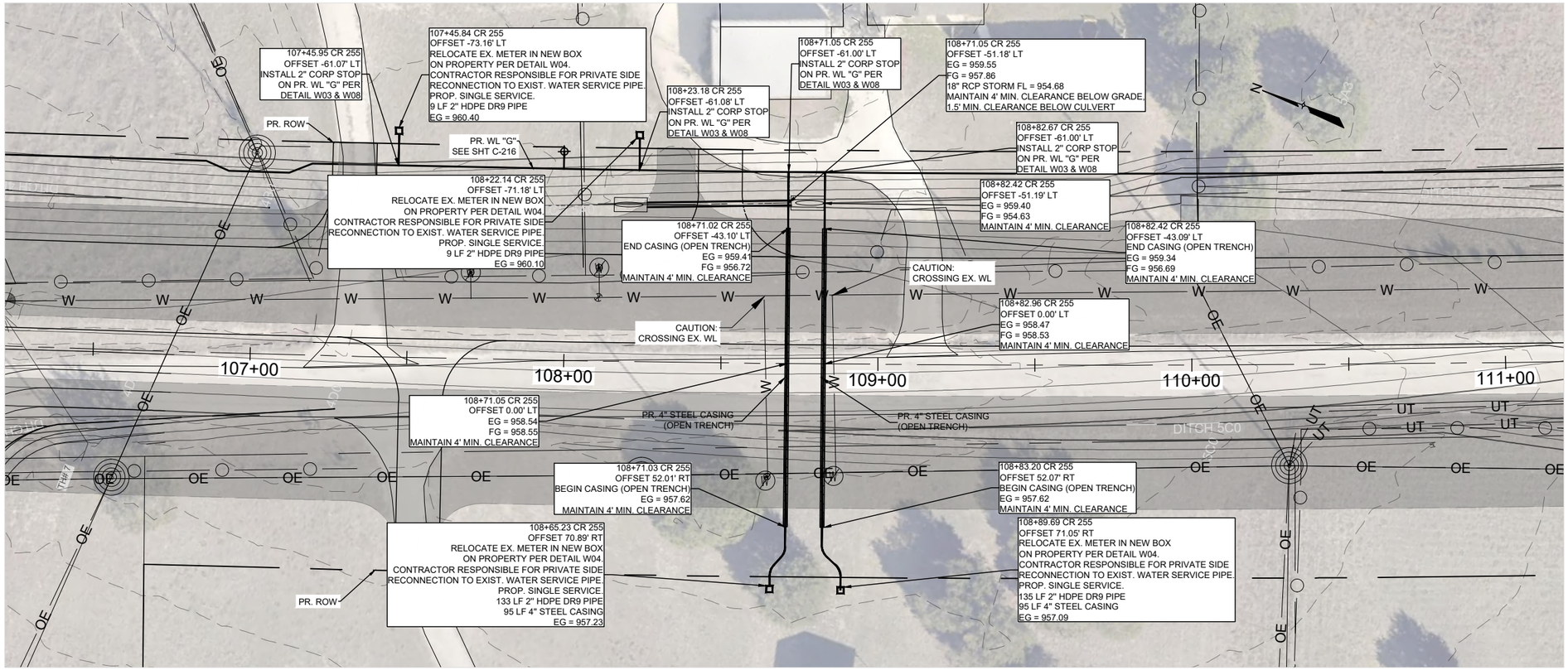
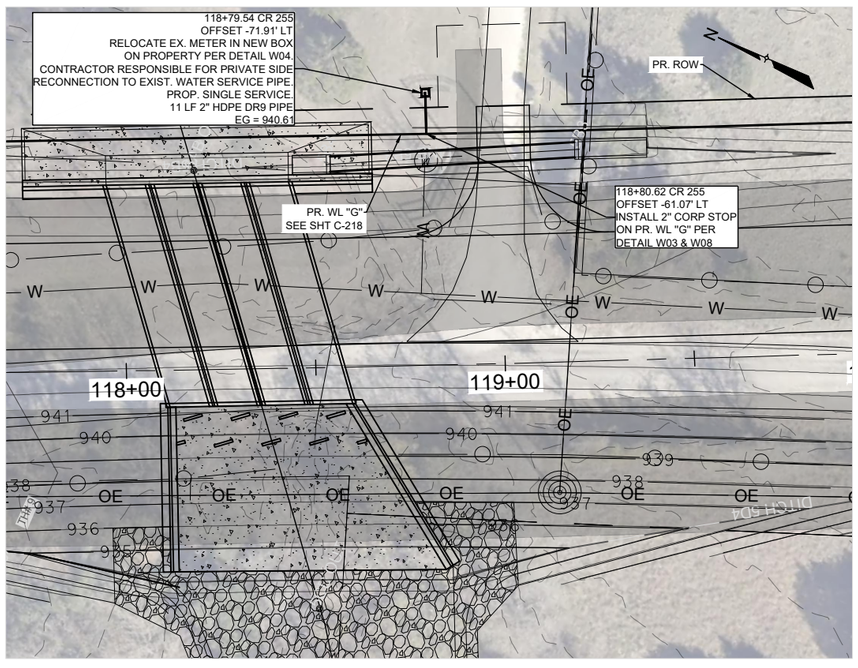
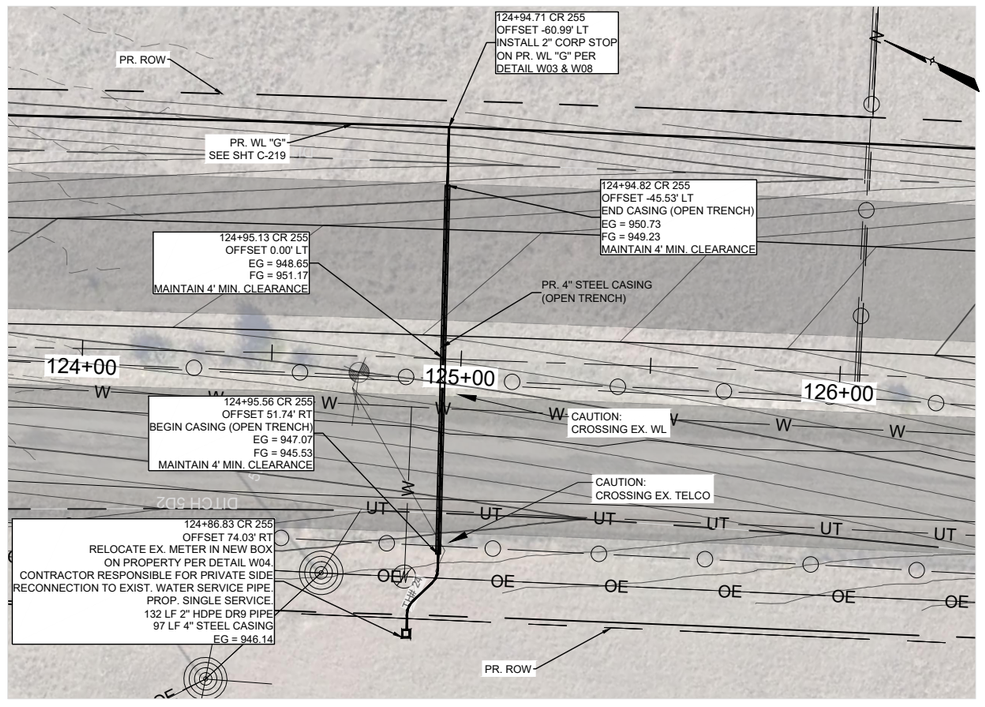
SHEET
C-253

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-200-WTR-SVCS.dwg - Tab: C-253 - Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS







LEGEND

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XXX.XX FLOW LINE

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1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

WATER SERVICES - SHEET 5 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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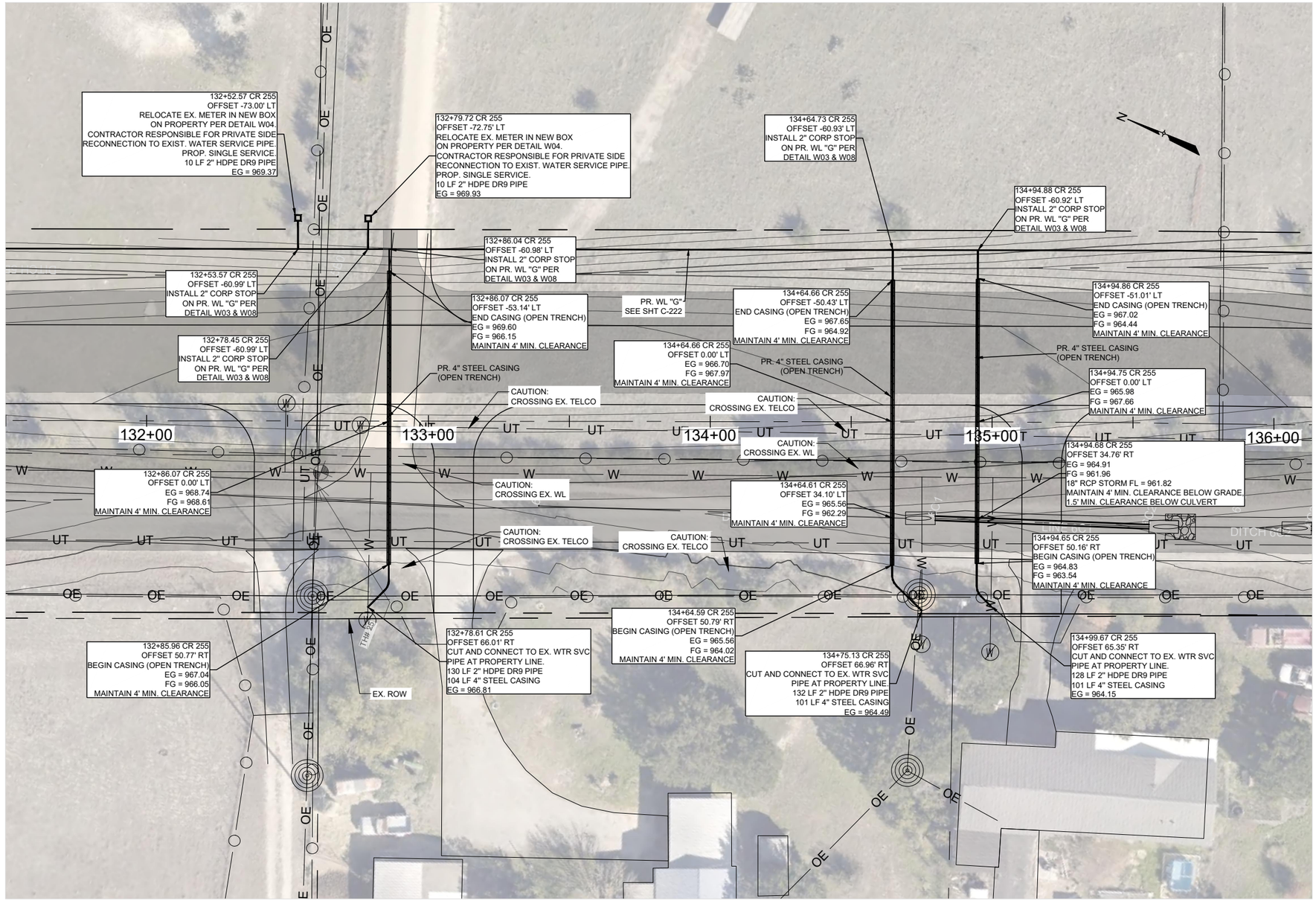
SHEET
C-254

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-200-WTR-SVCS.dwg - Tab: C-254 - Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS



0 20' 40'

SCALE: 1" = 40'

LEGEND

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XXX.X GRADE
XXX.XX FLOW LINE

PROFILE SCALE
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1"=4' VERT.

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
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WATER SERVICES - SHEET 6 OF 6

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
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SHEET
C-255

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WL-A RESTRAINED JOINTS CALCULATIONS						
Pipe Size (inch)	Fitting	Angle (degrees)	Test Pressure (psi)	Depth of Cover (ft)	Required Joint Restraint (ft)	Notes
12x12	Tee	-	250	3	81	1, 3
12	Dead End	-	250	2	148	1, 4
12	Dead End	-	250	3	133	1, 4
12	Double Horiz. Bend	45	250	3	46	1, 6
12	Horiz. Bend	90	250	3	56	1, 6
12	Vert. Bend	45	250	1.5	107, 30	1, 6, 7
WL-A2 RESTRAINED JOINTS CALCULATIONS						
3	Dead End	-	250	3	45	1, 4
4x3	Reducer	-	250	1.5	19	1, 2
12x4	Reducer	-	250	1.5	136	1, 2
12	Dead End	-	250	3	133	1, 4
12	Horiz. Bend	90	250	3	56	1, 6
12	Horiz. Bend	11.25	250	3	6	1, 6
12x12	Tee	-	250	3	81	1, 3
12	Vert. Bend	45	250	3	83, 23	1, 6, 7
12	Vert. Bend	11.25	250	3	20, 6	1, 6, 7
WL-B RESTRAINED JOINTS CALCULATIONS						
12X12	Tee	-	250	2	98	1, 3
12	Horiz. Bend	90	250	3	56	1, 6
12	Vert. Bend	11.25	250	2	24, 7	1, 6, 7
12	Vert. Bend	11.25	250	3	20, 6	1, 6, 7
12	Vert. Bend	22.5	250	2	47, 13	1, 6, 7
12	Vert. Bend	22.5	250	3	40, 11	1, 6, 7
12	Dead End	-	250	2	148	1, 4
12	Dead End	-	250	3	133	1, 4
WL-C RESTRAINED JOINTS CALCULATIONS						
12X12	Tee	-	250	2	98	1, 3
12	Dead End	-	250	2	148	1, 4
12	Dead End	-	250	3	133	1, 4
12	Vert. Bend	11.25	250	2	24, 7	1, 6, 7
12	Vert. Bend	11.25	250	3	20, 6	1, 6, 7
12	Vert. Bend	45	250	3	83, 23	1, 6, 7
12	Horiz.	90	250	3	56	1, 6
WL-D RESTRAINED JOINTS CALCULATIONS						
12X12	Tee	-	250	3	81	1, 3
12X6	Tee	-	250	3	1	1, 3
12	Dead End	-	250	3	133	1, 4
12	Horiz. Bend Offset	11.25	250	3	12	1, 6
12	Horiz. Bend	11.25	250	3	6	1, 6
12x8	Tee	-	250	3	16	1, 3
12	Vert. Bend	45	250	3	20, 6	1, 6, 7
12X16	Reducer	-	250	3	74	1, 2
16X30	Reducer	-	250	3	218	1, 2
30	Dead End	-	250	3	309	1, 4
WL-E RESTRAINED JOINTS CALCULATIONS						
12	Dead End	-	250	3	133	1, 4
12	Horiz. Bend	45	250	3	23	1, 6
12	Vert. Bend	45	250	3	20, 6	1, 6, 7
16	Horiz. Bend	45	250	3	30	1, 6
12x16	Reducer	-	250	3	74	1, 2
WL-F RESTRAINED JOINTS CALCULATIONS						
8	Dead End	-	250	3	93	1, 4
8	Horiz. Bend	45	250	3	17	1, 6
8	Horiz. Bend	90	250	3	39	1, 6
8	Vert. Bend	45	250	3	58, 17	1, 6, 7
WL-G RESTRAINED JOINTS CALCULATIONS						
8	Vert. Bend	45	250	3	58, 17	1, 6, 7
8	Vert. Bend	45	250	3	58, 17	1, 6, 7
8X16	Reducer	-	250	3	127	1, 2
12X16	Reducer	-	250	3	74	1, 2
16X30	Reducer	-	250	3	218	1, 2
30	Dead End	-	250	3	309	1, 4
30	Tee	-	250	3	254	1, 3
30x8	Tee	-	250	3	1	1, 3
30X6	Tee	-	250	3	1	1, 3
30	Horiz. Bend	22.5	250	3	25	1, 6
30	Horiz. Bend	45	250	3	51	1, 6
30	Vert. Bend	5.625	250	3	45, 12	1, 6, 7
30	Vert. Bend	11.25	250	3	45, 12	1, 6, 7
30	Vert. Bend	22.5	250	3	91, 25	1, 6, 7
30	Vert. Bend	45	250	3	189, 51	1, 6, 7
8X6	Tee	-	250	3	4	1, 3
8	Dead End	-	250	3	93	1, 4
8X8	Tee	-	250	3	41.0	1, 3
8	Horiz. Bend	45	250	3	17	1, 6
8	Horiz. Bend	11.25	250	3	4	1, 6
8	Vert. Bend	11.25	250	3	14, 4	1, 6, 7
8x4	Reducer	-	250	3	67	1, 2
4x2	Reducer	-	250	3	16	1, 2
2	Horiz. Bend	11.25	250	3	2	1, 6

WL-H RESTRAINED JOINTS CALCULATIONS						
30	Dead End	-	250	3	309	1, 4
30	Horiz. Bend	45	250	3	98	1, 6
WL-I RESTRAINED JOINTS CALCULATIONS						
8	Dead End	-	250	3	93	1, 4
8	Vert. Bend (up)	22.5	250	3	6	1, 6
WL-J RESTRAINED JOINTS CALCULATIONS						
8	Dead End	-	250	3	93	1, 4
8X6	Tee	-	250	3	1	1, 3
8	Horiz. Bend	45	250	3	17	1, 6
8	Vert. Bend	22.5	250	3	28, 8	1, 6, 7
8x4	Reducer	-	250	3	67	1, 2
4x2	Reducer	-	250	3	16	1, 2
2	Horiz. Bend	45	250	3	8	1, 6
WL-K RESTRAINED JOINTS CALCULATIONS						
30	Dead End	-	250	3	309	1, 4
30	Double Horiz. Bend	45	250	3	102	1, 6
30X16	Reducer	-	250	3	218	1, 2
16X6	Tee	-	250	3	1	1, 3
16	Vert. Bend	45	250	3	108, 30	1, 6, 7
16	Horiz. Bend	5.625	250	3	8	1, 6
16	Horiz. Bend	11.25	250	3	8	1, 6
16	Horiz. Bend	45	250	3	30	1, 6
WL-L RESTRAINED JOINTS CALCULATIONS						
8	Dead End	-	250	3	93	1, 4
8	Vert. Bend	45	250	3	58, 17	1, 6, 7
8	Double Horiz. Bend	45	250	3	34	1, 6
8	Horiz. Bend	90	250	3	39	1, 6
8X4	Reducer	-	250	3	67	1, 2
4X2	Reducer	-	250	3	16	1, 2
2	Horiz. Bend	90	250	3	20	1, 6
WL-M RESTRAINED JOINTS CALCULATIONS						
30X8	Tee	-	250	3	1	1, 3
8	Horiz. Bend	45	250	3	17	1, 6
8X4	Reducer	-	250	3	67	1, 2
4X2	Reducer	-	250	3	16	1, 2
2	Horiz. Bend	45	250	3	8	1, 6
WL-N RESTRAINED JOINTS CALCULATIONS						
8	Dead End	-	250	3	93	1, 4
8	Vert. Bend	5.625	250	3	14, 4	1, 6, 7
8	Horiz. Bend	90	250	3	39	1, 6

Note:

1. All restrained joints must be greater than or equal to the distances given above. If the required restrained joint length occurs to the middle of a pipe segment, then the contractor shall restrain the next joint beyond the required restraint at no additional cost.
2. The EBAA calculator determines the restrained length only on the larger side of the reducer.
3. This assumes that at least 10' is restrained on the length along each run for tees.
4. This is measured from the location of the dead end or gate valve. For dead ends/stubs, restrain from the end of the line; for gate valves, restrain the length on both sides.
5. If two fittings are close enough that adjacent calculated restrained lengths overlap, then restrain all pipe between the two fittings and assume half of the restrained pipe length beween the two fittings acts to resist the thrust force of each fitting.
6. This length is required on each side of the fitting.
7. The first length listed is if it is the upper bend, and second length is if it is the lower bend.

Settings:

Pipe Material	PVC
Laying Condition	Type 4
Soil Designation	CL
Depth of Cover (FT)	3
Design Pressure (psi)	250
Safety Factor	1.5

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

RESTRAINED JOINTS CALCULATIONS

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: C. DRULIAS
DRAWN: C. DRULIAS
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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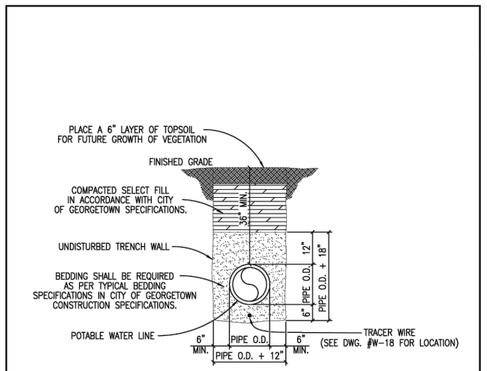
SHEET
C-260

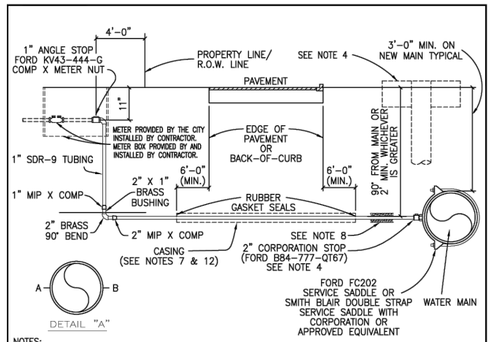
Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-201_RJ-CALCS.dwg -- Tab: RJ_CALCS -- Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS



TRENCH WIDTHS
*PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
*20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

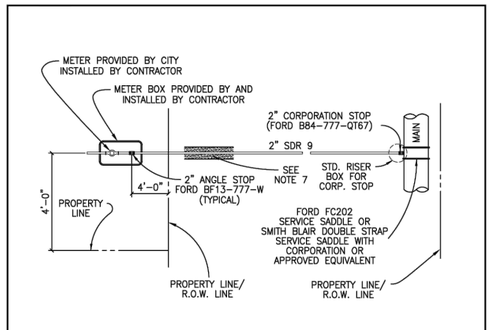
CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
TRENCH AND EMBEDMENT DETAIL UNDER NON-PAVED AREAS	DRAWING NAME: W02
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB



NOTES:
1. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" OFFSET AND AT THE CENTERLINE AS SHOWN ON DETAIL "A".
2. WHERE NO SIDEWALK EXISTS, METER BOXES SHALL BE SET TO CONFORM TO FINISHED GRADE.
3. AUTHORIZED SERVICE LINE MATERIAL: POLYETHYLENE TUBING SHALL BE SDR-9. CLASS 200, SDR TUBING SHALL HAVE STAINLESS STEEL STIFFENERS.
4. ROTATE THE CORPORATION STOP SO THAT THE OPERATING NUT IS ACTUATED FROM THE VERTICAL POSITION RATHER THAN THE HORIZONTAL. SEE STD. RISER FOR CORP. STOP DETAIL, (DWG # W08).
5. SERVICE LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CORPORATION STOP WITH NO FITTINGS IN BETWEEN.
6. SERVICE CASING SHALL NOT BE INSTALLED BY WATER JETTING UNDER ROADWAY.
7. CASING REQUIRED FOR ALL PAVEMENT CROSSINGS. 4" SDR-26 REQUIRED FOR OPEN-CUT. STEEL CASING PIPE REQUIRED FOR JACK AND BORE. LIMITS OF CASING SHOULD EXTEND SIX FEET BEYOND THE EDGE OF PAVEMENT OR BACK-OF-CURB.
8. BEDDING MATERIAL AS PER CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS.
9. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
10. METER BOX TO BE CAPABLE OF HOUSING ITRON AUTOMATIC METER READING DEVICE. USE DFW-PLASTICS, INC. PART NO. 1200.SBAMR OR APPROVED EQUAL.
11. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY. SEE DETAIL W23.
12. CASING SHALL EXTEND OUT TO WITHIN 4' INSIDE OF THE R.O.W. LINE, ON BOTH SIDES.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

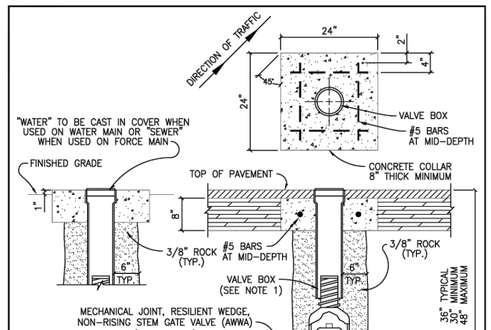
CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 01/23/2013
TYPICAL WATER SERVICE-ELEVATION	DRAWING NAME: W03
	SCALE: NTS; DATE: 1/2013; DRAWN BY: --; APPROVED BY: MH



NOTES:
1. AUTHORIZED SERVICE LINE MATERIAL: POLYETHYLENE TUBING SHALL BE SDR-9. CLASS 200, SDR TUBING SHALL HAVE STAINLESS STEEL STIFFENERS.
2. ANGLE STOP SHALL BE 1" MINIMUM.
3. 1" ANGLE STOPS WITH 3/4" VALVES SHALL NOT BE PERMITTED.
4. MULTIPLE SERVICE/METER INSTALLATIONS OF MORE THAN 4 METERS PER SERVICE AND SERVICE LINES LARGER THAN 2" IN DIAMETER SHALL BE HANDLED ON AN INDIVIDUAL BASIS.
5. ANGLE STOPS 1 1/2" AND 2" IN SIZE SHALL BE PROVIDED WITH BOTH A LOCKING CAP AND METER FLANGE.
6. ANGLE STOPS SHALL BE INSTALLED 8" BELOW FINISHED GRADE AND MARKED WITH A 2" X 2" X 48" TREATED WOOD STAKE, PAINTED BLUE.
7. BEDDING MATERIAL AS PER CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS.
8. CASING REQUIREMENTS FOR SERVICE LINES CROSSING ROADWAYS SEE DETAIL W-03 NOTE #7.
9. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
10. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

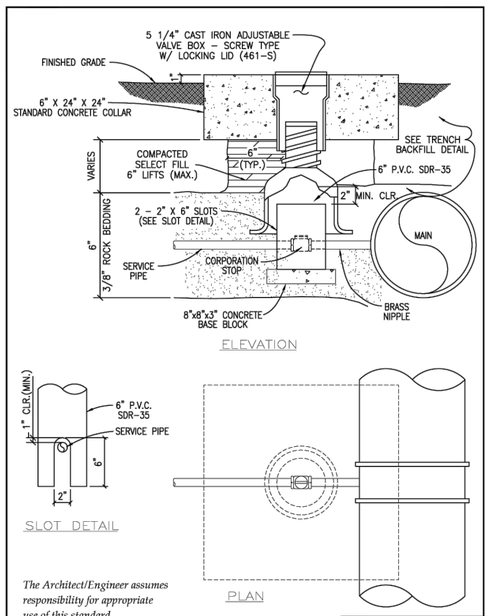
CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 01/23/2013
SINGLE WATER SERVICE PLAN	DRAWING NAME: W04
	SCALE: NTS; DATE: 1/2013; DRAWN BY: --; APPROVED BY: MH



NOTES:
1. VALVE BOX SHALL BE 5 1/4" CAST IRON ADJUSTABLE HAVING AN ADJUSTABLE RANGE OF + OR - 6 INCHES FROM INSTALLED FINISH GRADE.
2. ACCEPTABLE GATE VALVES ARE:
   A. AMERICAN FLOW CONTROL - SERIES 2500
   B. MUELLER - 2360 SERIES
   C. CLOW

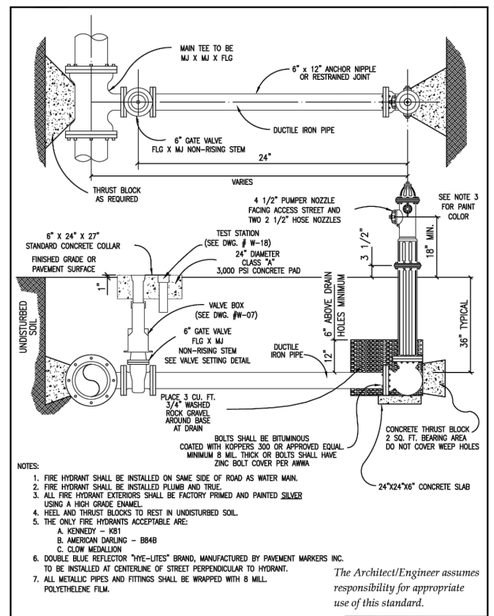
The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
TYPICAL VALVE SETTING	DRAWING NAME: W07
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB



The Architect/Engineer assumes responsibility for appropriate use of this standard.

