NOTICE TO THE PUBLIC
WILLIAMSON COUNTY COMMISSIONER'S COURT
FEBRUARY 6TH, 2018
9:30 A.M.

The Commissioner's Court of Williamson County, Texas will meet in regular session in the Commissioner's Courtroom, 710 Main Street, in Georgetown, Texas to consider the following items:

1. Review and approval of minutes.

2. Consider noting in minutes any off right-of-way work on any County road done by Road & Bridge Division.

3. 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.

4. Citizen comments. Except when public hearings are scheduled for later in the meeting, this will be the only opportunity for citizen input. The Court invites comments on any matter affecting the county, whether on the Agenda or not. Speakers should limit their comments to three minutes. Note that the members of the Court may not comment at the meeting about matters that are not on the agenda.

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 5 – 17)

5. Discuss, consider, and take appropriate action on a Line Item Transfer for Emergency Communications

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0581.003005	Office Furniture	977
To	0100.0581.004510	Facility Maint. & Repair	977

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

7. Discuss, consider and take appropriate action on authorizing the disposal of various county assets through auction including (17) Desktops, (22) Laptops, (8) Laptop adapters, (see attached lists) pursuant to Tx. Local Gov't Code 263.152.

8. Discuss and consider approving the 2017 Racial Profiling Report for Pct. 3 Constable Office.

9. Discuss, consider and take appropriate action on reappointment of David Singleton to the Central Texas Regional Mobility Authority (CTRMA) board of directors for a two-year term ending on December 31, 2019.

10. Discuss, consider and take appropriate action on authorizing the appointment of Williamson County Sheriff's Office Animal Control Supervisor, Tabitha Blewett to be designated as the Local Rabies Control Authority (LRCA) for the purposes of the Rabies Control Act of 1981.

11. Discuss, consider and take appropriate action on Work Authorization No 1 in the amount of $28,500.00 to expire April 30, 2019 under Williamson County Contract for Engineering Services between Kleinfelder, Inc. and Williamson County dated January 9, 2018 for Construction Materials Testing and Inspection for the Williamson County Regional Animal Shelter Project (aka Project No 16042) for Williamson County.

12. Discuss, consider and take appropriate action on Supplemental Work Authorization No. 3 under Williamson County Contract between Surveying and Mapping LLC and Williamson County dated February 9, 2015 for right of way survey and parcel maps for San Gabriel Ranch Road. This supplemental is to extend the expiration date to September 30, 2018. The current Work Authorization dollar amount will remain the same.

13. Discuss, consider and take appropriate action on Supplemental Work Authorization No. 3 under Williamson County Contract between Raba Kistner Consultants, Inc. and Williamson County dated February 18, 2015 for On Call Geotechnical and Lab Testing Services. This supplemental is to increase the maximum amount payable from $40,000 to $65,000.

14. Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 2 in the amount of $21,138.00 to approve additional steel reinforcing at piers, additional bond cost and waterline changes, which was executed by Dale Butler, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the reinforcing steel allowance, miscellaneous utility allowance and the Construction Managers Contingency.

15. Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 4 in the amount of -($4,282.64) to accept credit for lime stabilization and approve revised floor boxes and door frame finish, which was executed by Dale Butler, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being credited to the Owners Contingency.

16. Discuss, consider and take appropriate action on accepting and approving a report on the Williamson County North Campus Project; Change Order #26 in the amount of ($106.00) for the acceptance of credit for assorted door modifications, which was executed by Dwayne Gossett, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being credited to the Owner’s Contingency.

17. Discuss, consider and take appropriate action on accepting and approving a report on the Williamson County North Campus Project; Change Order #29 in the amount of $3,647.00 for additional masonry and exterior louvers per Architects RFI # 167, which was executed by Dwayne Gossett, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded out of the Construction Managers Contingency.

REGULAR AGENDA

18. Discuss, consider and take appropriate action on the Department of Infrastructure projects and issues update.

19. Discuss, consider and take appropriate action on Williamson County North Campus Project, P324, Change Order # 41 from Vaughn Construction in the amount of ($50,311.00) to accept credit for sidewalks which were removed from the project. This change order is being credited to the Owners Contingency.

20. Discuss, consider and take appropriate action on an Amendment No. 1 to Agreement for Architectural and Engineering Phase II between Williamson County and Jackson & Ryan Architects, Inc., for additional services relating to the Williamson County Regional Animal Shelter Expansion Project.

21. Discuss, consider and take appropriate action on a Three Party Agreement by and between Fuquay, Inc. (contractor), Williamson County (owner/developer), and Atmos Energy Corporation; and a Construction Agreement between Williamson County and Fuquay, Inc. relating to the construction of a gas line and related appurtenances for the Williamson County Georgetown Annex Project.

22. Discuss, consider and take appropriate action on a Utility Easement granting Atmos Energy Corporation an easement for a gas line and related appurtenances for the Williamson County Georgetown Annex Project.

23. Discuss, consider and take appropriate action on a Real Estate Contract with Patrick McKinney for right of way needed on CR 200. (Parcel 4): Funding Source Road Bonds P285

24. 10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Civil Attorney, position # 0046, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

25. Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Civil Attorney, position #0046 in the County Attorney's Office from the budgeted annual salary amount of $96,751.20 to the increased salary amount of $100,621.38 for the remainder of the current fiscal year.

26. 10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, Position # 0013, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

27. Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, position #0013 in the County Attorney's Office from the budgeted annual salary amount of $38,173.70 to the increased salary amount of $42,754.47 for the remainder of the current fiscal year.

28. 10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, Position # 0012, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

29. Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, position #0012 in the County Attorney's Office from the budgeted annual salary amount of $37,886.80 to the increased salary amount of $42,451.17 for the remainder of the current fiscal year.

30. Discuss, consider and take appropriate action on filling open position of Deputy Constable for the Williamson County Precinct 2 Constable's Office with Keith A. Wenzel, pursuant to Tex. Loc. Gov't code 86.011.

31. Discuss, consider and take appropriate action on reappointing Joanne Land to the Williamson County and Cities Health District Board of Directors to serve a three (3) year term commencing effective as of January 1, 2018 and ending December 31, 2020.

32. Discuss and take appropriate action to allow the Sheriff's Office to submit an application for the General Victim Assistance Program grant through the Office of the Governor's Criminal Justice Division.

33. Discuss, consider and take appropriate action to approve the Resolution for the Sheriff's Office Law Enforcement Terrorism Prevention Activities Grant application with the State Homeland Security Program.

34. Discuss, consider and take appropriate action on an Agreement between Williamson County Attorney Office, acting by and through Williamson County, Texas, and Hines Georgetown Hotel, LLC d/b/a Sheraton Austin Georgetown Hotel & Conference Center for rental of space for the Williamson County Attorney's Office off site training at the Hotel and Conference Center from March 21, 2018 to March 23, 2018.

35. Discuss, consider, and take appropriate action on a Memorandum of Understanding between the Williamson County Regional Animal Shelter and Williamson County for the cooperative facility use of the county showbarn at San Gabriel Park.

36. Consider approving request to issue a call for projects that will utilized Community Development Block Grant funds for the FY18 funding cycle.

37. Discuss, consider and take any appropriate action to set a public hearing on February 27, 2018 at 10:00 AM in the Williamson County Commissioners Courtroom pursuant to Texas Local Government Code Chapter 392 regarding a resolution to declare a need for a regional housing authority that would include Williamson County due to a shortage of safe or sanitary housing in the county available to low-income persons at rents that they can afford and admitting Williamson County, Texas as a member of the Texas Housing Foundation, a Texas Regional Housing Authority.

38. Discuss and consider approving a line item transfer for EMS.

Fiscal Impact

From/To	Acct No.	Description	Amount

From	0100-0409-004999	Non Dept/ Misc.	$56,000.00
To	0100-0540-003301	EMS / Gasoline	$56,000.00

39. Discuss and consider approving a line item transfer for Public Assistance.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004999	Non Dept/Misc.	$234,302.00
To	0100-0640-004703	Public Asst/MHMR	$234,302.00

40. Discuss and consider approving a line item transfer for Public Assistance.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0340-005700	MOT/Vehicles	$28,634.00
To	0100-0640-004703	Public Asst/MHMR	$28,634.00

41. Discuss and consider approving a line item transfer for MOT.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$18,045.78
To	0100-0340-001100	MOT/Salary	$14,841.51
To	0100-0340-002010	MOT/FICA	$1,135.37
To	0100-0340-002020	MOT/Retirement	$2,068.90

42. Discuss and consider approving a line item transfer for Public Assistance.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$4,064.00
To	0100-0640-004703	Public Asst/MHMR	$4,064.00

43. Discuss and consider approving a line item transfer for MOT.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$3,302.00
To	0100-0340-003301	MOT/Gasoline	$1,375.00
To	0100-0340-004850	MOT/RCS Radio Fees	$1,015.00
To	0100-0340-004210	MOT/Internet	$912.00

44. Discuss, consider and take appropriate action on the annual budget calendar/meetings.

45. Discuss, consider and take appropriate action on approving the purchase of three (3) 2018 Ford PI Utililty vehicles for the Williamson County MOT department, from Caldwell Country Ford, in the amount of $104,063.65 per BuyBoard Contract 521-16.

46. Discuss, consider, and take appropriate action on approving the purchase of four (4) 2018 Chevrolet Malibus for the Williamson County Juvenile Services Department from Caldwell Country Chevrolet pursuant to BuyBoard Contract # 521-16 for a total amount of $74,300.

47. Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive Competitive Sealed Proposals for RV Park Williamson County Expo - Phase II Development under RFCSP # 1801-210.

48. Discuss, consider, and take appropriate action on awarding RFP # 1710-200 for 9-1-1 Consulting to the best overall respondent Mission Critical Partners, LLC. and authorizing execution of the service contract.

49. Discuss, consider, and take appropriate action on approving Services Subscription Agreement for Core Volunteer Management System between Digital Cheetah and Williamson County in the amount of a one-time fee of $495 and a monthly maintenance fee of $200, and authorizing the execution of the agreement.

50. Discuss, consider and take appropriate action on approving the purchase of shelving from Southwest Solutions Group for the Williamson County Sheriff's Office in the amount of $90,949.86 pursuant to NJPA contract #031715-KII.

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)."

51. Discussion regarding economic development negotiations pursuant to Texas Government Code, Section 551.087:

a) Business prospect(s) that may locate or expand within Williamson County.
b) Discuss Pearson Road District.
c) Discuss North Woods Road District.
d) Project Columbus Balbo
e) Mega Site
f) Texas State Gold Depository
g) Project New World
h) Coop District Development
i) Project Amazon
j) Project Valero
k) Wolf Lakes

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 third person.)

A. Real Estate Owned by Third Parties

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

a) Discuss the acquisition of real property for right-of-way for N. Mays St. Extension
b) Discuss the acquisition of real property for SW 183 and SH 29 Loop.
c) Discuss the acquisition of real property for CR 176 at RM 2243
d) Discuss the acquisition of real property for N. Mays Extension.
e) Discuss the acquisition of real property: CR 101
f) Discuss the acquisition of real property: CR 200
g) Discuss the acquisition of real property for CR 278 at Bagdad Rd.
h) Discuss the acquisition of real property for proposed CR 110 project. (All sections)
i) Discuss the acquisition of real property for County Facilities.
j) Discuss the acquisition of Easement interests for the Brushy Creek Trail Project.
k) Discuss acquisition of property located at NEC of Toll 130 and Gattis School Rd.
l) Discuss the acquisition of a drainage easement for CR 108.
m) Discuss the acquisition of real property and easements from San Gabriel River Ranch Subdivision.
n) Discuss the acquisition of real property for CR 278 @ Bagdad Rd.
o) Discuss the acquisition of real property for Seward Junction SE Loop.
p) Discuss the acquisition of real property for SH 29 @ DB Wood.
q) Discuss the acquisition of real property for Hairy Man Rd.
r) Discuss the acquisition of real property for SW Bypass.
s) Discuss the acquisition of real property for Crossroad Acres.
t) Discuss proposed acquisition of real property on CR 138.
u) Discuss proposed acquisition of real property at Highland Springs Lane.
v) Discuss Somerset Road Districts No. 3 & 4 reimbursements for acquisition & construction of Reagan Blvd.
w) Discuss Cedar Hollow low water crossings and Lost River.
x) Discuss the acquisition of real property- Condra Funeral Home- Taylor, Texas
y) Discuss the acquisition of real property- S&D Plumbing- Taylor, Texas
z) Discuss the acquistiion of Real Estate for Tower Site.

B. Property or Real Estate owned by Williamson County

B). Preliminary discussions relating to 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 sale of 183 A excess right of way
c) Discuss proposed sale of real estate of Blue Springs Blvd
d) Discuss transfer of right of way for Westinghouse Rd. to the City of Georgetown.
e) Discuss wastewater easements in Berry Springs Park
f) Discuss Development Agreement with Ashby Capital Investments, LLC
g) Discuss sale of County property on Ronald Reagan Blvd.
h) Discuss abandonment of County property on CR 123.
i) Discuss possible sale or exchange of property at 350 Exchange Boulevard, Hutto, Texas
j) Discuss possible sale of +/- 10 acres located on Chandler Road near the County Sheriff's Office Training Facility
k) Discuss possible sale/disposition of a portion of CR 117.
l) Discuss possible sale or exchange of property to LCRA.
m) Discuss sale of property adjacent to Blue Springs Boulevard, Georgetown, Texas.
n) Discuss the Interlocal Agreement with BRA for CR 305
o) Discuss the possible sale of a portion of the Candle Factory tract.

C. Consider intervention in lawsuit regarding de-listing of Bone Cave harvestman.

53. Discuss pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.071 consultation with attorney.), including the following:

a) Litigation or claims or potential litigation or claims against the County or by the County
b) Status Update-Pending Cases or Claims;
c) Civil Action No.1:13- CV- 505, Robert Lloyd v. Lisa Birkman, et al, In The United States District Court for the Western District of Texas, Austin Division
d) Employee/personnel related matters
e) Other confidential attorney-client matters, including contracts and certain matters related to county defense issues in which the duty of the attorney to the governmental body within the attorney/client relationship clearly conflicts with Chapter 551 of the Texas Government Code.
f) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
g) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
h) Carolyn Barnes, et al v. Texas Attorney General, et al; Cause # D-1-GN-15-000877, in the 419th Judicial District Court of Travis County
i) Appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and Payment of Disputed Employment Taxes Pending Appeal
j) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
k) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
l) Berry Springs Park and Preserve pipeline
m) Case No. 1:17-cv-00290, Rodney A. Hurdsman v. Williamson County Sheriff Deputies Pokluda et al, In The Unites States District Court For The Western District of Texas – Austin Division.
n) Civil Action No. 1:17-cv-153-SS, Royce Belcher v. Williamson County, Texas, In The United States District Court for the Western District of Texas, Austin Division.
o) Tax Increment Financing Agreement between Williamson County and the City of Hutto with respect to a proposed tax increment reinvestment zone (TIRZ) in Hutto, Teaxas.
p) Williamson County Sheriff's Office Training Center construction issues.
q) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
r) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
s) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
t) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
u) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
v) Farm and Grazing Lease with Mary Brett Covington dated effective March 29, 2016 on county land near County Road 131
w) Amendment to Interlocal Lease Agreement between Williamson County and City of Georgetown relating to Williamson County's property located near Martin Luther King Boulevard and 8th Streets in Georgetown, Texas
x) Civil Action No. 1:18-CV-49, Troy Mansfield v. Williamson County, In The United States District Court for the Western District of Texas, Austin Division.

54. Deliberate the appointment, employment, evaluation, reassignment, duties, discipline and/or dismissal of Williamson County officers, directors, employees and/or positions, including but not limited to conducting deliberation and discussion pertaining to annual reviews of department heads and appointed officials (Executive Session as per Tex. Gov. Code Section 551.074 – Personnel Matter

55. Discuss the deployment or specific occasions for implementation of security personnel or devices in relation to the Williamson County Justice Center (Executive Session as per Texas Gov't. Code § 551.076).

REGULAR AGENDA (continued)

56. Discuss and take appropriate action concerning economic development.

57. Discuss and take appropriate action concerning real estate.

58. Discuss and take appropriate action on pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters, including the following:

a) Litigation or claims or potential litigation or claims against the County or by the County
b) Status Update-Pending Cases or Claims;
c) Civil Action No.1:13- CV- 505, Robert Lloyd v. Lisa Birkman, et al, In The United States District Court for the Western District of Texas, Austin Division
d) Employee/personnel related matters
e) Other confidential attorney-client matters, including contracts and certain matters related to county defense issues in which the duty of the attorney to the governmental body within the attorney/client relationship clearly conflicts with Chapter 551 of the Texas Government Code.
f) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
g) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
h) Carolyn Barnes, et al v. Texas Attorney General, et al; Cause # D-1-GN-15-000877, in the 419th Judicial District Court of Travis County
i) Discuss, consider and take appropriate action regarding possible appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and approval of payment of disputed employment taxes pending appeal
j) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
k) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
l) Berry Springs Park and Preserve pipeline
m) Case No. 1:17-cv-00290, Rodney A. Hurdsman v. Williamson County Sheriff Deputies Pokluda et al, In The Unites States District Court For The Western District of Texas – Austin Division.
n) Civil Action No. 1:17-cv-153-SS, Royce Belcher v. Williamson County, Texas, In The United States District Court for the Western District of Texas, Austin Division.
o) Tax Increment Financing Agreement between Williamson County and the City of Hutto with respect to a proposed tax increment reinvestment zone (TIRZ) in Hutto, Texas.
p) Williamson County Sheriff's Office Training Center construction issues.
q) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
r) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
s) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
t) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
u) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
v) Farm and Grazing Lease with Mary Brett Covington dated effective March 29, 2016 on county land near County Road 131
w) Amendment to Interlocal Lease Agreement between Williamson County and City of Georgetown relating to Williamson County's property located near Martin Luther King Boulevard and 8th Streets in Georgetown, Texas
x) Civil Action No. 1:18-CV-49, Troy Mansfield v. Williamson County, In The United States District Court for the Western District of Texas, Austin Division.

59. Discuss, consider and take appropriate action regarding the appointment, employment, evaluation, reassignment, duties, discipline and/or dismissal of Williamson County officers, directors or employees, including but not limited to any necessary action pertaining to conducting annual reviews of department heads and appointed officials.