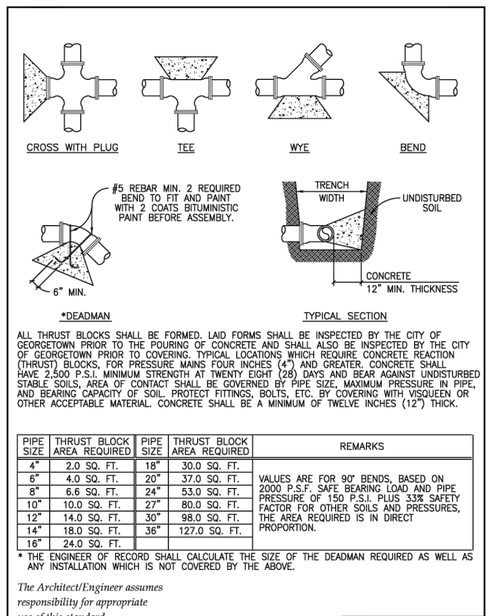
CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
STANDARD RISER BOX FOR CORPORATION STOP	DRAWING NAME: W08
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB



NOTES:
1. FIRE HYDRANT SHALL BE INSTALLED ON SAME SIDE OF ROAD AS WATER MAIN.
2. FIRE HYDRANT SHALL BE INSTALLED PLUMB AND TRUE.
3. ALL FIRE HYDRANT EXTERIORS SHALL BE FACTORY PRIMED AND PAINTED SILVER USING A HIGH GRADE ENAMEL.
4. HEEL AND THRUST BLOCKS TO REST IN UNDISTURBED SOIL.
5. THE ONLY FIRE HYDRANTS ACCEPTABLE ARE:
   A. KENNEDY - K81
   B. AMERICAN DARLING - B84B
   C. CLOW MEDALLION
6. DOUBLE BLUE REFLECTOR "HYE-LITES" BRAND, MANUFACTURED BY PAVEMENT MARKERS INC. TO BE INSTALLED AT CENTERLINE OF STREET PERPENDICULAR TO HYDRANT.
7. ALL METALLIC PIPES AND FITTINGS SHALL BE WRAPPED WITH 8 MILL. POLYETHELENE FILM.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
TYPICAL FIRE HYDRANT INSTALLATION	DRAWING NAME: W10
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB



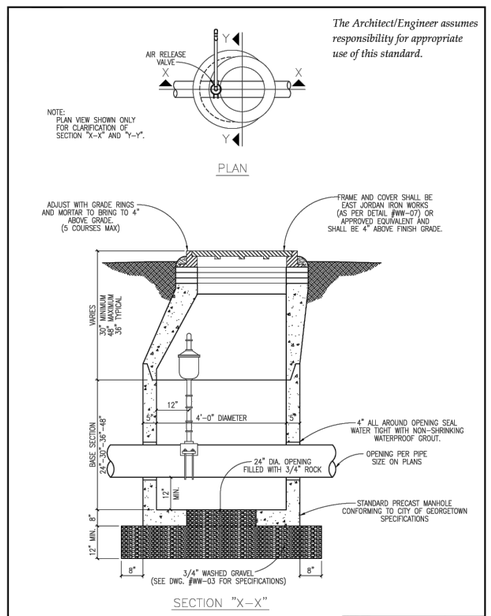
ALL THRUST BLOCKS SHALL BE FORMED. LAID FORMS SHALL BE INSPECTED BY THE CITY OF GEORGETOWN PRIOR TO THE POURING OF CONCRETE AND SHALL ALSO BE INSPECTED BY THE CITY OF GEORGETOWN PRIOR TO COVERING. TYPICAL LOCATIONS WHICH REQUIRE CONCRETE REACTION (THRUST) BLOCKS, FOR PRESSURE MAINS FOUR INCHES (4") AND GREATER, CONCRETE SHALL HAVE 2,500 P.S.I. MINIMUM STRENGTH AT TWENTY EIGHT (28) DAYS AND BEAR AGAINST UNDISTURBED STABLE SOILS. AREA OF CONTACT SHALL BE GOVERNED BY PIPE SIZE, MAXIMUM PRESSURE IN PIPE, AND BEARING CAPACITY OF SOIL. PROTECT FITTINGS, BOLTS, ETC. BY COVERING WITH VISQUEEN OR OTHER ACCEPTABLE MATERIAL. CONCRETE SHALL BE A MINIMUM OF TWELVE INCHES (12") THICK.

PIPE SIZE	THRUST BLOCK AREA REQUIRED	PIPE SIZE	THRUST BLOCK AREA REQUIRED	REMARKS
4"	2.0 SQ. FT.	18"	30.0 SQ. FT.	
6"	4.0 SQ. FT.	20"	37.0 SQ. FT.	VALUES ARE FOR 90° BENDS, BASED ON 2000 P.S.F. SAFE BEARING LOAD AND PIPE PRESSURE OF 150 P.S.I. PLUS 33% SAFETY FACTOR FOR OTHER SOILS AND PRESSURES, THE AREA REQUIRED IS IN DIRECT PROPORTION.
8"	6.6 SQ. FT.	24"	53.0 SQ. FT.	
10"	10.0 SQ. FT.	27"	80.0 SQ. FT.	
12"	14.0 SQ. FT.	30"	98.0 SQ. FT.	
14"	18.0 SQ. FT.	36"	127.0 SQ. FT.	
16"	24.0 SQ. FT.			

* THE ENGINEER OF RECORD SHALL CALCULATE THE SIZE OF THE DEADMAN REQUIRED AS WELL AS ANY INSTALLATION WHICH IS NOT COVERED BY THE ABOVE.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
TYPICAL THRUST BLOCKS FOR WATER AND FORCE MAIN	DRAWING NAME: W11
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB



The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS	REVISION NOTE: ADOPTED 6/21/2006
STANDARD AIR RELEASE VALVE FOR WATER MAIN	DRAWING NAME: W12
	SCALE: NTS; DATE: 1/2003; DRAWN BY: MRS; APPROVED BY: TRB

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

STANDARD WATER DETAILS - SHEET 1 OF 3
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136682
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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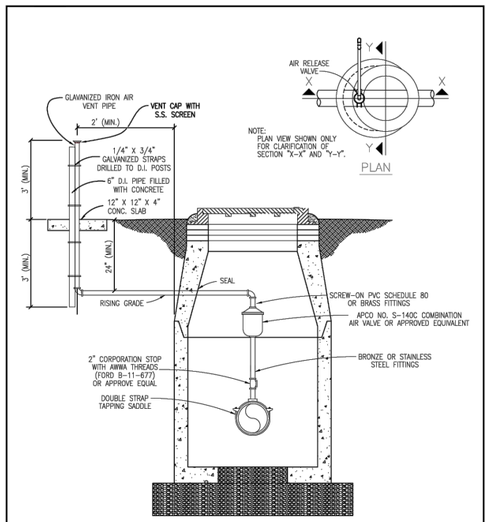
SHEET
C-500

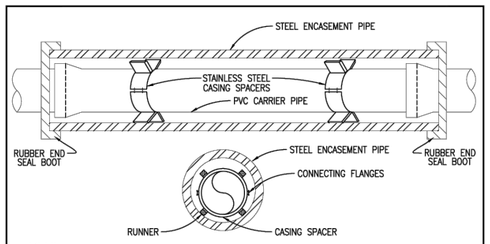
Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-500-DETL-CoGT.dwg - Tab: C-500 STANDARD WATER DETAILS - SHEET 1 - Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS



The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
STANDARD AIR RELEASE VALVE FOR WATER MAIN

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W13 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



NOTES:

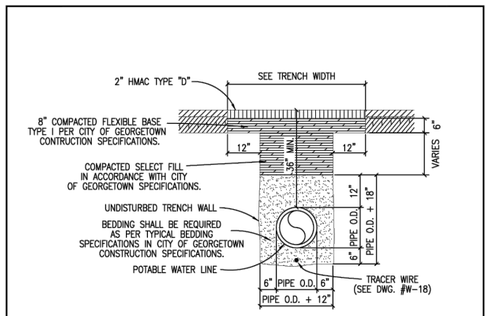
1. CASING SPACERS SHALL BE BOLT ON STYLE WITH A SHELL MADE IN TWO SECTIONS OF HEAVY T-304 STAINLESS STEEL. CONNECTING FLANGES SHALL BE RIBBED FOR EXTRA STRENGTH. CASING SPACERS SHALL BE MADE BY CASCADE WATERWORKS MFG. CO. OR APPROVED EQUAL.
2. CASING SPACERS SHALL HAVE RUNNERS MADE OF ULTRA HIGH MOLECULAR WEIGHT POLYMER, WITH A MINIMUM HEIGHT OF 2 INCHES.
3. DO NOT USE WEDGES BETWEEN TOP OF PVC CARRIER PIPE AND INSIDE OF CASING TO KEEP PVC FROM MOVING.
4. PRIOR TO INSERTING PVC CARRIER PIPE, ANY WATER SHOULD BE PUMPED OUT OF THE CASING PIPE SO THAT NO MORE THAN A FEW INCHES OF WATER REMAINS.
5. SPACERS WILL BE REQUIRED WITHIN AT LEAST 3 FEET FROM BOTH OPENINGS OF THE ENCASEMENT PIPE AND SPACED NO GREATER THAN 6 FEET THROUGHOUT THE ENCASEMENT PIPE.
6. ENCASEMENT PIPE SHALL BE SMOOTH STEEL 35,000 PSI YIELD STRENGTH WITH THICKNESS ACCORDING TO THE FOLLOWING TABLE:
7. WHEN CASING IS REQUIRED UNDER PAVEMENT WITHIN THE R.O.W., THE CASING SHALL EXTEND OUT TO WITHIN 4' INSIDE OF THE R.O.W. LINE, ON BOTH SIDES.
8. ALL JOINTS SHALL BE RESTRAINED ON PVC CARRIER PIPE.

PIPE SIZE-CARRIER (DIAMETER)	PIPE SIZE-CASING (DIAMETER)(MIN.)	MINIMUM PIPE THICKNESS (INCHES)	
6"	16"		
8"	18"	1/4	0.2500
10"	20"	5/16	0.3125
12" – 14"	24"	3/8	0.3750
16" – 18"	30"	7/16	0.4375
20"	36"	1/2	0.5000
24"	42"	1/2	0.5000
30"	48"	1/2	0.5000

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
INSTALLATION OF P.V.C. PIPE THROUGH CASING

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W14 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



TRENCH WIDTHS
*PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
*20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

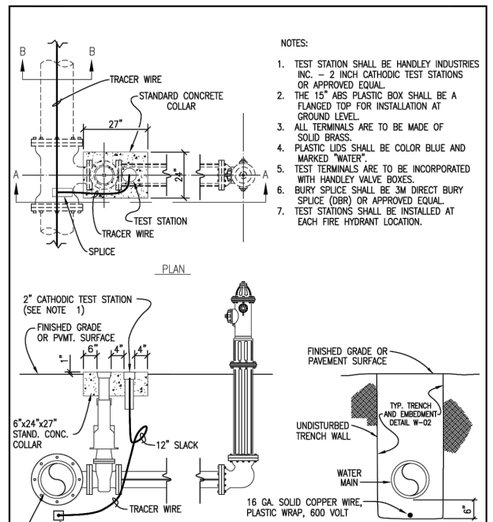
NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE.
2. BASE MATERIAL SHALL BE IN LIFTS NOT TO EXCEED 6" AND EACH LIFT THOROUGHLY ROLLED OR TAMPED TO SPECIFIED MAXIMUM DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
5. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS AND STANDARDS.
6. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL (SEE C9 FLOWABLE BACKFILL FOR THE SPECIFICATION).

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
TRENCH AND EMBEDMENT AND PAVEMENT REPLACEMENT DETAIL UNDER EXISTING ROADWAY

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W17 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



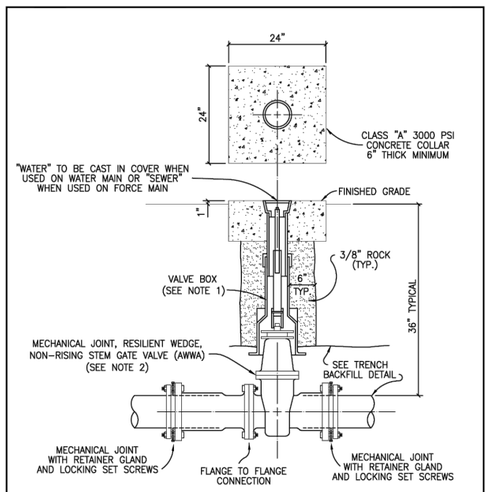
NOTES:

1. TEST STATION SHALL BE HANDLEY INDUSTRIES INC. – 2 INCH CATHODIC TEST STATIONS OR APPROVED EQUAL.
2. THE 15" ABS PLASTIC BOX SHALL BE A FLANGED TOP FOR INSTALLATION AT GROUND LEVEL.
3. ALL TERMINALS ARE TO BE MADE OF SOLID BRASS.
4. PLASTIC LIDS SHALL BE COLOR BLUE AND MARKED "WATER".
5. TEST TERMINALS ARE TO BE INCORPORATED WITH HANDLEY VALVE BOXES.
6. BURY SPLICE SHALL BE 3M DIRECT BURY SPLICE (DBR) OR APPROVED EQUAL.
7. TEST STATIONS SHALL BE INSTALLED AT EACH FIRE HYDRANT LOCATION.

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
TRACER WIRE INSTALLATION AND TEST STATION LOCATION

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W18 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



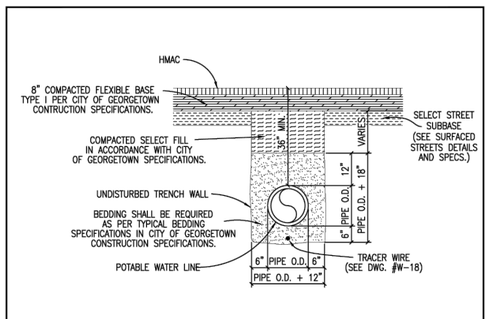
NOTES:

1. SEE VALVE SETTING DETAIL, DWG. #W-07.
2. ACCEPTABLE GATE VALVES ARE:
   A. MUELLER – 2360 SERIES
   B. CLOW

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
INLINE VALVE INSTALLATION

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W21 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



TRENCH WIDTHS
*PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
*20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

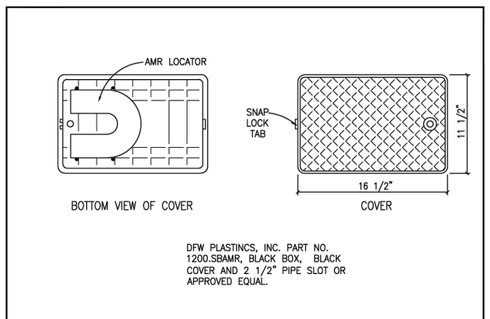
NOTES:

1. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS AND STANDARDS.
2. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL (SEE C9 FLOWABLE BACKFILL FOR THE SPECIFICATION).

The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
TRENCH AND EMBEDMENT DETAIL UNDER PROPOSED ROADWAY

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W22 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB



The Architect/Engineer assumes responsibility for appropriate use of this standard.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
METER BOX (NON-TRAFFIC AREAS)

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: W23 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB

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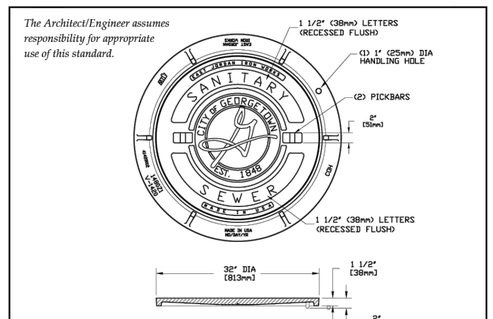

NOTES:

1. STANDARD WASTEWATER MANHOLE SET TO BE EAST JORDAN IRON WORKS, INC. CATALOG NO. 1480A V-1420/1480Z1, COVER TO BE STAMPED WITH "SANITARY SEWER".
2. STANDARD WASTEWATER MANHOLE SET TO BE HEAVY DUTY LOAD RATED.
3. FOR MORE DETAILED SPECIFICATIONS REFER TO EAST JORDAN IRON WORKS, INC. REFERENCE PRODUCT DRAWING 41420012 00148390.
4. FOR BOLTED WASTEWATER MANHOLE SET REFER TO DETAIL WW07A.

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS
STANDARD WASTEWATER MANHOLE SET

REVISION NOTE: ADOPTED 6/21/2006 | DRAWING NAME: WW07 | SCALE: NTS | DATE: 1/2003 | DRAWN BY: MRS | APPROVED BY: TRB

REV. NO. | REVISION DESCRIPTION | APPROVED BY: | DATE

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TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9900 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

STANDARD WATER DETAILS - SHEET 2 OF 3
CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

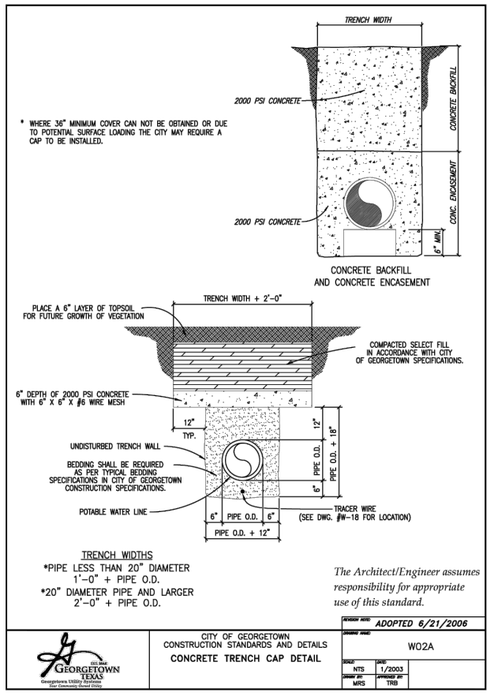
PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

SHEET
C-501

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-500-DETL-CoGT.dwg – Tab: C-501 STANDARD WATER DETAILS – SHEET 2 – Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS



REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley

TBPELS ENGINEERING FIRM NO. F-274, LAND SURVEYING FIRM NO. 10046701
9600 N MOPAC EXPRESSWAY, SUITE 800
AUSTIN, TEXAS 78759
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

STANDARD WATER DETAILS - SHEET 3 OF 3

CR 255 WL RELOCATIONS
GEORGETOWN, TEXAS

WILCO TEXAS

PROJ. NO. 1903-108-05
DESIGN: R. NEWTON
DRAWN: R. NEWTON
CHECK: C. WEEKS
APPR: K. VAN HOOSIER
DATE: NOVEMBER 13, 2024

STATE OF TEXAS
KRISTEN VAN HOOSIER
136882
LICENSED
PROFESSIONAL ENGINEER
11/15/2024

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SHEET
C-502

Dwg Info: G:\CFA\2014\0308801_Williamson_County_2013_Road_Bond\MUN\47_CR255\01\DESIGN\C-500-DETL-CoGT.dwg — Tab: C-502 STANDARD WATER DETAILS — SHEET 3 — Plotted: 11/13/2024 4:22 PM By: DENO DRULIAS

Exhibit C: Prior Rights Location



0 100' 200'
SCALE: 1"=100'

LEGEND

PROPOSED ROW
EXISTING ROW
PROPERTY LINES
EXISTING ROADWAY
PROPOSED ROADWAY

WATER:

COG SERVICE
COG 2"
COG 3"
COG 8"
COG 12"
COG 15"

PROP WATER:
COG

ELIGIBLE FOR PRIOR RIGHTS:
NOT ELIGIBLE
ELIGIBLE

WILCO TEXAS

CobbFendley
TBPELS Firm Registration No. F-274
9600 N. Mopac Expressway, Suite 800
Austin, Texas 78759
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CR 255 COG PRIOR RIGHTS EXHIBIT

DATE: 10/1/2024 SHEET: 1 OF 14

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0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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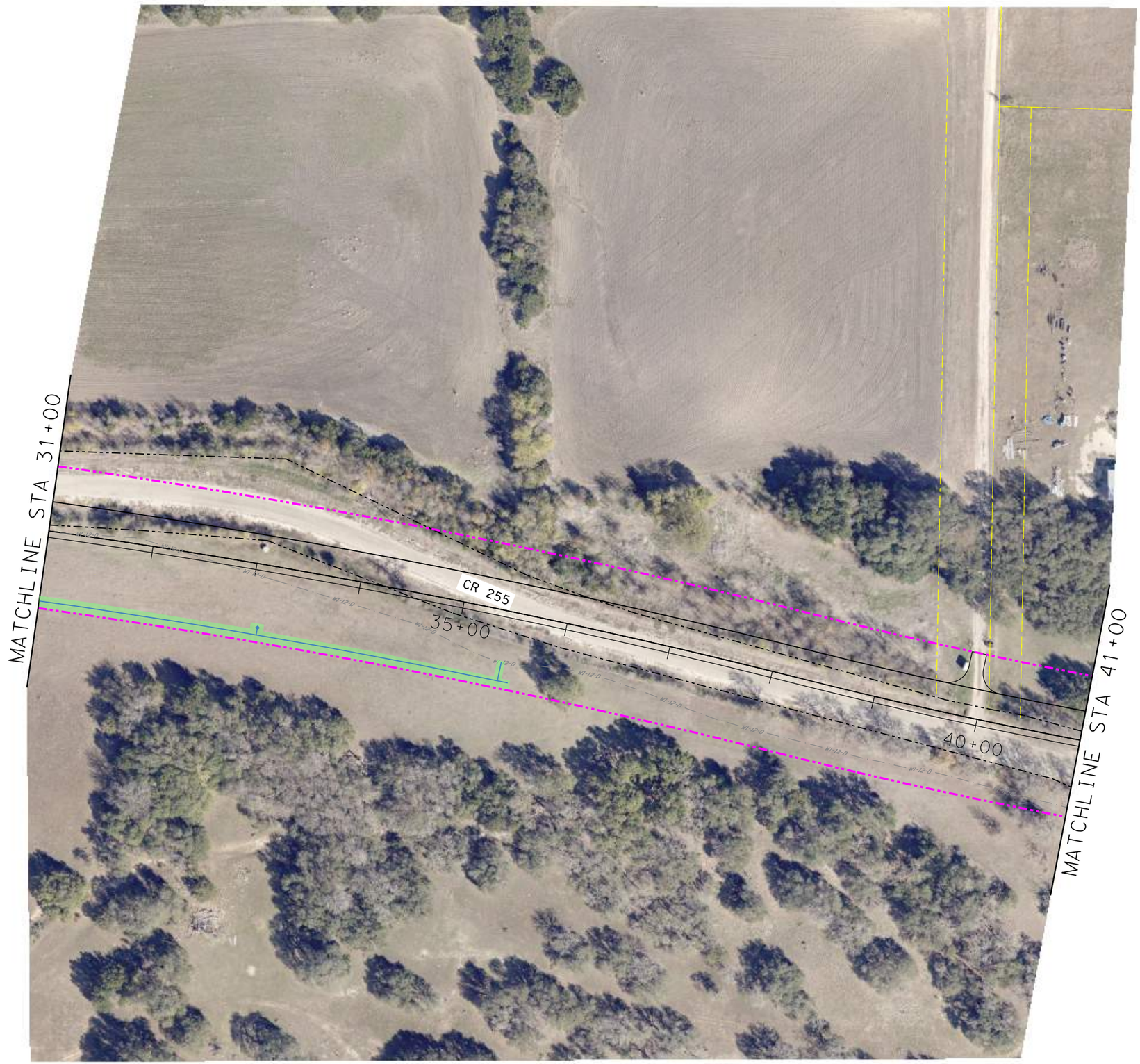

0 100' 200'
SCALE: 1"=100'

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

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0 100′ 200′
SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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DATE: 10/1/2024 SHEET: OF 14

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0 100' 200'
SCALE: 1"=100'

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- COG 2"
- COG 3"
- COG 8"
- COG 12"
- COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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Austin, Texas 78759
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DATE: 10/1/2024 | SHEET: 7 OF 14

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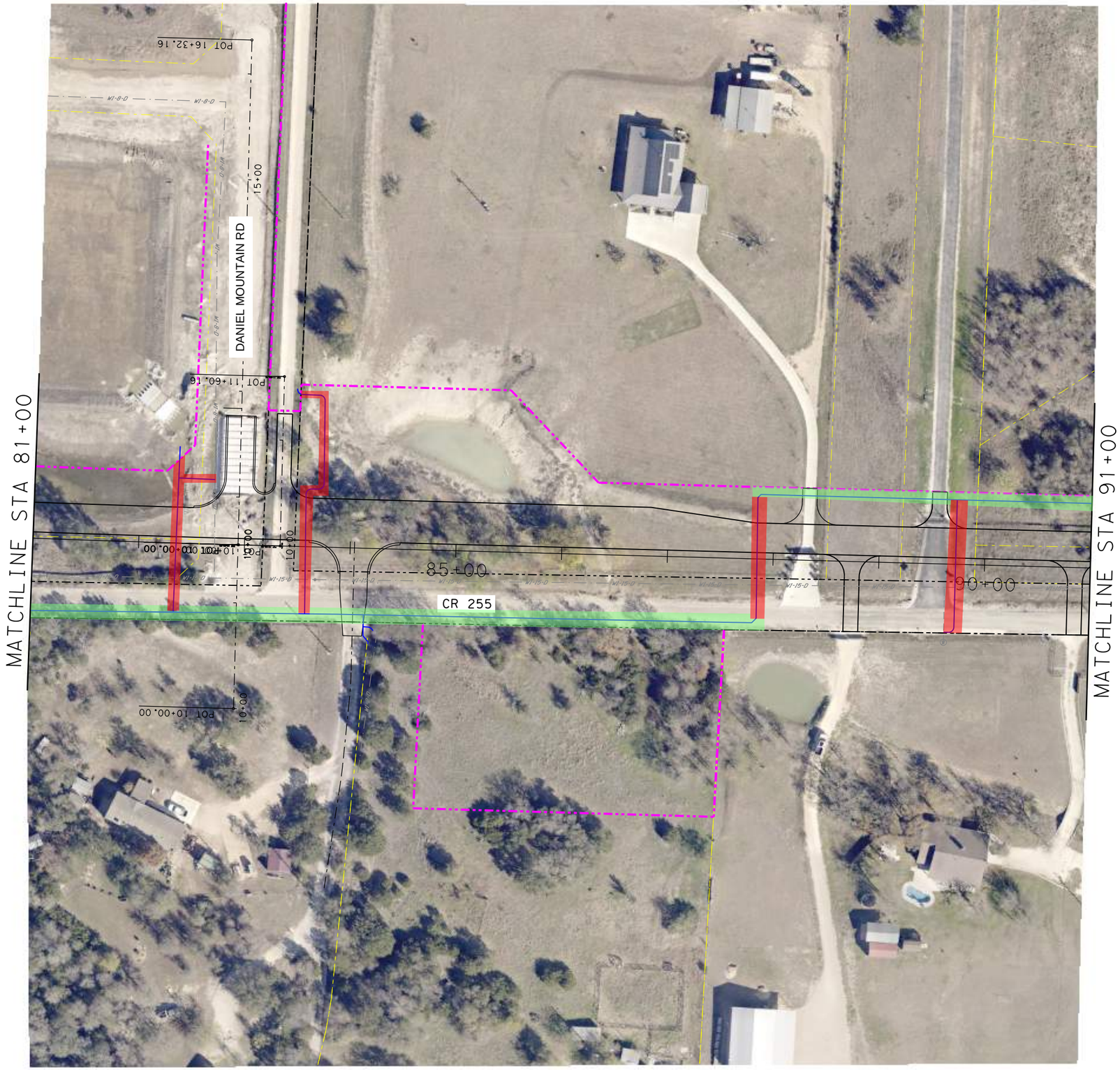

0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

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0 100' 200'

SCALE: 1"=100'

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

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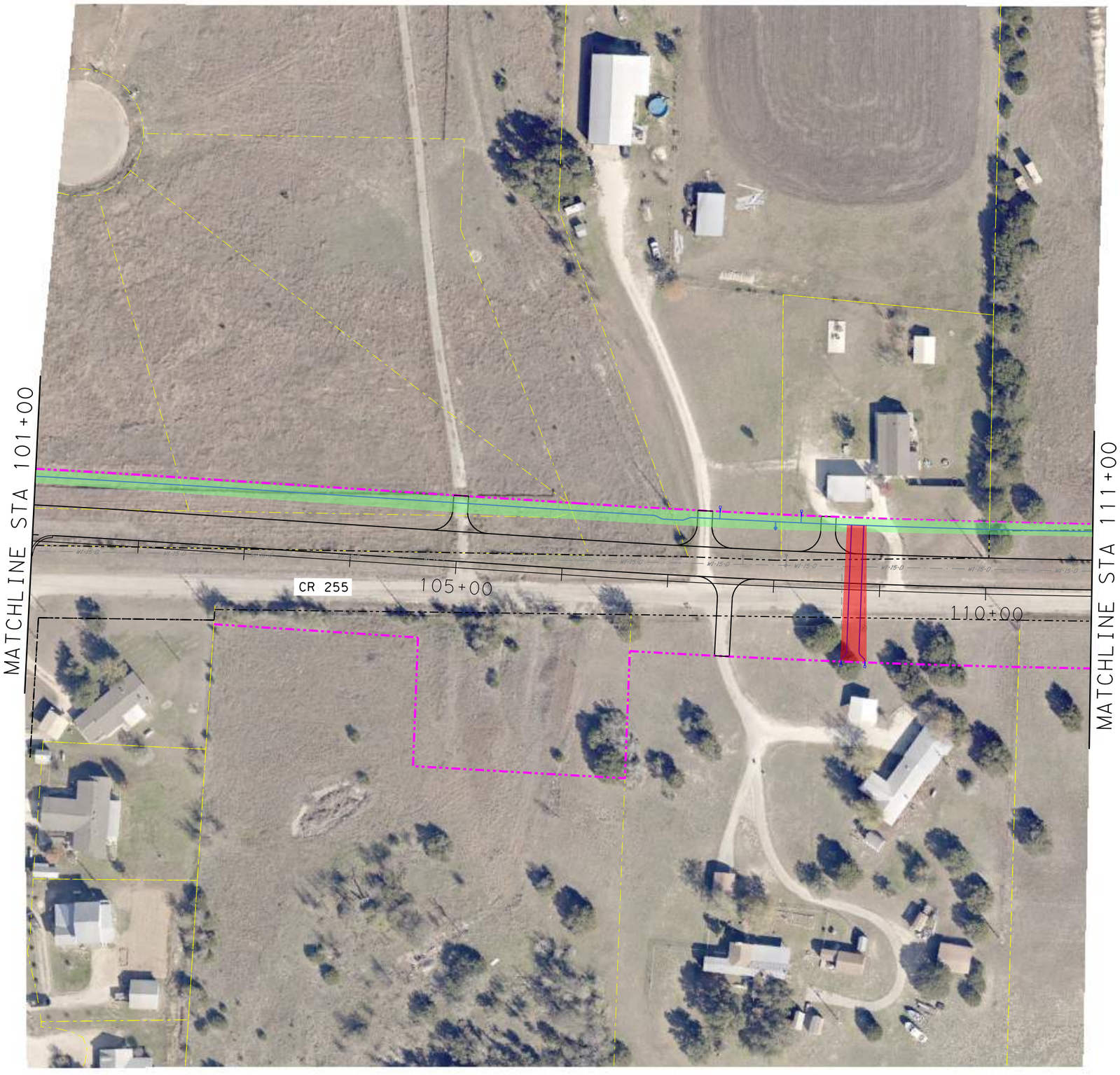

0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

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0 100' 200'

SCALE: 1"=100'

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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9600 N. Mopac Expressway, Suite 800
Austin, Texas 78759
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0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

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- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

WILCO TEXAS

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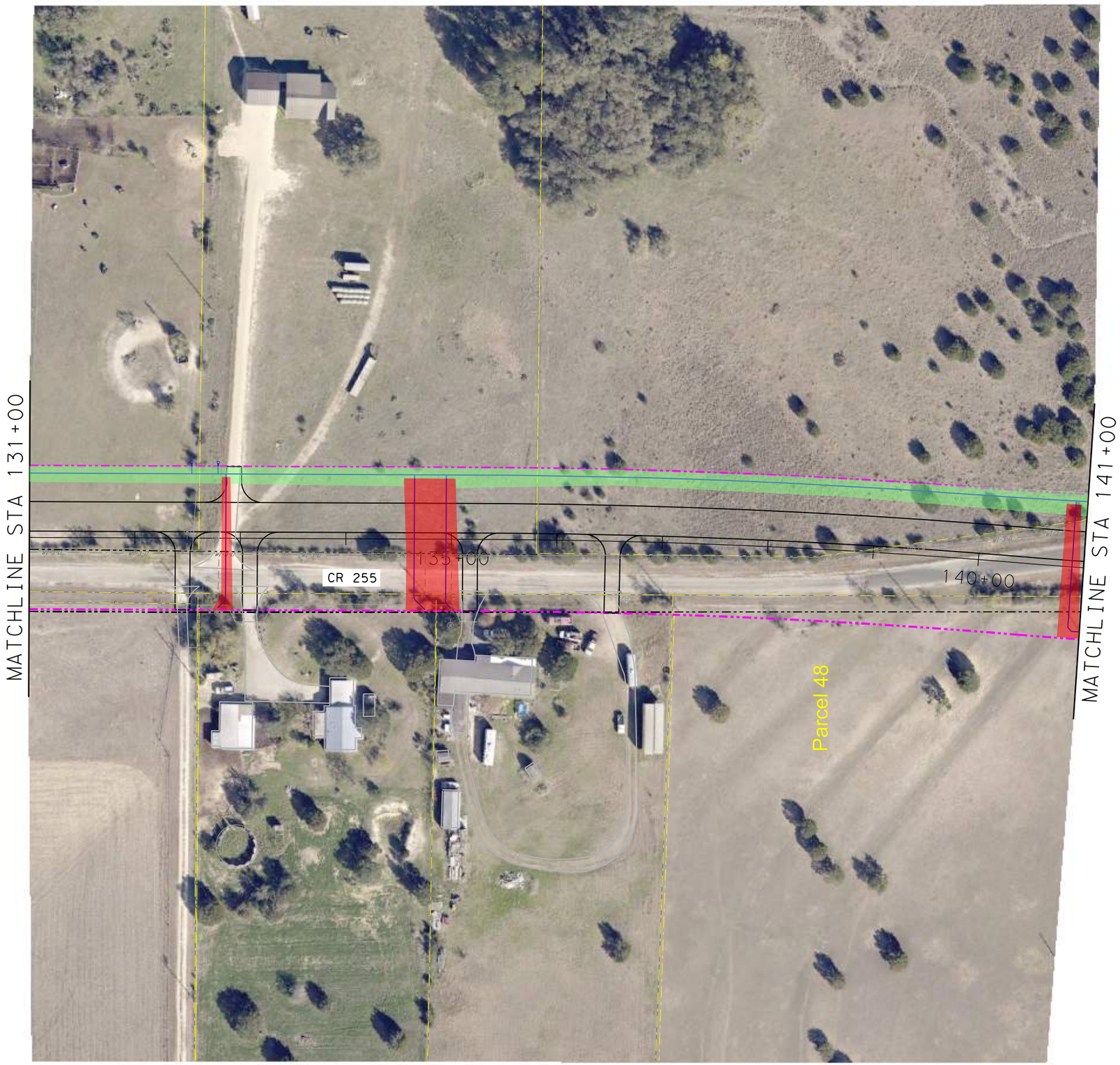

0 100' 200'

SCALE: 1"=100'

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
- W1-12 / W1-12-D — COG 12"
- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

- NOT ELIGIBLE
- ELIGIBLE

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0 100′ 200′

SCALE: 1"=100′

LEGEND

- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- EXISTING ROADWAY
- PROPOSED ROADWAY

WATER:

- COG SERVICE
- W1-2 / W1-2-D — COG 2"
- W1-3 / W1-3-D — COG 3"
- W1-8 / W1-8-D — COG 8"
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- W1-15 / W1-15-D — COG 15"

PROP WATER:

- COG

ELIGIBLE FOR PRIOR RIGHTS:

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- ELIGIBLE

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Austin, Texas 78759
512.834.9798 | fax 512.832.7727 | www.cobbfendley.com

CR 255 COG PRIOR RIGHTS EXHIBIT

DATE: 10/1/2024 | SHEET: 14 OF 14

10/1/2024
12:48:11 PM
G:\CFA\2015\0301501*Williamson*County*Road*and*Bridge\CR 255\DESIGN\EXHIBITS\20240923*COG-WATER-EXHIBIT\CR255*COG-WL-11X17-14.dgn

Exhibit D: Payment Schedule

City Amount Due: Not to Exceed $1,493,148.24

25% ($373,287.06) – Due Upon Agreement Execution

25% ($373,287.06) – Due Upon Bid Award

25% ($373,287.06) – Due Upon 50% Project Completion, by Value

25% ($373,287.06) – Due Upon Substantial Completion

Commissioners Court - Regular Session **48.**

Meeting Date: 06/10/2025

Corridor A2 ROE Agreements

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a consent to evaluate and investigate and survey permit with William Charles Bryan in relation to the Corridor A2 project.FM 973 to CR 406 (Parcel 40). Funding Source: TANS P588

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agreement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:02 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 04:56 PM
Final Approval Date: 06/05/2025		

Docusign Envelope ID: 16237E81-23D0-4FF4-9FF5-E908B2B1B5CA

CONSENT TO EVALUATE AND INVESTIGATE AND SURVEY PERMIT

The undersigned William Charles Bryan ("Grantor") does hereby warrant that they are owners of the real property herein described and do hereby grant to Williamson County, Texas its successors, and its assigns (collectively, "Grantee") permission to enter upon the following described real estate hereinafter referred to as the "Property" in Williamson County, Texas, to wit:

751 CR 405, Taylor, Texas 76574, Property ID R018578

Grantor herein grants to Grantee and/or its representatives the right to conduct any and all due diligence, including but not limited to surveying and engineering of said land. The engineers, surveyors, or inspectors may establish a line-of-sight survey, flag and stake said land, inspect, and conduct other inspections as to the condition of said property ("Survey"). Grantee is responsible for payment of all inspections, surveys, or reports performed at Grantee's request and shall pay for any damage that occurs to the Property as a result of such activities.

Before commencing any work provided for herein, Grantee and all contractors hired by Grantee are to obtain and maintain, at their sole cost and expense, general-liability and property-damage insurance and workman's compensation insurance to cover its employees and workers. Grantee shall maintain such insurance at all times during which Grantee or any of the Grantee Group shall be present on the properties owned by Grantor or at the work site. All of the policies required herein shall be endorsed to waive any rights of subrogation (which the insurance company may acquire by reason of the payment) of any claim to Grantor, its successors, or assigns. General-liability insurance shall provide for insured limits for bodily injury and death of at least $1,000,000 per occurrence and $2,000,000 aggregate. Workman's compensation insurance shall be for the statutory limits, and Employer's Liability Insurance shall have a limit of at least $1,000,000 per occurrence. Comprehensive automobile-liability insurance insuring all owned, non-owned, and hired automobiles shall have minimum limits of liability of $1,000,000 per occurrence for bodily injury and property damage.

To the extent allowed by law, Grantee agrees to pay any and all damages of every kind and nature suffered by the Grantor, their successors, and assigns (hereinafter "Indemnified Party(ies)"), directly caused by or arising in whole or in part out of:

a) the conduct, acts, or omissions of Grantee or the Grantee Group; or

b) Grantee's breach of any term, covenant, or condition of this Survey Permit, arising out of or relating to Grantee's Surveys, or any other negligent or intentional acts or omissions by Grantee or the Grantee Group.

Docusign Envelope ID: 16237E81-23D0-4FF4-9FF5-E908B2B1B5CA

To the extent allowed by law, this indemnity obligation extends to claims arising from work performed hereunder, including those for the death or personal injury of any person (including but not limited to Grantee and the Grantee Group as well as Grantor, the Indemnified Parties, or anyone else) as well as for claims for damage to property, including the loss or loss of use of enjoyment of property.

To the extent allowed by law, Grantee shall indemnify and hold Grantor and/or the Indemnified Party(ies) harmless from and against any and all fines and/or penalties that are imposed as a result of any failure to comply with the requirements of all applicable valid laws, rules, or regulations of governmental bodies having jurisdiction over the activities conducted by, or at the direction of, Grantee or the Grantee Group.

EXECUTED on 5/31/2025

Grantor:

WILLIAM CHARLES BRYAN

DocuSigned by:
William Charles Bryan
EC89D2C5F54D407...
William Charles Bryan

GRANTEE:

Williamson County

_____

By:_____
Printed Name

Title:_____

Commissioners Court - Regular Session **49.**

Meeting Date: 06/10/2025

East Wilco Highway Segment 3 Purchase Contract

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a real estate contract with RCR Taylor Land, L.P. a Texas limited partnership to acquire 12.327 AC, 0.084 AC and 0.175 AC needed as right of way on the East Wilco Highway project segment 3 FM 3349 to US 79. (Parcels 78 & 84 P1-2). Funding Source: Bonds P332

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

contract

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:02 PM

Form Started By: Charlie Crossfield Started On: 06/04/2025 05:06 PM

Final Approval Date: 06/05/2025

REAL ESTATE CONTRACT
East Wilco Highway (Segment 3) Right of Way

THIS REAL ESTATE CONTRACT ("Contract") is made by and between **RCR TAYLOR LAND, L.P., a Texas limited partnership** (referred to in this Contract as "Seller") and **WILLIAMSON COUNTY, TEXAS** (referred to in this Contract as "Purchaser"), upon the terms and conditions set forth in this Contract.

ARTICLE I
PURCHASE AND SALE

By this Contract, Seller sells and agrees to convey, and Purchaser purchases and agrees to pay for, the tract(s) of land described as follows:

> All of that certain 12.327 acre (536,950 Sq. Ft.) tract of land in the Watkins Nobles Survey, Abstract No. 484, and the J.J. Stubblefield Survey, Abstract No. 562, both in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel 78**); and
>
> All of those certain 0.084 acre (3,675 Sq. Ft.) and 0.175 acre (7,632 Sq. Ft.) tracts of land in the J.J. Stubblefield Survey, Abstract No. 562, and the James C. Eaves Survey, Abstract No. 213, both in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "B", attached hereto and incorporated herein (**Parcel 84P1-2**);

together with all and singular the rights and appurtenances pertaining to the property, including any right, title and interest of Seller in and to adjacent streets, alleys or rights-of-way (all of such real property, rights, and appurtenances being referred to in this Contract as the "Property"), and any improvements situated on and attached to the Property described in Exhibit "A" not otherwise agreed herein to be retained by Seller, for the consideration and upon and subject to the terms, provisions, and conditions set forth below.

ARTICLE II
PURCHASE PRICE

Purchase Price

2.01. The Purchase Price for the Property, and any damage to or cost to cure the remaining property of Seller shall be the sum of ONE MILLION FIVE HUNDRED THOUSAND and 00/100 Dollars ($1,500,000.00).

Payment of Purchase Price

2.02. The Purchase Price shall be payable in cash or other readily available funds at the Closing.

ARTICLE III
PURCHASER'S OBLIGATIONS

Conditions to Purchaser's Obligations

3.01. The obligations of Purchaser hereunder to consummate the transactions contemplated hereby are subject to the satisfaction of each of the following conditions (any of which may be waived in whole or in part by Purchaser at or prior to the Closing).

Miscellaneous Conditions

Seller shall have performed, observed, and complied with all of the covenants, agreements, and conditions required by this Contract to be performed, observed, and complied with by Seller prior to or as of the closing.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF SELLER

Seller hereby represents and warrants to Purchaser as follows, which representations and warranties shall be deemed made by Seller to Purchaser also as of the Closing Date, to the best of Seller's current actual knowledge:

(1) There are no parties in possession of any portion of the Property as lessees, tenants at sufferance, or trespassers, other than as previously disclosed to Purchaser;

(2) Seller has complied with all applicable laws, ordinances, regulations, statutes, rules and restrictions relating to the Property, or any part thereof;

ARTICLE V
CLOSING

Closing Date

5.01. The Closing shall be held at the office of Longhorn Title Company on or before May 31, 2025, or at such time, date, and place as Seller and Purchaser may otherwise agree, or within 10 days after the completion of any title curative matters if necessary for items as shown on the Title Commitment or in the contract (which date is herein referred to as the "Closing Date").

Seller's Obligations at Closing

5.02. At the Closing Seller shall:

(1) Deliver to Purchaser a duly executed and acknowledged Special Warranty Deed conveying good and indefeasible title to Williamson County, Texas in fee simple to all of the Property described in Exhibits "A-B", free and clear of any and all monetary liens and restrictions, except for the following:

(a) General real estate taxes for the year of Possession and Use Agreement closing and subsequent years not yet due and payable;

(b) Any exceptions approved by Purchaser pursuant to Article III hereof; and

(c) Any exceptions found on Schedule B of the title commitment for the Property are deemed approved.

(2) The Special Warranty Deed shall be in the form as shown in Exhibit "C" attached hereto and incorporated herein.

(3) Provide reasonable assistance as requested, at no cost to Seller, to cause Title Company to issue Purchaser a Texas Owner's Title Policy at Purchaser's sole expense, in Grantee's favor in the full amount of the Purchase Price, insuring Purchaser's contracted interests in and to the Property subject only to those title exceptions listed herein, such other exceptions as may be approved in writing by Purchaser, and the standard printed exceptions contained in the usual form of Texas Owner's Title Policy, provided, however:

(a) The boundary and survey exceptions shall be deleted;

(b) The exception as to restrictive covenants shall be endorsed "None of Record", if applicable; and

(c) The exception as to the lien for taxes shall be limited to the year of Closing and shall be endorsed "Not Yet Due and Payable".

(d) Deliver to Purchaser possession of the Property if not previously done.

Purchaser's Obligations at Closing

5.03. At the Closing, Purchaser shall:

(a) Pay the cash portion of the Purchase Price.

Prorations

5.04. General real estate taxes for the then current year relating to the Property, if any, shall be prorated as of the Closing Date and shall be adjusted in cash at the Closing. If the Closing shall occur before the tax rate is fixed for the then current year, the apportionment of taxes shall be upon the basis of the tax rate for the next preceding year applied to the latest assessed valuation, but shall otherwise be the continuing obligation of Seller to fully satisfy. Agricultural roll-back taxes, if any, which directly result from the completion of this transaction and conveyance shall be paid by Purchaser.

Closing Costs

5.05. All costs and expenses of closing in consummating the sale and purchase of the Property shall be borne and paid as follows:

(1) Owner's Title Policy and survey to be paid by Purchaser.

(2) Deed, tax certificates, and title curative matters, if any, paid by Purchaser.

(3) All other closing costs shall be paid by Purchaser.

(4) Attorney's fees paid by each party respectively as incurred.

ARTICLE VI
BREACH BY SELLER

In the event Seller shall fail to fully and timely perform any of its obligations hereunder or shall fail to consummate the sale of the Property for any reason, except Purchaser's default, Purchaser may: (1) enforce specific performance of this Contract; or (2) request that the Escrow Deposit, if any, shall be forthwith returned by the title company to Purchaser.

ARTICLE VII
BREACH BY PURCHASER

In the event Purchaser should fail to consummate the purchase of the Property, the conditions to Purchaser's obligations set forth in Article III having been satisfied and Purchaser being in default and Seller not being in default hereunder, Seller shall have the right to receive the Escrow Deposit, if any, from the title company, the sum being agreed on as liquidated damages for the failure of Purchaser to perform the duties, liabilities, and obligations imposed upon it by the terms and provisions of this Contract, and Seller agrees to accept and take this cash payment as its total damages and relief and as Seller's sole remedy hereunder in such event. If no Escrow Deposit has been made then Seller shall receive the amount of $500 as liquidated damages for any failure by Purchaser.

ARTICLE VIII
MISCELLANEOUS

Notice

8.01. Any notice required or permitted to be delivered hereunder shall be deemed received when sent by United States mail, postage prepaid, certified mail, return receipt requested, addressed to Seller or Purchaser, as the case may be, at the address set forth opposite the signature of the party.

Texas Law to Apply

8.02. This Contract shall be construed under and in accordance with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Williamson County, Texas.

Parties Bound

8.03. This Contract shall be binding upon and inure to the benefit of the parties and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Contract.

Legal Construction

8.04. In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, this invalidity, illegality, or unenforceability shall not affect any other provision hereof, and this Contract shall be construed as if the invalid, illegal, or unenforceable provision had never been contained herein.

Prior Agreements Superseded

8.05. This Contract constitutes the sole and only agreement of the parties and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter.

Time of Essence

8.06. Time is of the essence in this Contract.

Gender

8.07. Words of any gender used in this Contract shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, and vice versa, unless the context requires otherwise.

Memorandum of Contract

8.08. Upon request of either party, the parties shall promptly execute a memorandum of this Contract suitable for filing of record.

Compliance

8.09 In accordance with the requirements of Section 20 of the Texas Real Estate License Act, Purchaser is hereby advised that it should be furnished with or obtain a policy of title insurance or Purchaser should have the abstract covering the Property examined by an attorney of Purchaser's own selection.

Effective Date

8.10 This Contract shall be effective as of the date it is approved by Williamson County, Texas which date is indicated beneath the County Judge's signature below.

Counterparts

8.11 This Contract may be executed in any number of counterparts, which may together constitute the Contract. Signatures transmitted by facsimile or electronic mail may be considered effective as originals for purposes of this Contract.

Purchase Under the Threat of Condemnation

8.12. Purchaser acknowledges that it is an entity which possesses the power of condemnation, and that the Property is being conveyed in lieu of condemnation.

[signature page follows]

SELLER:

RCR TAYLOR LAND, L.P.,
a Texas limited partnership

By: _____

Name: Lydia McAllister

Title: Manager

Date: 5/30/25

Address: 250 Highway 290 N
Hempstead, TX 77445

PURCHASER:

WILLIAMSON COUNTY, TEXAS

By: _____
Steven Snell, County Judge

Address: 710 Main Street, Suite 101
Georgetown, Texas 78626

Date: _____

EXHIBIT A
PROPERTY DESCRIPTION FOR PARCEL 78

DESCRIPTION OF A 12.327 ACRE (536,950 SQUARE FOOT), TRACT OF LAND SITUATED IN THE WATKINS NOBLES SURVEY, ABSTRACT NO. 484 AND THE J. J. STUBBLEFIELD SURVEY, ABSTRACT NO. 562 IN WILLIAMSON COUNTY, TEXAS, BEING A 0.851 ACRE, 37,081 SQUARE FOOT PORTION OF THE SOUTHERLY WEST REMAINDER OF THAT CALLED 193.41 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058726 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, A 4.272 ACRE, 186,111 SQUARE FOOT PORTION OF THE WESTERLY REMAINDER OF THAT CALLED 183.94 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058735 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, A 4.247 ACRE, 184,999 SQUARE FOOT PORTION OF THE WESTERLY REMAINDER OF THAT CALLED 183.84 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058736 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, AND A 2.956 ACRE, 128,757 SQUARE FOOT PORTION OF THE REMAINDER OF THAT CALLED 194.559 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058746 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 12.327 ACRE (536,950 SQUARE FOOT) TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at an iron rod with aluminum cap stamped "ROW 4933" set (Grid Coordinates determined as N=10,175,457.11, E=3,193,649.92 TxSPC Zone 4203) in the proposed easterly Right-of-Way (ROW) line of F.M. 3349 (variable width ROW), being in the northerly boundary line of said remainder of the 193.41 acre tract, same being the westerly boundary line of that called 67.16 acre tract of land described in Special Warranty Deed to RCR Taylor Rail, L.P. recorded in Document No. 2019088597 of the Official Public Records of Williamson County, Texas, and being the westerly boundary line of Lot 1, Block 1, RCR-Taylor Logistics Park Minor Plat, Phase 1, a subdivision of record in Document No. 2020121869 of the Official Public Records of Williamson County, Texas, for the northeasterly corner and **POINT OF BEGINNING** of the herein described parcel;

THENCE, departing said 67.16 acre tract, with said proposed easterly ROW line, through the interior of said remainder of the 193.41 acre tract, the following two (2) courses:

1) **S 06°37'27" E,** for a distance of **44.96** feet to an iron rod with aluminum cap stamped "ROW 4933" set for an angle point;

2) **S 05°38'28" W,** for a distance of **312.46** feet to an iron rod with aluminum cap stamped "ROW 4933" set being in the southerly boundary line of said remainder of the 193.41 acre tract, same being the northerly boundary line of said remainder of the 183.94 acre tract, and from which an iron rod with plastic cap stamped "SAM INC." found being the southeasterly corner of said remainder of the 193.41 acre tract, and being the northeasterly corner of said remainder of the 183.94 acre tract bears S 82°56'30" E, at a distance of 4,630.39 feet;

3) **THENCE,** continuing with said proposed easterly ROW line, **S 07°39'21" W,** at a distance of 1,006.86 feet, pass an iron rod with aluminum cap stamped "ROW 4933 ADL" set, being the beginning of an Access Denial Line (ADL), at a distance of 1,599.86 feet, pass another iron rod with aluminum cap stamped "ROW 4933 ADL" set at the end of said ADL, at a distance of 1,689.66 feet, pass an iron rod with aluminum cap stamped "ROW 4933" set in the southerly boundary line of said remainder of the 183.94 acre tract, same being the northerly boundary line of the remainder of said 183.84 acre tract, and from which and iron rod with plastic cap stamped "SAM INC." found being the southeasterly corner of said remainder of the 183.94 acre tract, same being the northeasterly corner of said remainder of the 183.84 acre tract bears S 82°56'27" E, at a distance of 4,633.92 feet, at a distance of 2,676.41 feet, pass an iron rod with aluminum cap stamped "ROW 4933 ADL" set, being the beginning of another Access Denial Line (ADL), at a distance of 3,406.22 feet pass an iron rod with aluminum cap stamped "ROW 4933" set in the southerly boundary line of said remainder of the 183.84 acre tract, same being the northerly boundary line of said remainder of the 194.559 acre tract,

and from which an iron rod with plastic cap stamped "SAM INC." found being the southeasterly corner of said remainder of the 183.84 acre tract, same being the northeasterly corner of said remainder of the 194.559 acre tract bears S 82°56'28" E, at a distance of 4,407.07 feet, at a distance of 3,734.36 feet, pass another iron rod with aluminum cap stamped "ROW 4933 ADL" set at the end of said ADL, and continuing for a total distance of **4,648.36** feet to an iron rod with aluminum cap stamped "ROW 4933" set in the most northerly southerly boundary line of said remainder of the 194.559 acre tract, same being the northerly boundary line of that called 58.001 acre tract of land described in Warranty Deed to Raymond E. Naviar and wife, Diane E. Naviar recorded in Volume 713, Page 723 of the Deed Records of Williamson County, Texas, for the southeasterly corner of the herein described parcel;

4) **THENCE,** departing said proposed easterly ROW line, with the common line of said remainder of the 194.559 acre tract and said 58.001 acre tract **N 82°27'25" W,** for a distance of **102.49** feet to a calculated point in the existing easterly ROW line of said F. M. 3349 (100' ROW width), being the northwesterly corner of said 58.001 acre tract, being the most westerly southwest corner of said remainder of the 194.559 acre tract, also being the southeasterly corner of that called 2.8485 acre ROW tract described in Deed to the State of Texas recorded in Volume 673, Page 213, of the Deed Records of Williamson County, Texas, for the southwesterly corner of the herein described parcel, and from which, a TxDOT Type 1, concrete ROW monument found, being an angle point in said existing easterly ROW line bears S 07°39'54" W, at a distance of 139.47 feet;

THENCE, with said existing easterly ROW line, being the easterly line of said 2.8485 acre ROW tract and the westerly boundary line of said remainder of the 194.559 acre tract, the following two (2) courses:

5) **N 07°39'54" E,** for a distance of **240.26** feet to a calculated angle point in said existing easterly ROW line;

6) **N 07°28'48" E,** for a distance of **1,000.99** feet to a 1/2" iron rod found, being the northwesterly corner of said remainder of the 194.559 acre tract, same being the southwesterly corner of said remainder of the 183.84 acre tract, also being the northeasterly corner of said 2.8485 acre ROW tract and the southeasterly corner of that called 3.9420 acre ROW tract described in Deed to the State of Texas recorded in Volume 673, Page 210 of the Deed Records of Williamson County, Texas;

THENCE, continuing with said existing easterly ROW line, being the easterly line of said 3.4920 acre ROW tract and the westerly boundary line of said remainder of the 183.84 acre tract, the following two (2) courses:

7) **N 07°28'48" E,** for a distance of **892.04** feet to a 1/2" iron rod found for an angle point;

8) **N 07°35'28" E** for a distance of **824.49** feet to a 1/2" iron rod found, being the northwesterly corner of said remainder of the 183.84 acre tract, same being the southwesterly corner of said remainder of the 183.94 acre tract, also being the northeasterly corner of said 3.9420 acre ROW tract and the southeasterly corner of that called 3.8806 acre tract described in Deed to the State of Texas recorded in Volume 673, Page 207 of the Deed Records of Williamson County, Texas;

9) **THENCE,** continuing with said existing easterly ROW line, being the easterly line of said 3.8806 acre ROW tract and the westerly boundary line of said remainder of the 183.94 acre tract, **N 07°35'28" E,** for a distance of **1,689.64** feet to a 1/2" iron rod found, being the northwesterly corner of said remainder of the 183.94 acre tract, same being the southwesterly corner of said remainder of the 193.41 acre tract, also being the northeasterly corner of said 3.8806 acre ROW tract and the southeasterly corner of that called 3.2375 acre tract described in Deed to the State of Texas recorded in Volume 673, Page 200 of the Deed Records of Williamson County, Texas,

THENCE, continuing with said existing easterly ROW line, being the easterly line of said 3.2375 acre ROW tract and the westerly boundary line of said remainder of the 193.41 acre tract, the following two (2) courses:

10) **N 07°35'28" E,** for a distance of **204.03** feet to a 1/2" iron rod found for an angle point;

11) **N 07°16'48" E,** for a distance of **148.21** feet to an iron rod with plastic cap stamped "SAM INC" found for the northwesterly corner of said remainder of the 193.41 acre tract, same being an angle point in the westerly boundary line of said 67.16 acre tract, for the northwesterly corner of the herein described parcel;

12) **THENCE,** departing said existing easterly ROW line, with the common boundary line of said remainder of the 193.41 acre tract and said 67.16 acre tract, **S 85°22'03" E,** for a distance of **90.35** feet to the **POINT OF BEGINNING**, containing 12.327 acres, (536,950 square feet) of land, more or less.