60. Comments from Commissioners.

_____
Dan A. Gattis, 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 _____ day of _____, 2018 at _____ and remained posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Commissioners Court - Regular Session **5.**

Meeting Date: 02/06/2018

LIT for Emergency Communications

Submitted For: Scott Parker **Submitted By:** Scott Parker, Emergency Communications

Department: Emergency Communications

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on a Line Item Transfer for Emergency Communications

Background

This Line Item Transfer is to supplement funding for the replacement of the batteries Un-Interuptable Power Supply (UPS) used in the Emergency Services Operations Center (ESOC). The batteries are at the end-of-life and need to be replaced.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0581.003005	Office Furniture	977
To	0100.0581.004510	Facility Maint. & Repair	977

Attachments

ESOC UPS Battery Replacement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 09:36 AM
Budget Office	Ashlie Koenig	01/31/2018 09:58 AM
Form Started By: Scott Parker		Started On: 01/30/2018 05:13 PM
Final Approval Date: 01/31/2018		

Austin Power Sales and Service
8600 N. Madrone Trail
Austin, TX. 78737
512 301 1400

Austin Power Sales and Service

Daniel Shea
ESOC

Quote

Daniel,

The following is a quote for replacement of 80 each batteries (two strings) in the large Toshiba unit.

Remove and replace 80 each HX330 batteries with HX330. Quote includes shipping, installation and proper EPA disposal of old batteries: 19,863.20

OR: Remove and replace 80 each HX330 batteries with C&D 12-350FR batteries. Quote includes shipping, installation and proper EPA disposal of old batteries: 17,369.28

OR: Remove and replace 80 each HX330 batteries with Leoch XP12-350FR batteries. Quote includes shipping, installation and proper EPA disposal of old batteries: 16,560.00

Quote is for M-F; 8-5pm.
Feel free to contact me if you have any questions.

Mike Segalotto
Austinpowersales@aol.com
512 301 1400

Commissioners Court - Regular Session **6.**

Meeting Date: 02/06/2018

Compensation Items

Submitted For: Tara Raymore **Submitted By:** Tammy Fennell, Human Resources

Department: Human Resources

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approving compensation changes, position titles 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

Position changes

Merit details

Merit LIT

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Tara Raymore	02/01/2018 10:57 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:59 AM
Form Started By: Tammy Fennell		Started On: 02/01/2018 09:31 AM
Final Approval Date: 02/01/2018		

Department	PCN	EE ID	Budget Amount	*Requested Amount	Change Amount	% Change	Reason for Change	Earliest Oracle Effective Date
County Auditor	0649	N/A	$52,456.21	$48,140.35	-$4,315.86	-8.23%	Decrease position surplus salary	1/31/2018
County Auditor	0628	N/A	$42,599.09	$41,404.94	-$1,194.15	-2.80%	Decrease position surplus salary	1/31/2018
County Auditor	1749	Vacant	$40,116.96	$45,626.97	$5,510.01	13.73%	Increase vacant position salary from PCN 0649 & 0628 to accommodate internal transfer.	1/31/2018
Corrections	0220	vacant	$77,387.44	N/A	N/A	N/A	Title correction to Lieutenant: no change in grade or salary	2/2/2018

**Amount may vary slightly due to Oracle rounding*

Department	Position	Emp ID Num	Current Annual Salary	Annual Merit Amt	Merit %	New Annual Salary	Pay Proposal Reason	Effective Date of Change
County Auditor	Internal Aud II.0644.001100.	12352	$62,359.44	$623.48	1.00	$62,982.92	MERIT	26-Jan-18
County Auditor	Internal Aud II.0645.001100.	13357	$59,980.96	$599.82	1.00	$60,580.78	MERIT	26-Jan-18
Information Systems	Warehouse Coordinator II.0726.001100.	11832	$47,133.05	$471.33	1.00	$47,604.38	MERIT	26-Jan-18
Information Systems	Warehouse Coordinator I.1755.001100.	13253	$34,935.89	$349.36	1.00	$35,285.24	MERIT	26-Jan-18
Juvenile Services	PT Juvenile Clerk.9984.001101	13249	$22,084.69	$662.54	3.00	$22,747.23	MERIT	26-Jan-18

				(TO)	(FROM)
entity	fund	dept	object	dr	cr
01	0100	0495	001100	1223.30	
01	0100	0495	001130		1223.30
01	0100	0503	001100	820.69	
01	0100	0503	001130		820.69
01	0100	0576	001101	662.54	
01	0100	0576	001130		662.54
01	0100	0581	001100		3821.40
01	0100	0581	002010		292.33
01	0100	0581	002020		532.70
01	0100	8004	001130	3821.40	
01	0100	8004	002010	292.33	
01	0100	8004	002020	532.70	

Commissioners Court - Regular Session **7.**

Meeting Date: 02/06/2018

Asset Auction 2/6/2018

Submitted By: Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the disposal of various county assets through auction including (17) Desktops, (22) Laptops, (8) Laptop adapters, (see attached lists) pursuant to Tx. Local Gov't Code 263.152.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Auction 1

Auction 2

Auction 3

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	02/01/2018 09:12 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:13 AM
Form Started By: Jayme Jasso		Started On: 01/30/2018 08:31 AM
Final Approval Date: 02/01/2018		

FrmAudASCF01 revision 07/2014

Williamson County
Asset Status Change Form

Print Form

The following asset(s) is(are) considered for: (select one)

- ○ TRANSFER bet ween county departments
- ◉ SALE at the earliest auction *
- ○ TRADE-IN for new assets of similar type for the county
- ○ DONATION to a non-county entity
- ○ DESTRUCTION due to Public Health / Safety
- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.)	A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Latitude E5530	65904	J81YKX1		Working
1	Dell Latitude E5530	65906	181YKX1		Working
1	Dell Latitude E5530	65899	JB2YKX1		Working
1	Dell Latitude E5530	65886	BQ0YKX1		Working
1	Dell Latitude E5530	65925	7V0YKX1		Working

Parties involved:

FROM (Transferor Department): Williamson County Emergency Communications

Transferor - Elected Official/Department Head/ Authorized Staff:

Michael Wright
Print Name

Michael Wright 1/25/18
Signature Date

Contact Person:

Matt Velasquez, ESOC 512-864-8259
Print Name

Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): Auction

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

RECEIVED
JAN 26 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

Contact Person:

Print Name

Signature Date

Print Name

Phone Number

* If the above asset(s) is (are) listed for sale at auction and no bids are made, the Purchasing Director may dispose of or donate this (these) asset(s). A list of the (these) asset(s) to be donated or disposed of will be sent to the Auditor's Office with a date of donation or disposal.

Forward to County Auditor's Office

This Change Status was approved as agenda item # _____ in Commissioner's Court on _____

If for Sale, the asset(s) was(were) delivered to warehouse on _____ by _____

FrmAudASCF01 revision 07/2014

Williamson County
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Asset List:

Quantity	Description (year, make, model, etc.)	A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Latitude E5530	65931	823YKX1		Working
1	Dell Latitude E5530	65927	8B2YKX1		Working
1	Dell Latitude E5530	65907	241YKX1		Working
1	Dell Latitude E5530	65921	6X1YKX1		Working
1	Dell Latitude E5530	65918	531YKX1		Working

Parties involved:

FROM (Transferor Department): Williamson County Emergency Communications

Transferor - Elected Official/Department Head/ Authorized Staff:

Print Name

Signature 1/25/18 Date

Contact Person:

Matt Velasquez, ESOC 512-864-8259

Print Name

Phone Number

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- ○ DONATION to a non-county entity
- ○ DESTRUCTION due to Public Health / Safety
- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Latitude E5530 65928	8H2YKX1		Working
1	Dell Latitude E5530 65923	632YKX1		Working
1	Dell Latitude E5530 65924	7Q0YKX1		Working
1	Dell Latitude E5530 65926	731YKX1		Working
1	Dell Latitude E5530 65920	6JYYKX1		Working

Parties involved:

FROM (Transferor Department): Williamson County Emergency Communications

Transferor - Elected Official/Department Head/ Authorized Staff:

Michael Wright
Print Name

Signature 1/25/18 Date

Contact Person:

Matt Velasquez, ESOC 512-864-8259
Print Name

Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): Auction

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

Print Name

Signature Date

Contact Person:

Print Name

Phone Number

RECEIVED
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AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

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Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Latitude E5530 65896	G22YKX1		Working
1	Dell Latitude E5530 65929	892YKX1 AS 8P2YKX1 PER MATT VELASQUEZ		Working
1	Dell Latitude E5530 65922	622YKX1		Working
1	Dell Latitude E5530 65933	921YKX1		Working
1	Dell Latitude E5530 65915	421YKX1		Working

Parties involved:

FROM (Transferor Department): Williamson County Emergency Communications

Transferor - Elected Official/Department Head/ Authorized Staff:

Michael Wright
Print Name

Michael Wright
Signature

1/25/18
Date

Contact Person:

Matt Velasquez, ESOC 512-864-8259
Print Name

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Print Name

Signature

Date

Contact Person:

Print Name

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Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Latitude E5530 65914	392YKX1		Working
8	Dell 65W-AC Adapters —			Working
				Working
				Working

Parties involved:

FROM (Transferor Department): Williamson County Emergency Communications

Transferor - Elected Official/Department Head/ Authorized Staff:

Michael Wright
Print Name

Michael Wright 1/25/18
Signature Date

Contact Person:

Matt Velasquez, ESOC 512-864-8259
Print Name

Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): AUCTION

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Print Name

Signature Date

Contact Person:

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WILLIAMSON COUNTY, TEXAS

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- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.)	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
3	Dell Optiplex 7010 A*	77231 77227 77226 JV6FCY1, JV6DCY1, JV68CY1		Working
1	Dell Optiplex 780	37BT3P1 55538		Working

Parties involved:

FROM (Transferor Department): County Clerk's Office

Transferor - Elected Official/Department Head/ Authorized Staff:

Nancy E Rister
Print Name

Nancy E Rister
Signature

Date

Contact Person:

Terri Countess
Print Name

+1 (512) 943-1976
Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): Auction

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

Print Name

Signature

Date

RECEIVED
JAN 25 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

Contact Person:

Print Name

Phone Number

* If the above asset(s) is (are) listed for sale at auction and no bids are made, the Purchasing Director may dispose of or donate this (these) asset(s). A list of the (these) asset(s) to be donated or disposed of will be sent to the Auditor's Office with a date of donation or disposal.

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FrmAudASCF01 revision 07/2014

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Asset List:

Quantity	Description (year, make, model, etc.)	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
[redacted]	[redacted] A/#	40290 40289 40287 USGNS44958, USGNS44840, USGNM42425		Non-Working
[redacted]	[redacted]	45645 46009 CNRXJ94991, CNRXR77619		Non-Working
4	Dell Optiplex 7010	77229 77228 77235 77225 JV75CY1, JV6JCY1, JV6GCY1, JV64CY1		Non-Working
4	Dell Optiplex 7010	77239 77232 115278 115276 JV6HCY1, JV74CY1, 7FS3P22, 7FT2P22		Non-Working
1	Dell Optiplex 7020	GTH2FB2 115367		Non-Working

Parties involved:

FROM (Transferor Department): County Clerk's Office

Transferor - Elected Official/Department Head/ Authorized Staff:

Nancy E. Rister
Print Name

Nancy E. Rister
Signature Date

Contact Person:

Terri Countess
Print Name

+1 (512) 943-1976
Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): Auction

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

Print Name

Signature Date

Contact Person:

Print Name

Phone Number

RECEIVED
JAN 25 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

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This Change Status was approved as agenda item # _____ in Commissioner's Court on _____

If for Sale, the asset(s) was(were) delivered to warehouse on _____ by _____

Juvenile Services

Description: Juvenile Justice Computer Turn Information

Generated: 1/26/18

	#	Description	Manufacturer ID#	County Tag#	Condition of Asset
A-11- 55876	1	Dell OptiPlex 780	936S9P1 93559P1 FOR JOHN	C02959	Working
	2	Dell Vostro 220	C7FB6J1	N/A	No Hard drive
	3	[redacted]	[redacted]	N/A	Working
	4	[redacted]	[redacted]	N/A	Working
33502	5	[redacted]	[redacted]	100052	Not Working
	6	[redacted]	[redacted] MY92819041C	N/A	Working
	7	[redacted]	[redacted]	N/A	Working
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

RECEIVED

JAN 29 2018

AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

Quanity	Description	Manufacturer ID#	County Tag #	Condition of Assets
~~1~~	~~Samsung AC Power Cord~~			Y
~~1~~	~~Computer Adapter Cord~~			N
~~2~~	~~5.11 Khaki Pants~~			Y
~~1~~	~~Iphone (no sim card)~~			N
~~2~~	~~Verizon MIFI~~			Y
~~3~~	~~iphones (cracked screen)~~			Y
~~1~~	~~3-hole punch~~			Y
~~1~~	~~Palm Pilot~~			Y
~~1~~	~~TomTom GPS~~			Y
~~1~~	~~ICD-9-CM 2012 Book~~			Y
~~2~~	~~Blauer pants, wm size 16, Navy~~			Y
~~2~~	~~5.11 pants, wm size 16, Navy~~			Y
~~2~~	~~5.11 pants, wm size 16, Black~~			Y
~~1~~	~~5.11 pants, wm size 16, Gray~~			Y
~~2~~	~~5.11 pants, wm size 16, Khaki~~			Y
~~2~~	~~5.11 pants, wm size 14, Black~~			Y
~~2~~	~~5.11 pants, wm size 14, Navy~~			Y
~~1~~	~~5.11 pants, wm size 14, Khaki~~			Y
1	Dell Desktop Computer	3K6VH02		Y
1	Dell Desktop Computer	CYVQJK1	C02478	Y

A~~1~~

44246

78124

52205

RECEIVED

JAN 29 2018

AUDITOR'S OFFICE
WILLIAMSON COUNTY

FrmAudASCF01 revision 07/2014

Print Form

Williamson County
Asset Status Change Form

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- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag; or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
[redacted]	[redacted]	[redacted]	[redacted]	Non-Working
[redacted]	[redacted]	[redacted]	[redacted]	Non-Working
[redacted]	[redacted]	[redacted]	[redacted]	Non-Working
1	DELL LATITUDE LAPTOP 58376	GDDVBS1	N/A	
[redacted]	[redacted]	[redacted]	[redacted]	

Parties involved:

FROM (Transferor Department): VRS

Transferor - Elected Official/Department Head/ Authorized Staff:

TERRON EVERTSON
Print Name

Signature Date

Contact Person:

LYDIA LINDEN
Print Name

+1 (512) 943-3330
Phone Number

TO (Transferee Department/Auction/Trade-In/Donee): AUCTION

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-In, no signature is necessary.)

Print Name

Signature Date

Contact Person:

Print Name

Phone Number

RECEIVED
JAN 31 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

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Forward to County Auditor's Office

This Change Status was approved as agenda item # _____ in Commissioner's Court on _____

If for Sale, the asset(s) was(were) delivered to warehouse on _____ by _____

Commissioners Court - Regular Session **8.**

Meeting Date: 02/06/2018

Racial Profiling Pct 3 Report

Submitted By: Theresa Lock, Constable Pct. #3

Department: Constable Pct. #3

Agenda Category: Consent

Information

Agenda Item

Discuss and consider approving the 2017 Racial Profiling Report for Pct. 3 Constable Office.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

racial profiling report

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/29/2018 02:59 PM
Form Started By: Theresa Lock		Started On: 01/29/2018 10:10 AM
Final Approval Date: 01/29/2018		

Kevin Stofle
Constable Precinct 3
Williamson County, Texas

301 S.E. Inner Loop, Suite 102
Georgetown, Texas 78626
512-943-1434

To: Williamson County Commissioner's Court
From: Kevin Stofle, Constable Precinct 3
Date: January 23, 2018
Subject: 2017 Racial Profiling Report

In compliance with Texas Code of Criminal Procedures Article(s) 2.133 and 2.134, attached please find a statistical report for Traffic and Pedestrian Stops — Racial Profiling, submitted to the Williamson County Commissioner's Court as the governing body for the Precinct 3 Constable's Office. This report reflects the period of January 1, 2017 to December 31, 2017.

The Texas Commission on Law Enforcement (TCOLE) possesses the secured master-reporting format and analyzes spreadsheet. The Williamson County Precinct 3 Constable's Office submitted all required data to produce the results in the attached statistical report by TCOLE. The data collected is our required documentation of all public contacts, either by traffic or pedestrian stops, whereby individual(s) were detained by probable cause or reasonable suspicion for any alleged offense(s).

The totality of **92** Detentions reflect the following:

- 10.8% were African
- 0% were Asian
- 84.7% were Caucasian
- 2.1% were Hispanic
- 0% were Middle Eastern
- 2.1% were Native American

The data reflects no issues or concerns with racial profiling from the Precinct 3 Constable's Office.

Respectfully submitted,

Kevin Stofle

Kevin Stofle

Tier 1 State Report

Date Range: 01/01/2017 00:00:00 - 12/31/2017 23:59:59

PARTIAL EXEMPTION RACIAL PROFILING REPORTING (TIER 1)

INSTRUCTIONS: Please fill out all boxes. If zero, use 0.

1. **Total on line 4, 11, 14 and 17 must be equal**
2. **Total on line 20 must equal line 15**

AGENCY NAME: WILLIAMSON COUNTY CONSTABLE PRECINCT 3

Number of motor vehicle stops (mark only 1 category per vehicle stop):

1. 89 Citation Only
2. 3 Arrest Only
3. 0 Both

4. **92** **(Total of 1-3)**

Race or Ethnicity (mark only 1 category per vehicle stop):

5. 10 African
6. 0 Asian
7. 78 Caucasian
8. 2 Hispanic
9. 0 Middle Eastern
10. 2 Native American

11. **92** **(Total of 5-10, must be the same as #4)**

Race or Ethnicity known prior to stop?

12. 0 Yes
13. 92 No

14. **92** **(Total of 12-13, must be the same as #4 and #11)**

Search Conducted?

15. 0 Yes
16. 92 No

17. **92** **(Total of 15-16, must be the same as #4, #11, and #14 above)**

Was search consented?