Control of Access Clause:

Access will be prohibited across the 593 foot 'Access Denial Line' and the 1,076.55 foot 'Access Denial Line' to the highway facility from the remainder of the property lying adjacent to FM 3349.

This property description is accompanied by a separate parcel plat.

All bearings recited herein are based on the Texas State Plane Coordinate System, Central Zone No. 4203, NAD 83.

THE STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WILLIAMSON §

That I, M Stephen Truesdale, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct and that the property described herein was determined by a survey made on the ground under my direct supervision.

WITNESS MY HAND AND SEAL at Round Rock, Williamson County, Texas.

M. Stephen Truesdale 23 July 2021

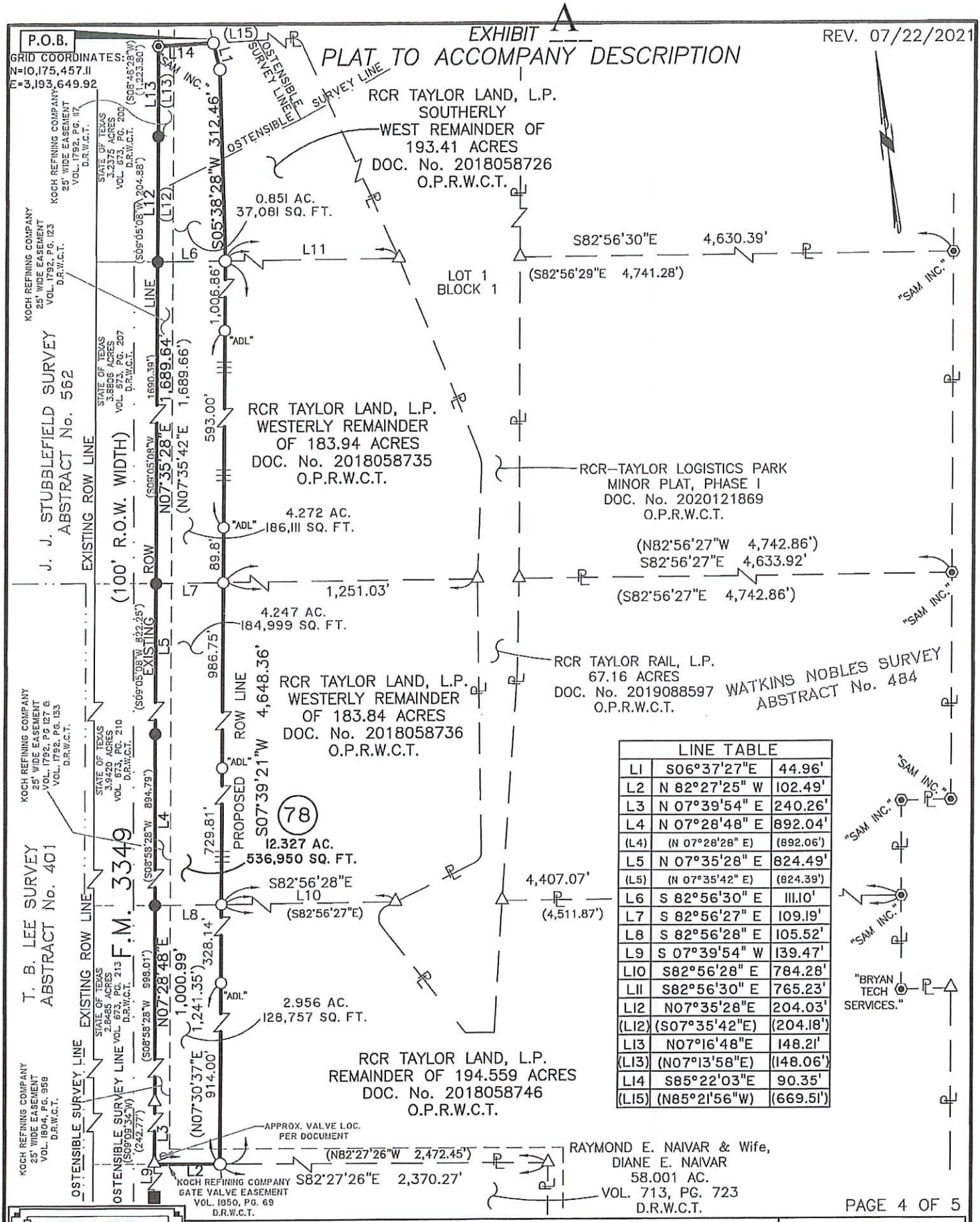
M Stephen Truesdale Date
Registered Professional Land Surveyor No. 4933
Licensed State Land Surveyor
Inland Geodetics, LLC
Firm Registration No: 100591-00
1504 Chisholm Trail Road, Suite 103
Round Rock, TX 78681



EXHIBIT A

PLAT TO ACCOMPANY DESCRIPTION

REV. 07/22/2021



LINE TABLE		
L1	S06°37'27"E	44.96'
L2	N 82°27'25" W	102.49'
L3	N 07°39'54" E	240.26'
L4	N 07°28'48" E	892.04'
(L4)	(N 07°28'28" E)	(892.06')
L5	N 07°35'28" E	824.49'
(L5)	(N 07°35'42" E)	(824.39')
L6	S 82°56'30" E	111.10'
L7	S 82°56'27" E	109.19'
L8	S 82°56'28" E	105.52'
L9	S 07°39'54" W	139.47'
L10	S82°56'28" E	784.28'
L11	S82°56'30" E	765.23'
L12	N07°35'28"E	204.03'
(L12)	(S07°35'42"E)	(204.18')
L13	N07°16'48"E	148.21'
(L13)	(N07°13'58"E)	(148.06')
L14	S85°22'03"E	90.35'
(L15)	(N85°21'56"W)	(669.51')

INLAND GEODETICS
PROFESSIONAL LAND SURVEYORS
1504 CHISHOLM TRAIL RD. STE. 103
ROUND ROCK, TX. 78681
PH. (512) 238-1200, FAX (512) 238-1251
FIRM REGISTRATION NO. 100591-00

RCR TAYLOR LAND, L.P.			
SCALE	PROJECT	COUNTY	PARCEL 78
1" = 200'	F.M. 3349	WILLIAMSON	

EXHIBIT A

PLAT TO ACCOMPANY DESCRIPTION

REV. 07/22/2021

LEGEND

○	IRON ROD WITH ALUMINUM CAP STAMPED "ROW 4933" SET UNLESS NOTED OTHERWISE
◎	IRON ROD WITH PLASTIC CAP FOUND - AS NOTED
●	1/2" IRON ROD FOUND
■	TxDOT TYPE I CONCRETE MONUMENT FOUND
△	CALCULATED POINT
℄	PROPERTY LINE
	LINE BREAK
	DENOTES COMMON OWNERSHIP

P.O.B.	POINT OF BEGINNING
P.O.R.	POINT OF REFERENCE
( )	RECORD INFORMATION
P.R.W.C.T.	PLAT RECORDS WILLIAMSON COUNTY, TEXAS
D.R.W.C.T.	DEED RECORDS WILLIAMSON COUNTY, TEXAS
O.R.W.C.T.	OFFICIAL RECORDS WILLIAMSON COUNTY, TEXAS
O.P.R.W.C.T.	OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS
—— ||| ——	ACCESS DENIAL LINE "ADL"

THE SURVEY SHOWN HEREON WAS PREPARED IN CONJUNCTION WITH THAT COMMITMENT FOR TITLE INSURANCE GF NO. 2017951–KFO, ISSUED BY TITLE RESOURCES GUARANTY COMPANY, EFFECTIVE DATE APRIL 8, 2020, ISSUE DATE APRIL 20, 2020.

10g. CHANNEL EASEMENT VOLUME 673, PG. 204 – DOES NOT AFFECT.

h. PIPELINE EASEMENT VOLUME 1792, PG. 117 – AFFECTS AS SHOWN.
ASSIGNMENT AND ASSUMPTION AGREEMENT DOC. No. 2010078119 – SUBJECT TO

i PIPELINE EASEMENT VOLUME 1792, PG. 123 – AFFECTS AS SHOWN.
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J. PIPELINE EASEMENT VOLUME 1792, PG. 127 – AFFECTS AS SHOWN.
RATIFIED IN VOLUME 1792, PG. 133 – DOES NOT AFFECT
ASSIGNMENT AND ASSUMPTION AGREEMENT DOC. NO. 2010078119 – SUBJECT TO

k. PIPELINE EASEMENT VOLUME 1804, PG. 958 – AFFECTS AS SHOWN.
ASSIGNMENT AND ASSUMPTION AGREEMENT DOC. NO. 2010078119 – SUBJECT TO

l. GATE VALVE EASEMENT VOLUME 1850, PG. 69 – AFFECTS AS SHOWN
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m. ORDINANCES:
No. 2018–22 DOCUMENT No. 2018102377 – AFFECTS
No. 2018–23 DOCUMENT No. 2018102378 – AFFECTS
No. 2018–24 DOCUMENT No. 2018102379 – AFFECTS
No. 2018–23 DOCUMENT No. 2018102380 – AFFECTS

1) ALL BEARINGS SHOWN HEREON ARE BASED ON GRID BEARING. ALL DISTANCES ARE SURFACE DISTANCES. COORDINATES ARE SURFACE VALUES BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, CENTRAL ZONE.

I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND THAT THE PROPERTY SHOWN HEREON WAS DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION.

M. Stephen Truesdale 23 Nov 2021

M. STEPHEN TRUESDALE DATE
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4933
LICENSED STATE LAND SURVEYOR
INLAND GEODETICS, LLC
FIRM REGISTRATION NO. 100591-00
1504 CHISHOLM TRAIL ROAD, SUITE 103
ROUND ROCK, TEXAS 78681

STATE OF TEXAS REGISTERED M. STEPHEN TRUESDALE 4933 PROFESSIONAL LAND SURVEYOR

INLAND GEODETICS
PROFESSIONAL LAND SURVEYORS
1504 CHISHOLM TRAIL RD. STE. 103
ROUND ROCK, TX. 78681
PH. (512) 238-1200, FAX (512) 238-1251
FIRM REGISTRATION NO. 100591-00

RCR TAYLOR LAND, L.P.			
SCALE 1" = 200'	PROJECT F.M. 3349	COUNTY WILLIAMSON	PARCEL 78

EXHIBIT "B"

County: Williamson
Parcel: 84, Parts 1 & 2
Project: FM 3349

PROPERTY DESCRIPTION FOR PARCEL 84, PART 1

DESCRIPTION OF A 0.084 ACRE (3,675 SQUARE FOOT), PARCEL OF LAND SITUATED IN THE J. J. STUBBLEFIELD SURVEY, ABSTRACT NO. 562 IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THE REMAINDER OF THAT CALLED 193.41 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058726 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 0.084 ACRE (3,675 SQUARE FOOT) TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at an iron rod with aluminum cap stamped "ROW 4933" set, (Grid Coordinates determined as N=10,175,651.43, E=3,193,627.35 TxSPC Zone 4203) in the proposed easterly Right-of-Way (ROW) line of F.M. 3349 (variable width ROW), being in the westerly boundary line of said remainder of the 193.41 acre tract, same being the southerly boundary line of that called 5.00 acre tract of land described in General Warranty Deed to the City of Hutto recorded in Document No. 2003011596 of the Official Public Records of Williamson County, Texas, for the northeasterly corner and **POINT OF BEGINNING** of the herein described parcel, and from which, an iron rod with plastic cap stamped "SAM INC." found being the southeasterly corner of said 5.00 acre tract, same being an ell corner in the westerly boundary line of said remainder of the 193.41 acre tract bears S 82°37'54" E, at a distance of 393.68 feet;

1) **THENCE**, departing said 5.00 acre tract, with said proposed easterly ROW line, through the interior of said remainder tract, **S 06°37'27" E**, for a distance of **71.38** feet to an iron rod with aluminum cap stamped "ROW 4933" set in the southerly boundary line of said remainder tract, same being in an east-west portion of the westerly boundary line of that called 67.16 acre tract of land described in Special Warranty Deed to RCR Taylor Rail, L.P. recorded in Document No. 2019088597 of the Official Public Records of Williamson County, Texas, for the southeasterly corner of the herein described parcel;

2) **THENCE**, departing said proposed easterly ROW line, with the common boundary line of said remainder tract and said 67.16 acre tract, **N 85°20'29" W**, for a distance of **60.45** feet to a calculated point in the existing easterly ROW line of F.M. 3349 (100' ROW width), being in the easterly line of that called 3.2375 acre ROW tract described in Deed to the State of Texas recorded in Volume 673, Page 200 of the Deed Records of Williamson County, Texas, same being the southwesterly corner of said remainder tract, also being an ell corner in the westerly boundary line of said 67.16 acre tract, for the southwesterly corner of the herein described parcel;

3) **THENCE**, with the common line of said existing ROW and remainder boundary line, **N 07°16'48" E**, for a distance of **72.12** feet to an iron rod with plastic cap stamped "SAM INC." found for an ell corner in the westerly boundary line of said remainder tract, same being the southwesterly corner of said 5.00 acre tract, for the northwesterly corner of the herein described parcel, and from which, a TxDOT Type 1 concrete monument found in said existing easterly ROW line, bears N 07°16'48" E, at a distance of 59.98 feet;

4) **THENCE**, departing said existing ROW line, with the common boundary line of said remainder tract and said 5.00 acre tract, **S 82°37'54" E**, for a distance of **43.24** feet to the **POINT OF BEGINNING**, containing 0.084 acre, (3,675 square feet) of land, more or less.

PROPERTY DESCRIPTION FOR PARCEL 84, PART 2

DESCRIPTION OF A 0.175 ACRE (7,632 SQUARE FOOT), PARCEL OF LAND SITUATED IN THE JAMES C. EAVES SURVEY, ABSTRACT NO. 213 IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THE REMAINDER OF THAT CALLED 193.41 ACRE TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO RCR TAYLOR LAND, L.P. RECORDED IN DOCUMENT NO. 2018058726 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 0.175 ACRE (7,632 SQUARE FOOT) TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at an iron rod with aluminum cap stamped "ROW 4933" set, (Grid Coordinates determined as N=10,176,325.54, E=3,193,669.88 TxSPC Zone 4203) in the existing easterly Right-of-Way (ROW) line of F.M. 3349 (variable width ROW), same being the westerly boundary line of said remainder of the 193.41 acre tract for the southerly corner and **POINT OF BEGINNING** of the herein described parcel, and from which, an iron rod with plastic cap stamped "VARA" found bears, with said existing easterly ROW line, S 07°16'48" W, at a distance of 175.34 feet, the calculated northeasterly corner of that called 5.00 acre tract to the City of Hutto recorded in Document No. 2003011596 of the Official Public Records of Williamson County, Texas, being an ell corner in the westerly boundary line of said remainder of the 193.41 acre tract and N 82°38'10" W, at a distance of 0.22 feet;

1) **THENCE**, with said existing easterly ROW line, same being said westerly boundary line, **N 07°16'48" E**, for a distance of **154.62** feet to a calculated point, being the intersection of said existing easterly ROW line and the southerly ROW line of the Union Pacific Rail Road (UPRR) (200' ROW width) said ROW is depicted on Right Of Way and Track Map International & Great Northern Ry. maps dated June 30, 1917 (Map V-7B/8 Pg. T39/15), for the northeasterly corner of the herein described parcel;

2) **THENCE**, departing said easterly ROW line, with said southerly UPRR ROW line, **N 77°19'11" E**, for a distance of **105.03** feet to an iron rod with aluminum cap stamped "ROW 4933" set for the northeasterly corner of the herein described parcel, and from which, the calculated location of a point described in Special Warranty Deed to RCR Taylor Rail, L.P. (67.16 acres) recorded in Document No. 2019088597 as "a 5/8" iron rod with SAM cap set on the south right-of-way line of the Union Pacific Railroad, a 200 foot wide right-of-way, recorded in Volume 17, Page 588, Deed Records of Williamson County, Texas,...." bears with said southerly ROW line N 77°19'11" E, for a distance of 689.23 feet;

3) **THENCE**, departing said southerly UPRR ROW line, through the interior of said remainder of the 193.41 acre tract, **S 34°40'41" W**, for a distance of **214.54** feet to the **POINT OF BEGINNING**, containing 0.175 acre, (7,632 square feet) of land, more or less.

This property description is accompanied by a separate parcel plat.

All bearings recited herein are based on the Texas State Plane Coordinate System, Central Zone No. 4203, NAD 83.

THE STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WILLIAMSON §

That I, M Stephen Truesdale, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct and that the property described herein was determined by a survey made on the ground under my direct supervision.

WITNESS MY HAND AND SEAL at Round Rock, Williamson County, Texas.

M. Stephen Truesdale 20 Dec 2021
Date

M Stephen Truesdale
Registered Professional Land Surveyor No. 4933
Licensed State Land Surveyor
Inland Geodetics, LLC
Firm Registration No: 100591-00
1504 Chisholm Trail Road, Suite 103
Round Rock, TX 78681

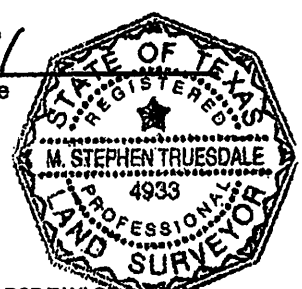
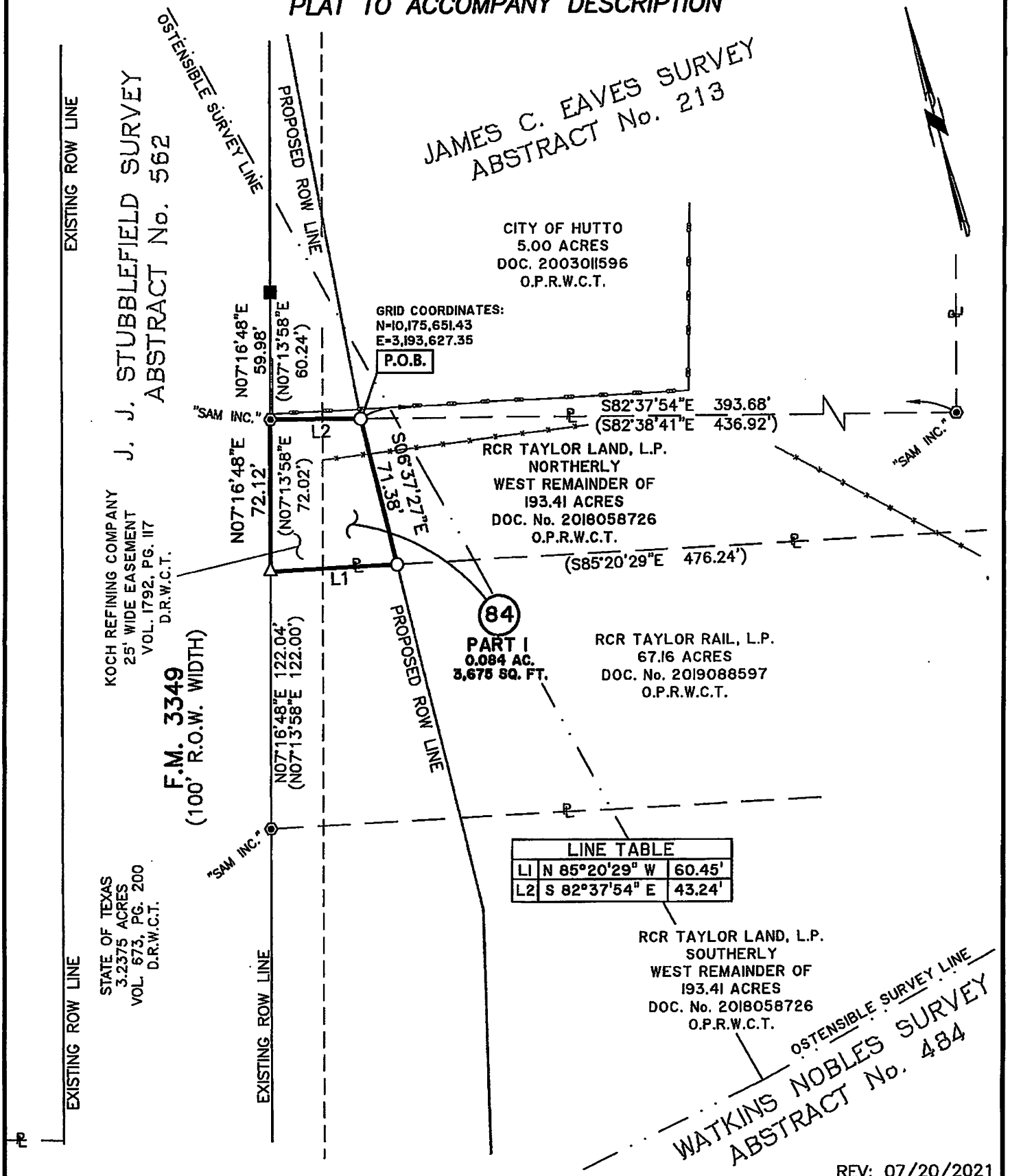


EXHIBIT B

PLAT TO ACCOMPANY DESCRIPTION



LINE TABLE		
L1	N 85°20'29" W	60.45'
L2	S 82°37'54" E	43.24'

REV: 07/20/2021

INLAND GEODETICS LLC
PROFESSIONAL LAND SURVEYORS
1504 CHISHOLM TRAIL RD. STE. 103
ROUND ROCK, TX. 78681
PH. (512) 238-1200, FAX (512) 238-1251
FIRM REGISTRATION NO. 100591-00

PARCEL PLAT SHOWING PROPERTY OF

RCR TAYLOR LAND, L.P.

SCALE		PROJECT	PARCEL
1" = 60'	WILLIAMSON COUNTY	FM 3349	84–PART 1

S:_HDR-PROJECTS\FM3349_OVERPASS\PARCELS\PARCEL 84-PT 1-RCR TAYLOR LAND LP\PARCEL 84-PT 1-RCR TAYLOR LAND LP.dwg

EXHIBIT B

PLAT TO ACCOMPANY DESCRIPTION

THE SURVEY SHOWN HEREON WAS PREPARED IN CONJUNCTION WITH THAT COMMITMENT FOR TITLE INSURANCE GF NO. 2017951–KFO, ISSUED BY TITLE RESOURCES GUARANTY COMPANY, EFFECTIVE DATE APRIL 8, 2020, ISSUE DATE APRIL 20, 2020.

10g. CHANNEL EASEMENT VOLUME 673, PG. 204 – DOES NOT AFFECT.

h. PIPELINE EASEMENT VOLUME 1792, PG. 117 – AFFECTS AS SHOWN.
ASSIGNMENT AND ASSUMPTION AGREEMENT DOC. No. 2010078119 – SUBJECT TO

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No. 2018–23 DOCUMENT No. 2018102380 – DOES NOT AFFECT

LEGEND

○	IRON ROD WITH PLASTIC CAP STAMPED "INLAND 4933" SET
◉	IRON ROD WITH PLASTIC CAP FOUND - AS NOTED
●	1/2" IRON ROD FOUND
■	TxDOT TYPE I CONCRETE MONUMENT FOUND
△	CALCULATED POINT
℄	PROPERTY LINE
	LINE BREAK
	DENOTES COMMON OWNERSHIP
P.O.B.	POINT OF BEGINNING
P.O.R.	POINT OF REFERENCE
( )	RECORD INFORMATION
P.R.W.C.T.	PLAT RECORDS WILLIAMSON COUNTY, TEXAS
D.R.W.C.T.	DEED RECORDS WILLIAMSON COUNTY, TEXAS
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O.P.R.W.C.T.	OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS

STATE OF TEXAS
REGISTERED
M. STEPHEN TRUESDALE
4933
PROFESSIONAL
LAND SURVEYOR

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I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND THAT THE PROPERTY SHOWN HEREON WAS DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION.

M. Stephen Truesdale 20 Dec 2021

M. STEPHEN TRUESDALE DATE
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LICENSED STATE LAND SURVEYOR
INLAND GEODETICS, LLC
FIRM REGISTRATION NO. 100591-00
1504 CHISHOLM TRAIL ROAD, SUITE 103
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REV: 07/20/2021

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ROUND ROCK, TX. 78681
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PARCEL PLAT SHOWING PROPERTY OF
RCR TAYLOR LAND, L.P.

PARCEL 84–PART 1

SCALE 1" = 60'

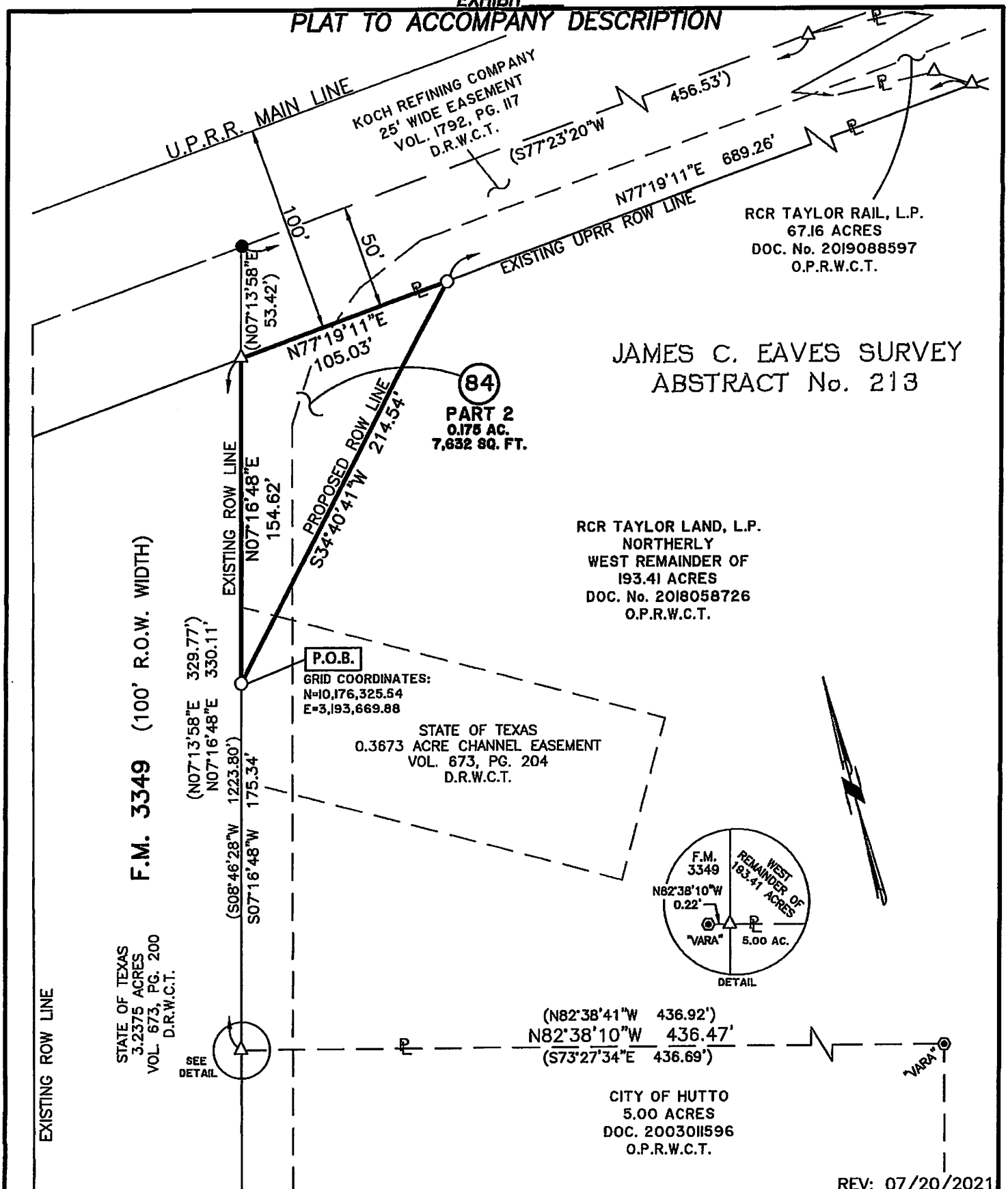
WILLIAMSON COUNTY

PROJECT FM 3349

S:\ HDR–PROJECTS\FM3349 OVERPASS\PARCELS\PARCEL 84–PT 1–RCR TAYLOR LAND LP\PARCEL 84–PT 1–RCR TAYLOR LAND LP.dwg

EXHIBIT B

PLAT TO ACCOMPANY DESCRIPTION



REV: 07/20/2021

INLAND GEODETICS LLC
PROFESSIONAL LAND SURVEYORS
1504 CHISHOLM TRAIL RD. STE. 103
ROUND ROCK, TX. 78681
PH. (512) 238-1200, FAX (512) 238-1251
FIRM REGISTRATION NO. 100591-00

PARCEL PLAT SHOWING PROPERTY OF

RCR TAYLOR LAND, L.P.

SCALE		PROJECT	PARCEL
1" = 60'	WILLIAMSON COUNTY	FM 3349	84–PART 2

S:_HDR-PROJECTS\FM3349_OVERPASS\PARCELS\PARCEL_84-PT_2-RCR_TAYLOR_LAND_LP\PARCEL_84-PART_2-RCR_TAYLOR_LAND_LP.dwg

EXHIBIT B

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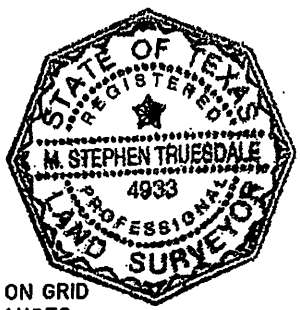

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I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND THAT THE PROPERTY SHOWN HEREON WAS DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION.

M. Stephen Truesdale 20 July 2021

M. STEPHEN TRUESDALE DATE
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4933
LICENSED STATE LAND SURVEYOR
INLAND GEODETICS, LLC
FIRM REGISTRATION NO. 100591-00
1504 CHISHOLM TRAIL ROAD, SUITE 103
ROUND ROCK, TEXAS 78681

LEGEND

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◉	IRON ROD WITH PLASTIC CAP FOUND - AS NOTED
●	1/2" IRON ROD FOUND
■	TxDOT TYPE I CONCRETE MONUMENT FOUND
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REV: 07/20/2021

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FIRM REGISTRATION NO. 100591-00

PARCEL PLAT SHOWING PROPERTY OF
RCR TAYLOR LAND, L.P.

PARCEL 84–PART 2

SCALE 1" = 60'

WILLIAMSON COUNTY

PROJECT FM 3349

S:_HDR–PROJECTS\FM3349_OVERPASS\PARCELS\PARCEL_84–PT_2–RCR_TAYLOR_LAND_LP\PARCEL_84–PART_2–RCR_TAYLOR_LAND_LP.dwg

EXHIBIT "C"

Parcel 78 + 84

DEED

East Wilco Highway (Segment 3) Right of Way

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

NOW, THEREFORE, KNOW ALL BY THESE PRESENTS:

That **RCR TAYLOR LAND, L.P. a Texas limited partnership**, hereinafter referred to as Grantor, whether one or more, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to Grantor in hand paid by Williamson County, Texas, the receipt and sufficiency of which is hereby acknowledged, and for which no lien is retained, either expressed or implied, have this day Sold and by these presents do Grant, Bargain, Sell and Convey unto **WILLIAMSON COUNTY, TEXAS**, all that certain tract or parcel of land lying and being situated in the County of Williamson, State of Texas, along with any improvements thereon, being more particularly described as follows (the "Property"):

> All of that certain 12.327 acre (536,950 Sq. Ft.) tract of land in the Watkins Nobles Survey, Abstract No. 484, and the J.J. Stubblefield Survey, Abstract No. 562, both in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel 78**); and
>
> All of those certain 0.084 acre (3,675 Sq. Ft.) and 0.175 acre (7,632 Sq. Ft.) tracts of land in the J.J. Stubblefield Survey, Abstract No. 562, and the James C. Eaves Survey, Abstract No. 213, both in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "B", attached hereto and incorporated herein (**Parcel 84P1-2**)

SAVE AND EXCEPT, HOWEVER, it is expressly understood and agreed that Grantor is retaining title to the following improvements located on the Property, to wit: NONE

RESERVATIONS FROM AND EXCEPTIONS TO CONVEYANCE AND WARRANTY:

Visible and apparent easements not appearing of record;

Any discrepancies, conflicts, or shortages in area or boundary lines or any encroachments or any overlapping of improvements which a current survey would show;

Easements, restrictions, reservations, covenants, conditions, oil and gas leases, mineral severances, and encumbrances for taxes and assessments (other than liens and conveyances) presently of record in the Official Public Records of Williamson County, Texas, that affect the property, but only to the extent that said items are still valid and in force and effect at this time.

CONTROL OF ACCESS: Access on and off Grantor's remaining property to and from the proposed roadway facility of Grantee from the abutting remainder property shall be permitted except to the extent that such access is expressly prohibited by the provisions and in the locations of the designated Access Denial Line ("ADL") set out in Exhibit "A". Grantor acknowledges that such access on and off the County roadway facility is subject to regulation as may be determined by Grantee, its successors and assigns to be necessary in the interest of public safety or by applicable local municipal or county zoning, platting or permitting requirements.

Grantor reserves all of the oil, gas and other minerals in and under the land herein conveyed but waives all rights of ingress and egress to the surface thereof for the purpose of exploring, developing, mining or drilling or pumping the same; provided, however, that operations for exploration or recovery of any such minerals shall be permissible so long as all surface operations in connection therewith are located at a point outside the acquired parcel and upon the condition that none of such operations shall be conducted so near the surface of said land as to interfere with the intended use thereof or in any way interfere with, jeopardize, or endanger the facilities of Williamson County, Texas, The State of Texas and its assigns or create a hazard to the public users thereof; it being intended, however, that nothing in this reservation shall affect the title and the rights of Grantee to take and use without additional compensation any, stone, earth, gravel, caliche, iron ore, gravel or any other road building material upon, in and under said land for the construction and maintenance of Southeast Loop/East Wilco Highway.

GRANTEE, BY GRANTEE'S ACCEPTANCE OF THIS DEED, ACKNOWLEDGES THAT GRANTEE HAS INSPECTED THE PROPERTY AND IS SATISFIED AS TO THE CONDITION OF SAME AND THAT GRANTEE ACCEPTS THE PROPERTY "AS IS" AND "WHERE IS" AND WITH ALL FAULTS, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING SPECIFICALLY, WITHOUT LIMITATION, ANY WARRANTY AS TO HABITABILITY, SUITABILITY, MERCHANTABILITY, CONDITION OR FITNESS FOR A PARTICULAR PURPOSE, SAVE AND EXCEPT THE LIMITED WARRANTY OF TITLE CONTAINED HEREIN.

TO HAVE AND TO HOLD the property herein described and herein conveyed together with all and singular the rights and appurtenances thereto in any wise belonging unto Williamson County, Texas and its assigns forever; and Grantor does hereby bind itself, its heirs, executors, administrators, successors and assigns to Warrant and Forever Defend all and singular the said premises herein conveyed unto Williamson County, Texas and its assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof by, through or under Grantor, but not otherwise.

This deed is being delivered in lieu of condemnation.

IN WITNESS WHEREOF, this instrument is executed on this the ____ day of _____, 2025.

[signature page follows]

GRANTOR:

RCR TAYLOR LAND, L.P.,
a Texas limited partnership

By:_____

Name:_____

Title:_____

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on _____, 2025 by _____, in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

PREPARED IN THE OFFICE OF:

Sheets & Crossfield, PLLC
309 East Main
Round Rock, Texas 78664

GRANTEE'S MAILING ADDRESS:

Williamson County, Texas
Attn: County Auditor
710 Main Street, Suite 101
Georgetown, Texas 78626

AFTER RECORDING RETURN TO:

Commissioners Court - Regular Session **50.**

Meeting Date: 06/10/2025

East Wilco Highway Segment 5 Purchase Contract

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a real estate contract with Jeffrey and Rebecca Gregory to acquire 0.0515 AC needed as right of way for the East Wilco Highway Segment 5 project (Parcel 94). Funding Source: TANS P588

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

contract

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:03 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 05:09 PM
Final Approval Date: 06/05/2025		

REAL ESTATE CONTRACT
E. Wilco Highway Segment 5 Right of Way

THIS REAL ESTATE CONTRACT ("Contract") is made by and between **JEFFREY GREGORY and REBECCA GROGORY**(referred to in this Contract as "Seller", whether one or more) and **WILLIAMSON COUNTY, TEXAS** (referred to in this Contract as "Purchaser"), upon the terms and conditions set forth in this Contract.

ARTICLE I
PURCHASE AND SALE

By this Contract, Seller sells and agrees to convey, and Purchaser purchases and agrees to pay for, the tract(s) of land described as follows:

> All of that certain 0.0515-acre (2,245 square foot) tract of land, out of and situated in the Silas Palmer Survey, Section 12 Abstract No. 499, in Williamson County, Texas, being a portion of Lot 4, Richfield Estates, a subdivision of record in Cabinet H, Slide 314 of the official public records of Williamson County, Texas; being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel 94**);

together with all and singular the rights and appurtenances pertaining to the property, including any right, title and interest of Seller in and to adjacent streets, alleys or rights-of-way (all of such real property, rights, and appurtenances being referred to in this Contract as the "Property"), and any improvements and fixtures situated on and attached to the Property described herein not otherwise retained by Seller, for the consideration and upon and subject to the terms, provisions, and conditions set forth below.

ARTICLE II
PURCHASE PRICE

Purchase Price

2.01. The Purchase Price for the Property interests described in Exhibit "A", any improvements thereon, and any damage to or cost of cure for the remaining property of Seller shall be the sum of TWO THOUSAND TWO HUNDRED FORTY-FIVE and 00/100 Dollars ($2,245.00).

2.01.1. The Purchase Price for the improvements located within the portion of the Property described in Exhibit "A" shall be the sum of SIX HUNDRED THIRTY and 00/100 Dollars ($630.00)

Payment of Purchase Price

2.02. The Purchase Price shall be payable in cash or other readily available funds at the Closing.

ARTICLE III
PURCHASER'S OBLIGATIONS

Conditions to Purchaser's Obligations

3.01. The obligations of Purchaser hereunder to consummate the transactions contemplated hereby are subject to the satisfaction of each of the following conditions (any of which may be waived in whole or in part by Purchaser at or prior to the Closing).

Miscellaneous Conditions

3.02. Seller shall have performed, observed, and complied with all of the covenants, agreements, and conditions required by this Contract to be performed, observed, and complied with by Seller prior to or as of the Closing.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF SELLER

4.01. Seller hereby represents and warrants to Purchaser as follows, which representations and warranties shall be deemed made by Seller to Purchaser also as of the Closing Date, to the best of Seller's knowledge:

(a) There are no parties in possession of any portion of the Property as lessees, tenants at sufferance, or trespassers, other than previously disclosed to Purchaser.

(b) Seller has complied with all applicable laws, ordinances, regulations, statutes, rules and restrictions relating to the Property, or any part thereof.

4.02. The Property is being conveyed to Purchaser under threat of condemnation.

ARTICLE V
CLOSING

Closing Date

5.01. The Closing shall be held at the office of Longhorn Title Company on or before July 1, 2025, or at such time, date, and place as Seller and Purchaser may agree upon, or within 10 days after the completion of any title curative matters if necessary for items as shown on the Title Commitment or in the contract (which date is herein referred to as the "Closing Date").

Seller's Obligations at Closing

5.02. At the Closing Seller shall:

(1) Deliver to Purchaser a duly executed and acknowledged Deed conveying good and indefeasible title to Williamson County, Texas in fee simple to the right of way Property described in Exhibit "A", conveying such interest in and to the portion of the Property free and clear of any and all monetary liens and restrictions, except for the following:

(a) General real estate taxes for the year of closing and subsequent years not yet due and payable.

(b) Any exceptions approved by Purchaser pursuant to Article III hereof; and

(c) Any exceptions approved by Purchaser in writing.

(2) The Deed shall be in the form as shown in Exhibit "B" attached hereto and incorporated herein.

(3) Provide reasonable assistance as requested, at no cost to Seller, to cause the Title Company to deliver to Purchaser a Texas Owner's Title Policy at Purchaser's sole expense, in Grantee's favor in the full amount of the Purchase Price, insuring Purchaser's contracted interests in and to the permanent interests being conveyed in the Property subject only to those title exceptions listed herein, such other exceptions as may be approved in writing by Purchaser, and the standard printed exceptions contained in the usual form of Texas Owner's Title Policy, provided, however:

(a) The boundary and survey exceptions shall be deleted.

(b) The exception as to restrictive covenants shall be endorsed "None of Record", if applicable; and

(c) The exception as to the lien for taxes shall be limited to the year of closing and shall be endorsed "Not Yet Due and Payable".

(4) Deliver to Purchaser possession of the Property.

Purchaser's Obligations at Closing

5.03. At the Closing, Purchaser shall:

(a) Pay the cash portion of the Purchase Price.

Prorations

5.04. General real estate taxes for the then current year relating to the portion of the Property conveyed in fee shall be prorated as of the Closing Date and shall be adjusted in cash at the Closing but shall otherwise remain the obligation of Seller to satisfy. If the Closing shall occur before the tax rate is fixed for the then current year, the apportionment of taxes shall be upon the basis of the tax rate for the next preceding year applied to the latest assessed valuation. Agricultural roll-back taxes, if any, which directly result from this Contract and conveyance shall be paid by Purchaser.

Closing Costs

5.05. All costs and expenses of closing in consummating the sale and purchase of the Property shall be borne and paid as follows:

(1) Owner's Title Policy and survey to be paid by Purchaser.

(2) Deed, tax certificates, and title curative matters, if any, paid by Purchaser.

(3) All other closing costs shall be paid by Purchaser.

(4) Attorney's fees paid by each respectively.

ARTICLE VI
BREACH BY SELLER

In the event Seller shall fail to fully and timely perform any of its obligations hereunder or shall fail to consummate the sale of the Property for any reason, except Purchaser's default, Purchaser may: (1) enforce specific performance of this Contract; or (2) request that the Escrow Deposit, if any, shall be forthwith returned by the title company to Purchaser.

ARTICLE VII
BREACH BY PURCHASER

In the event Purchaser should fail to consummate the purchase of the Property, the conditions to Purchaser's obligations set forth in Article III having been satisfied and Purchaser being in default and Seller not being in default hereunder, Seller shall have the right to receive the Escrow Deposit, if any, from the title company, the sum being agreed on as liquidated damages for the failure of Purchaser to perform the duties, liabilities, and obligations imposed upon it by the terms and provisions of this Contract, and Seller agrees to accept and take this cash payment as its total damages and relief and as Seller's sole remedy hereunder in such event. If no Escrow Deposit has been made, then Seller shall receive the amount of $500 as liquidated damages for any failure by Purchaser.

ARTICLE VIII
MISCELLANEOUS

Notice

8.01. Any notice required or permitted to be delivered hereunder shall be deemed received when sent by United States mail, postage prepaid, certified mail, return receipt requested, addressed to Seller or Purchaser, as the case may be, at the address set forth opposite the signature of the party.

Texas Law to Apply

8.02. This Contract shall be construed under and in accordance with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Williamson County, Texas.

Parties Bound

8.03. This Contract shall be binding upon and inure to the benefit of the parties and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Contract.

Legal Construction

8.04. In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, this invalidity, illegality, or unenforceability shall not affect any other provision hereof, and this Contract shall be construed as if the invalid, illegal, or unenforceable provision had never been contained herein.

Prior Agreements Superseded

8.05. This Contract constitutes the sole and only agreement of the parties and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter.

Time of Essence

8.06. Time is of the essence in this Contract.

Gender

8.07. Words of any gender used in this Contract shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, and vice versa, unless the context requires otherwise.

Memorandum of Contract

8.08. Upon request of either party, the parties shall promptly execute a memorandum of this Contract suitable for filing of record.

Compliance

8.09 In accordance with the requirements of Section 20 of the Texas Real Estate License Act, Purchaser is hereby advised that it should be furnished with or obtain a policy of title insurance or Purchaser should have the abstract covering the Property examined by an attorney of Purchaser's own selection.

Effective Date

8.10 This Contract shall be effective as of the date it is approved by the Williamson County commissioners' court, which date is indicated beneath the County Judge's signature below.

Counterparts

8.11 This Contract may be executed in any number of counterparts, which may together constitute the Contract. Signatures transmitted by facsimile or electronic mail may be considered effective as originals for purposes of this Contract.

Contingent Possession and Use Agreement

8.12. Upon completion of (1) the full execution of this Contract by all parties, and (2) acknowledgment by the Title Company of delivery by Purchaser of the full Purchase Price to the

Title Company, Purchaser, its agents and contractors shall be permitted at any time after June 1, 2025 to enter and possess the Property prior to Closing for the purpose of completing any and all necessary testing, utility relocation and construction activities associated with the proposed roadway improvement construction project of Purchaser on the Property or other obligations of this Contract, and Seller agrees to make any gate access available to Purchaser, its contractors or utility facility owners as necessary to carry out the purposes of this paragraph. The parties further agree to continue to use diligence in assisting with any title curative measures or mortgage lien release required by the Contract to complete the Closing of the purchase transaction.

SELLERS:

JEFFREY GREGORY

REBECCA GREGORY

PURCHASER:

WILLIAMSON COUNTY, TEXAS

By: _____
Williamson County Judge

Address: 710 Main Street, Suite 101
Georgetown, Texas 78626

Date: _____

EXHIBIT "A"

PROPERTY DESCRIPTION FOR PARCEL 94

DESCRIPTION OF A 0.0515 ACRE (2,245 SQ. FT.) PARCEL OF LAND LOCATED IN THE SILAS PALMER SURVEY, SECTION NO. 12, ABSTRACT NO. 499, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF LOT 3, RICHFIELD ESTATES, RECORDED IN CABINET H, SLIDE 314, PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS (P.R.W.C.TX.), DESCRIBED IN A DEED TO JEFFREY GREGORY AND REBECCA GREGORY, RECORDED AUGUST 4, 2020, IN DOCUMENT NO. 2020088536, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS (O.P.R.W.C.TX.); SAID 0.0515 ACRE (2,245 SQ. FT.) PARCEL, AS SHOWN ON A PLAT PREPARED BY SAM, LLC, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING, at a 5/8-inch iron rod found 176.74 feet right of East Wilco Highway Engineer's Centerline Station (E.C.S.) 334+75.13 on the existing east right-of-way line of C.R. 101, a variable width right-of-way, no record information found, for the northwest corner of a called 1.0 acre tract, described in a deed to Lone Star Gas Company, recorded in Volume 473, Page 265, Deed Records of Williamson County, Texas (D.R.W.C.TX.);

THENCE, South 21°29'21" East, with the existing east right-of-way line of said C.R. 101 a distance of 413.40 feet to a 1/2-inch iron rod found on the proposed east right-of-way line of East Wilco Highway, for the northwest corner of Lot 1, of said Richfield Estates subdivision, described in a deed to Kenneth C. Kotrla and Donna M. Kotrla, recorded in Document No. 1996051983, Official Records of Williamson County, Texas (O.R.W.C.TX.), same being the southwest corner of a remainder of a called 57.66 acre tract, described in a deed to Kenneth C. Kotrla and Donna M. Kotrla, in Document No. 2013012639, O.P.R.W.C.TX.;

THENCE, North 68°18'55" East, departing the existing east right-of-way line of said C.R. 101, with the proposed east right-of-way line of said East Wilco Highway, same being the common line of said Lot 1 and said remainder of a called 57.66 acre tract, a distance of 8.36 feet to a 5/8-inch iron rod with an aluminum cap stamped "WILLIAMSON COUNTY" set** 185.00 feet right of East Wilco Highway E.C.S. 330+61.75;

THENCE, South 21°30'11" East, departing the common line of said Lot 1 and said remainder of a called 57.66 acre tract, continuing with the proposed east right-of-way line of East Wilco Highway, passing at a distance of 271.62 feet a 5/8-inch iron rod with an aluminum cap stamped "WILLIAMSON COUNTY" set 185.00 feet right of East Wilco Highway E.C.S. 327+90.13 on the common line of said Lot 1 and Lot 2, of said Richfield Estates subdivision, described in a deed to Elliot K. Gebbia, recorded in Document No. 2012091711, O.P.R.W.C.TX., and continuing for a total distance of 543.79 feet to a 5/8-inch iron rod with an aluminum cap stamped "WILLIAMSON COUNTY" set (Surface Coordinates: N=10,201,031.50, E=3,184,664.24) 185.00 feet right of East Wilco Highway E.C.S. 325+17.95 on the common line of said Lot 2 and said Lot 3, for the northeast corner and the **POINT OF BEGINNING** of the parcel described herein;

1) **THENCE, South 21°30'11" East**, departing the common line of said Lot 3 and said Lot 2, continuing with the proposed east right-of-way line of said East Wilco Highway, over and across said Lot 3, a distance of **263.48 feet** to a 5/8-inch iron rod with an aluminum cap stamped "WILLIAMSON COUNTY" set** 185.00 feet right of East Wilco Highway E.C.S. 322+54.47 on the common line of said Lot 3 and Lot 4, of said Richfield Estates subdivision, described in a deed to Katherine E. Cramer, recorded in Document No. 2017024471, for the southeast corner of the parcel described herein;

2) **THENCE, South 68°23'09" West**, departing the proposed east right-of-way line of said East Wilco Highway, with the common line of said Lot 3 and said Lot 4, a distance of **8.55 feet** to a 1/2-inch iron rod found on the existing east right-of-way line of said C.R. 101, for the northwest corner of said Lot 2, same being the southwest corner of said Lot 3 and the parcel described herein;

3) **THENCE, North 21°29'21" West**, departing the common line of said Lot 3 and said Lot 4, with the existing east right-of-way line of said C.R. 101, a distance of **263.48 feet** to a 1/2-inch iron rod with an aluminum cap stamped "RPLS 5025" found, for the southwest corner of said Lot 2, same being the northwest corner of said Lot 3 and the parcel described herein;

4) **THENCE, North 68°23'09" East**, departing the existing east right-of-way line of said C.R. 101, with the common line of said Lot 3 and said Lot 2, a distance of **8.49 feet** to the **POINT OF BEGINNING**, and containing 0.0515 acres (2,245 sq. ft.) of land.

This property description is accompanied by a separate plat of even date.

**Unable to set at the time of survey. 5/8" iron rod with an aluminum cap stamped "Williamson County" may be set upon completion of the road construction project under the supervision of a registered professional surveyor.

Bearing Basis:
All bearings shown are based on the Texas Coordinate System, Central Zone, NAD 83/2011. All distances shown are surface and may be converted to grid by dividing by a Surface Adjustment Factor of 1.00012. Units: U.S. Survey Feet.

THE STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF TRAVIS §

That I, Scott C. Brashear, a Registered Professional Land Surveyor, do hereby certify that the above description is true and correct to the best of my knowledge and belief and that the property described herein was determined by a survey made on the ground under my direction and supervision.