18. 0 Yes
19. 0 No

20. **0** **(Total, must equal #15)**

Racial Profiling Report | Tier one

Agency Name:	Williamson County Constable Precinct 3
Reporting Date:	01/08/2018
TCOLE Agency Number:	491103
Chief Administrator:	Theresa Lock
Agency Contact Information:	
Phone:	512-943-1436
Email:	tlock@wilco.org
Mailing Address:	301 SE Inner Loop Suite 102 Georgetown Texas 78626

This Agency claims partial racial profiling report exemption because:

Our vehicles that conduct motor vehicle stops are equipped with video and audio equipment and we maintain videos for 90 days.

Certification to This Report 2.132 (Tier 1), Partial Exemption

Article 2.132(b) CCP Law Enforcement Policy on Racial Profiling

Williamson County Constable Precinct 3 has adopted a detailed written policy on racial profiling. Our policy:

1.) clearly defines acts constituting racial profiling;

2.) strictly prohibits peace officers employed by the Williamson County Constable Precinct 3 from engaging in racial profiling;

3.) implements a process by which an individual may file a complaint with the Williamson County Constable Precinct 3 if the individual believes that a peace officer employed by the Williamson County Constable Precinct 3 has engaged in racial profiling with respect to the individual;

4.) provides public education relating to the agency's complaint process;

5.) requires appropriate corrective action to be taken against a peace officer employed by the Williamson County Constable Precinct 3 who, after an investigation, is shown to have engaged in racial profiling in violation of the Williamson County Constable Precinct 3's policy adopted under this article;

6.) require collection of information relating to motor vehicle stops in which a citation is

issued and to arrests made as a result of those stops, including information relating to:

a.) the race or ethnicity of the individual detained;

b.) whether a search was conducted and, if so, whether the individual detained consented to the search; and

c.) whether the peace officer knew the race or ethnicity of the individual detained before detaining that individual; and

7.) require the chief administrator of the agency, regardless of whether the administrator is elected, employed, or appointed, to submit an annual report of the information collected under Subdivision(6) to:

a.) the Commission on Law Enforcement; and

b.) the governing body of each county or municipality served by the agency, if the agency is an agency of a county, municipality, or other political subdivision of the state.

Executed by: Theresa Lock

Chief Administrator

Williamson County Constable Precinct 3

Date: 01/08/2018

Commissioners Court - Regular Session **9.**

Meeting Date: 02/06/2018

CTRMA Board Reappointment

Submitted For: Cynthia Long **Submitted By:** Tammy Smith, Commissioner Pct. #2

Department: Commissioner Pct. #2

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on reappointment of David Singleton to the Central Texas Regional Mobility Authority (CTRMA) board of directors for a two-year term ending on December 31, 2019.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bio

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:47 AM
Form Started By: Tammy Smith		Started On: 02/01/2018 08:15 AM
Final Approval Date: 02/01/2018		

David Singleton

Board Treasurer

Member of the Planning Committee, Audit Committee, Aesthetics Committee

David Singleton is the President of Southwest Land Services, Inc., a land planning and development firm based in Williamson County. Active in both commercial and residential development since 1982, he is currently developing Goodwater, a 600-acre vertically integrated mixed-use community north of Georgetown. In addition to his service on the Mobility Authority Board, Mr. Singleton is a Seton Williamson Foundation Board Trustee, Envision Central Texas Board Member, Metro Board Member of the Williamson County YMCA and Member of the State Executive Committee of the Coastal Conservation Association.

He was also a member of the Williamson County Bond Task Force, which directed the development of the successful $350 million bond referendum for roadway infrastructure improvements in 2000. He previously served as Director of Public Works for the City of Leander, where he was responsible for thoroughfare planning, including the coordination of the inter-local connection of major and minor arterials. Mr. Singleton has also served as a Board Member for the Cedar Park Chamber of Commerce, the Cedar Park Public Library and as interim Chairman of the Board of the Lakehills Economic Development Corporation. He has represented Williamson County on the Mobility Authority Board since January 2003.

Commissioners Court - Regular Session **10.**

Meeting Date: 02/06/2018

Local Rabies Control Authority (LRCA) appointment for County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the appointment of Williamson County Sheriff's Office Animal Control Supervisor, Tabitha Blewett to be designated as the Local Rabies Control Authority (LRCA) for the purposes of the Rabies Control Act of 1981.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

LRCA-Blewett designation

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/29/2018 04:05 PM
Form Started By: Starla Hall		Started On: 01/29/2018 02:00 PM
Final Approval Date: 01/29/2018		

TEXAS Health and Human Services | Texas Department of State Health Services

LOCAL RABIES CONTROL AUTHORITY

The Commissioners Court (governing body) of Williamson County (city or county)

designates Animal Control Supervisor (job title or name) as the Local Rabies Control Authority (LRCA) for the purposes of the RABIES CONTROL ACT OF 1981.

This appointment became effective February 6, 2018 (date).

AUTHORIZING PERSON'S NAME (print): Dan Gattis

AUTHORIZING PERSON'S TITLE: County Judge

AUTHORIZING PERSON'S SIGNATURE: _____

Please print the name and contact information of the appointed individual:

NAME: Tabitha Blewett

AGENCY: Williamson County Sheriff's Office

STREET ADDRESS: 508 S. Rock Street

MAILING ADDRESS: 508 S. Rock Street

CITY/STATE/ZIP: Georgetown, TX 78626

JOB TITLE: Animal Control Supervisor

TELEPHONE: 512-864-8282

FAX: 512-943-1444

E-MAIL ADDRESS: tblewett@wilco.org

RETURN THIS FORM TO: Department of State Health Services
Zoonosis Control
2408 South 37th Street
Temple, TX 76504

Commissioners Court - Regular Session **11.**

Meeting Date: 02/06/2018

Kleinfelder Inc WA 1 Regional Animal Shelter Project

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 in the amount of $28,500.00 to expire April 30, 2019 under Williamson County Contract for Engineering Services between Kleinfelder, Inc. and Williamson County dated January 9, 2018 for Construction Materials Testing and Inspection for the Williamson County Regional Animal Shelter Project (aka Project No 16042) for Williamson County.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Kleinfelder Inc WA 1

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	01/30/2018 09:22 AM
County Judge Exec Asst.	Wendy Coco	01/30/2018 02:26 PM
Form Started By: Vicky Edwards		Started On: 01/30/2018 08:22 AM
Final Approval Date: 01/30/2018		

WORK AUTHORIZATION NO. 1

PROJECT: Construction Materials Testing and Inspection for the Williamson County Regional Animal Shelter Project (aka Project No 16042)

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **January 9, 2018** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Kleinfelder, 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 **$28,500.00.**

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 the date of final acceptance and full execution of the parties hereto and shall terminate on **April 30, 2019**. 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.

EXECUTED this 25th day of January, 2018.

ENGINEER:	COUNTY:
Kleinfelder, Inc.	Williamson County, Texas
By: _____ Signature	By: _____ Signature
ANTHONY V. SORACE Printed Name	Dan A. Gattis Printed Name
PROJECT MANAGER Title	Williamson County Judge 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

Attachment A – Services to be Provided by County

Williamson County will provide a Project Manager and any requested data that is in the County's control.

Attachment B
ENGINEERING SERVICES

Summary of Scope of Services: ENGINEER is to perform construction materials testing and inspection of the Project which includes the following:

- Subgrade laboratory testing and field density testing for proposed 2-story kennel building.
- Building pad laboratory testing and density testing for fill of proposed 2-story kennel building.
- Foundation installation for the new 2-story kennel building including drilled pier observation and concrete sampling.
- Placement observations of reinforcing steel in structural concrete for the proposed 2-story kennel building.
- Structural concrete field sampling and testing for the proposed 2-story kennel building.
- Placement observations of reinforcing steel in structural concrete for the proposed retaining wall.
- Structural concrete field sampling and testing for the proposed retaining wall.
- Laboratory compression testing of concrete specimens.
- Structural steel observations for columns, beams, joists, and metal decking.

Attachment C – Work Schedule

Kleinfelder, Inc. shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Kleinfelder, Inc. on the work schedule and authorization to proceed on assigned services.

Attachment D

RATE SCHEDULE

WILLIAMSON COUNTY FACILITIES
WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER - GEORGETOWN, TX
CONSTRUCTION MATERIALS ENGINEERING & TESTING SERVICES
PROJECT ESTIMATE & SCHEDULE OF FEES

DESCRIPTION OF SERVICES	NOTES	QUANTITY	UNIT	RATE	TOTAL
A. SOILS SERVICES (EARTHWORK TESTING)					
Soils Services - Field Testing					
Field Technician		66	hours	$58.00	$3,828.00
Density Gauge (Field Density Testing)		11	trip	$25.00	$275.00
Technician - Sample Pick Up		12	hours	$58.00	$696.00
Vehicle Charge		15	trip	$40.00	$600.00
Soils Services - Laboratory Testing					
Sieve Analysis, #200 Wash	ASTM D-1140	4	each	$85.00	$340.00
Moisture-Density Relationship	TxDOT 114E/1	4	each	$275.00	$1,100.00
Atterberg Limit Test (PI Test)	ASTM D-4318	4	each	$115.00	$460.00
				Subtotal:	**$7,299.00**
B. Drilled Pier Observation					
Staff Professional		40	hours	$111.00	$4,440.00
Staff Professional - Overtime		15	hours	$111.00	$1,665.00
Technician - Sample Pick Up		9	hours	$58.00	$522.00
Concrete Equipment		6	trip	$7.00	$42.00
Vehicle Charge		9	trip	$40.00	$360.00
Concrete Services - Laboratory Testing					
Concrete Cylinders - Compressive Strength	ASTM C-39	100	each	$31.00	$3,100.00
				Subtotal:	**$10,129.00**
C. REINFORCING STEEL & CONCRETE SERVICES					
Reinforcing Steel Services - Field Observation					
Field Technician		32	hours	$58.00	$1,856.00
Vehicle Charge		5	trip	$40.00	$200.00
Concrete Services - Field Observation & Testing					
Field Technician		32	hours	$58.00	$1,856.00
Concrete Equipment		4	trip	$7.00	$28.00
Technician - Sample Pick Up		15	hours	$58.00	$870.00
Vehicle Charge		9	trip	$40.00	$360.00
Concrete Services - Laboratory Testing					
Concrete Cylinders - Compressive Strength	ASTM C-39	48	each	$31.00	$1,488.00
				Subtotal:	**$6,658.00**
D. STRUCTURAL STEEL SERVICES					
CWI, Technician		50	hours	$115.00	$5,750.00
UT Testing Equipment			day	$120.00	
Vehicle Charge		10	trip	$40.00	$400.00
				Subtotal:	**$6,150.00**
E. PROJECT MANAGEMENT & ADMINISTRATION					
Project Manager		8	hours	$141.00	$1,128.00
Assistant Project Manager		4	hours	$98.00	$392.00
Project Coordinator, Dispatcher		4	hours	$98.00	$392.00
Administration		16	hours	$65.00	$1,040.00
				Subtotal:	**$2,952.00**

CPI Rate Adjustments: Rates will remain firm for the initial first year of the Contract and such rates shall be deemed the "Initial Base Rates". Engineer must request rate adjustments, in writing, at least thirty (30) days prior to each annual anniversary date of the Contract and any rate changes will take effect on the first day following the prior year. If Engineer fails to request a CPI rate

adjustment, as set forth herein, the adjustment will be effective thirty (30) days after the County receives Engineer's written request. No retroactive rate adjustments will be allowed.

Price adjustments will be made in accordance with changes in the U.S. Department of Labor Consumer Price Index (CPI-U) for All Urban Consumers, All Items, South Region (Base 1982-84 = 100).

The rate adjustment will be determined by multiplying the Initial Base Rates by a fraction, the numerator of which is the index number for most recently released index before each annual anniversary date of the Contract and the denominator of which is the index number for the first month of the Contract (the index number for the month in which the Contract was originally executed). If the products are greater than the Initial Base Rates, County will pay the greater amounts as the rates during the successive year until the next rate adjustment. Rates for each successive year will never be less than the Initial Base Rates.

Commissioners Court - Regular Session **12.**

Meeting Date: 02/06/2018

Surveying and Mapping Supplemental 3 to WA 5 Right of Way Survey and Parcel Maps for San Gabriel Ranch Road

Submitted For: Robert Daigh **Submitted By:** Sarah Ramos, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on Supplemental Work Authorization No. 3 under Williamson County Contract between Surveying and Mapping LLC and Williamson County dated February 9, 2015 for right of way survey and parcel maps for San Gabriel Ranch Road. This supplemental is to extend the expiration date to September 30, 2018. The current Work Authorization dollar amount will remain the same.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

SAM WA 5 - Supplemental 3

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/30/2018 02:26 PM
Form Started By: Sarah Ramos		Started On: 01/30/2018 12:44 PM
Final Approval Date: 01/30/2018		

SUPPLEMENTAL WORK AUTHORIZATION NO. 3
TO
WORK AUTHORIZATION NO. 5

WILLIAMSON COUNTY PROJECT:
Right of Way Survey and Parcel Maps for San Gabriel Ranch Road

This Supplemental Work Authorization No. 3 to Work Authorization No. 5 is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated February 9, 2015 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Surveying and Mapping (SAM) LLC (the "Surveyor").

WHEREAS, the County and the Surveyor executed Work Authorization No. 5 dated effective November 15, 2016 (the "Work Authorization");

WHEREAS, pursuant to 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 Surveyor agree that the Work Authorization shall be amended, changed and modified as follows:

I. The above referenced Work Authorization termination date shall be modified to September 30, 2018. The Services to be Provided by the Surveyor 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".

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Surveyor understands and agrees that County's payment of amounts under this Supplemental 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 the Supplemental Work Authorization. It is further understood and agreed by Surveyor that County shall have the right to terminate this Supplemental Work Authorization 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 Surveyor.

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 Surveyor have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

SURVEYOR:	**COUNTY:**
Surveying And Mapping (SAM) LLC	**Williamson County, TX**
By: _____ Signature	By: _____ Signature
Michael R. Hatcher, RPLS Printed Name	_____ Printed Name
Sr. Vice President Title	_____ Title
01/24/2018 Date	_____ Date

Attachment C - Work Schedule

Surveyor shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Surveyor on the work schedule and authorization to proceed on assigned tasks.

Commissioners Court - Regular Session **13.**

Meeting Date: 02/06/2018

Raba Kistner Consultants Supplemental 3 to WA 1 On Call Geotechnical and Lab Testing Services

Submitted For: Robert Daigh **Submitted By:** Sarah Ramos, Infrastructure

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

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on Supplemental Work Authorization No. 3 under Williamson County Contract between Raba Kistner Consultants, Inc. and Williamson County dated February 18, 2015 for On Call Geotechnical and Lab Testing Services. This supplemental is to increase the maximum amount payable from $40,000 to $65,000.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

WA 1 - Supplemental 3 - add funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:25 AM
Form Started By: Sarah Ramos		Started On: 01/31/2018 10:14 AM
Final Approval Date: 01/31/2018		

SUPPLEMENTAL WORK AUTHORIZATION NO. 3
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD AND BRIDGE PROJECT: On Call Geotechnical and Lab Testing Services

This Supplemental Work Authorization No. 3 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated February 18, 2015 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Raba Kistner Consultants, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective February 5, 2016 (the "Work Authorization");

WHEREAS, pursuant to 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 maximum amount payable for services under the Work Authorization is hereby increased from $40,000 to $65,000. The revised Work Schedule is attached hereto as Attachment "D".

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Engineer understands and agrees that County's payment of amounts under this Supplemental 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 the Supplemental Work Authorization. It is further understood and agreed by Engineer that County shall have the right to terminate this Supplemental Work Authorization 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.