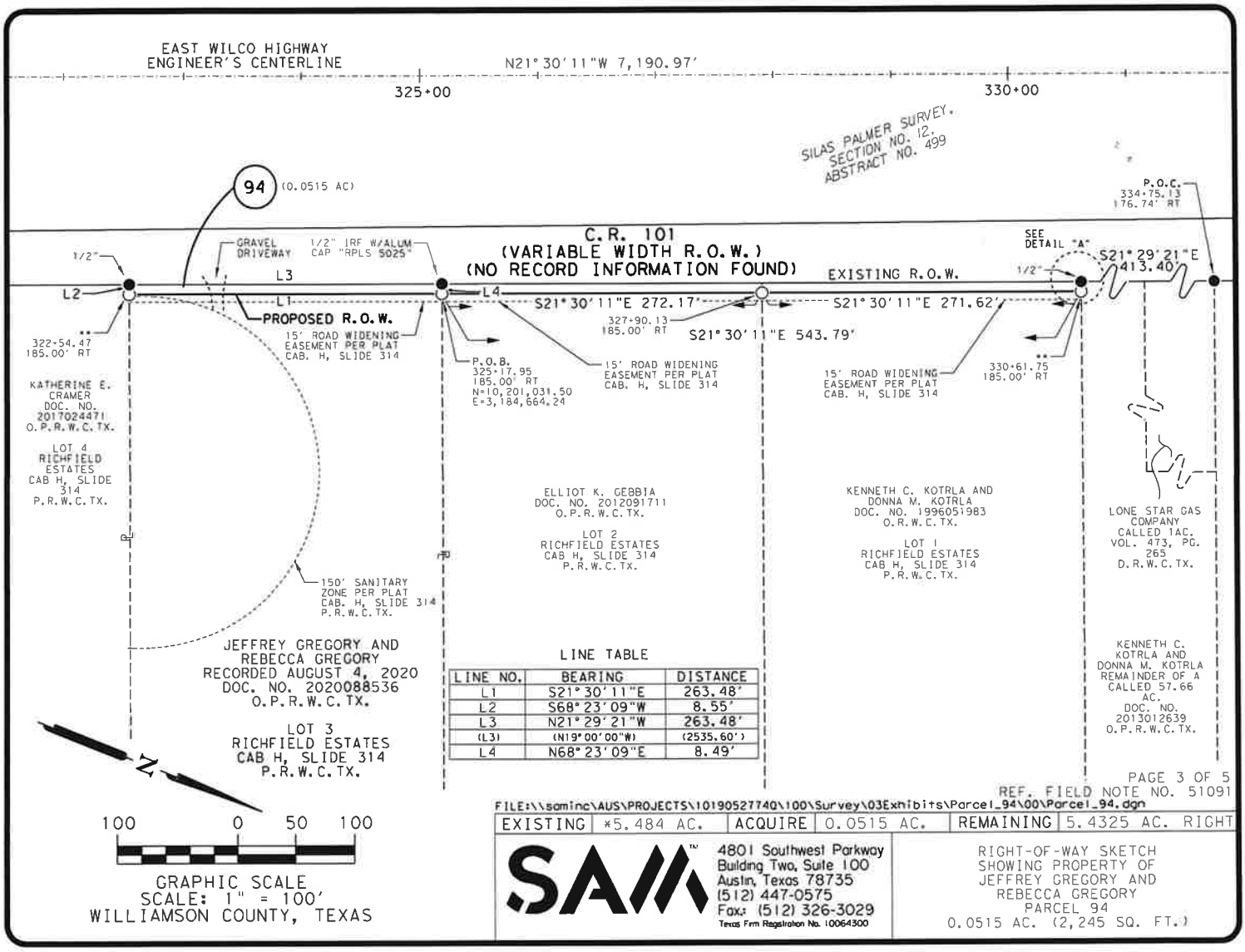
WITNESS MY HAND AND SEAL at Austin, Travis County, Texas, on the date shown below.

Scott C. Brashear 3/7/2025

Scott C. Brashear Date
Registered Professional Land Surveyor
No. 6660 – State of Texas

SURVEYING AND MAPPING, LLC
4801 Southwest Pkwy
Building Two, Suite 100
Austin, Texas 78735
TX. Firm No. 10064300





LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	S21° 30' 11"E	263.48'
L2	S68° 23' 09"W	8.55'
L3	N21° 29' 21"W	263.48'
(L3)	(N19° 00' 00"W)	(2535.60')
L4	N68° 23' 09"E	8.49'

REF. FIELD NOTE NO. 51091

FILE:\\saminc\AUS\PROJECTS\10190527740\100\Survey\03Exhibits\Parcel_94\00\Parcel_94.dgn

EXISTING	*5.484 AC.	ACQUIRE	0.0515 AC.	REMAINING	5.4325 AC. RIGHT

SAM™
4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
(512) 447-0575
Fax: (512) 326-3029
Texas Firm Registration No. 10064300

RIGHT-OF-WAY SKETCH
SHOWING PROPERTY OF
JEFFREY GREGORY AND
REBECCA GREGORY
PARCEL 94
0.0515 AC. (2,245 SQ. FT.)

SCHEDULE B:

THIS SURVEY HEREON WAS PREPARED IN CONJUNCTION WITH THAT COMMITMENT FOR TITLE INSURANCE GF NO. GT2503460, ISSUED BY TEXAN TITLE INSURANCE COMPANY, EFFECTIVE DATE JANUARY 21, 2025, AND ISSUED DATE JANUARY 30, 2025.

10. THE FOLLOWING MATTERS AND ALL TERMS OF THE DOCUMENTS CREATING OR OFFERING EVIDENCE OF THE MATTERS (WE MUST INSERT MATTERS OR DELETE THIS EXCEPTION.):

A. A 15 FOOT ROAD WIDENING EASEMENT ALONG COUNTY ROAD NO. 101, AS SHOWN ON THE PLAT AND DEDICATION OF SUBDIVISION RECORDED IN CABINET H, SLIDES 314-315, PLAT RECORDS, WILLIAMSON COUNTY, TEXAS. (DOES AFFECT THE SUBJECT PARCEL, AS SHOWN ON THE PLAT)

B. SANITARY ZONE AS SHOWN ON THE PLAT AND DEDICATION OF SUBDIVISION, RECORDED IN CABINET H, SLIDES 314-315, PLAT RECORDS, WILLIAMSON COUNTY, TEXAS. (DOES AFFECT THE SUBJECT PARCEL, AS SHOWN ON THE PLAT)

C. EASEMENT DATED JUNE 22, 1928, TO LONE STAR GAS COMPANY, RECORDED IN VOLUME 239, PAGE 20, DEED RECORDS, WILLIAMSON COUNTY, TEXAS. (BLANKET EASEMENT, UNABLE TO PLOT, MAY AFFECT THE SUBJECT PARCEL)

D. EASEMENT DATED JUNE 22, 1928, TO LONE STAR GAS COMPANY, RECORDED IN VOLUME 239, PAGE 21, DEED RECORDS, WILLIAMSON COUNTY, TEXAS. (UNABLE TO PLOT, MAY AFFECT THE SUBJECT PARCEL)

E. EASEMENT DATED DECEMBER 2, 1940, TO TEXAS POWER AND LIGHT COMPANY, RECORDED IN VOLUME 308, PAGE 74, DEED RECORDS, WILLIAMSON COUNTY, TEXAS. (UNABLE TO PLOT, MAY AFFECT THE SUBJECT PARCEL)

F. EASEMENT DATED SEPTEMBER 29, 1964, TO LONE STAR GAS COMPANY, RECORDED IN VOLUME 476, PAGE 232, DEED RECORDS, WILLIAMSON COUNTY, TEXAS. (DOES NOT AFFECT THE SUBJECT PARCEL, AND IS NOT SHOWN ON THE PLAT)

G. ALL LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF COAL, LIGNITE, OIL, GAS OR OTHER MINERALS, TOGETHER WITH ALL RIGHTS, PRIVILEGES, AND IMMUNITIES RELATING THERETO, APPEARING IN THE PUBLIC RECORDS WHETHER LISTED IN SCHEDULE B OR NOT. THERE MAY BE LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF MINERALS THAT ARE NOT LISTED. (NOT SURVEY RELATED)

H. ALL LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF THE GEOTHERMAL ENERGY AND ASSOCIATED RESOURCES BELOW THE SURFACE OF THE LAND, TOGETHER WITH ALL RIGHTS, PRIVILEGES, AND IMMUNITIES RELATING THERETO, APPEARING IN THE PUBLIC RECORDS WHETHER LISTED IN SCHEDULE B OR NOT. THERE MAY BE LEASES, GRANTS, EXCEPTIONS OR RESERVATIONS OF THE GEOTHERMAL ENERGY AND ASSOCIATED RESOURCES BELOW THE SURFACE OF THE LAND THAT ARE NOT LISTED. (NOT SURVEY RELATED)

I. ALL VISIBLE AND APPARENT EASEMENTS AND ALL UNDERGROUND EASEMENTS, THE EXISTENCE OF WHICH MAY ARISE BY UNRECORDED GRANT OR BY USE. (OWNER'S TITLE POLICY ONLY) (NOT SURVEY RELATED)

J. RIGHTS OF PARTIES IN POSSESSION. (OWNER'S TITLE POLICY ONLY) (NOT SURVEY RELATED)

K. "ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE SURVEY OF THE LAND." (NOTE: UPON RECEIPT OF A SURVEY ACCEPTABLE TO COMPANY, THIS EXCEPTION WILL BE DELETED. COMPANY RESERVES THE RIGHT TO ADD ADDITIONAL EXCEPTIONS PER ITS EXAMINATION OF SAID SURVEY) (NOT SURVEY RELATED)

REF. FIELD NOTE NO. 51091
FILE:\\saminc\AUS\PROJECTS\10190527740\100\Survey\03Exhibits\Parcel_94\00\Parcel_94.dgn

EXISTING	*5.484 AC.	ACQUIRE	0.0515 AC.	REMAINING	5.4325 AC. RIGHT

SAM™
4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
(512) 447-0575
Fax: (512) 326-3029
Texas Firm Registration No. 10064500

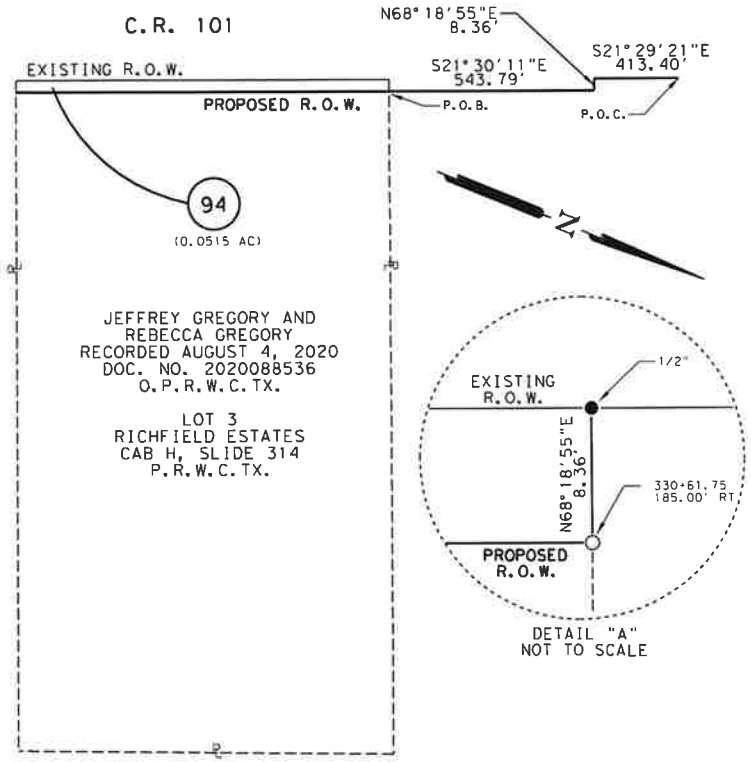
RIGHT-OF-WAY SKETCH
SHOWING PROPERTY OF
JEFFREY GREGORY AND
REBECCA GREGORY
PARCEL 94
0.0515 AC. (2,245 SQ. FT.)

LEGEND

○	5/8" IRON ROD SET WITH AN ALUMINUM CAP STAMPED "WILLIAMSON COUNTY"
⊕	MAG NAIL WITH SHINER STAMPED "SAM LLC"
■	TXDOT TYPE I CONCRETE MONUMENT FOUND
⊡	TXDOT TYPE II BRONZE DISK IN CONCRETE FOUND
●	5/8" IRON ROD FOUND (UNLESS NOTED)
◉	1/2" IRON PIPE FOUND (UNLESS NOTED)
⊜	COTTON SPINDLE FOUND
⊕	MAG NAIL FOUND (UNLESS NOTED)
✖	"X" SCRIBED IN CONCRETE FOUND
○	FENCE POST (TYPE NOTED)
△	CALCULATED POINT
℄	PROPERTY LINE
( )	RECORD INFORMATION
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCING
P.O.R.	POINT OF REFERENCE
N.T.S.	NOT TO SCALE
O.P.R.W.C.TX.	OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS
D.R.W.C.TX.	DEED RECORDS OF WILLIAMSON COUNTY, TEXAS
P.R.W.C.TX.	PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS
R.P.R.W.C.TX.	REAL PROPERTY RECORDS OF WILLIAMSON COUNTY, TEXAS
------	DISTANCE NOT TO SCALE
------	DEED LINE (COMMON OWNERSHIP)
------	PROPERTY LINE
------	ABSTRACT/SURVEY LINE
------	EASEMENT LINE
———	EXISTING RIGHT-OF-WAY
———	PARCEL LIMITS

STATE OF TEXAS
REGISTERED
SCOTT C. BRASHEAR
6660
PROFESSIONAL
LAND SURVEYOR

PARENT TRACT
NOT TO SCALE



DETAIL "A"
NOT TO SCALE

NOTES:

1. ALL BEARINGS SHOWN ARE BASED ON NAD83/2011 TEXAS COORDINATE SYSTEM, CENTRAL ZONE. ALL DISTANCES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A SURFACE ADJUSTMENT FACTOR OF 1.00012. ALL COORDINATES SHOWN ARE IN SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE SAME FACTOR. PROJECT UNITS ARE IN U.S. SURVEY FEET.
2. THIS SURVEY WAS COMPLETED WITH THE BENEFIT OF A TITLE REPORT, PROVIDED BY TEXAN TITLE INSURANCE COMPANY, GF NO. GT2503460, EFFECTIVE DATE JANUARY 21, 2025, AND ISSUED DATE JANUARY 30, 2025. THERE MAY BE EASEMENTS OR OTHER MATTERS, RECORDED OR UNRECORDED, THAT ARE NOT SHOWN.
3. THIS PLAT IS ACCOMPANIED BY A PROPERTY DESCRIPTION OF EVEN DATE.

* AREA CALCULATED BY SAM, LLC.

** UNABLE TO SET AT THE TIME OF SURVEY. 5/8" IRON ROD WITH AN ALUMINUM CAP STAMPED "WILLIAMSON COUNTY" MAY BE SET UPON COMPLETION OF THE ROAD CONSTRUCTION PROJECT UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR.

REF. FIELD NOTE NO. 51091

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND UNDER MY DIRECTION AND SUPERVISION AND THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Scott C. Brashear

SCOTT C. BRASHEAR
REGISTERED PROFESSIONAL LAND SURVEYOR
NO. 6660, STATE OF TEXAS

3/7/2025
DATE

FILE:\\saminc\AUS\PROJECTS\101905277Q\100\Survey\03Exhibits\Parcel_94\00\Parcel_94.dgn

EXISTING	*5.484 AC.	ACQUIRE	0.0515 AC.	REMAINING	5.4325 AC. RIGHT

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RIGHT-OF-WAY SKETCH
SHOWING PROPERTY OF
JEFFREY GREGORY AND
REBECCA GREGORY
PARCEL 94
0.0515 AC. (2,245 SQ. FT.)

DEED

East Wilco Highway – Segment 5

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

NOW, THEREFORE, KNOW ALL BY THESE PRESENTS:

That **JEFFREY GREGORY AND REBECCA GREGORY**, hereinafter referred to as Grantor, whether one or more, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to Grantor in hand paid by Williamson County, Texas, the receipt and sufficiency of which is hereby acknowledged, and for which no lien is retained, either expressed or implied, have this day Sold and by these presents do Grant, Bargain, Sell and Convey unto **WILLIAMSON COUNTY, TEXAS**, all that certain tract or parcel of land lying and being situated in the County of Williamson, State of Texas, along with any improvements thereon, being more particularly described as follows (the "Property")

PARCEL 94
DESCRIPTION OF A 0.0515 ACRE (2,245 SQ. FT.) PARCEL OF LAND LOCATED IN THE SILAS PALMER SURVEY, SECTION NO. 12, ABSTRACT NO. 499, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF LOT 3, RICHFIELD ESTATES, RECORDED IN CABINET H, SLIDE 314, PLAT RECORDS OF WILLIAMSON COUNTY, TEXAS (P.R.W.C.TX.), DESCRIBED IN A DEED TO JEFFREY GREGORY AND REBECCA GREGORY, RECORDED AUGUST 4, 2020, IN DOCUMENT NO. 2020088536, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS (O.P.R.W.C.TX.); SAID 0.0515 ACRE (2,245 SQ. FT.) PARCEL, AS SHOWN ON A PLAT PREPARED BY SAM, LLC, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS: SHOWN ON THE ATTACHED SKETCH EXHIBIT "A":

SAVE AND EXCEPT, HOWEVER, it is expressly understood and agreed that Grantor is retaining title to the following improvements located on the Property, to wit: NONE

RESERVATIONS FROM AND EXCEPTIONS TO CONVEYANCE AND WARRANTY:

Visible and apparent easements not appearing of record.

Any discrepancies, conflicts, or shortages in area or boundary lines or any encroachments or any overlapping of improvements which a current survey would show.

Easements, restrictions, reservations, covenants, conditions, oil and gas leases, mineral severances, and encumbrances for taxes and assessments (other than liens and conveyances) presently of record in the Official Public Records of Williamson County, Texas, that affect the property, but only to the extent that said items are still valid and in force and effect at this time.

Grantor reserves all of the oil, gas and other minerals in and under the land herein conveyed but waives all rights of ingress and egress to the surface thereof for the purpose of exploring, developing, mining or drilling or pumping the same; provided, however, that operations for exploration or recovery of any such minerals shall be permissible so long as all surface operations in connection therewith are located at a point outside the acquired parcel and upon the condition that none of such operations shall be conducted so near the surface of said land as to interfere with the intended use thereof or in any way interfere with, jeopardize, or endanger the facilities of Williamson County, Texas or create a hazard to the public users thereof; it being intended, however, that nothing in this reservation shall affect the title and the rights of Grantee to take and use without additional compensation any, stone, earth, gravel, caliche, iron ore, gravel or any other road building material upon, in and under said land for the construction and maintenance of East Wilco Highway, Segment 5.

TO HAVE AND TO HOLD the property herein described and herein conveyed together with all and singular the rights and appurtenances thereto in any wise belonging unto Williamson County, Texas and its assigns forever; and Grantor does hereby bind itself, its heirs, executors, administrators, successors and assigns to Warrant and Forever Defend all and singular the said premises herein conveyed unto Williamson County, Texas and its assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof.

This deed is being delivered in lieu of condemnation.

IN WITNESS WHEREOF, this instrument is executed on this the _____ day of _____, 2025.

[signature page follows]

GRANTOR:

_____

JEFFREY GREGORY

GRANTOR:

_____

REBECCA GREGORY

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on _____day of_____, 2025 by **JEFFREY GREGORY**, on behalf of said entity.

_____
Notary Public, State of Texas

This instrument was acknowledged before me on _____day of_____, 2025 by **REBECCA GREGORY**, on behalf of said entity.

_____
Notary Public, State of Texas

PREPARED IN THE OFFICE OF:
Sheets & Crossfield, P.L.L.C.
309 East Main
Round Rock, Texas 78664

GRANTEE'S MAILING ADDRESS:
Williamson County, Texas
Attn: County Auditor
710 Main Street, Suite 101
Georgetown, Texas 78626

AFTER RECORDING RETURN TO:
Sheets & Crossfield, P.L.L.C.
309 East Main
Round Rock, Texas 78664

Commissioners Court - Regular Session **51.**

Meeting Date: 06/10/2025

Seward Junction N Loop Real Estate Contract

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a real estate contract with Evelyn M. Shea, trustee of the Shea Revocable Living Trust dated April 7, 1995; Carrie Lynn Shea, Meghan Evelyn Shea, Matthew Edward Shea and McKinley Evan Shea to acquire 2.789 AC needed as right of way on the Seward Junction N. Loop project (Parcel 15). Funding Source: TANS P588

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

contract

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:03 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 05:12 PM
Final Approval Date: 06/05/2025		

REAL ESTATE CONTRACT
Seward Junction North Right of Way

THIS REAL ESTATE CONTRACT ("Contract") is made by and between **EVELYN M. SHEA, TRUSTEE OF THE SHEA REVOCABLE LIVING TRUST, dated April 7, 1995; Carrie Lynn Shea, Meghan Evelyn Shea, Matthew Edward Shea and McKinley Evan Shea** (referred to in this Contract as "Seller", whether one or more) and **WILLIAMSON COUNTY, TEXAS** (referred to in this Contract as "Purchaser"), upon the terms and conditions set forth in this Contract.

ARTICLE I
PURCHASE AND SALE

By this Contract, Seller sells and agrees to convey, and Purchaser purchases and agrees to pay for, the tract(s) of land described as follows:

> All of that certain 2.789-acre (121,468 square foot) tract of land, out of and situated in the B. Manlove Survey, Abstract No. 417, in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel 15);**

together with all and singular the rights and appurtenances pertaining to the property, including any right, title and interest of Seller in and to adjacent streets, alleys or rights-of-way (all of such real property, rights, and appurtenances being referred to in this Contract as the "Property"), and any improvements and fixtures situated on and attached to the Property described herein not otherwise retained by Seller, for the consideration and upon and subject to the terms, provisions, and conditions set forth below.

ARTICLE II
PURCHASE PRICE

Purchase Price

2.01. The Purchase Price for the fee simple Property, any improvements located upon the Property, and any damage to or cost of cure for the remaining property of Seller, shall be the sum of ONE MILLION NINE HUNDRED EIGHT THOUSAND and 00/100 Dollars ($1,908,000.00).

Payment of Purchase Price

2.03. The Purchase Price shall be payable in cash or other readily available funds at the Closing.

ARTICLE III
PURCHASER'S OBLIGATIONS

Conditions to Purchaser's Obligations

3.01. The obligations of Purchaser hereunder to consummate the transactions contemplated hereby are subject to the satisfaction of each of the following conditions (any of which may be waived in whole or in part by Purchaser at or prior to the Closing).

Miscellaneous Conditions

3.02. Seller shall have performed, observed, and complied with all of the covenants, agreements, and conditions required by this Contract to be performed, observed, and complied with by Seller prior to or as of the Closing.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF SELLER

4.01. Seller hereby represents and warrants to Purchaser as follows, which representations and warranties shall be deemed made by Seller to Purchaser also as of the Closing Date, to the best of Seller's knowledge:

(a) There are no parties in possession of any portion of the Property as lessees, tenants at sufferance, or trespassers, other than previously disclosed to Purchaser.

(b) Seller has complied with all applicable laws, ordinances, regulations, statutes, rules and restrictions relating to the Property, or any part thereof.

4.02. The Property is being conveyed to Purchaser under threat of condemnation.

ARTICLE V
CLOSING

Closing Date

5.01. The Closing shall be held at the office of Longhorn Title Company on or before June 30, 2025, or at such time, date, and place as Seller and Purchaser may agree upon, or within 10 days after the completion of any title curative matters if necessary for items as shown on the Title Commitment or in the contract (which date is herein referred to as the "Closing Date").

Seller's Obligations at Closing

5.02. At the Closing Seller shall:

(1) Deliver to Purchaser a duly executed and acknowledged Deed conveying good and indefeasible title to Williamson County, Texas in fee simple to the right of way Property described in Exhibit "A" and deliver to City of Georgetown. a duly executed and acknowledged waterline easement conveying such interest to all of the Property described in Exhibit "B"; free and clear of any and all monetary liens and restrictions, except for the following:

(a) General real estate taxes for the year of closing and subsequent years not yet due and payable.

(b) Any exceptions approved by Purchaser pursuant to Article III hereof; and

(c) Any exceptions approved by Purchaser in writing.

(2) The Deed shall be in the form as shown in Exhibit "B".

(3) Provide reasonable assistance as requested, at no cost to Seller, to cause the Title Company to deliver to Purchaser a Texas Owner's Title Policy at Purchaser's sole expense, in Grantee's favor in the full amount of the Purchase Price, insuring Purchaser's contracted interests in and to the permanent interests being conveyed in the Property subject only to those title exceptions listed herein, such other exceptions as may be approved in writing by Purchaser, and the standard printed exceptions contained in the usual form of Texas Owner's Title Policy, provided, however:

(a) The boundary and survey exceptions shall be deleted.

(b) The exception as to restrictive covenants shall be endorsed "None of Record", if applicable; and

(c) The exception as to the lien for taxes shall be limited to the year of closing and shall be endorsed "Not Yet Due and Payable".

(4) Deliver to Purchaser possession of the Property if not previously done.

Purchaser's Obligations at Closing

5.03. At the Closing, Purchaser shall:

(a) Pay the cash portion of the Purchase Price and Additional Compensation, if any.

Prorations

5.04. General real estate taxes for the current year relating to the portion of the Property conveyed in fee simple shall be prorated as of the Closing Date and shall be adjusted in cash at the Closing but shall otherwise remain the obligation of Seller to satisfy. If the Closing shall occur before the tax rate is fixed for the then current year, the apportionment of taxes shall be upon the basis of the tax rate for the next preceding year applied to the latest assessed valuation. Agricultural roll-back taxes, if any, which directly result from this Contract and conveyance shall be paid by Purchaser.

Closing Costs

5.05. All costs and expenses of closing in consummating the sale and purchase of the Property shall be borne and paid as follows:

(1) Owner's Title Policy and survey to be paid by Purchaser.

(2) Deed, tax certificates, and title curative matters, if any, paid by Purchaser.

(3) All other closing costs shall be paid by Purchaser.

(4) Attorney's fees paid by each respectively as incurred.

ARTICLE VI
BREACH BY SELLER

In the event Seller shall fail to fully and timely perform any of its obligations hereunder or shall fail to consummate the sale of the Property for any reason, except Purchaser's default, Purchaser may: (1) enforce specific performance of this Contract; or (2) request that the Escrow Deposit, if any, shall be forthwith returned by the title company to Purchaser.

ARTICLE VII
BREACH BY PURCHASER

In the event Purchaser should fail to consummate the purchase of the Property, the conditions to Purchaser's obligations set forth in Article III having been satisfied and Purchaser being in default and Seller not being in default hereunder, Seller shall have the right to receive the Escrow Deposit, if any, from the title company, the sum being agreed on as liquidated damages for the failure of Purchaser to perform the duties, liabilities, and obligations imposed upon it by the terms and provisions of this Contract, and Seller agrees to accept and take this cash payment as its total damages and relief and as Seller's sole remedy hereunder in such event. If no Escrow

Deposit has been made, then Seller shall receive the amount of $500 as liquidated damages for any failure by Purchaser.

ARTICLE VIII
MISCELLANEOUS

Notice

8.01. Any notice required or permitted to be delivered hereunder shall be deemed received when sent by United States mail, postage prepaid, certified mail, return receipt requested, addressed to Seller or Purchaser, as the case may be, at the address set forth opposite the signature of the party.

Texas Law to Apply

8.02. This Contract shall be construed under and in accordance with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Williamson County, Texas.

Parties Bound

8.03. This Contract shall be binding upon and inure to the benefit of the parties and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Contract.

Legal Construction

8.04. In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, this invalidity, illegality, or unenforceability shall not affect any other provision hereof, and this Contract shall be construed as if the invalid, illegal, or unenforceable provision had never been contained herein.

Prior Agreements Superseded

8.05. This Contract constitutes the sole and only agreement of the parties and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter.

Time of Essence

8.06. Time is of the essence in this Contract.

Gender

8.07. Words of any gender used in this Contract shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, and vice versa, unless the context requires otherwise.

Memorandum of Contract

8.08. Upon request of either party, the parties shall promptly execute a memorandum of this Contract suitable for filing of record.

Compliance

8.09 In accordance with the requirements of Section 20 of the Texas Real Estate License Act, Purchaser is hereby advised that it should be furnished with or obtain a policy of title insurance or Purchaser should have the abstract covering the Property examined by an attorney of Purchaser's own selection.

Effective Date

8.10 This Contract shall be effective as of the date it is approved by the Williamson County commissioners' court, which date is indicated beneath the County Judge's signature below.

Counterparts

8.11 This Contract may be executed in any number of counterparts, which may together constitute the Contract. Signatures transmitted by facsimile or electronic mail may be considered effective as originals for purposes of this Contract.

Contingent Possession and Use Agreement

8.12. Upon completion of (1) the full execution of this Contract by all parties, and (2) acknowledgment by the Title Company of delivery by Purchaser of the full Purchase Price to the Title Company, Purchaser, its agents and contractors shall be permitted at any time after May 31, 2025 to enter and possess the Property prior to Closing for the purpose of completing any and all necessary testing, utility relocation and construction activities associated with the proposed Seward Junction improvement construction project of Purchaser, and Seller agrees to make any gate access available to Purchaser, its contractors or utility facility owners as necessary to carry out the purposes of this paragraph. The parties further agree to continue to use diligence in assisting with any title curative measures or mortgage lien release required by the Contract to complete the Closing of the purchase transaction.

[signature pages follow]

SELLER:

EVELYN M. SHEA, TRUSTEE OF
THE SHEA REVOCABLE LIVING TRUST, dated April 7, 1995;

By: Evelyn M. Shea Address: 6154 Clarendon Ct

Name: Evelyn McCollum Shea Riverside CA 92506

Title: Trustee

Date: 5/22/25

SELLER:

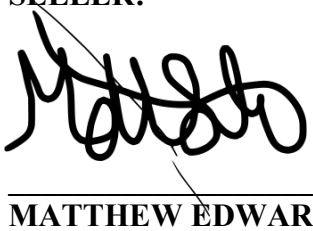


MEGHAN EVELYN RYAN
f/k/a
MEGHAN EVELYN SHEA

Address: 466 W. Deming Pl. #1
Chicago, IL 60614

Date: 5/29/25

SELLER:

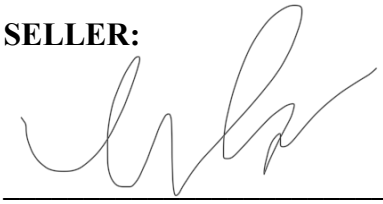


MATTHEW EDWARD SHEA

Date: 5/28/2025

Address: 400 E. South Water Street
Unit 502, Chicago, IL 60601

SELLER:



MCKINLEY EVAN SHEA

Address: ~~912 McKinley Ave, Mundelein~~, IL 60060

Date: 5/29/2025

PURCHASER:

WILLIAMSON COUNTY, TEXAS

By: _____

Name:_____
County Judge/Presiding Officer

Date: _____

Address: 710 Main Street, Suite 101
Georgetown, Texas 78626

EXHIBIT "A"

Parcel 15
2.789 Acre Right-of-Way
B Manlove Survey, Abstract No. 417
Williamson County, Texas

DESCRIPTION OF PARCEL 15

BEING a 2.789 acre (121,468 square foot) parcel of land out of the B. Manlove Survey, Abstract No. 417, Williamson County, Texas, being a portion of the remainder of that tract described as 36.39 acres conveyed to Evelyn M. Shea, Trustee of the Shea Revocable Living Trust by Quitclaim Deed dated April 7, 1995, as recorded in Volume 2722, Page 531, Official Records, Williamson County, Texas, and to the Estate of Edward John Shea, as recorded in Document No. 2018072291, Official Public Records, Williamson County, Texas; said 2.789 acre parcel of land being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2-inch iron rod with "McGray McGray" cap set in the proposed south right-of-way line of County Road 258 (CR 258), being in the west line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, and the east line of that tract described as 39.98 acres conveyed to Liberty Hill Independent School District by Special Warranty Deed, as recorded in Document No. 202188800, Official Public Records, Williamson County, Texas, said POINT OF BEGINNING, being 87.00 feet right of CR 258 Engineer's Baseline Station 159+35.34, and having Surface Coordinates of N=10,215,706.15, E=3,070,556.84, from which a 1/2-inch iron rod found in the west line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, and the east line of said 39.98 acre Liberty Hill Independent School District tract, bears South 19°18'52" East 812.88 feet, and from which a 1/2-inch iron rod found in the west line of said 36.39 acre Shea Revocable Living Trust et al. tract, and the east line of said 39.98 acre Liberty Hill Independent School District tract, bears South 18°34'50" East 44.21 feet;

1) THENCE, along the west line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, and the east line of said 39.98 acre Liberty Hill Independent School District tract, **North 19°18'52" West 95.13 feet** to a 1/2-inch iron rod with "Haynes Consulting" cap found at the northwest corner of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, the northeast corner of said 39.98 acre Liberty Hill Independent School District tract, and the southwest corner of that tract described as 0.249 of one acre conveyed to the Williamson County by Warranty Deed, as recorded in Document No. 2002100511, Official Public Records, Williamson County, Texas, and in the existing south right-of-way line of CR 258 (varying width right-of-way);

THENCE, along the north line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, the south line of said 0.249 of one acre Williamson County tract, and the existing south right-of-way line of CR 258, the following two (2) courses, numbered 2 and 3:

2) **North 62°41'35" East 291.92 feet** to a calculated point, and

3) with a curve to the right, whose delta angle is **06°15'29"**, radius is **2,704.26 feet**, an arc distance of **295.37 feet**, and the chord of which bears **North 65°49'20" East 295.23 feet** to a calculated point at the east corner of said 0.249 of one acre Williamson County tract;

4) THENCE, continuing along the north line of the remainder of said 36.39 acre Shea Revocable Living Trust el al. tract, and the existing south right-of-way line of CR 258, **North 68°57'36" East 465.26 feet** to a calculated point at the northeast corner of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, and the west corner of that tract described as 0.021 of one acre conveyed to Williamson County by Warranty Deed, as recorded in Document No. 2004094443, Official Public Records, Williamson County, Texas, being at the intersection of the existing south right-of-way line of CR 258 and the existing west right-of-way line of County Road 260 (CR 260, varying width right-of-way);

THENCE, along the east line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, the west line of said 0.021 of one acre Williamson County tract, and the existing west right-of-way line of CR 260, the following two (2) courses, numbered 5 and 6:

5) **South 67°20'58" East 28.92 feet** to a 1/2-inch iron rod with "Hayne Consulting" cap found, and

6) **South 23°39’01” East 100.29 feet** to a calculated point at the south corner of said 0.021 of one acre Williamson County tract;

THENCE, continuing along the east line of the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, and the existing west right-of-way line of CR 260, the following four (4) courses, numbered 7 through 10:

7) **South 17°54’26” East 398.14 feet** to a calculated point,

8) **South 15°05’33” East 362.46 feet** to a calculated point,

9) **South 17°58’33” East 400.57 feet** to a calculated point, and

10) **South 24°30’33” East 186.41 feet** to a 1/2-inch iron rod with “McGray McGray” cap set in the proposed west right-of-way line of CR 260, being 90.00 feet right of CR 260 Engineer’s Baseline Station 241+51.50;

THENCE, along the proposed west right-of-way line of CR 260, crossing the remainder of said 36.39 acre Shea Revocable Living Trust et al. tract, the following six (6) courses, numbered 11 through 16:

11) **North 28°16’25” West 118.83 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 90.00 feet right of CR 260 Engineer’s Baseline Station 240+32.67,

12) with a curve to the right, whose delta angle is **16°10’03”**, radius is **2,090.00 feet**, an arc distance of **589.75 feet**, and the chord of which bears **North 20°11’23” West 587.80 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 90.00 feet right of CR 260 Engineer’s Baseline Station 234+68.31,

13) **North 12°06’22” West 164.01 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 90.00 feet right of CR 260 Engineer’s Baseline Station 233+04.30,

14) with a curve to the left, whose delta angle is **07°20’01”**, radius is **1,910.03 feet**, an arc distance of **244.48 feet**, and the chord of which bears **North 15°46’22” West 244.31 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 90.00 feet right of CR 260 Engineer’s Baseline Station 230+48.30,

15) **North 19°26’23” West 170.21 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 90.00 feet right of CR 260 Engineer’s Baseline Station 228+78.09, and

16) **North 57°11’29” West 110.16 feet** to a 1/2-inch iron rod with “McGray McGray” cap set in the proposed south right-of-way line of CR 258, being 157.44 feet right of CR 260 Engineer’s Baseline Station 227+90.99, and 87.00 feet right of CR 258 Engineer's Baseline Station 169+40.14;

THENCE, along the proposed south right-of-way line of CR 258, crossing the remainder of said 36.39 acre Shea Revocable Living Trust tract, the following seven (7) course, numbered 17 through 23:

17) **South 70°33’37” West 171.57 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 87.00 feet right of CR 258 Engineer’s Baseline Station 167+68.57,

18) **South 77°24’11” West 100.72 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 75.00 feet right of CR 258 Engineer’s Baseline Station 166+68.57,

19) **South 70°33’37” West 9.92 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 75.00 feet right of CR 258 Engineer’s Baseline Station 163+97.36,

20) with a curve to the left, whose delta angle is **07°29’07”**, radius is **1,925.00 feet**, an arc distance of **251.49 feet**, and the chord of which bears **South 66°49’03” West 251.31 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 75.00 feet right of CR 258 Engineer’s Baseline Station 163.97.36,

21) **South 63°04’30” West 450.78 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 75.00 feet right of CR 258 Engineer’s Baseline Station 159+46.58,

22) **South 19°41’28” East 12.10 feet** to a 1/2-inch iron rod with “McGray McGray” cap set, being 87.00 feet right of CR 258 Engineer’s Baseline Station 159+45.06, and

23) **South 63°04'30" West 9.72 feet** to the POINT OF BEGINNING and containing 2.789 acres (121,468 square feet) of land within these metes and bounds.

Bearing Basis Note

The bearings described herein are based on the Texas Coordinate System, South Central Zone (4204), NAD83 (2011) EPOCH 2010.00. The coordinates shown are surface coordinates.

SURVEYED BY:

McGRAY & McGRAY LAND SURVEYORS, INC.
3301 Hancock Dr., Ste. 6
Austin, TX 78731 (512) 451-8591
TBPELS Survey Firm# 10095500



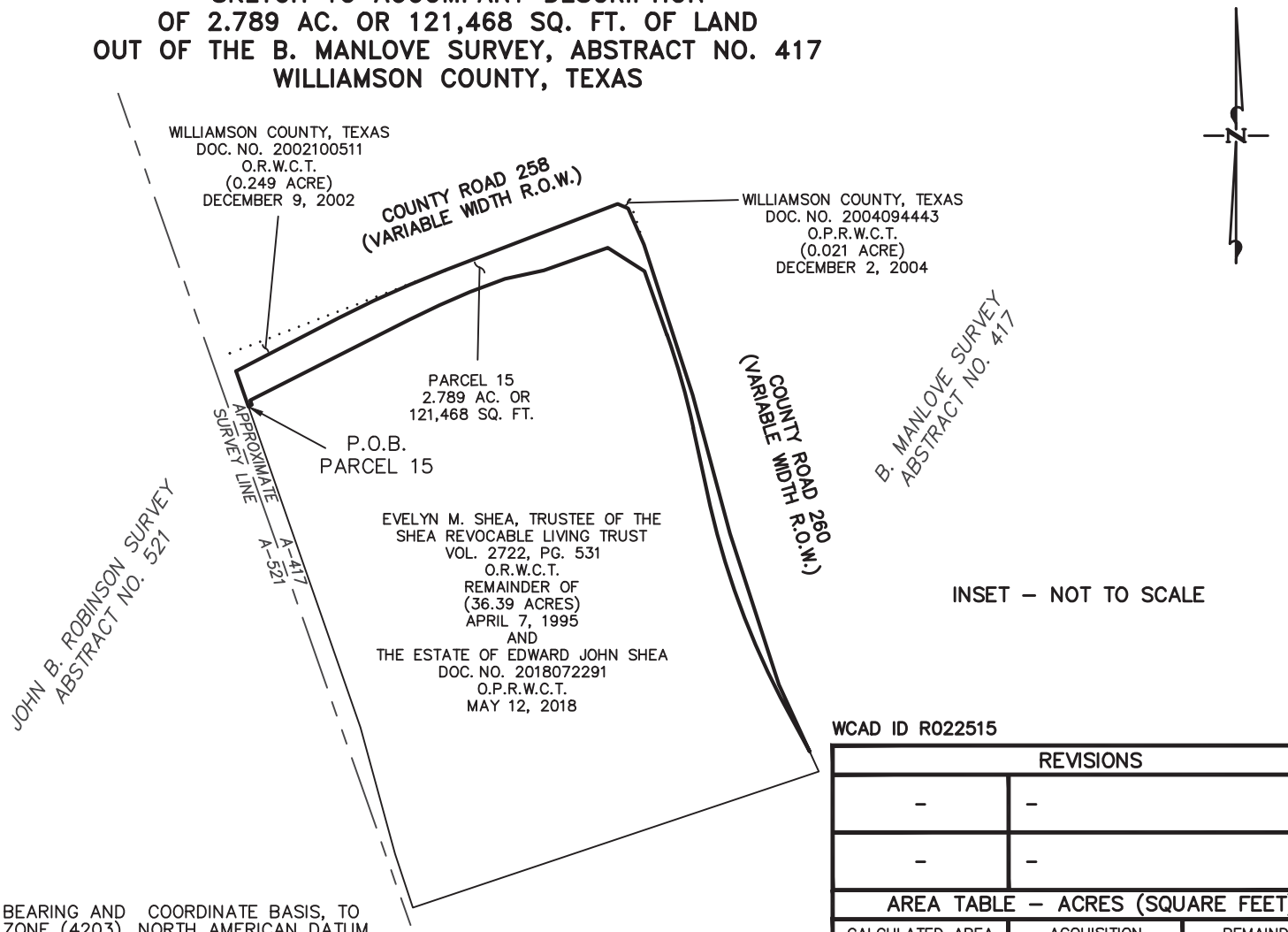
09/17/2024

Chris Conrad, Reg. Professional Land Surveyor No. 5623 Date

Note: There is a plat to accompany this description.
M:\LJA~23-086~Seward Junction Loop\Description\Parcel 15~2.789 Ac
Issued 08/23/2024

WCAD ID R022515

SKETCH TO ACCOMPANY DESCRIPTION
OF 2.789 AC. OR 121,468 SQ. FT. OF LAND
OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417
WILLIAMSON COUNTY, TEXAS



INSET – NOT TO SCALE

LEGEND

◎	1/2" IRON ROD CAP STAMPED "HAYNE CONSULTING" FOUND (UNLESS NOTED)
●	1/2" IRON ROD FOUND
◎	1/2" IRON ROD WITH CAP STAMPED "MCGRAY MCGRAY"
△	CALCULATED POINT
O.P.R.W.C.T.	OFFICIAL PUBLIC RECORDS WILLIAMSON COUNTY, TEXAS
P.R.W.C.T.	PLAT RECORDS WILLIAMSON COUNTY, TEXAS
P.O.B.	POINT OF BEGINNING
℄	PROPERTY LINE
R.O.W.	RIGHT OF WAY
P.U.E.	PUBLIC UTILITY EASEMENT
(.....)	RECORD INFORMATION
R.O.W.	RIGHT OF WAY
N.T.S.	NOT TO SCALE
—/\—	DISTANCE NOT TO SCALE

NOTES:
1. THIS PROJECT IS REFERENCED, FOR ALL BEARING AND COORDINATE BASIS, TO THE TEXAS COORDINATE SYSTEM, CENTRAL ZONE (4203), NORTH AMERICAN DATUM OF 1983 (2011) EPOCH 2010.00. COORDINATES SHOWN HEREON ARE GRID COORDINATES.
2. THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND WOULD BE SUBJECT TO ANY AND ALL EASEMENTS, CONDITIONS OR RESTRICTIONS THAT A CURRENT TITLE COMMITMENT MAY DISCLOSE.

I, HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THE PROPERTY SHOWN HEREIN WAS DETERMINED BY A SURVEY MADE ON THE GROUND UNDER DIRECTION AND SUPERVISION.

STATE OF TEXAS
REGISTERED
CHRIS CONRAD
5623
PROFESSIONAL
LAND SURVEYOR

09/17/24

CHRIS CONRAD, REG. PROF. LAND SURVEYOR NO. 5623 DATE

Note: There is a description to accompany this plat.

WCAD ID R022515

REVISIONS	
–	–
–	–

AREA TABLE – ACRES (SQUARE FEET)

CALCULATED AREA	ACQUISITION	REMAINDER
36.141 AC. (1,574,302 SF.)	2.789 AC. (121,468 SF.)	33.352 AC. (1,452,834 SF.)

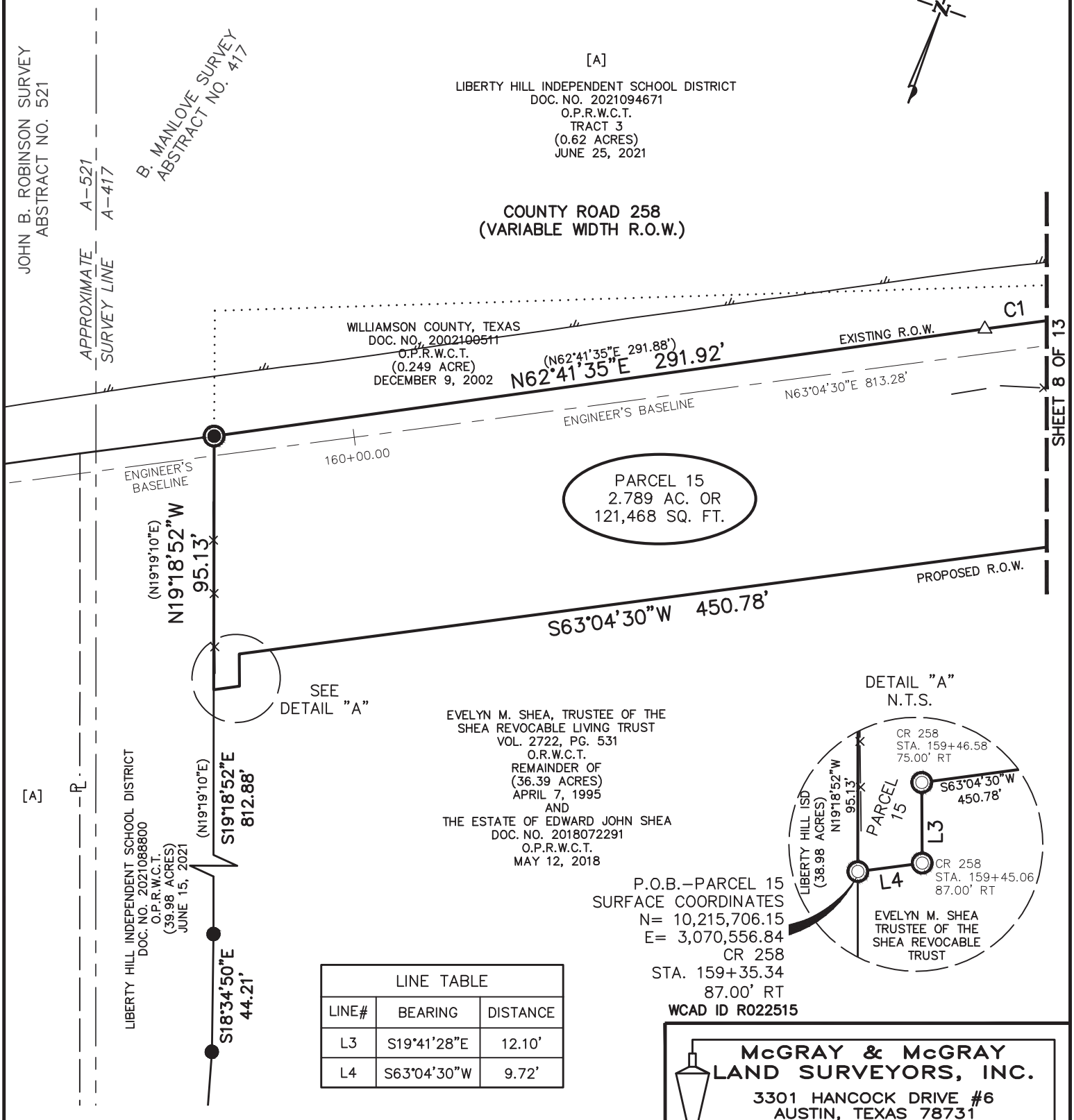
McGRAY & McGRAY
LAND SURVEYORS, INC.
3301 HANCOCK DRIVE #6
AUSTIN, TEXAS 78731
MCGRAY.COM (512) 451-8591
TBPELS SURVEY FIRM #10095500

SCALE:	N.T.S.		–
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	–
FIELD BOOK:	–	SHEET:	6 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

SCALE 1" = 50'



LINE TABLE		
LINE#	BEARING	DISTANCE
L3	S19°41'28"E	12.10'
L4	S63°04'30"W	9.72'

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C1	295.37'	2,704.26'	06°15'29"	N65°49'20"E	295.23'

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SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	7 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

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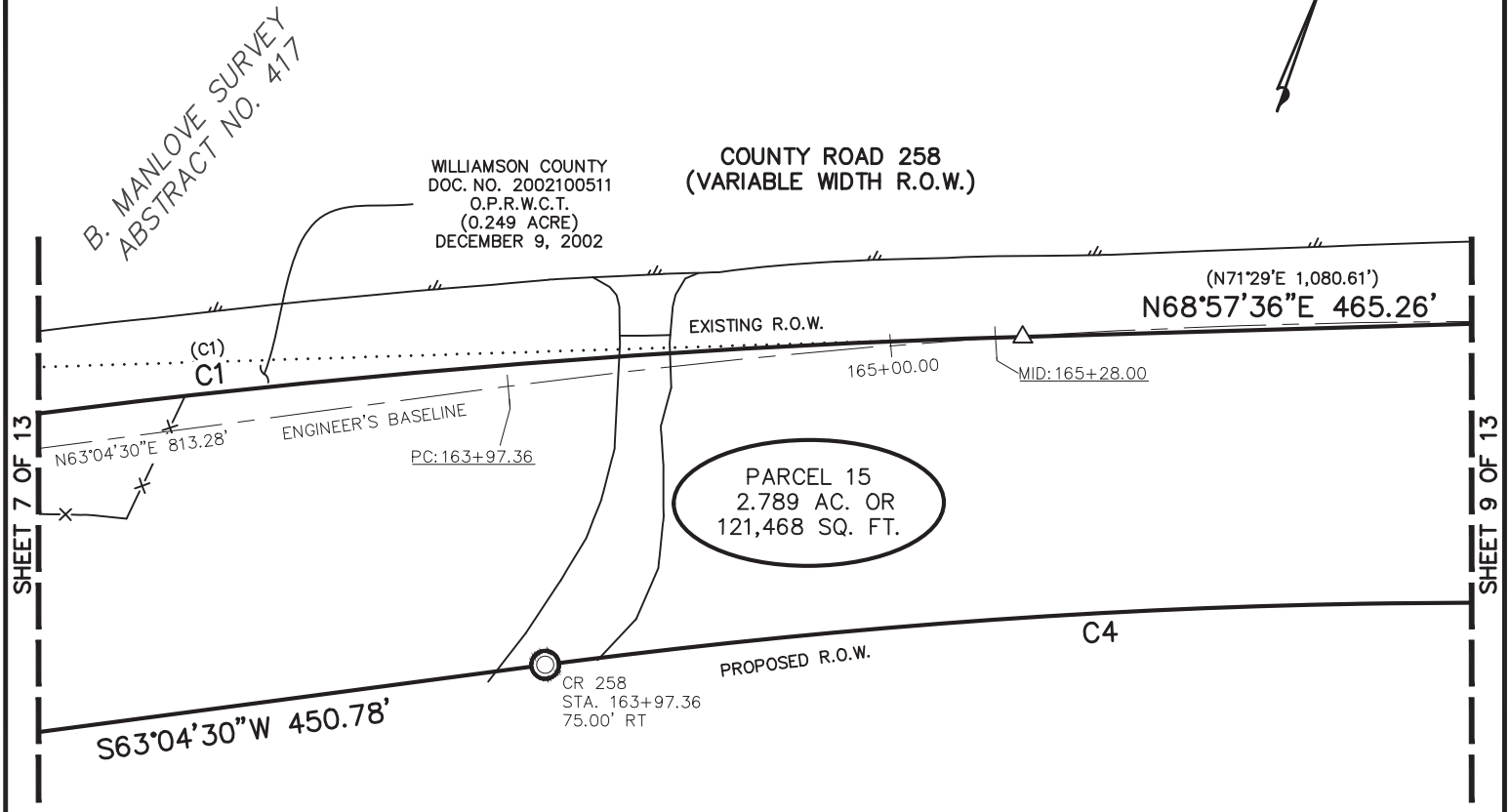


EVELYN M. SHEA, TRUSTEE OF THE
SHEA REVOCABLE LIVING TRUST
VOL. 2722, PG. 531
O.R.W.C.T.
REMAINDER OF
(36.39 ACRES)
APRIL 7, 1995
AND
THE ESTATE OF EDWARD JOHN SHEA
DOC. NO. 2018072291
O.P.R.W.C.T.
MAY 12, 2018

ENGINEER'S BASELINE US258 CURVE DATA
PI NORTHING = 10,216,048.25
PI EASTING = 3,071,047.71
PI STATION = 165+28.00
DELTA = 07° 29' 07" (RT)
DEGREE OF CURVE = 02° 51' 53"
TANGENT = 130.83'
LENGTH = 261.29'
RADIUS = 2,000.00'
CHORD BEARING = N 66° 49' 03" E
CHORD = 261.10'
PC STATION = 163+97.36
PT STATION = 166+58.64

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C1	295.37'	2,704.26'	06°15'29"	N65°49'20"E	295.23'
C4	251.49'	1,925.00'	07°29'07"	S66°49'03"W	251.31'

RECORD CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
(C1)	295.34'	2,703.94'	06°15'29"	N65°49'20"E	295.19'

WCAD ID R022515

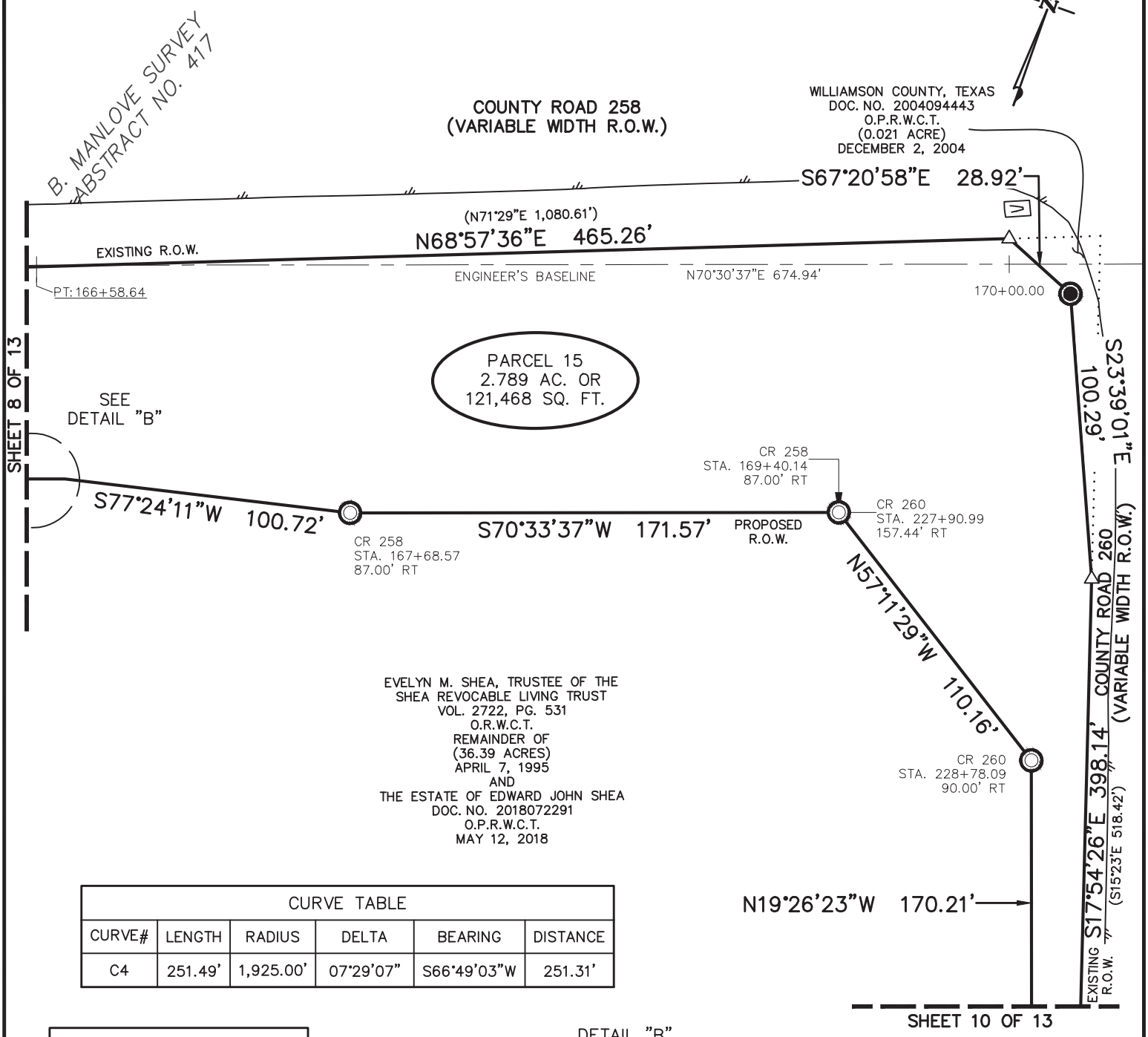
McGRAY & McGRAY
LAND SURVEYORS, INC.
3301 HANCOCK DRIVE #6
AUSTIN, TEXAS 78731
MCGRAY.COM (512) 451-8591
TBPELS SURVEY FIRM #10095500

SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	8 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

SCALE 1" = 50'

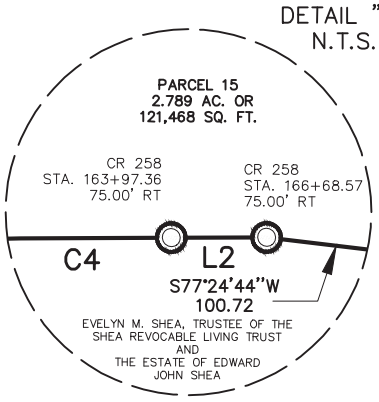


EVELYN M. SHEA, TRUSTEE OF THE SHEA REVOCABLE LIVING TRUST
VOL. 2722, PG. 531
O.R.W.C.T.
REMAINDER OF
(36.39 ACRES)
APRIL 7, 1995
AND
THE ESTATE OF EDWARD JOHN SHEA
DOC. NO. 2018072291
O.P.R.W.C.T.
MAY 12, 2018

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C4	251.49'	1,925.00'	07°29'07"	S66°49'03"W	251.31'

LINE TABLE		
LINE#	BEARING	DISTANCE
L2	S70°33'37"W	9.92'

DETAIL "B" N.T.S.