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, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:	**COUNTY:**
By: Gabriel Ornelas	By: _____
Signature	Signature
Gabriel Ornelas, Jr.	Dan Gattis
Printed Name	Printed Name
Senior Vice President	County Judge
Title	Title
4/30/2018	_____
Date	Date

LIST OF ATTACHMENTS

Attachment D - Fee Schedule

See Attached

Exhibit D – Rate Sheet

Additional Charges:	
Sulfate Testing	$75.00 Per Test
Technician Overtime	$70.00 Per Hour
Certified Welding Inspector	$95.00 Per Hour
Certified Welding Inspector Overtime	$133.00 Per Hour
Non Destructive Testing (Ultrasound)	$104.50 Per Hour
NDT Testing Overtime (Ultrasound)	$146.30 Per Hour
Geotechnical Technician Overtime	$84.00 Per Hour
Asphaltic Plant Observation	$84.00 Per Hour
One Man Coring Overtime	$84.00 Per Hour
Two Man Coring Overtime	$131.60 Per Hour

TITLE	HOURLY Rate
Principal	$ 200.00
Senior Engineer/Consultant	$ 200.00
Project Manager	$ 175.00
Project Engineer	$ 135.00
Engineer	$ 100.00
Engineer In Training	$ 90.00
Geotechnical Technician	$ 60.00
CADD Operator	$ 80.00
Clerical	$ 55.00
Geologist	$ 110.00
Environmental Scientist	$ 105.00
Lead Technician	$ 60.00
CMT Technician	$ 50.00
Archaeologist	$ 110.00
GIS	$ 90.00

DIRECT EXPENSES

Copies 8 1/2 x 11, 11 x 17	$0.16/page
Mylar 11 x 17	$2.10/page
Schematic Plots	$1.58/sq ft

-1	**Auger Drilling (Does not include logging)**		
	soil	per ft	$16.00
	soft rock	per ft	$19.00
-2	**Standard Wet Rotary (Does not include logging)**	per ft	$21.00
-3	**Nx Rock Core (Does not include logging)**		
	Soft rock (marl, shale)	per ft	$32.00
	Hard rock (limestone, sandstone)	per ft	$42.00
-4	**Non-conventional drilling** (barge drilling or unusual time consuming drilling i.e. through bridge)	per hr	$279.30
-5	**Field Logging Services**		
	Geotechnical Technician	per hr	$60.00
	Geologists	per hr	$110.00
	Engineer in Training	per hr	$90.00
-6	**Field Coordination**		
	Field Engineer	per hr	$100.00
	Flagman	per hr	$65.00
-7	**Mobilization**		
	Mobilization or truck-mounted rig, rill crew and support	per mile	$4.00
	Field logger trip charge	per mile	$1.00
	Mobilization non-standard equipment (4x4 all terrain rig)		At cost
	Barge mobilization and rental		At cost
-8	**Sampling**		
	Standard Penetration Test (ASTM D1586)	per test	$22.00
	Shelby Tube (ASTM D1587)	per test	$22.00
	Texas Cone Penetrometer Test (THD, Tex-132-E)	per test	$26.00
-9	**Other Expenses/Charges**		
	Standby Time	per hr	$225.00
	Mileage - non-drilling equipment	per mile	$1.00
	Grout backfill	per ft	$3.25
	Dozer/clearing cost		At cost
	Logger truck charge	per day	$55.00
	Standard pavement coring	each	$75.00
	Concrete/AC patch	each	$64.00
	Traffic control - signs, barricades		At cost
	All other outside expenses		At cost

FIELD AND LABORATORY UNIT FEES

ASPHALTIC CONCRETE

REFERENCE	FIELD SERVICES	
ASTM D 75	Sampling Raw Materials of Composite Mix	
	Technician Time	$ 50.00/hr
Asphalt Institute Manual	Asphaltic Plant Observation - To Verify Aggregate Size and Quality, Batch Weights and Temperature	
	Technician Time	60.00/hr
Asphalt Institute Manual	Asphaltic Site Observation - To Observe Preparation, Laydown Operations, Asphaltic Concrete Temperatures, Mat Thickness and Mat Density Determination	
	Technician Time	60.00/hr
ASTM D 2950	Nuclear Density Test with Inspection	16.00/ea
	Nuclear Density Test	25.00/ea

REFERENCE	LABORATORY SERVICES	
ASTM D 2172; TxDOT, TEX-210-F	Extraction Test, Bitumen Content and Aggregate Sieve Analysis of Asphaltic Concrete	$ 190.00/ea
ASTM D 2172; TxDOT, TEX-210-F	Extraction Test, Bitumen Content Only	131.00/ea
	Asphaltic Concrete Extraction; Bitumen Content and Aggregates; Sieve Analysis of Asphaltic Concrete; Molding Specimens (Hveem or Marshall); Laboratory Density (Molded Specimen); Stability Test (Hveem); and Maximum Theoretical Specific Gravity (Rice Gravity)	459.00/set
Hveem, TxDOT, TEX-206-F; Marshall, ASTM D 1559	Molding Specimens	
	Hveem or Marshall	60.00/set
	Superpave (2 per set)	124.00/set
TxDOT, TEX-207-F; ASTM D 2726	Laboratory Density Test	60.00/set
	a) Molded Specimen	60.00/set
	b) Asphalt Core	51.00/ea
	c) Superpave (2 per set)	72.00/set
Hveem, TxDOT, TEX-208-F; Marshall, ASTM D 1559	Stability Test	
	Marshall	58.00/set
	Hveem	73.00/set
Asphalt Institute Manual and TxDOT; Mix Designs	Corp of Engineers or FAA	1,914.00/ea
	TxDOT Quality Control/Quality Assurance	1,914.00/ea
	TxDOT CMHB	2,719.00/ea
	TxDOT Calibration Mix and Pans	320.00/ea
	TxDOT Black Base Design, Item 345	1,433.00/ea

ASPHALTIC CONCRETE, continued

REFERENCE	LABORATORY SERVICES	
TxDOT, TEX-200-F; ASTM C 136	Sieve Analysis of Aggregate	$ 39.00/ea
TxDOT, TEX-203-F; ASTM D 2419	Sand Equivalent Test	83.00/ea
AASHTO TP 33	Fine Aggregate Angularity	49.00/ea
ASTM D 4791-95	Flat and Elongated Particle	49.00/ea
TxDOT, TEX-201-F; ASTM C 127	Specific Gravity (Coarse or Fine Aggregate)	39.00/ea
TxDOT, TEX-201-F; ASTM C 127	Absorption (Coarse or Fine Aggregate) (Includes Specific Gravity)	60.00/ea
TxDOT, TEX-411-A; ASTM C 88	Sulfate Soundness (Time and Test) Preparation Time a) Magnesium - 5 Cycle b) Sodium - 5 Cycle	 51.00/hr 484.00/ea 431.00/ea
ASTM C 131; ASTM C 535	Los Angeles Abrasion Test (Time and Test) Los Angeles Abrasion Test (Small or Large Coarse Aggregate)	 187.00/ea
Asphalt Inst. SP-2 TxDOT, Item 3066 AASHTO PP 28-95	Superpave TM Mix Design (Includes Aggregate, Specific Gravity and Sieve Analysis) (Does Not Include TSR)	5,913.00/ea
TxDOT, TEX-227-F; AASHTO T 209; ASTM D 2041	Maximum Theoretical Specific Gravity (Rice Gravity)	90.00/ea
TxDOT, TEX-226-F; AASHTO T 283; ASTM D 4867	Moisture Sensitivity Test (Tensile Strength Ratio Test) with Freeze/Thaw without Freeze/Thaw	 513.00/ea 401.00/ea
TxDOT, Item 3157	Cold Processed – Recycled Paving Material (RPM) Mixture Design Mixture Verification (QC) Strength, Stability (Hveem, Modified Marshall)	 As Requested 755.00/set
TxDOT, TEX-126-E (Modified)	Molding and Strength	367.00/set
TxDOT, TEX-208-F (Modified)	Molding and Hveem	139.00/set
ASTM D 1559	Molding and Marshall	131.00/set
TxDOT, TEX-103-E	Molded Moisture Content	13.00/ea

CEMENT TREATED BASE

REFERENCE	FIELD SERVICES		
PCA	Sampling Raw Materials for Mix Verification Technician Time	$	50.00/hr
	Sampling Contractor Processed Material Technician Time		50.00/hr
REFERENCE	**LABORATORY SERVICES**		
PCA	Molding Controlled Processed Material	$	69.00/ea
PCA	Unconfined Compressive Strength Testing		31.00/ea
ASTM D 559; ASTM D 560	Durability (2 Specimens per Set) (Percent Loss in 12 Cycles) Wet Dry/Freeze Thaw		589.00/set
PCA; TxDOT, TEX-120-E; ASTM D 558	Mix Design Mix Design - Cement Treated Base (Does Not Include Durability)	$	1,171.00/ea

CONCRETE

REFERENCE	FIELD SERVICES		
ASTM C 31; ASTM C 172; ASTM C 143	Sampling Concrete to Conduct Slump Test, Measure Concrete Temperature, Cast Test Specimen and Transport Test Specimen to Laboratory Next Day Technician Time	$	50.00/hr
	Pick-Up of Test Specimen		50.00/hr
	Standby Time		50.00/hr
ASTM C 39; ASTM C 617	Cylinder Compressive Strength Testing and Reporting (In Conjunction with Sampling) a) 6x12 or 4x8 - Normal Weight or Lightweight Structural (Minimum of 4)		17.00/ea
	b) 3x6 - Lightweight Insulating Cellular (Minimum of 6 - Includes Two Dry Densities)		25.00/ea
	c) "Hold" Cylinder (Additional Charge)		11.00/ea
	d) "Strip" Cylinder (Additional Charge)		13.00/ea
	e) Compressive Strength - 2x2 Cubes		24.00/ea
	f) Dry Density - Concrete Cylinder		44.00/ea
ASTM C 78	Flexural Strength Testing and Reporting (In Conjunction with Sampling Beams)		49.00/ea
	Air Content (In Conjunction with Sampling)		
ASTM C 231	a) Pressure		32.00/ea
ASTM C 173	b) Volumetric		38.00/ea
AASHTO T 199	c) Chase		17.00/ea
ASTM C 138	Unit Weight		29.00/ea
ASTM C 143	Additional Slump Test		24.00/ea

CONCRETE, continued

ACI 311; ACI 304	Concrete Plant Observation - To Observe and Record Aggregate Types, Batch Weights, Concrete Consistency and Mixing Time Technician Time	50.00/hr
ACI 311; ACI 304	Concrete Site Observation - To Record the Consistency of Concrete, Verify and Adjust Slump within Project Specifications and Sample for Test Specimens Technician Time	50.00/hr

REFERENCE	LABORATORY SERVICES	
ACI 211.1	Hardrock Concrete Mix Design Calculations and Proportioning to Include Six Confirmatory Cylinders (Physical Properties Not Included)	$ 301.00/ea
ACI 211.1 (303.R)	Architectural Mix Design	330.00/ea
ACI 211.2	Lightweight Structural Mix Design	310.00/ea
ASTM C 270	Masonry Mortar Mix Design Including Six Cubes and Water Retention (Physical Properties Not Included)	$ 330.00/ea
ASTM C 1202	Chloride Ion Permeability	262.00/set
ASTM C 39	Cylinders Compressive Strength Testing and Reporting F.O.B. Cylinders to Our Laboratory	28.00/ea
ASTM C 496	Splitting Tensile Strength of Concrete Cylinders Tensile Test	44.00/ea
ASTM C 666	Freeze-Thaw Test	364.00/set
ASTM C 469	Determination of Young's Modulus of Elasticity (Time, Test and Set-Up)	83.00/ea
ASTM C 803	Windsor Probe (Includes Surface Preparation)	85.00/hr
ASTM C 805	Schmidt Rebound Number	85.00/hr

CONCRETE AGGREGATES

REFERENCE	FIELD SERVICES	
ASTM D 75; TxDOT, TEX-400-A	Sampling Concrete Aggregates Technician Time	$ 50.00/hr

REFERENCE	LABORATORY SERVICES	
ASTM C 566	Moisture Content	$ 13.00/ea
ASTM C 29; TxDOT, TEX-404-A	Unit Weight (Coarse or Fine) a) Loose b) Rodded	33.00/ea 33.00/ea

ASTM C 127; ASTM C 128; TxDOT, TEX-201-F	Specific Gravity (Coarse or Fine)	39.00/ea
ASTM C 123	Lightweight Particles (Plus Cost of Materials)	58.00/test
	Absorption	
ASTM C 127; ASTM C 128; TxDOT, TEX-201-F	a) Normal Weight Aggregate (Coarse or Fine) b) Lightweight Aggregate (Coarse)	25.00/ea 28.00/ea
ASTM C 136; TxDOT, TEX-401-A	Sieve Analysis (Dry) for ASTM C 33 Specifications a) Coarse, Per Sample b) Fine, Per Sample	 44.00/ea 52.00/ea
ASTM C 117; TxDOT, TEX-406-A	Amount Finer than No. 200 (Decantation)	37.00/ea
ASTM C 131; ASTM C 535	Los Angeles Abrasion (Time and Test)	187.00/ea
ASTM C 88; TxDOT, TEX-411-A	Sulfate Soundness (Time and Test) Preparation Time a) Magnesium - 5 Cycle b) Sodium - 5 Cycle	 51.00/hr 484.00/ea 431.00/ea
ASTM C 117; ASTM C 29; ASTM C 127; ASTM C 128; ASTM C 566; TxDOT, TEX-406-A; TxDOT, TEX-404-A; TxDOT, TEX-201-F; TxDOT, TEX-401-A	Physical Properties of Aggregates - Includes Decantation, Rodded Unit Weight, Specific Gravity, Absorption, Sieve Analysis and Moisture Content (Per Aggregate Type and Size) Conducted in Conjunction with Concrete Mix Design Conducted Separate from Concrete Mix Design	 144.00/ea 187.00/ea
ASTM C 40; TxDOT, TEX-408-A	Organic Impurities	38.00/ea
ASTM C 2419; TxDOT, TEX-203-F	Sand Equivalent Values	83.00/ea
ASTM C 142	Clay Lumps and Friable Particles	56.00/ea
ASTM C 641	Staining Materials in Lightweight Concrete Aggregate	56.00/ea

CORING

REFERENCE	FIELD SERVICES	
ASTM C 42; ACI 318	Technician Time and Equipment a) One Man b) Two Men c) Reinforcing Steel Detector d) Coring e) Generator	 $ 60.00/hr 94.00/hr 29.00/day 92.00/day 95.00/day
	Bit Wear a) Limestone Aggregate b) Quartz Aggregate (River Gravel)	 6.00/in.in. 7.00/in.in.

REFERENCE	LABORATORY SERVICES		
ASTM C 42	Sawed Ends for Compressive Strength Test a) Limestone Aggregate	2.00/sq.in.	
ASTM C 39; ASTM C 42; ASTM C 174; ASTM C 617	Compressive Strength of Concrete Core Includes Measurements, Capping and Testing		25.00/ea
	Report Photographs		At Cost
	Laboratory Air-Dried Unit Weight		17.00/ea

LIME

REFERENCE	FIELD SERVICES		
National Lime Association	Continuous Observation to Monitor and Record Equipment Functions, Specific Gravity of the Lime Slurry and Observation of Stabilization Location and Depth Technician Time	$	50.00/hr

REFERENCE	LABORATORY SERVICES		
ASTM D 422; TxDOT, TEX-101-E, Pt. II	Sieve Analysis of Pulverized Materials for Gradation Compliance	$	63.00/ea
ASTM D 4318; TxDOT, TEX-112-E	Lime Series Curve Determination Including Five Atterberg Limits		435.00/ea

PORTLAND CEMENT

REFERENCE	LABORATORY SERVICES		
ASTM C 183	Standard Method of Sampling Hydraulic Cement	$	50.00/hr
ASTM C 109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50mm Cube Specimen)		24.00/ea
ASTM C 185	Air Content of Hydraulic Cement Mortar		49.00/ea
ASTM C 266; ASTM C 191	Time of Setting of Hydraulic Cement by Gillmore/Vicat Needles		59.00/ea
ASTM C 151	Autoclave Expansion of Portland Cement		197.00/ea
ASTM C 187	Normal Consistency of Hydraulic Cement		49.00/ea
ASTM C 188	Specific Gravity of Hydraulic Cement		57.00/ea
ASTM C 430	Fineness of Hydraulic Cement by the No. 325 Sieve		57 00/ea
ASTM C 451	Early Stiffening of Portland Cement (Paste Method)		49 00/ea
ASTM C 114	Chemical Analysis		361 00/ea

ASTM C 91	Water Retention of Masonry Cement		92.00/ea
ASTM C 150	Chemical Analysis		361.00/ea
	Physical Analysis		717.00/ea

SOILS

REFERENCE	FIELD SERVICES		
ASTM D 75	Sampling Subgrade, Fill or Base		
	Technician Time	$	50.00/hr
	In-Place Moisture-Density Test		
	Technician Time		50.00/hr
ASTM D 2922	Nuclear Density		25.00/ea
ASTM D 2167; ASTM D 1556	Volumetric Density (Sand Cone)		72.00/ea
	Fill and Embankment Observation - Testing for Compliance with the Project Specifications to Verify Proper Moisture and Compaction Conditions in Order to Produce a Quality Fill and Uniform Workmanship (Time, Test and Mileage)		
	Technician Time (Hourly Rate)		50.00/hr.
	Proof Rolling Observation		50.00/hr
ASTM D 2922	Nuclear Density Test with Observation		16.00/ea

REFERENCE	LABORATORY SERVICES		
ASTM D 2216; TxDOT, TEX-103-E	Moisture Content	$	13.00/ea
	Atterberg Limits		
ASTM D 4318	a) ASTM or TxDOT (TEX-104, TEX-105-E, TEX-106-E)		83.00/ea
	Shrinkage Limit in Conjunction with Atterberg Limits		
ASTM D 427	a) Volumetric		102.00/ea
	b) Linear (TxDOT, TEX-107-E)		102.00/ea
ASTM D 422;	Sieve Analysis		
TxDOT, TEX-101-E;	a) Washed through No. 40 (Up to 5 Sieves)		56.00/ea
TxDOT, TEX-110-E	b) Washed through No. 200 (Up to 4 Sieves)		83.00/ea
	c) Additional Sieves		13.00/ea
ASTM D 1140	Amount Finer than No. 200 Sieve		56.00/ea
	Moisture-Density Relationship		
	Preparation Time		51.00/hr
ASTM D 698; ASTM D 1557	ASTM		249.00/ea
AASHTO T 99; AASHTO T 180	AASHTO		249.00/ea
TxDOT, TEX-113-E; TxDOT, TEX-114-E	TxDOT		249.00/ea
MIL STD CE 55A	Corps of Engineers		249.00/ea
ASTM C 131; ASTM D 535	Los Angeles Abrasion (Time and Test)		187.00/ea

ASTM D 1883	California Bearing Ratio - Short Method; Includes Moisture-Density Relationship and Three Test Specimens..	$	791.00/set
	Each Additional Specimen		163.00/ea
TxDOT, TEX-117-E	TxDOT Triaxial – Short Method; Includes Moisture-Density Relationship and Up to Six Test Specimens		
	Part I		1,314.00/set
	Part II		1,206.00/set
	Each Additional Specimen		148.00/ea
ASTM D 854; TxDOT, TEX-108-E	Specific Gravity		83.00/ea
ASTM D 422; TxDOT, TEX-110-E	Hydrometer Analysis (Includes Sample Preparation, Grain Size Curve and Specific Gravity)		273.00/ea
ASTM D 5084	Hydraulic Conductivity		421.00/ea
ASTM D 2166	Unit Weight.		29.00/ea
TxDOT, TEX-116-E	Wet Ball Mill		206.00/ea
	Water Content and Visual Classification		13.00/ea
	Unconfined Compression (includes unit dry weight)		
	a) Soil Shelby Tube Specimens		43.00/ea
	b) Rock Core Specimens		51.00/ea
	(1) Sawed Specimen Ends		11.00/end
	Triaxial Compression		
	a) Unconsolidated-Undrained, Per Specimen		78.00/ea
	b) Unconsolidated-Undrained, Multistage		273.00/ea
	Direct Shear		
	a) Unconsolidated-Undrained		217.00/ea
	b) Consolidated-Drained (Sand)		459.00/ea
	Consolidation (Not Including Specific Gravity)		565.00/ea
	Swell Test		
	a) Pressure Method		296.00/ea
	b) Free Swell		156.00/ea

GENERAL EXPENSES

Vehicle Trip Charge	$	40.00/trip

Commissioners Court - Regular Session **14.**

Meeting Date: 02/06/2018

Georgetown Annex P325 - Change Order 2

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 2 in the amount of $21,138.00 to approve additional steel reinforcing at piers, additional bond cost and waterline changes, which was executed by Dale Butler, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the reinforcing steel allowance, miscellaneous utility allowance and the Construction Managers Contingency.

Background

On September 6, 2016, the Williamson County Commissioners Court granted Dale Butler, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Chasco Constructors, LTD, L.L.P. in relation to the Williamson County Georgetown Annex Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 2

GTA CO2 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:50 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 08:26 AM
Final Approval Date: 02/01/2018		

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Order

Project:
20-15092 WILCO ANNEX - GC
151 WILCO WAY
GEORGETOWN, TX

Change Order: 2
Date: 11/10/2017
Architect's Project:

To Contractor:
CHASCO CONSTRUCTORS
P.O. BOX 1057
ROUND ROCK, TX 78680

The Contract is changed as follows:
Miscellaneous Changes

4	Additional reinforcing for vertical steel in piers	$0.00
5	Colvin Electric Additional Bond Cost	$0.00
6	Chasco Constructors Waterline Changes	$0.00
	Total:	$0.00

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$0.00
The Contract Amount prior to this Change Order was	$14,919,081.00
The Contract will be increased by this Change Order in the amount of	$0.00
The new Contract Amount including this Change Order will be	$14,919,081.00

The date of Substantial Completion as of the date of this Change Order therefore is

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACT AND OWNER.

ARCHITECT	CHASCO CONSTRUCTORS CONTRACTOR P.O. BOX 1057 ROUND ROCK, TX 78680	OWNER
(Signature)	*(Signature)*	*(Signature)*
By Keith A. Hickman	By Bill Bambrick	By Dale Butler
Date 12/28/2017	Date 12/22/17	Date 1/17/18

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 4
Date: 10/10/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Additional reinforcing for vertical steel in piers

We are pleased to offer the following specifications and pricing to make the following changes:

Item#	Description	Price
1	Additional reinforcing for vertical steel in piers - CMC CO#1	$1,714.00
2	Reduce Reinforcing Steel Allowance - CMC CO#1	$-1,714.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CR#4

CMC Capitol City Steel
14501 IH 35 N
Buda, TX 78610
Phone (512) 279-3851
Fax (512) 295-2500

CMC Change Order #: CO #1
Change Order Date: 10/4/17

CHANGE ORDER REQUEST

Customer: Chasco Constructors
2801 Kiphen Rd
Round Rock, TX 78664-2460

Project: Williamson County Annex

CMC Job #: 1723701447

Subject: Revised Pier Reinforcing

Description of Changes:

Revised reinforcing for vertical steel in piers. (2.52 TONS)

Amount of this Change Order **(excluding taxes) $ 1,714.00**

It is mutually agreed that for such change the contract price is changed by $ **1,714.00** , terms of payment are net 30 days. No retainage of funds will be allowed. If you have any questions regarding our Change Order, immediately contact the below signed to schedule a meeting to discuss it.

Chasco Constructors

Signature: _____

Date: 10-24-17

CMC Rebar

Signature: _____
Salesman - Nick Morgan

Date: _____

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 5
Date: 11/10/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Colvin Electric Additional Bond Cost

We are pleased to offer the following specifications and pricing to make the following changes:

Item#	Description	Price
1	Additional Bond Costs - COLVIN CO#1	$681.00
2	Reduce CM Contingency - COLVIN CO#1	$-681.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

Chasco CR#5
51-8920

CHANGE ORDER #
CHAS01-01

DATE: **October 4, 2017**
NAME: **Bill Bambrick**
COMPANY: **Chasco Constructors**
RE: **Williamson County Annex**
Description: Increase in Bond Amount

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$0.00
	MATERIAL TOTAL			$0.00
LABOR				
	0.00	ELECTRICIAN HOURS AT	/HOUR	$0.00
	0.00	FOREMAN HOURS AT	/HOUR	$0.00
	0.00	GEN. SUPER HOURS AT	/HOUR	$0.00
TOTAL HOURS	0	LABOR TOTAL		$0.00
MISCELLANEOUS EXPENSES				
	BOND ADDER			$681.00
	EQUIPMENT RENTAL			$0.00
	EXPEDITE SHIPPING COST			$0.00
	MISCELLANEOUS TOTAL			$681.00

MATERIAL		$0.00
MISCELLANEOUS		$681.00
LABOR		$0.00
SUBTOTAL		$681.00
OVERHEAD & PROFIT @	0%	$0.00
TOTAL		**$681.00**

HIGGINBOTHAM
Global Reach. Local Touch. Single Source.

Chasco CR#5
57-8920

P.O. Box 908
500 West 13th Street
Fort Worth, TX 76102
Tel: (817) 336-2377
Fax: (817) 347-6981
www.higginbotham.net

---------- INVOICE ----------

Colvin Electric, Inc.
3901 Kelly Lane
Pflugerville, TX 78660-5029

Invoice Date 09/29/17
Invoice No. 697236
Bill-To Code COLVI2
Client Code COLVI2
Inv Order No. 2*578403

Named Insured: Colvin Electric, Inc.

Amount Remitted: $

Please return this portion with your payment.

Make checks payable to: Higginbotham Insurance Agency

Effective Date	Policy Period	Coverage Description	Transaction Amount
09/29/17	09/29/17 to 09/29/18	SURETEC INSURANCE COMPANY Policy No. 4415621 *New - Contract Bond	17,681.00
		$1,418,100 Subcontract Performance and Payment bonds to Chasco Constructors for Williamson county Annex in Georgetown, TX Job #15092	
		Invoice Number: 697236 Amount Due:	17,681.00

*Premiums Due and Payable on Effective Date

ORIGINAL INVOICE

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 6
Date: 11/10/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Chasco Constructors Waterline Changes

We are pleased to offer the following specifications and pricing to make the following changes:

Item#	Description	Price
1	Deduct from Misc. Utility Costs	$-18,743.00
2	Waterline Changes - CHASCO SELF-PERFORM CO#1	$18,743.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

17175 - WILCO ANNEX SELF-PERFORM
CO-1 WATERLINE CHANGES **REV.1**

CR-6

DELETED ITEMS		
(1 EA) 10"X8" MJ Tapping Sleeve & Valve	$	(2,028.98)
(1 EA) 10"X4" MJ Tapping Sleeve & Valve	$	(1,275.74)
(1 EA) 6" BACK FLOW PREVENTER	$	(7,257.40)

ADDED ITEMS		
(1 EA) 12"X10" Tapping Sleeve & Valve	$	3,431.60
(60 LF) 10" DR18 C900 PVC WATERLINE	$	2,096.03
(1 EA) 6" DOUBLE CHECK ASSEMBLY	$	7,710.88
(1 LS) Extend WL Across Wilco Way	$	15,966.61

TOTAL DELETED ITEMS	$	(10,562.12)
TOTAL ADDED ITEMS	$	29,205.12
SUBTOTAL	$	18,643.00
ADDITIONAL TAP FEE	$	100.00
GRAND TOTAL	$	18,743.00

17175 - WILCO ANNEX SELF-PERFORM
CO-1 WATERLINE CHANGES PRICING BACKUP **REV.1**

CR-6

DELETED ITEMS

10"X8" MJ Tapping Sleeve & Valve		**QTY**	**UNIT**		
10"x8" Stainless Steel Tapping Sleeve 432-1000X8		-1	EA		
8" Tap x MJ Gate Valve (OL) 2 OP Nut L/ACCY		-1	EA		
8" Flange Accry Set (ZinC Plated)		-1	EA		
8" MJ Restraint Set PVC 200psi		-1	EA		
Valve Box 562 Adjustable (water)		-1	EA		
	TOTAL			**$**	**(2,028.98)**

10"X4" MJ Tapping Sleeve & Valve		**QTY**	**UNIT**		
10"x4" Stainless Steel Tapping Sleeve 432-1000X4		-1	EA		
4" Tap x MJ Gate Valve (OL) 2 OP Nut L/ACCY		-1	EA		
4" Flange Accry Set (Zinc Plated)		-1	EA		
4" MJ Restraint Set PVC 200psi		-1	EA		
Valve Box 562 Adjustable (water)		-1	EA		
	TOTAL			**$**	**(1,275.74)**

6" BACK FLOW PREVENTER		**QTY**	**UNIT**		
6" MJ Long Sleeve C153 DI T/CL		-2	EA		
6" MJ Restraint Set PVC 200psi		-2	EA		
6" MJ Restraint Set DIP 350psi		-2	EA		
6" Flange Accry Set (Zinc Plated)		-2	EA		
4'x6.5'x5' Vault w/ 6" DCDA Backflow Complete		-1	EA		
	TOTAL			**$**	**(7,257.40)**

ADDED ITEMS

12"X10" Tapping Sleeve & Valve		**QTY**	**UNIT**		
12" C900 x 10" FL SS Tapping Sleeve and Valve		1	EA		
10" MJ x Tap RW OL Gate Valve		1	EA		
10" Zinc 150# FLG Pack w/ 1/8" Red Rubber Flg		1	EA		
10" C900 PVC EBAA Megalug w/ ACC		1	EA		
562S Adjustable Valve Box 27"-37" Water		1	EA		
	TOTAL			**$**	**3,431.60**

17175 - WILCO ANNEX SELF-PERFORM
CO-1 WATERLINE CHANGES PRICING BACKUP **REV.1**

CR-6

10" DR18 C900 PVC WATERLINE	QTY	UNIT		
10" DR18 C900 PVC WATERLINE	60	LF		
10"x4" DI MJ Tee C153 L/ACC	2	EA		
4"x3" DI MJ Reducer C153	2	EA		
4" Foster Adapter w/ Accessories	1	EA		
10" Foster Adapter w/ Accessories	1	EA		
Reducer, MJxMJ, 10"x6", Ductile Iron	1	EA		
10" C9000 PVC EBAA Megalug w/ ACC	4	EA		
TOTAL			**$**	**2,096.03**

6" DOUBLE CHECK ASSEMBLY	QTY	UNIT		
6"x5'-0" FLGxPE DI Nipple, T/C, C/L	1	EA		
10"x4" DI MJ Tee C153 L/ACC	1	EA		
4"x3" DI MJ Reducer C153	2	EA		
4" Foster Adapter w/ Accessories	2	EA		
10" Foster Adapter w/ Accessories	1	EA		
Reducer, MJxMJ, 10"x6", Ductile Iron	1	EA		
10" C9000 PVC EBAA Megalug w/ ACC	1	EA		
TOTAL			**$**	**7,710.88**

EXTEND WL CONNECTION ACROSS WILCO WAY	QTY	UNIT		
Saw Cutting Asphalt	80	LF		
Load & Haul Off Spoils	14	LD		
2" Asphalt	18	SY		
Trench Safety	1	LS		
Utility Bedding	10	TN		
Flex Base	12	TN		
4" PVC Water	125	LF		
8" PVC Water	50	LF		
Tap Sleeve & Valve Connection	1	EA		
6" Backflow Preventers	1	EA		
Test & Chlorinate WL	1	LS		
TOTAL			**$**	**15,966.61**

TOTAL DELETED ITEMS	**$**	**(10,562.12)**
TOTAL ADDED ITEMS	**$**	**29,205.12**
SUBTOTAL	**$**	**18,643.00**
ADDITIONAL TAP FEE	**$**	**100.00**
GRAND TOTAL	**$**	**18,743.00**

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 3

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 10,000.00 Structural Concrete Allowance	$ 10,000.00 Reinforcing Steel Allowance	$ 10,000.00 Structural Steel Allowance	$ 70,000.00 Owner Signage Allowance	$ 10,000.00 Owner Residential Appliance Allowance	$ 60,000.00 Owner Commercial Kitchen Allowance	$ 2,500.00 Owner Interior Blinds Allowance	$ 305,099.00 Owner's Project Contingency	$ 431,081.00 CM Contingency	$ 20,000.00 Misc. Utility costs	$ 449,630.00 General Conditions	$ 418,526.00 Construction Phase Fee	$ 95,947.00 Buyout Savings (Current)	GMP Total	Total Updated Contract Amount
Contract																						$14,919,081.00	**$14,919,081.00**
CO#1, CR#1	10/17/17	10/30/17	Temporary Electrical	CHASCO	10/24/17	CHASCO	0	($18,000.00)								$18,000.00						$0.00	$14,919,081.00
CO#1, CR#2	10/17/17	10/30/17	Revise pavement cross-section	CHASCO	10/24/17	WILCO	10	$82,000.00								($82,000.00)						$0.00	$14,919,081.00
CO#1, CR#3	10/17/17	13/30	Add french drain	CHASCO	10/24/17	CHASCO	5	$32,775.00								($32,775.00)						$0.00	$14,919,081.00
CO#2, CR#4	12/22/17	1/17/18	Revise pier reinforcing at pavilion	CMC	2/6/18	JQ ENG	0	$1,714.00		($1,714.00)												$0.00	$14,919,081.00
CO#2, CR#4	VOID	VOID	Form Savers at Leave Outs	CMC		JQ ENG	0	$2,821.00	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#2, CR#5	12/22/17	1/17/18	Electrician Additional Bond Fee	COLVIN	2/6/18	CHASCO	0	$681.00									($681.00)					$0.00	$14,919,081.00
CO#2, CR#6	12/22/17	1/17/18	Waterline Changes	CHASCO	2/6/18	CHASCO	0	$18,743.00										($18,743.00)				$0.00	$14,919,081.00
CO#3, CR#7	12/7/17	12/19/17	Additional Lime Treatment	LHOIST	12/12/17	CHASCO	0	$52,152.70								($52,152.70)						$0.00	$14,919,081.00

Commissioners Court - Regular Session **15.**

Meeting Date: 02/06/2018

Georgetown Annex P325 - Change Order 4

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 4 in the amount of -($4,282.64) to accept credit for lime stabilization and approve revised floor boxes and door frame finish, which was executed by Dale Butler, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being credited to the Owners Contingency.

Background

On September 6, 2016, the Williamson County Commissioners Court granted Dale Butler, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Chasco Constructors, LTD, L.L.P. in relation to the Williamson County Georgetown Annex Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 4

GTA CO4 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:50 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 08:28 AM
Final Approval Date: 02/01/2018		

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Order

Project:
20-15092 WILCO ANNEX - GC
151 WILCO WAY
GEORGETOWN, TX

Change Order: 4
Date: 12/22/2017
Architect's Project:

To Contractor:
CHASCO CONSTRUCTORS
P.O. BOX 1057
ROUND ROCK, TX 78680

The Contract is changed as follows:
Misc. Changes

8	Lime Treatment Deduct	$0.00
9	Revise Floor Boxes	$0.00
10	Furnish Timely Door Frames in "Alumatone" in lieu of Brown	$0.00
	Total:	$0.00

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$0.00
The Contract Amount prior to this Change Order was	$14,919,081.00
The Contract will be increased by this Change Order in the amount of	$0.00
The new Contract Amount including this Change Order will be	$14,919,081.00

The date of Substantial Completion as of the date of this Change Order therefore is

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACT AND OWNER.

ARCHITECT	CHASCO CONSTRUCTORS CONTRACTOR P.O. BOX 1057 ROUND ROCK, TX 78680	OWNER
(Signature)	*(Signature)*	*(Signature)*
Keith A. Hickman	Bill Bambrick	Dale Butler
By	By	By
1 Jan 2018	12/29/2017	1/17/18
Date	Date	Date

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 8
Date: 12/22/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Lime Treatment Deduct

We are pleased to offer the following specifications and pricing to make the following changes:

LESS LIME WAS NEEDED THAN ANTICIPATED WITHIN CHANGE ORDER #03 / CHANGE REQUEST #07.

Item#	Description		Price
1	Revise Lime Treatment Amount from CO#03		$-9,585.64
2	Replace Owner's Contingency		$9,585.64
		Subtotal:	$0.00
		Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CR-8

LIME CALCULATOR

INSTRUCTIONS: Fill in Percent of Lime, Depth, Dry Weight of Soil and Square Yards. The rest is Automatic.

Percent Lime Required By Specification

8.00% FILL IN PERCENT OF LIME

Depth (in inches)

10 FILL IN INCHES

Soil Density (pounds per cubic feet dry weight)

134.3 FILL IN POUNDS PER CUBIC FEET (dry weight)

Pounds of lime applied (per square yard)

81.22 Pounds (Automatic Calculation - no input required)

Number of Square Yards on Project

15,873 FILL IN SQUARE YARDS

Total Tons of Lime Required for Project

645.24 Tons (Automatic Calculation - no input required)

- 399.21 TONS @ 7% @ 95 LBS/CF (ORIGINAL)

255.03 TONS INCREASE

x $ 166.91 $/TON

$ 42,567.06 COST INCREASE FOR LIME

CR-8

12-7-17

819.46 TONS @ 8% @ 134.3 LBS/CF

507.00 TONS @ 7% @ 95 LBS/CF

62% 312.46 + TONS

166.91 $/ TON

$52,152.70

12-8-17

$42,567.06 CORRECT ADD BASED ON CORRECT SY

<$9,585.64>

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 9
Date: 12/22/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Revise Floor Boxes

We are pleased to offer the following specifications and pricing to make the following changes:

Colvin Electric was instructed to remove installed floor boxes and replace with FL-200 type on 1st floor. On 2nd floor added additional 1" conduit to type FL-500P floor box in JP201 area.