WCAD ID R022515

McGRAY & McGRAY LAND SURVEYORS, INC.
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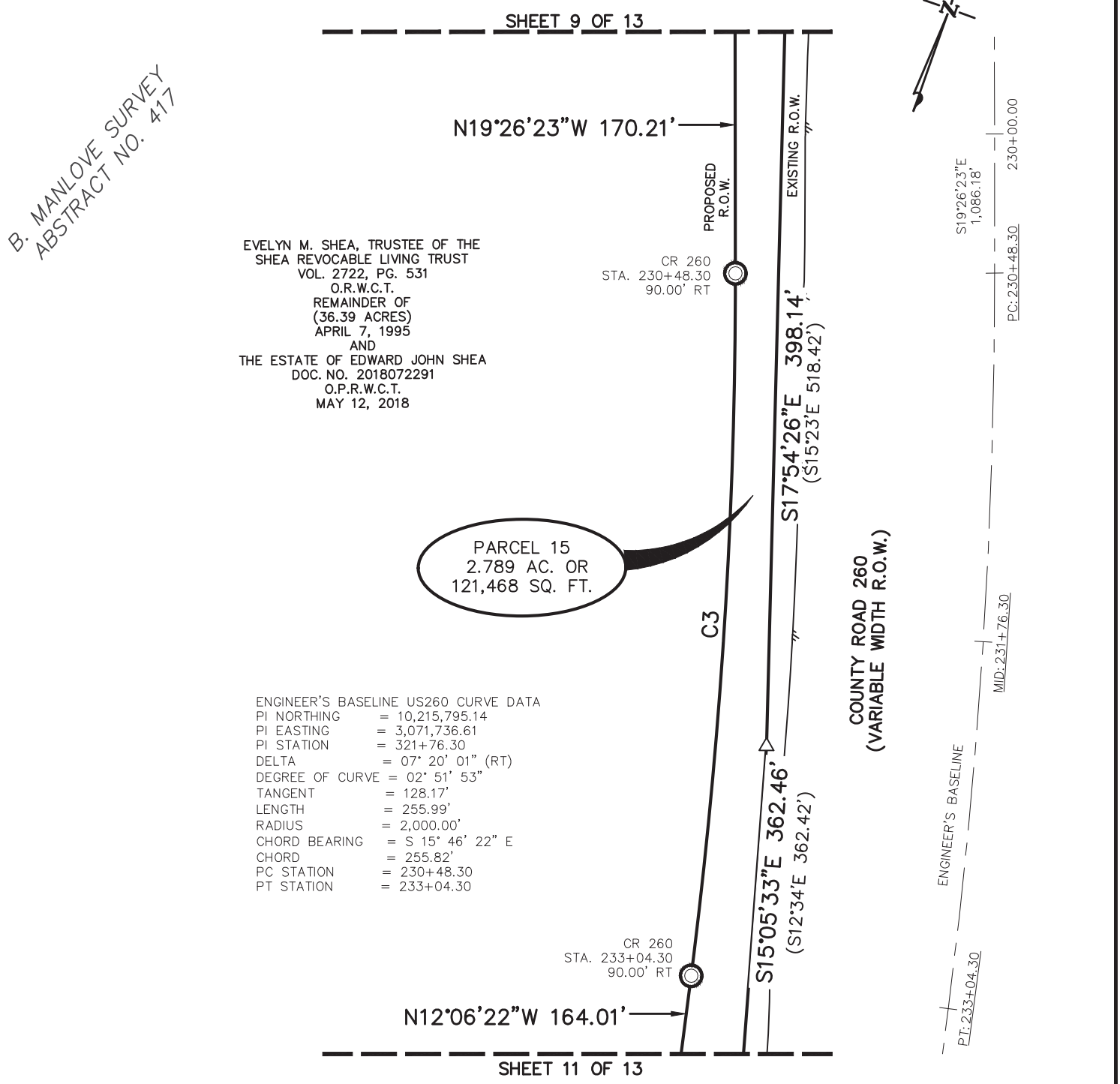
AUSTIN, TEXAS 78731
MCGRAY.COM (512) 451-8591
TBPELS SURVEY FIRM #10095500

SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	9 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

SCALE 1" = 50'



CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C3	244.48'	1,910.03'	07°20'01"	N15°46'22"W	244.31'

WCAD ID R022515

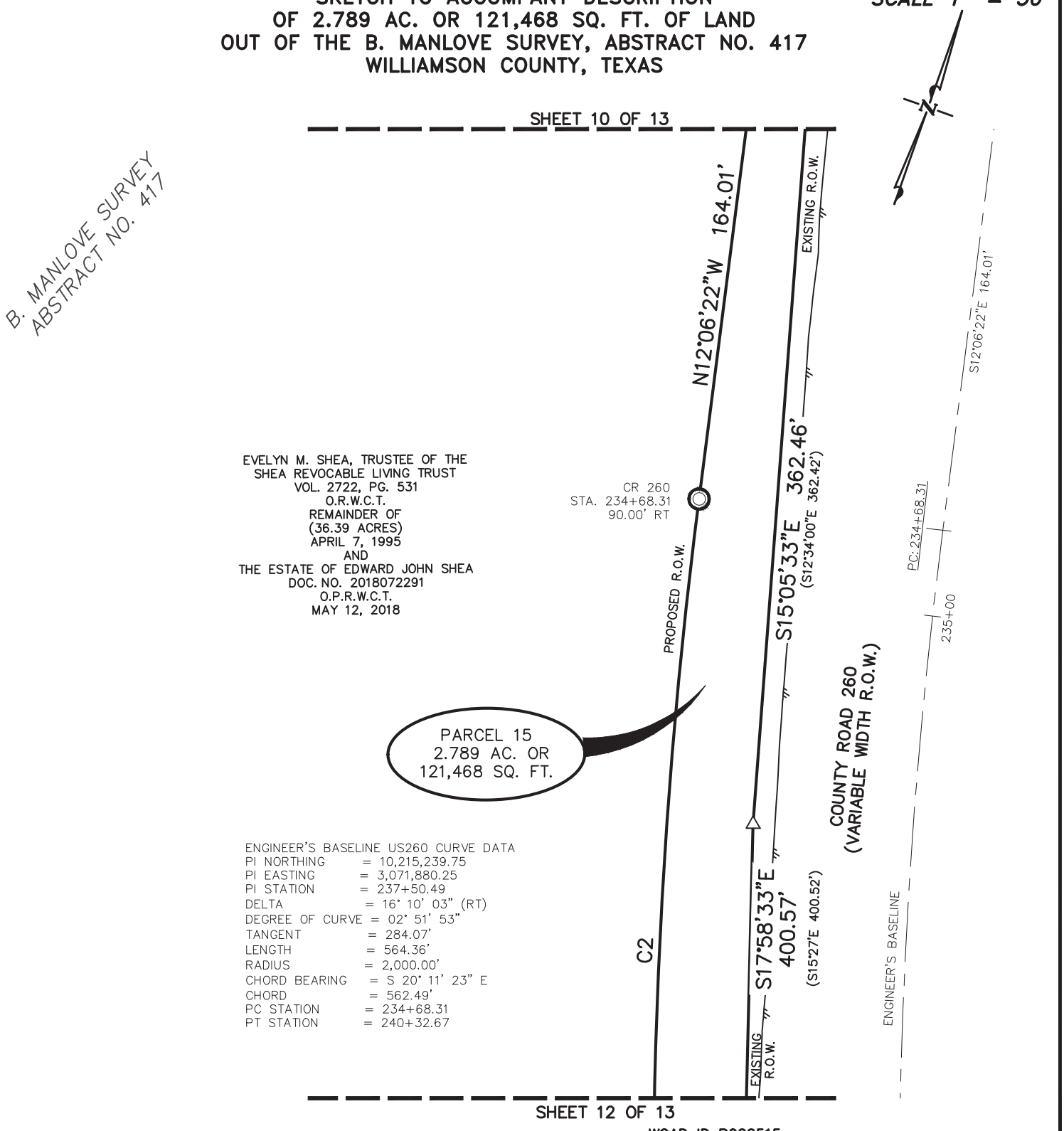
McGRAY & McGRAY LAND SURVEYORS, INC.
3301 HANCOCK DRIVE #6
AUSTIN, TEXAS 78731
MCGRAY.COM (512) 451-8591
TBPELS SURVEY FIRM #10095500

SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	10 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

SCALE 1" = 50'



WCAD ID R022515

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C2	589.75'	2,090.00'	16°10'03"	N20°11'23"W	587.80'

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3301 HANCOCK DRIVE #6
AUSTIN, TEXAS 78731
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TBPELS SURVEY FIRM #10095500

SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	11 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

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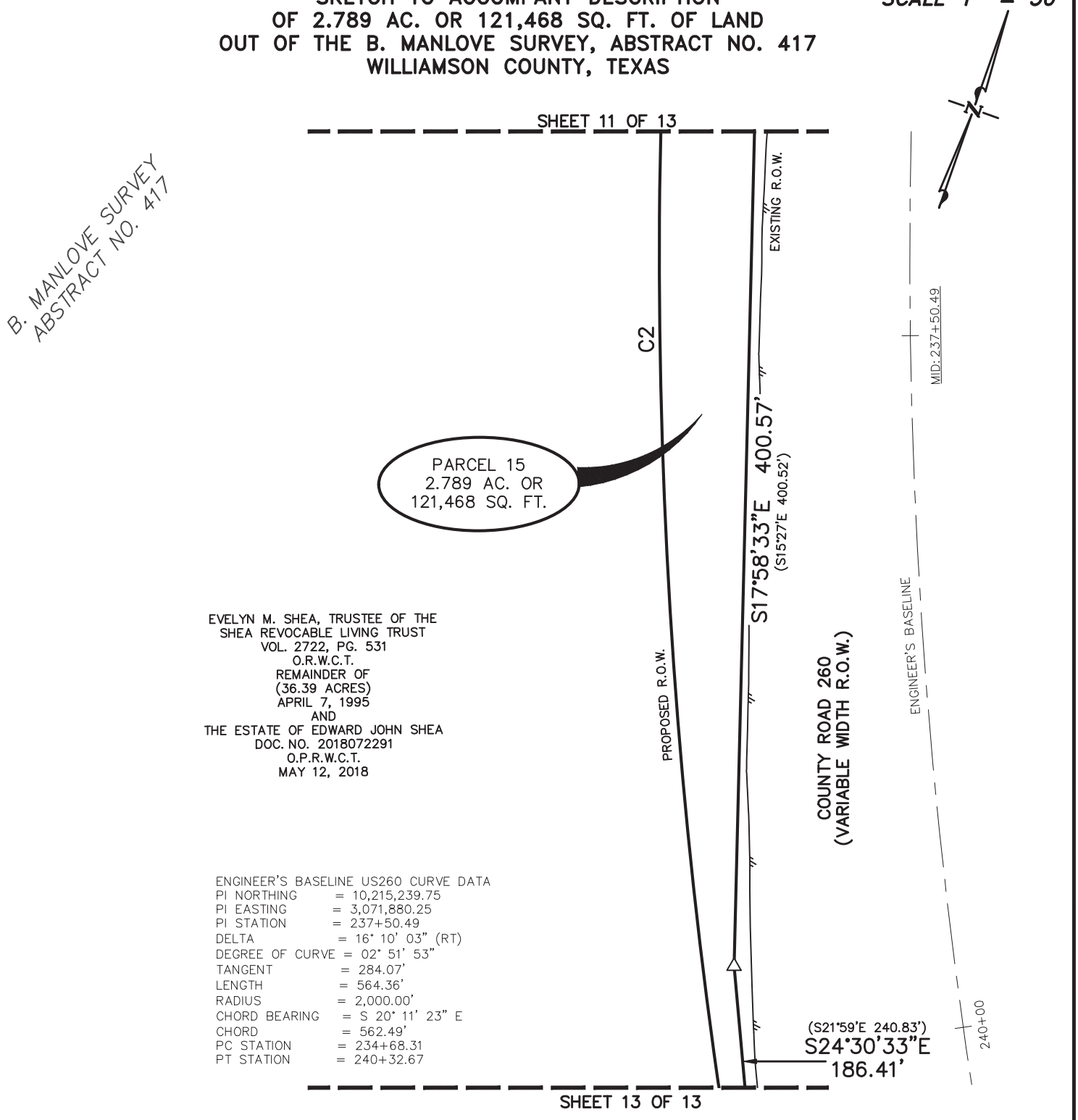

ENGINEER'S BASELINE US260 CURVE DATA
PI NORTHING = 10,215,239.75
PI EASTING = 3,071,880.25
PI STATION = 237+50.49
DELTA = 16° 10' 03" (RT)
DEGREE OF CURVE = 02° 51' 53"
TANGENT = 284.07'
LENGTH = 564.36'
RADIUS = 2,000.00'
CHORD BEARING = S 20° 11' 23" E
CHORD = 562.49'
PC STATION = 234+68.31
PT STATION = 240+32.67

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C2	589.75'	2,090.00'	16°10'03"	N20°11'23"W	587.80'

WCAD ID R022515

McGRAY & McGRAY
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MCGRAY.COM (512) 451-8591
TBPELS SURVEY FIRM #10095500

SCALE:	1" = 50'		-
DATE:	09/17/24	TECH:	MM
PROJECT:	23-086	FIELD:	-
FIELD BOOK:	-	SHEET:	12 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

SKETCH TO ACCOMPANY DESCRIPTION OF 2.789 AC. OR 121,468 SQ. FT. OF LAND OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417 WILLIAMSON COUNTY, TEXAS

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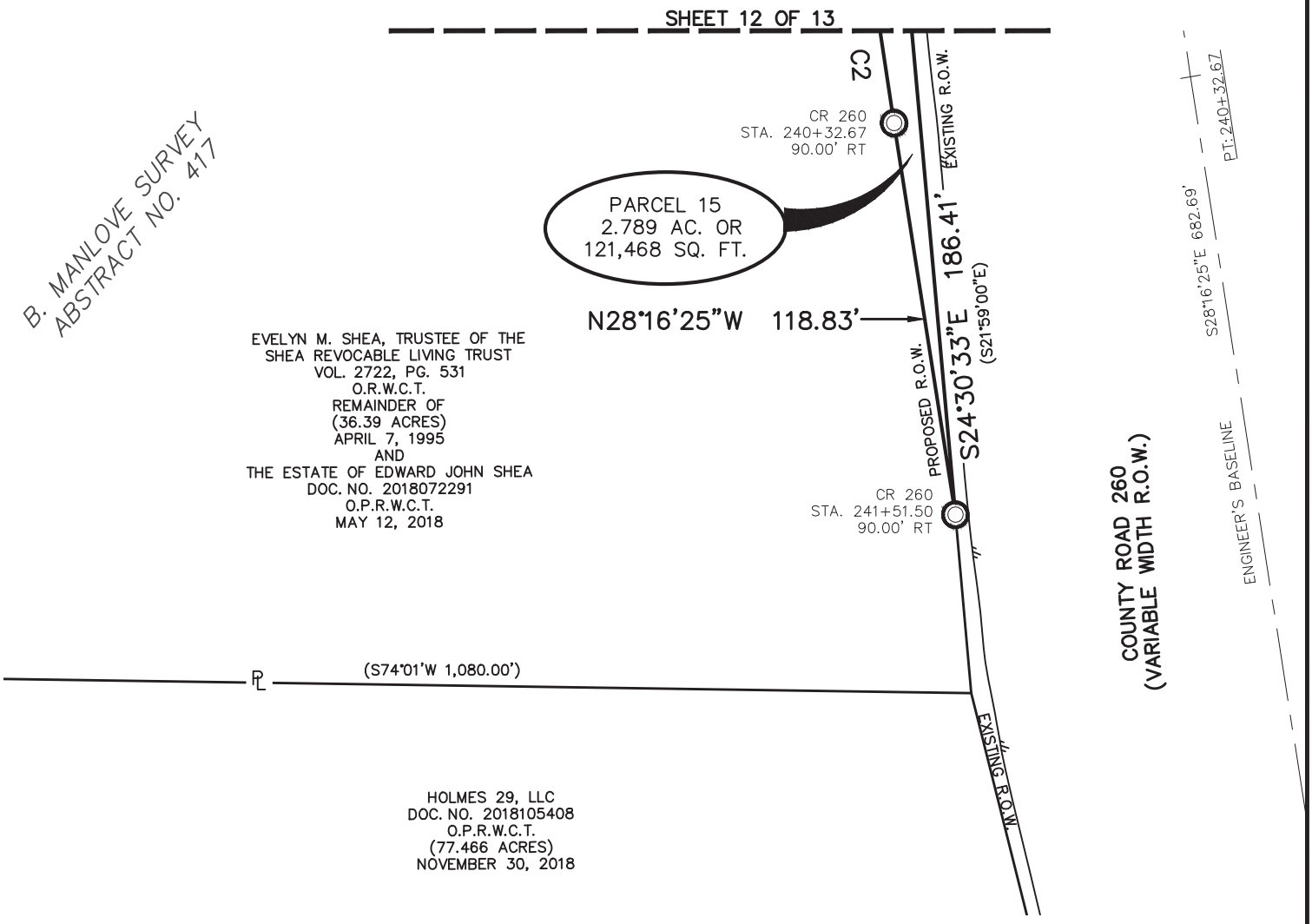

CURVE TABLE					
CURVE#	LENGTH	RADIUS	DELTA	BEARING	DISTANCE
C2	589.75'	2,090.00'	16°10'03"	N20°11'23"W	587.80'

WCAD ID R022515

McGRAY & McGRAY
LAND SURVEYORS, INC.
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PROJECT:	23-086	FIELD:	–
FIELD BOOK:	–	SHEET:	13 OF 13

M:\LJA~23-086~Seward Junction Loop\Dwg\Parcels\PROW 15~SHEA REVOCABLE TRUST\PROW~SHEA REVOCABLE TRUST.dwg

EXHIBIT "B"

Parcel 15

SPECIAL WARRANTY DEED
Seward Junction North Right of Way

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

NOW, THEREFORE, KNOW ALL BY THESE PRESENTS:

That **EVELYN M. SHEA, TRUSTEE OF THE SHEA REVOCABLE LIVING TRUST, dated April 7, 1995, CARRIE LYNN SHEA, MEGAN EVELYN SHEA, MATTHEW EDWARD SHEA AND MCKINLEY EVAN SHEA** hereinafter referred to as Grantor, whether one or more, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to Grantor in hand paid by Williamson County, Texas, the receipt and sufficiency of which is hereby acknowledged, and for which no lien is retained, either expressed or implied, have this day Sold and by these presents do Grant, Bargain, Sell and Convey unto **WILLIAMSON COUNTY, TEXAS**, all that certain tract(s) or parcel(s) of land lying and being situated in the County of Williamson, State of Texas, along with any improvements thereon, being more particularly described as follows (the "Property"):

> All of that certain 2.789-acre (121,468 square foot) tract of land, out of and situated in the B. Manlove Survey, Abstract No. 417, in Williamson County, Texas; being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel 15);**

SAVE AND EXCEPT, HOWEVER, it is expressly understood and agreed that Grantor is retaining title to the following improvements located on the Property, to wit: NONE

RESERVATIONS FROM AND EXCEPTIONS TO CONVEYANCE AND WARRANTY:

Visible and apparent easements not appearing of record.

Any discrepancies, conflicts, or shortages in area or boundary lines or any encroachments or any overlapping of improvements which a current survey would show.

Easements, restrictions, reservations, covenants, conditions, oil and gas leases, mineral severances, and encumbrances for taxes and assessments (other than liens and conveyances) presently of record in the Official Public Records of Williamson County, Texas, that affect the property, but only to the extent that said items are still valid and in force and effect at this time.

Grantor reserves all of the oil, gas and other minerals in and under the land herein conveyed but waives all rights of ingress and egress to the surface thereof for the purpose of exploring, developing, mining or drilling or pumping the same; provided, however, that operations for exploration or recovery of any such minerals shall be permissible so long as all surface operations in connection therewith are located at a point outside the acquired parcel and upon the condition that none of such operations shall be conducted so near the surface of said land as to interfere with the intended use thereof or in any way interfere with, jeopardize, or endanger the facilities of Williamson County, Texas or create a hazard to the public users thereof; it being intended, however, that nothing in this reservation shall affect the title and the rights of Grantee to take and use without additional compensation any, stone, earth, gravel, caliche, iron ore, gravel or any other road building material upon, in and under said land for the construction and maintenance of Grantee's roadway facilities and all related appurtenances.

TO HAVE AND TO HOLD the property herein described and herein conveyed together with all and singular the rights and appurtenances thereto in any wise belonging unto Williamson County, Texas and its assigns forever; and Grantor does hereby bind itself, its heirs, executors, administrators, successors and assigns to Warrant and Forever Defend all and singular the said premises herein conveyed unto Williamson County, Texas and its assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof when the claim is by, through, or under Grantor but not otherwise.

This deed is being delivered in lieu of condemnation.

IN WITNESS WHEREOF, this instrument is executed on this the ___ day of _____, 2025.

[signature page follows]

GRANTOR:

EVELYN M. SHEA, TRUSTEE OF
THE SHEA REVOCABLE LIVING TRUST, dated April 7, 1995

By:_____

Name:_____

Title:_____

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____ 2025 by _____ in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

GRANTOR:

_____
CARRIE LYNN SHEA

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____ 2025 by Carrie Lynn Shea in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

SELLER:

_____
MEGAN EVELYN SHEA

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____ 2025 by Megan Evelyn Shea in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

SELLER:

_____
MATTHEW EDWARD SHEA

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____ 2025 by Matthew Edward Shea in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

SELLER:

_____
MCKINLEY EVAN SHEA

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____ 2025 by McKinley Evan Shea in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

PREPARED IN THE OFFICE OF:
Sheets & Crossfield, PLLC
309 East Main
Round Rock, Texas 78664

GRANTEE'S MAILING ADDRESS:
Williamson County, Texas
Attn: County Auditor
710 Main Street, Suite 101
Georgetown, Texas 78626

AFTER RECORDING RETURN TO:

Commissioners Court - Regular Session **52.**

Meeting Date: 06/10/2025

Executive Session

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Executive Session

Information

Agenda Item

Discuss real estate matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.072 Deliberation Regarding Real Estate Property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with a third person.)

A. Real Estate Owned by Third Parties.

Preliminary discussions relating to the proposed or potential purchase or lease of property owned by third parties

a) Discuss the acquisition of real property: Bud Stockton Dr.
b) Discuss the acquisition of real property for CR 143
c) Discuss the acquisition of real property for County Facilities.
d) Discuss the acquisition of real property for CR 255.
e) Discuss the acquisition of real property for SH 195 @ Ronald Reagan.
f) Discuss the acquisition of real property for the future SH 29 corridor.
g) Discuss the acquisition of right-of-way for Hero Way.
h) Discuss the acquisition of right-of-way for E. Wilco Highway.
i) Discuss the acquisition of right-of-way for Corridor A-2.
j) Discuss the acquisition of right-of-way for Corridor B
k) Discuss the acquisition of right-of-way for Corridor C.
l) Discuss the acquisition of right-of-way for Corridor D.
m) Discuss the acquisition of right-of-way for Corridor E.
n) Discuss the acquisition of right-of-way for Corridor F
o) Discuss the acquisition of right-of-way for Corridor H
p) Discuss the acquisition of right of way for Corridor J.
q) Discuss the acquisition of right of way for Arterial K.
r) Discuss the acquisition of right of way for Corridor I.
s) Discuss the acquisition of right-of-way for Ronald Reagan Widening.
t) Discuss the acquisition of right-of-way for CR 313.
u) Discuss the acquisition of right of way for Bagdad Road/CR 279.
v) Discuss the acquisition of right of way for CR 314.
w) Discuss the acquisition of real property for the Seward Junction Loop
x) Discuss the acquisition of real property for CR 110N
y) Discuss the acquisition of real property for CR 175.
z) Discuss the acquisition of real property for Liberty Hill Bypass.
aa) Discuss the acquisition of real property for the Long Range Transportation Plan.
bb) Discuss property located at 9500 Lake Creek Parkway, Austin, TX 78717
cc) Discuss the acquisition of real property for Williamson County Justice Center and Corrections Facilities
dd) Discuss acquisition of real property in downtown Georgetown.

B. Property or Real Estate owned by Williamson County

Preliminary discussions relating to the proposed or potential sale or lease of property owned by the County

a) Discuss County-owned real estate containing underground water rights and interests.
b) Discuss possible uses of property owned by Williamson County on Main St. between 3rd and 4th Streets. (Formerly occupied by WCCHD)
c) Sale of property located at 747 County Rd. 138 Hutto, Texas
d) Discuss Blue Springs Blvd. property

e) Discuss potential sale of the Williamson County-owned properties within the downtown Georgetown area.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:03 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 05:14 PM
Final Approval Date: 06/05/2025		

Commissioners Court - Regular Session **53.**

Meeting Date: 06/10/2025

Economic Development

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Executive Session

Information

Agenda Item

Discussion regarding economic development negotiations pursuant to Texas Government Code, Section 551.087: Business prospect(s) that may locate or expand within Williamson County.

a) Project Skyfall
b) Project Garden
c) Project School Bus
d) Project Lunch Lady
e) Project Sequoia
f) Project Saturn Rings

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Delia Colon	06/05/2025 01:03 PM
Form Started By: Charlie Crossfield		Started On: 06/04/2025 05:16 PM
Final Approval Date: 06/05/2025		