Item#	Description	Price
1	Revise Floor Boxes - COLVIN ELECTRIC	$2,154.00
2	Reduce Owner's Contingency	$-2,154.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CR#9

CHANGE ORDER #
CHAS01-03

DATE: December 21, 2017
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: Per emails remove installed floor boxes and replace with FL-200 type on 1st floor. On 2nd floor add additional 1" conduit to type FL-500P floor box in JP201 area. See Notes:

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$140.56
	MATERIAL TOTAL			$140.56
LABOR				
	25.35	ELECTRICIAN HOURS AT	$45.00 /HOUR	$1,140.75
		LABOR TOTAL		$1,140.75
MISCELLANEOUS EXPENSES				
	FREIGHT			$30.52
	EQUIPMENT RENTAL			$0.00
	EXPEDITE SHIPPING COST			$0.00
	MISCELLANEOUS TOTAL			$30.52

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 2 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 25.35 X $45.00 X 1/2 = **$570.38**

MATERIAL		$140.56
MISCELLANEOUS		$30.52
LABOR		$1,140.75
SUBTOTAL		$1,311.83
O & P	10%	$131.18
Bond Adder	4%	$57.72
TOTAL		$1,501.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$570.38**
OH&P	**10%**	**$57.04**
Bond Adder	**4%**	**$25.10**
TOTAL		**$2,154.00**

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-03 Floor Box AVL change

[Items and ByProducts]

CR#9

Material Filter: <None>
Report: Price 1 & CO 1 by CC

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 1	U	CO Lbr 1 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combined					$140.56			25.35	
CCode: Demolition					$0.00			4.00	
69,226	1 HOUR LABOR (DEMOLITION)	4.00	$0.00	X	$0.00	1.00	E	4.00	ad
CCode: Branch Rough					$123.36			15.35	
2,029	1 GRC 90 ELBOW	5.00	$841.80	C	$42.09	37.68	C	1.88	cb
2,236	1 GRC COUPLING	5.00	$235.80	C	$11.79	7.54	C	0.38	cb
4,486	1 LOCKNUT	5.00	$62.99	C	$3.15	12.56	C	0.63	cb
7,809	1 PVC 40	100.00	$38.44	C	$38.44	5.02	C	5.02	cb
7,846	1 PVC 40 90 ELBOW	5.00	$1.38	E	$6.91	0.13	E	0.63	cb
7,993	1 PVC BEND	8.00	$0.00	X	$0.00	0.13	E	1.00	cb
8,277	1 PVC MALE TERM	5.00	$57.72	C	$2.89	12.63	C	0.63	cb
8,303	1 PVC COUPLING	31.00	$37.49	C	$11.62	12.63	C	3.91	cb
8,325	1 PVC FEMALE ADPT	10.00	$64.82	C	$6.48	12.63	C	1.26	cb
CCode: Feeder Rough					$17.20			0.00	
7,836	ALL WEATHER CLEAR CEMENT QU/	1.00	$1,719.79	C	$17.20	0.00	X	0.00	cf
CCode: Data CU Outlets					$0.00			6.00	
69,225	1 HOUR LABOR (FLOOR BOX)	6.00	$0.00	X	$0.00	1.00	E	6.00	uo
[Items and ByProducts] Total:					$140.56			25.35	

NOTES:
Type FL-200 and FL-500P floor boxes provided by others.

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 10
Date: 12/22/17
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Furnish Timely Door Frames in "Alumatone" in lieu of Brown

We are pleased to offer the following specifications and pricing to make the following changes:

Item#	Description	Price
1	Change frame color to "Alumatone" - AMERICAN DOOR	$3,149.00
2	Reduce Owner's Contingency	$-3,149.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

15092 CR#10

American Door

CONTRACTOR:	CHASCO CONSTRUCTORS	**DATE:**	12/4/2017
ADDRESS:		**ADP JOB #:**	300757
CITY, STATE,ZIP:		**JOB NAME:**	WILIAMSON COUNTY
ATTN:	MARK	**REF #:**	CCO#02
FAX#:			

THE FOLLOWING IS THE CHANGE ORDER ADD REQUIRED TO FURNISH THE TIMELY FRAMES IN "ALUMATONE" IN LIEU OF BROWN. F $ 2,519.50

	HM	WD	HDWE	PFF	LABOR
TOTAL COST	$0.00	$0.00	$0.00	$2,519.50	$0.00
OH & P 15.00%	$0.00	$0.00	$0.00	$377.93	$0.00
SHIPPING & HANDLING	$0.00	$0.00	$0.00	$251.95	$0.00
MACH SETUP FEE	$0.00	$0.00	$0.00	$0.00	$0.00
HDWE COOR FEE	$0.00	$0.00	$0.00	$0.00	$0.00
MOBILIZATION FEE	$0.00	$0.00	$0.00	$0.00	$0.00
FREIGHT OUT	$0.00	$0.00	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00	$3,149.38	$0.00

SUB TOTAL		$3,149.38
TAX	0.00%	$0.00
GRAND TOTAL		$3,149

Wm. (Bill) Barnhill, Jr. AHC

Accepted by: _____

Date: ___/___/___

7967 Blankenship Houston, TX 77055 PH: 713-681-8047

CR#10

TIMELY®
PREFINISHED STEEL DOOR FRAMES
A DIVISION OF S.D.S. INDUSTRIES, INC.

December 13, 2017

American Door Products
7967 Blankenship
Houston, TX 77055

Attn: Bill Barnhill, Jr. AHC
Re: Alumatone Pricing

Dear Bill

With regards to our Alumatone finish we added this to our standard finish list because we keep it in inventory at all times. There is still an upcharge associated with this finish and it is calculated by the lineal foot. At some point this might go away in the coming New Year but currently there is a price add for it.

Best Regards,

Dennis C. Nichols
Technical Services Mgr.

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 4

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 10,000.00 Structural Concrete Allowance	$ 10,000.00 Reinforcing Steel Allowance	$ 10,000.00 Structural Steel Allowance	$ 70,000.00 Owner Signage Allowance	$ 10,000.00 Owner Residential Appliance Allowance	$ 60,000.00 Owner Commercial Kitchen Allowance	$ 2,500.00 Owner Interior Blinds Allowance	$ 305,099.00 Owner's Project Contingency	$ 431,081.00 CM Contingency	$ 20,000.00 Misc. Utility costs	$ 449,630.00 General Conditions	$ 418,526.00 Construction Phase Fee	$ 95,947.00 Buyout Savings (Current)	GMP Total	Total Updated Contract Amount
Contract																						$14,919,081.00	**$14,919,081.00**
CO#1, CR#1	10/17/17	10/30/17	Temporary Electrical	CHASCO	10/24/17	CHASCO	0	($18,000.00)								$18,000.00						$0.00	$14,919,081.00
CO#1, CR#2	10/17/17	10/30/17	Revise pavement cross-section	CHASCO	10/24/17	WILCO	10	$82,000.00								($82,000.00)						$0.00	$14,919,081.00
CO#1, CR#3	10/17/17	13/30	Add french drain	CHASCO	10/24/17	CHASCO	5	$32,775.00								($32,775.00)						$0.00	$14,919,081.00
CO#2, CR#4	12/22/17	1/17/18	Revise pier reinforcing at pavilion	CMC	2/6/18	JQ ENG	0	$1,714.00		($1,714.00)												$0.00	$14,919,081.00
CO#2, CR#4	VOID	VOID	Form Savers at Leave Outs	CMC		JQ ENG	0	$2,821.00	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#2, CR#5	12/22/17	1/17/18	Electrician Additional Bond Fee	COLVIN	2/6/18	CHASCO	0	$681.00									($681.00)					$0.00	$14,919,081.00
CO#2, CR#6	12/22/17	1/17/18	Waterline Changes	CHASCO	2/6/18	CHASCO	0	$18,743.00										($18,743.00)				$0.00	$14,919,081.00
CO#3, CR#7	12/7/17	12/19/17	Additional Lime Treatment	LHOIST	12/12/17	CHASCO	0	$52,152.70								($52,152.70)						$0.00	$14,919,081.00
CO#4, CR#8	12/22/17	1/17/18	Lime Treatment Deduct	LHOIST	2/6/18	CHASCO	0	($9,585.64)								$9,585.64						$0.00	$14,919,081.00
CO#4, CR#9	12/22/17	1/17/18	Revise Floor Boxes	COLVIN ELECTRIC	2/6/18	KAH	0	$2,154.00								($2,154.00)						$0.00	$14,919,081.00
CO#4, CR#10	12/22/17	1/17/18	Timely Door Frames - Alumatone	AM. DOOR	2/6/18	KAH	0	$3,149.00								($3,149.00)						$0.00	$14,919,081.00

Commissioners Court - Regular Session **16.**

Meeting Date: 02/06/2018

North Campus Facility P324 - Change Order 26

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Williamson County North Campus Project; Change Order #26 in the amount of ($106.00) for the acceptance of credit for assorted door modifications, which was executed by Dwayne Gossett, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being credited to the Owner's Contingency.

Background

On September 6, 2016, the Williamson County Commissioners Court granted Dwayne Gossett, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with J. T. Vaughn Construction, LLC in relation to the Williamson County North Campus Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

NCF Change Order 26

NCF CO26 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:50 AM
Facilities Maintenance (Originator)	Gina Wrehsnig	02/01/2018 08:59 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 08:29 AM
Final Approval Date: 02/01/2018		

VAUGHN
CONSTRUCTION
3171 SE Inner Loop
Georgetown, TX
78626

T: (512) 663-7461
F: (512) 681-9752

August 30, 2017

Dwayne Gossett
Williamson County, Texas
3101 SE Inner Loop
Georgetown, TX 78620

Re: North Campus Facilities
Job No: 233901

Subj: Change Proposal No. 233901-0026

Dear Sir or Madam:

We respectfully submit our proposal for an increase to our contract in the amount of $0 (zero) dollars to provide Assorted Door Modifications per RFI 135, ASI 18 and Returned Door Submittals for the above referenced project.

Our price is valid for Ten (10) days

Please indicate your acceptance of this change proposal by signing and returning one copy of the attached Form B breakdown of our cost.

Very truly yours,
VAUGHN CONSTRUCTION

Doug Boram

Attachments:

CC:

FORM B

PROJECT: North Campus Facilities

CHANGE PROPOSAL NO: 233901-0026

QUOTATION :

Item	Labor	Materials	Subs	Total
Changes to Doors b106B and b107 due to Returned Submittals	$0.00	$0.00	$381.00	$381.00
Changes to Building d-h Doors due to Returned Submittals	$0.00	$0.00	$(1,092.00)	$(1,092.00)
Changes to Door h104 due to RFI 135	$0.00	$0.00	$435.00	$435.00
Changes to Door h135 due to ASI 18	$0.00	$0.00	$170.00	$170.00
To Be Credited to Owners Contingency	$0.00	$106.00	$0.00	$106.00
Totals	$0.00	$106.00	$(106.00)	$0.00
	Insurance, Tax, Benefits on Labor			$0.00
	Overhead			$0.00
	Fee on Subs			$0.00
	Fee on JTV			$0.00
	Bond			$0.00
	Remodel Tax			$0.00
	TOTAL			**$0.00**

TIME EXTENSION TO CONTRACT: 0 Days

Submitted Date: 8/30/2017

Accepted

VAUGHN CONSTRUCTION

By: Dwayne Donald

By: DBM
Doug Boram

Date

Proposal Valid for 10 Days

Williamson County
Williamson County North Campus Facilities
Vaughn Project No. 2339.01

VAUGHN CONSTRUCTION

Funds Tracking Log

Change Proposal No.	Change Type & No.	Time Extension (Days)		GMP Breakdown					GMP #2339.01	Total Updated Contract Amount
		Pending	Approved	Cost of Work	CM Contingency	Owner Contingency	General Conditions	Construction Phase Fee		
N/A	GMP	-	-	$18,195,395	$406,771	$406,772	$1,896,522	$625,467	$21,530,927	$21,530,927
1	OCO	0	0	$3,659	$0	($3,659)	$0	$0	$0	$21,530,927
2	OCO	10	10	$114,186	$0	($114,186)	$0	$0	$0	$21,530,927
3	OCO	0	0	$1,727	$0	($1,727)	$0	$0	$0	$21,530,927
4	OCO	0	0	$19,494	$0	($19,494)	$0	$0	$0	$21,530,927
5	OCO	0	0	$19,676	($19,676)	$0	$0	$0	$0	$21,530,927
6	OCO	0	0	$14,465	($14,465)	$0	$0	$0	$0	$21,530,927
7	OCO	0	0	$2,237	$0	($2,237)	$0	$0	$0	$21,530,927
8	OCO	0	0	$3,450	$0	($3,450)	$0	$0	$0	$21,530,927
9	OCO	0	0	$832	$0	($832)	$0	$0	$0	$21,530,927
10	OCO	0	0	$285	$0	($285)	$0	$0	$0	$21,530,927
11	OCO	0	0	$22,415	$0	($22,415)	$0	$0	$0	$21,530,927
12	OCO	0	0	$11,221	$0	($11,221)	$0	$0	$0	$21,530,927
13	OCO	0	0	($5,000)	$0	$5,000	$0	$0	$0	$21,530,927
14	OCO	0	0	$0	$0	$0	$0	$0	$0	$21,530,927
15	OCO	0	0	$79,584	$0	($79,584)	$0	$0	$0	$21,530,927
16	OCO	0	0	$9,930	$0	($9,930)	$0	$0	$0	$21,530,927
17	OCO	0	-	$2,450	($2,450)	$0	$0	$0	$0	$21,530,927
18	OCO	0	-	$1,747	$0	($1,747)	$0	$0	$0	$21,530,927
19	OCO	0	-	($1,763)	$0	$0	$1,763	$0	$0	$21,530,927
20	OCO	0	-	$75,603	$0	($75,675)	$72	$0	$0	$21,530,927
21	OCO	0	-	$10,364	$0	($10,364)	$0	$0	$0	$21,530,927
22	OCO	0	-	$6,410	$0	($6,461)	$51	$0	$0	$21,530,927
23	OCO	0	-	$24,439	($24,439)	$0	$0	$0	$0	$21,530,927
24	OCO	0	-	$33,487	($33,906)	$0	$419	$0	$0	$21,530,927
25	OCO	0	-	$8,854	($8,854)	$0	$0	$0	$0	$21,530,927
26	OCO	0	-	($106)	$0	$106	$0	$0	$0	$21,530,927
27		-	-	$0	$0	$0	$0	$0	$0	$21,530,927
28		-	-	$0	$0	$0	$0	$0	$0	$21,530,927
29		-	-	$0	$0	$0	$0	$0	$0	$21,530,927
30		-	-	$0	$0	$0	$0	$0	$0	$21,530,927
Current Amounts		**10**	**10**	**$18,655,041**	**$302,981**	**$48,611**	**$1,898,827**	**$625,467**	**$21,530,927**	**$21,530,927**

2204 Forbes Drive
Suite 101
Austin, TX 78754
512.977.0390 t
512.977.0838 f
www.bldy.com

REGISTERED ARCHITECT
MARK DAVID BROWN
77980
STATE OF TEXAS
06/16/17

Williamson County – North Campus Facility

ASI # 18 – 6/16/2017

Assorted minor modifications:

Item 1: Change the head detail at door h127a to 7/Ah9.02 and the wall type for the header is to be similar to Hs this wall need only extend to 12' a.f.f. to match adjacent masonry walls.

Item 2: Relocate east wall and door at closet h134 12" to the east

Item 3: Door h135 is to be door type N per reviewed REVISED submittal.

Item 4: Windows in hallway h260 are to be changed to 3'-8" high due to existing braces.

Project: 303393 - Williamson County North Campus Facility
Contemplated Change Order # 1
Building B Returned Submittals

1	**Single Door #B106B**	**EXISTING WAITING RM b106 from EXISTING PARTS DEPT b108**		**LHR**
-1	HMD MS 18 CRS 3070 DUTCH PG2 1 3/4 LHR (LL8)			
1	3070 1 3/4 WD 5502 QD PSRO DD PC CL07 LHR (CL; HN) DUTCH DOOR			
			Opening Total	260.51
1	**Single Door #B107**	**EXISTING WAITING RM b106 to TOILET RM b107**		**RH**
-1	HMD HF 18 CRS 3070 F PG2 1 3/4 RH (C1; LL8)			
1	3070 1 3/4 WD 5502 QD PSRO F PC CL07 RH (CL; HN)			
			Opening Total	120.49

Section Totals

Hollow Metal Doors	(737.00)
Wood Doors	1,118.00
Pre-Tax Total	**381.00**

Taxes

EX - NON-TAXABLE	-
Tax Total	-

Grand Total	**381.00**

Project: 303393 - Williamson County North Campus Facility
Contemplated Change Order # 2
Returned Submittals - Buidling D-H

1	**Single Door #G100B**	**RECEPTION G100 from OPEN OFFICE G103**	**RHR**
-1	HMD HF 18 CRS 3070 F PG2 1 3/4 RHR (45H; C1)		
1	3070 1 3/4 WD 404 LM HPLAM G PC LAM-WIL RHR (HN)		
-1	**Single Door #BL-D.G100**		
-1	Elevation BL-D		
1	**Single Door #H135**	**OFFICE H137 to OFFICE H135**	**RH**
-1	Elevation AL-A RH		
1	SU 16 A60 614 SGL 3070 Weld RH (A18_MS-; S; TB; W3SF2)		
-1	**Single Door #BL-D.H120**		
-1	Elevation BL-DH		
-1	**Single Door #BL-D.H121**		
-1	Elevation BL-DH		
-1	**Single Door #BL-D.H122**		
-1	Elevation BL-DH		
-1	**Single Door #BL-D.H123**		
-1	Elevation BL-DH		

Section Totals

Hollow Metal Doors	(298.00)
Hollow Metal Frames	(1,179.00)
Wood Doors	385.00
Pre-Tax Total	**(1,092.00)**

Taxes

EX - NON-TAXABLE	-
Tax Total	**-**

Grand Total **(1,092.00)**

Project: 303393 - Williamson County North Campus Facility
Contemplated Change Order # 6
RFI# 135 - Door Frame H104 Jamd Depth Change.

1	**Single Door #H104**	**HALL H105 from CONFERENCE RM H104**	**LHR**
1	SU 16 A60 958 SGL 3070 Weld RH (A18_MS-; S; TB; W3SF2)		

Section Totals

Hollow Metal Frames		275.00
Hollow Metal Glazing Stick (4)		160.00
	Pre-Tax Total	**435.00**

Taxes

EX - NON-TAXABLE		-
	Tax Total	-
	Grand Total	**435.00**

Project: 303393 - Williamson County North Campus Facility
Contemplated Change Order # 7
ASI# 18 - H135 Change to N-Narrow Stile Door Elevation

1	**Single Door #H135**	**OFFICE H137 to OFFICE H135**	**RH**
1	3070 1 3/4 WD 404 HPLAM N PC LAM-WIL RH (110; CL; HN)		
-1	3070 1 3/4 WD 404 HPLAM F PC LAM-WIL RH (CL; HN)		

Section Totals

Wood Doors	170.00
Pre-Tax Total	**170.00**

Taxes

EX - NON-TAXABLE	-
Tax Total	-
Grand Total	**170.00**

Williamson County Facilities - Job Cost Tracking Log

Project: North Campus Project # P324 **Change Order #:** 26

Change Order No.	Court Agenda Date	Party of Initiation	Time Ext. (Days)	GMP Breakdown						GMP Total	Total Updated Contract Amount
				Cost of Work	CM Contingency	Owner Contingency	Buyout Savings (Current)	General Conditions	Construction Phase Fee		
Contract				$ 18,027,145.00	$ 406,771.00	$ 406,772.00	$ -	$ 1,896,522.00	$ 625,467.00	$ 21,362,677.00	$ 21,362,677.00
1	03/28/17		0	$ 3,659.00	$ -	$ (3,659.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
2	03/28/17		10	$ 114,186.00	$ -	$ (114,186.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
3	05/02/17		0	$ 1,727.00	$ -	$ (1,727.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
4	05/02/17		0	$ 19,494.00	$ -	$ (19,494.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
5	05/30/17		0	$ 19,676.00	$ (19,676.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
6	05/30/17		0	$ 14,465.00	$ (14,465.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
7	05/30/17		0	$ 2,237.00	$ -	$ (2,237.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
8	05/30/17		0	$ 3,450.00	$ -	$ (3,450.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
9	06/27/17		0	$ 832.00	$ -	$ (832.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
10	06/27/17		0	$ 285.00	$ -	$ (285.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
11	06/27/17		0	$ 22,415.00	$ -	$ (22,415.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
12	06/27/17		0	$ 11,221.00	$ -	$ (11,221.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
13	06/27/17		0	$ (5,000.00)	$ -	$ 5,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
14	06/27/17		0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
15	06/27/17		0	$ 79,584.00	$ -	$ (79,584.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
16	06/27/17		0	$ 9,930.00	$ -	$ (9,930.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
17	09/12/17	A&E	0	$ 2,450.00	$ -	$ -	$ (2,450.00)	$ -	$ -	$ -	$ 21,362,677.00
18	09/12/17	A&E	0	$ 1,747.00	$ (1,747.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
19	09/12/17	Owner	0	$ 577,128.00	$ -	$ -	$ (577,128.00)	$ -	$ -	$ -	$ 21,362,677.00
20	12/05/17	A&E	0	$ 5,784.00		$ (5,856.00)		$ 72.00		$ -	$ 21,362,677.00
21	10/03/17	A&E	0	$ 10,364.00	$ (10,364.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
22	10/03/17	A&E	0	$ 6,461.00	$ (6,461.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
23	12/05/17	A&E	0	$ 15,825.00	$ (15,825.00)					$ -	$ 21,362,677.00
24	10/03/17	A&E	0	$ 33,906.00	$ (33,906.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
25	10/03/17	A&E	0	$ 8,854.00	$ (8,854.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
26		A&E	0	$ (106.00)		$ 106.00				$ -	$ 21,362,677.00
27	PENDING REVIEW									$ -	$ 21,362,677.00
28	PENDING REVIEW									$ -	$ 21,362,677.00
29	PENDING REVIEW									$ -	$ 21,362,677.00
30	10/24/17	Contractor		$ (30,000.00)	$ -	$ 30,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
31	10/24/17	A&E		$ 4,434.00	$ -	$ (4,434.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
32	11/14/17	A&E		$ 6,816.00		$ (6,816.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
33	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
34	11/14/17	Contractor		$ 5,273.00	$ (5,273.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
35	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
36	12/05/17	A&E	0	$ 1,280.00	$ (1,280.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
37	12/05/17	A&E	0	$ 1,601.00	$ (1,601.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
							$ -	$ -	$ -	$ -	$ 21,362,677.00
							$ -	$ -	$ -	$ -	$ 21,362,677.00
			10	$ 18,977,123.00	$ 287,319.00	$ 155,752.00	$ (579,578.00)	$ 1,896,594.00	$ 625,467.00	$ 21,362,677.00	$ 21,362,677.00

Commissioners Court - Regular Session **17.**

Meeting Date: 02/06/2018

North Campus Facility P324 - Change Order 29

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Williamson County North Campus Project; Change Order #29 in the amount of $3,647.00 for additional masonry and exterior louvers per Architects RFI # 167, which was executed by Dwayne Gossett, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded out of the Construction Managers Contingency.

Background

On September 6, 2016, the Williamson County Commissioners Court granted Dwayne Gossett, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with J. T. Vaughn Construction, LLC in relation to the Williamson County North Campus Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

NCF Change Order 29

NCF CO29 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:50 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 08:31 AM
Final Approval Date: 02/01/2018		

VAUGHN
CONSTRUCTION
3171 SE Inner Loop
Georgetown, TX
78626

T: (512) 663-7461
F: (512) 681-9752

September 15, 2017

Dwayne Gossett
Williamson County, Texas
3101 SE Inner Loop
Georgetown, TX 78620

Re: North Campus Facilities
Job No: 233901

Subj: Change Proposal No. 233901-0029

Dear Sir or Madam:

We respectfully submit our proposal for an increase to our contract in the amount of $0 (zero) dollars to provide Saw Cutting and Relocating Louvers in Building g Per RFI 167 for the above referenced project.

Our price is valid for Ten (10) days

Please indicate your acceptance of this change proposal by signing and returning one copy of the attached Form B breakdown of our cost.

Very truly yours,
VAUGHN CONSTRUCTION

Doug Boram

Attachments:

CC:

FORM B

PROJECT: North Campus Facilities

CHANGE PROPOSAL NO: 233901-0029

QUOTATION :

Item	Labor	Materials	Subs	Total
Saw Cutting and Relocating Louvers in Building g Per RFI 167	$0.00	$0.00	$3,647.00	$3,647.00
To Be Funded By CM Contingency	$0.00	$(3,647.00)	$0.00	$(3,647.00)
Totals	$0.00	$(3,647.00)	$3,647.00	$0.00
	Insurance, Tax, Benefits on Labor			$0.00
	Overhead			$0.00
	Fee on Subs			$0.00
	Fee on JTV			$0.00
	Bond			$0.00
	Remodel Tax			$0.00
	TOTAL			**$0.00**

TIME EXTENSION TO CONTRACT: 0 Days

Submitted Date: 9/15/2017

Accepted

By: Dwayne Bonnell

Date

VAUGHN CONSTRUCTION

By:
Doug Boram

Proposal Valid for 10 Days

Williamson County
Williamson County North Campus Facilities
Vaughn Project No. 2339.01

VAUGHN CONSTRUCTION

Funds Tracking Log

Change Proposal No.	Change Type & No.	Time Extension (Days)		GMP Breakdown						GMP #2339.01	Total Updated Contract Amount
		Pending	Approved	Cost of Work	CM Contingency	Owner Contingency	General Conditions	Buyout Savings	Construction Phase Fee		
N/A	GMP	-	-	$18,195,395	$406,771	$406,772	$1,896,522		$625,467	$21,530,927	$21,530,927
1	OCO	0	0	$3,659	$0	($3,659)	$0		$0	$0	$21,530,927
2	OCO	10	10	$114,186	$0	($114,186)	$0		$0	$0	$21,530,927
3	OCO	0	0	$1,727	$0	($1,727)	$0		$0	$0	$21,530,927
4	OCO	0	0	$19,494	$0	($19,494)	$0		$0	$0	$21,530,927
5	OCO	0	0	$19,676	($19,676)	$0	$0		$0	$0	$21,530,927
6	OCO	0	0	$14,465	($14,465)	$0	$0		$0	$0	$21,530,927
7	OCO	0	0	$2,237	$0	($2,237)	$0		$0	$0	$21,530,927
8	OCO	0	0	$3,450	$0	($3,450)	$0		$0	$0	$21,530,927
9	OCO	0	0	$832	$0	($832)	$0		$0	$0	$21,530,927
10	OCO	0	0	$285	$0	($285)	$0		$0	$0	$21,530,927
11	OCO	0	0	$22,415	$0	($22,415)	$0		$0	$0	$21,530,927
12	OCO	0	0	$11,221	$0	($11,221)	$0		$0	$0	$21,530,927
13	OCO	0	0	($5,000)	$0	$5,000	$0		$0	$0	$21,530,927
14	OCO	0	0	$0	$0	$0	$0		$0	$0	$21,530,927
15	OCO	0	0	$79,584	$0	($79,584)	$0		$0	$0	$21,530,927
16	OCO	0	0	$9,930	$0	($9,930)	$0		$0	$0	$21,530,927
17	OCO	0	-	$0	$0	$0	$0		$0	$0	$21,530,927
18	OCO	0	-	$1,747	($1,747)	$0	$0		$0	$0	$21,530,927
19	OCO	0	-	($1,763)	$0	$0	$1,763		$0	$0	$21,530,927
20	OCO	0	-	$75,603	$0	($75,675)	$72		$0	$0	$21,530,927
21	OCO	0	-	$10,364	($10,364)	$0	$0		$0	$0	$21,530,927
22	OCO	0	-	$6,410	($6,461)	$0	$51		$0	$0	$21,530,927
23	OCO	0	-	$15,825	($15,825)	$0	$0		$0	$0	$21,530,927
24	OCO	0	-	$33,487	($33,906)	$0	$419		$0	$0	$21,530,927
25	OCO	0	-	$8,854	($8,854)	$0	$0		$0	$0	$21,530,927
26	OCO	0	-	($106)	$0	$106	$0		$0	$0	$21,530,927
27	OCO	0	-	$2,940	$0	($2,940)	$0		$0	$0	$21,530,927
28	OCO	0	-	$563	$0	($563)	$0		$0	$0	$21,530,927
29	OCO	0	-	$3,647	($3,647)	$0	$0		$0	$0	$21,530,927
30	OCO	0	-	$0	$0	$0	$0		$0	$0	$21,530,927
31	OCO	0	-	$0	$0	$0	$0		$0	$0	$21,530,927
32	OCO	0	-	$0	$0	$0	$0		$0	$0	$21,530,927
33	OCO	0	-	$0	$0	$0	$0		$0	$0	$21,530,927
Current Amounts		**10**	**10**	**$18,651,127**	**$291,826**	**$63,680**	**$1,898,827**		**$625,467**	**$21,530,927**	**$21,530,927**

REQUEST FOR INFORMATION

VAUGHN CONSTRUCTION
3171 SE Inner Loop
Georgetown, TX
78626

T: (512) 663-7461
F: (512) 681-9752

RFI NO: 167

To: Brody Harris
BLGY, Inc.
2204 Forbes Dr., Suite 101
Georgetown, TX 78754
Phone: (512) 977-0390
Fax:

From: Thomas Morrill

Date: 8/15/2017

Required By: 8/18/2017

Owner: Williamson County, Texas

Job No : 233901

Project: North Campus Facilities
3171 SE Inner Loop
Georgetown, TX 78626

Re: Building G Louvers

Spec. Section:

Drawing Number: Mg-2.01

Other Reference:

Question:
Drawing Mg-2.01 shows two (2) 30x24 louvers with motorized dampers to be installed just below the roof. A wind brace beam has been installed between column lines 4 and 5. There is only 15" between the bottom of the wind brace beam and purlin. Pleases see attached drawings and pictures showing the louver locations.

Proposed Answer:
Please advise.

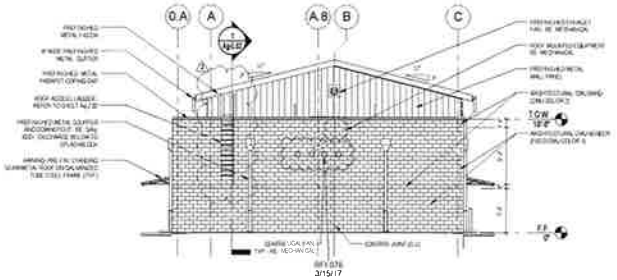
Answer:
Install louvers as proposed by Architect. Reference attached Sheet 'Ag-5.01' labeled 'RFI 167 Building g Louvers - Architect Proposed'. Mechanical Contractor to coordinate damper actuators with structural and block walls.
RCD (HCE) 8/17/17

Very truly yours,

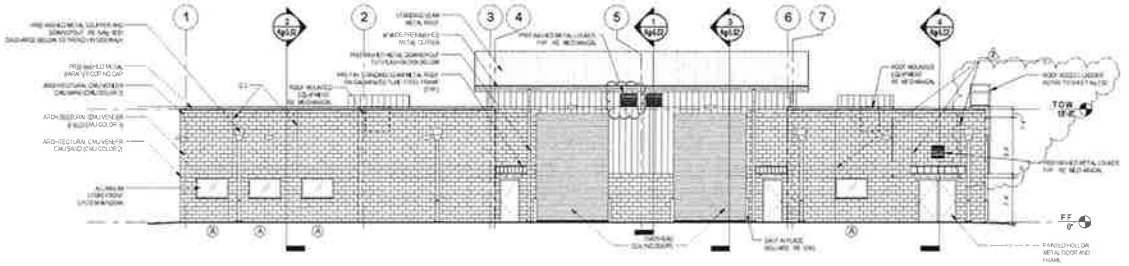
VAUGHN CONSTRUCTION

Attachments:

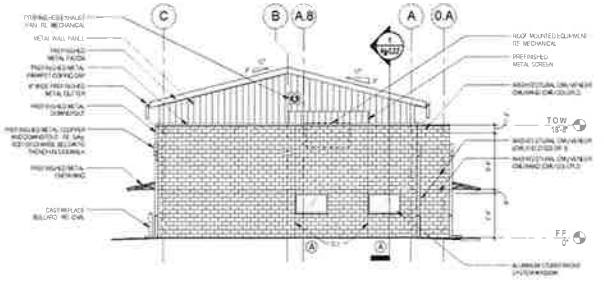
CC: Mark Brown - BLGY



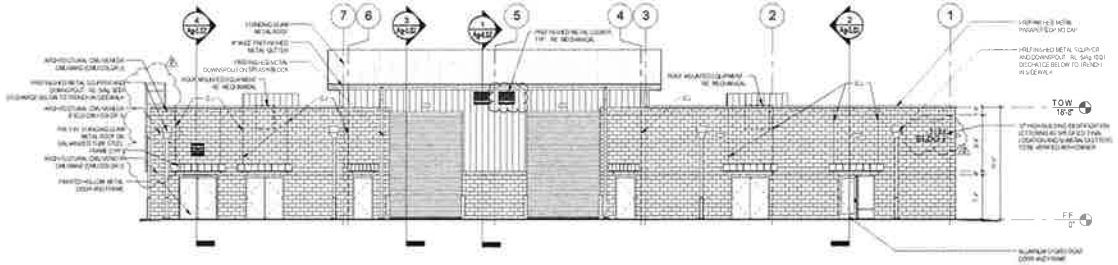
4 **EXTERIOR ELEVATION - WEST**
1/8" = 1'-0"



3 **EXTERIOR ELEVATION - NORTH**
1/8" = 1'-0"



2 **EXTERIOR ELEVATION - EAST**
1/8" = 1'-0"



1 **EXTERIOR ELEVATION - SOUTH**
1/8" = 1'-0"

BUDY ARCHITECTURE
2204 TOWNES DRIVE
SUITE 101
AUSTIN, TX 78704
(512) 972-0340

ASSOCIATE ARCHITECT
TWG ARCHITECTURE GROUP
702 SAN ANTONIO ST
AUSTIN, TX 78701
512-342-1520

CIVIL
HUNT ASSOCIATES
4000 W SPICEWOOD LN
SUITE 450
AUSTIN, TX 78750
512-777-4600

STRUCTURAL
JAUER-QUINTANILLA & ASSOC.
1008 W. 6TH
SUITE 101
AUSTIN, TX 78703
512-474-4994

MEP
MORNING CONSULTING ENGINEERS
115 E. MAIN ST.
ROUND ROCK, TX 78664
512-218-0880

LANDSCAPE
J. BURNAM & ASSOCIATES
1009 SLACK MOUNTAIN DR
AUSTIN, TX 78737
512-471-2096

PLUMBING
SDG
11447 EL CAMINO REAL
SUITE 200
ENCINITAS, CA 92024
760-436-1482

F.P.A.E
TEXAS FIRE DESIGN
P.O. BOX 91191
AUSTIN, TX 78709
512-407-6447

ACOUSTICS
RA
4004 SPICEWAY
AUSTIN, TX 78731
512-451-3464

TECHNOLOGY & SECURITY
TRUE NORTH CONSULTING GROUP
P.O. BO. 2144
ROUND ROCK, TX 78683
254-229-9894

ROOFING/WATERPROOFING
APMCI
4705 MAHAMAS DR
AUSTIN, TX 78747
512-451-2411

NORTH CAMPUS FACILITY

WILLIAMSON COUNTY
3151 SE INNER LOOP

PROJECT NO.: 13-2850
ISSUE DATE: 07/14/2016

1	ADDENDUM #1 8.15.16

VEHICLE INSPECTION EXTERIOR ELEVATIONS

Ag-5.01

MECHANICAL KEYED NOTES

THESE NOTES APPLY TO THIS SHEET ONLY

M1 WITH DOOR EXHAUST FAN WITH THERMOSTAT, COORDINATE FINAL LOCATION OF THERMOSTAT WITH OWNER. FAN SHALL ENERGIZE WHEN SPACE TEMPERATURE REACHES 75 DEG. F OR ABOVE.

M2 INSTALL LOUVER LOW IN WALL. REFERENCE ARCHITECTURAL FOR EXACT LOCATION. PROVIDE SHEET METAL SLEEVES THROUGH WALL CONNECTED TO MOTORIZED BACKDRAFT DAMPER. MOTORIZED DAMPER TO BE INTERLOCKED WITH ASSOCIATED EXHAUST FAN.

M4 CONDENSATE TO BE ROUTED TO NEAREST MOP SINK. REFERENCE PLUMBING.

M5 OUTSIDE AIR DUCT TO CONNECT TO RETURN AIR PLENUM. PROVIDE MOTORIZED DAMPER AND MANUAL BALANCE FOR BALANCING. ACCESSIBLE LOCATION IN DROP TO RETURN AIR PLENUM. ROUTE DUCT STRAIGHT UP TO ROOF. PROVIDE WITH ROOF CAP.

M6 CONDENSATE TO BE ROUTED TO NEAREST CODE APPROVED RECEPTACLE. COORDINATE FINAL TERMINATION WITH PLUMBING CONTRACTOR.

M8 PROVIDE OPENINGS ON TOP OF RETURN AIR DUCTWORK COVERED WITH 1/2" HARDWARE CLOTH MOUNTED IN REMOVABLE FRAME.

M9 INSTALL FAN IN CABLE ABOVE LOW ROOF. PROVIDE FAN WITH WALL HOUSING, BIRD/RODENT GUARD, MOTORIZED DAMPER, AND WEATHER HOOD. COORDINATE FINAL LOCATION AND ELEVATION WITH ARCHITECT.

M10 ACOUSTICALLY LINED TRANSFER DUCT LOCATED ABOVE CEILING TURN IN ELBOW UP ON BOTH ENDS. COORDINATE LOCATION WITH ARCHITECTURAL AND ALL TRADES.

M11 PROVIDE 6" WALL SLEEVE/FOOT PORT (SP) ALIGNED AS SHOWN ON DRAWINGS. COORDINATE FINAL LOCATION WITH ARCHITECT. GARAGE DRY DOOR PORT ASSEMBLY WITH THERMAL DOOR COVER, COMPRESSIBLE THICKNESS PRIOR TO ORDERING. PROVIDE A TOTAL OF TWO 10"Ø DIAMETER CARBON STEEL TYPE 0.25 FITTINGS ASSEMBLIES WITH SPRAY NOZZLE FOR THE TOTAL HEIGHT FINAL HEATER TYPE WITH OWNER. PROVIDE HOOK FOR HANGING HOSE BY EACH DOOR, TYP. 4

M12 LOCATE HEAT PUMP ON ROOF. PROVIDE SUPPORT PER SPECIFICATIONS. REFERENCE CONDENSING UNIT SUPPORT DETAIL ON DETAIL SHEETS.

M13 ALL DUCTWORK IN THIS ROOM SHALL BE GALVANIZED SHEET METAL.

M14 GAS FIRED UNIT HEATER, UNIT ELEVATION SHALL BE 16' ABOVE FINISH FLOOR. COORDINATE FINAL LOCATION WITH ALL OTHER TRADES. PROVIDE CONCENTRIC VENT THROUGH ROOF AS REQUIRED. LOCATE THERMOSTAT AS SHOWN.

M15 LOUVER. REFERENCE ARCHITECTURAL FOR EXACT LOCATION. PROVIDE SLEEVE THROUGH WALL ON BACK OF LOUVER CONNECTED TO EXPLOSION PROOF GRAVITY BACKDRAFT DAMPER. BOTTOM OF PLENUM TO BE WATER TIGHT AND SLOPED TO DRAIN TOWARDS EXTERIOR.

M16 PROVIDE AS RETURN AIR BOOT PER DETAIL ON DETAIL SHEETS. TYPICAL FOR ALL RETURN AIR GRILLES.

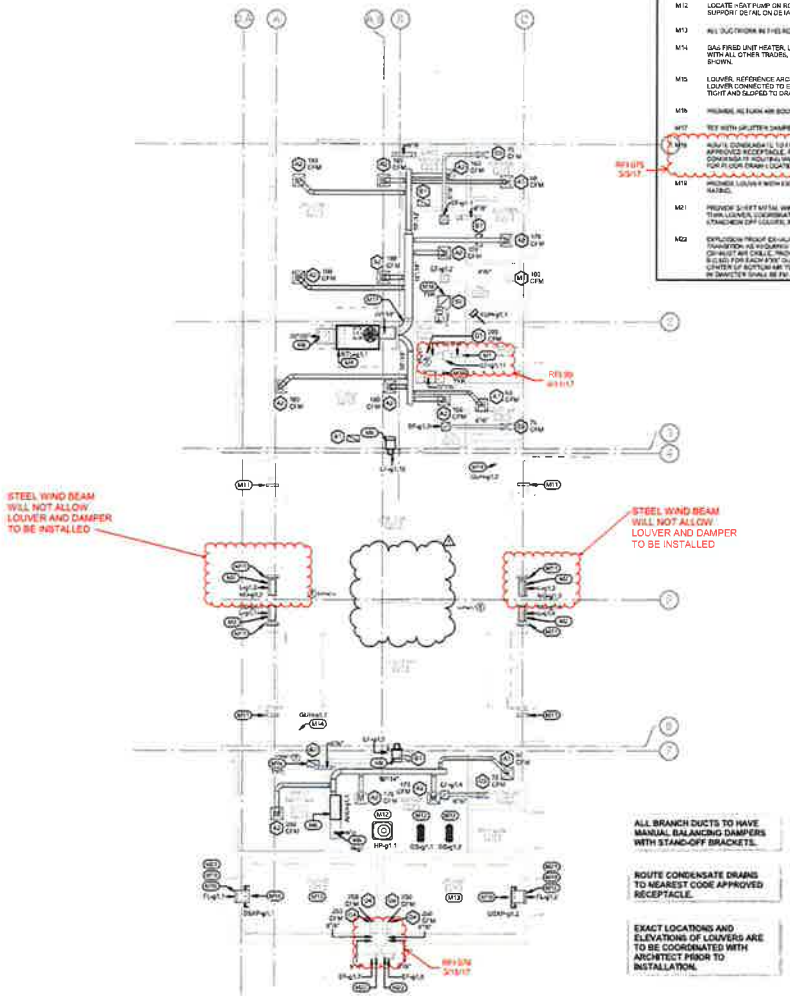
M17 TEE WITH LOUVERED DAMPER.

M19 ROUTE CONDENSATE TO TOP FLOOR DRAIN IN STORAGE 0113 MECHANICAL ROOM DRYS OR TO NEAREST CODE APPROVED RECEPTACLE. PROVIDE DRYWELL PER DETAIL ON DETAIL SHEETS IF REQUIRED. COORDINATE FINAL CONNECTION WITH PLUMBING WITH ARCHITECT AND PLUMBING CONTRACTOR. REFERENCE PLUMBING FLOOR PLAN FOR FLOOR DRAIN LOCATION.

M18 PROVIDE LOUVER WITH EXPLOSION PROOF GRAVITY DAMPER WITH A CLASS 1, DIVISION 2, GROUP B,C, AND D RATING.

M21 PROVIDE SHEET METAL WINGS/DEFLECTORS WITH MITERED EDGES FOR INTAKE LOUVER TO LARGER IN EACH DIRECTION THAN LOUVER. COORDINATE PAINT COLOR AND CONNECTION METHOD TO BUILDING WITH ARCHITECT. PROVIDE 2" STANDOFF OFF LOUVER, PROVIDE WITH MOUNTING HARDWARE.

M22 EXPLOSION PROOF EXHAUST FAN. PROVIDE WITH EXPLOSION PROOF GRAVITY BACK DRAFT DAMPER AND TRANSITION AS REQUIRED TO TWO 8"ØX" DUCTS. EACH DUCT CONNECTED TO TYPE 316 STAINLESS STEEL TOP HAT AIR GRILLE. PROVIDE EXPLOSION PROOF MANUAL BALANCING DAMPER CLASS 1, DIVISION 2, GROUPS B,C,AND D FOR EACH 8"ØX" DUCT. CENTER OF TOP AIR TERMINAL SHALL BE LOCATED WITHIN 6" OF ROOF CURBING. CENTER OF BOTTOM AIR TERMINAL SHALL BE LOCATED WITHIN 6" OF FLOOR. ALL DUCTWORK GREATER THAN 10" IN DIAMETER SHALL BE FM APPROVED. COORDINATE FINAL REQUIREMENTS WITH ARCHITECT. BUILDING OWNER.



01 FLOOR PLAN - BUILDING 'g' - MECHANICAL
SCALE: 1/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS

BLOY ARCHITECTURE
2204 FORTUNE DRIVE
SUITE 101
AUSTIN, TX 78704
(512) 327-0150

ASSOCIATE ARCHITECT

CIVIL

STRUCTURAL

MEP

LANDSCAPE

FIRE SPR

E.I.T.A.E.

ACOUSTICS

TECHNOLOGY & SECURITY

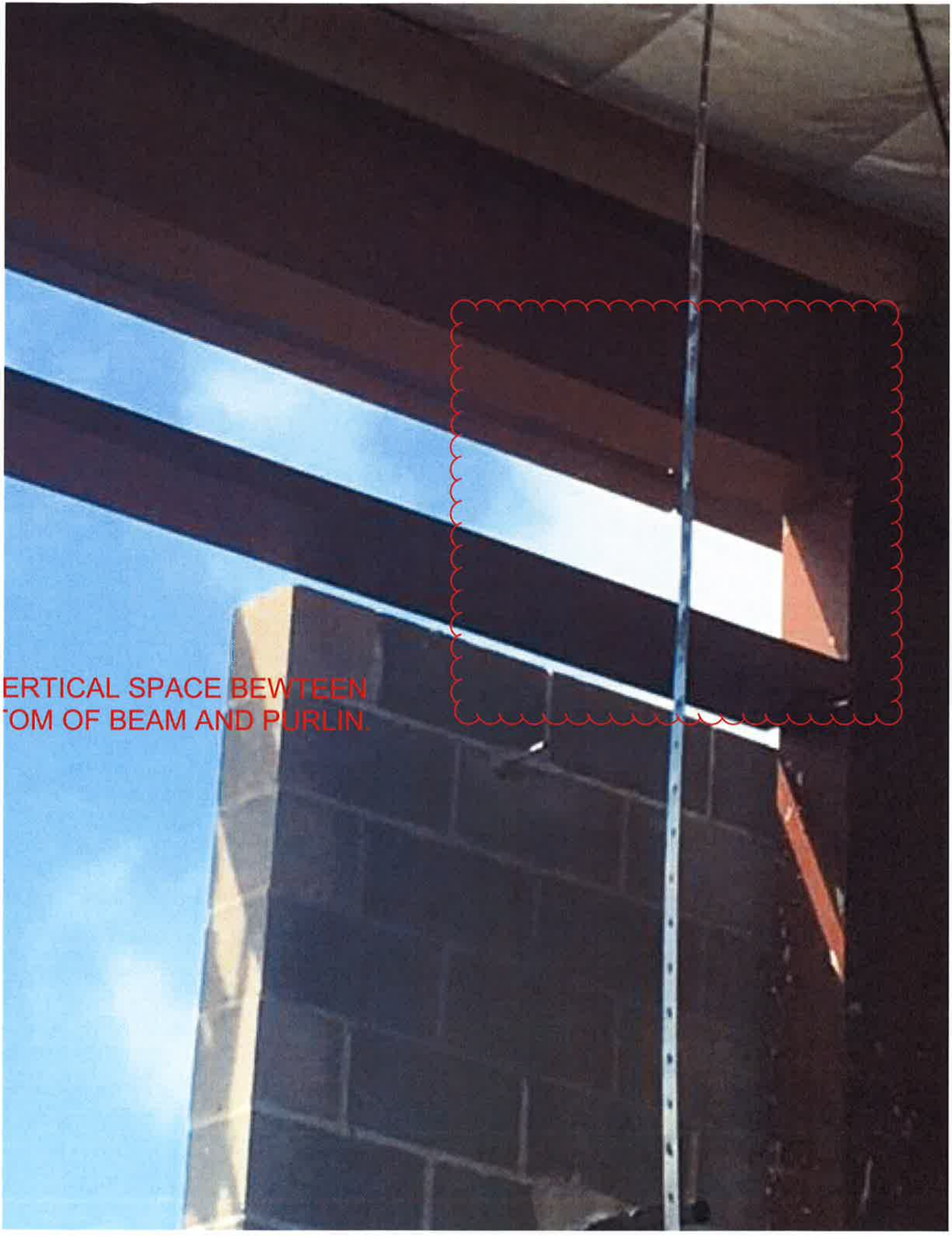
ROOF/BAL/WATERPROOFING

NORTH CAMPUS FACILITIES
WILLIAMSON COUNTY
3151 SE INNER LOOP

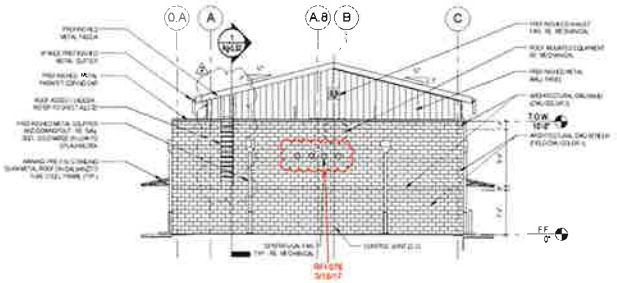
PROJECT NO.: 15-2800
ISSUE DATE: 07-14-16

VEHICLE INSPECTION BUILDING - FLOOR PLAN - MECHANICAL

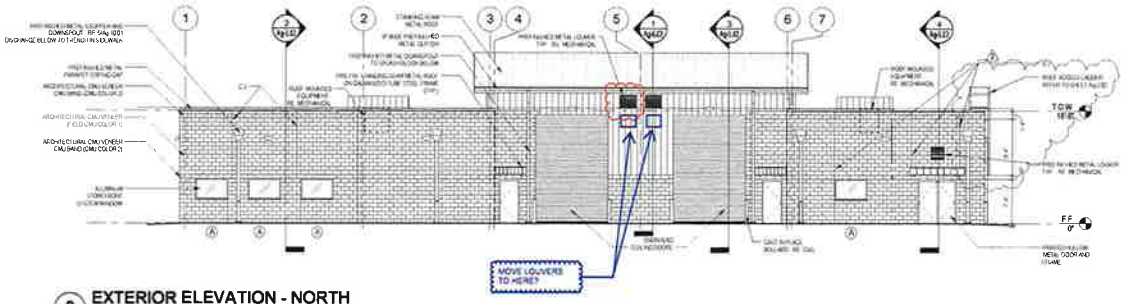
Mg-2.01


ERTICAL SPACE BEWTEEN
OM OF BEAM AND PURLIN.

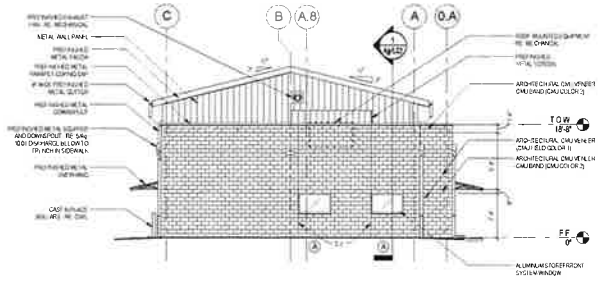
RFI 167
Building g Louvers - Architect Proposed



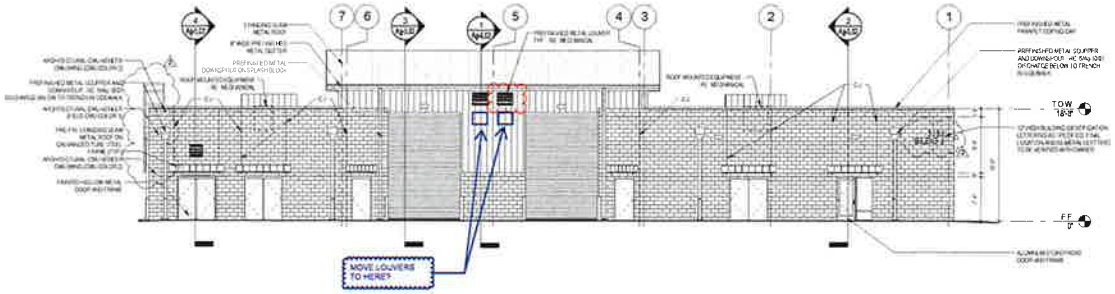
4 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



3 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



2 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



1 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

BLGY ARCHITECTURE

ASSOCIATE ARCHITECT

CIVIL

STRUCTURAL

MEP

LANDSCAPE

CEILING

F.P.&.T

ACOUSTICS

TECHNOLOGY & SECURITY

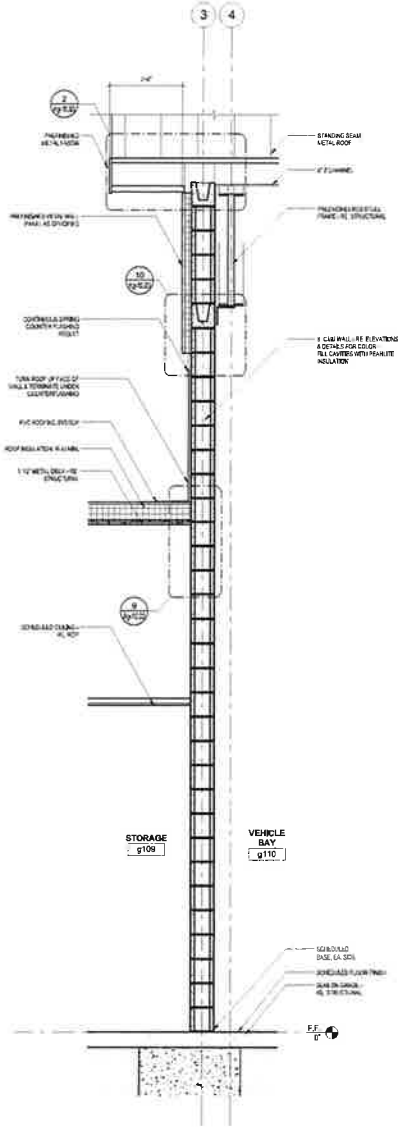
ROOFING/WATERPROOFING

NORTH CAMPUS FACILITY
WILLIAMSON COUNTY
3151 SE INNER LOOP

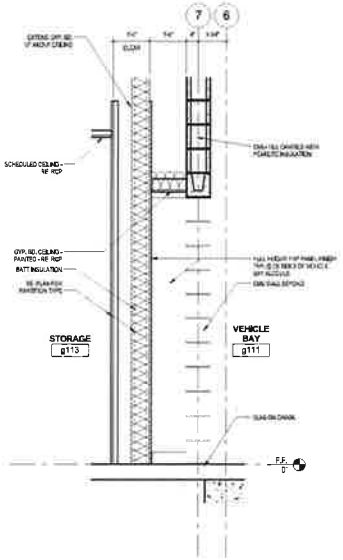
PROJECT NO.: 15-2800
ISSUE DATE: 07/14/2018

VEHICLE INSPECTION EXTERIOR ELEVATIONS

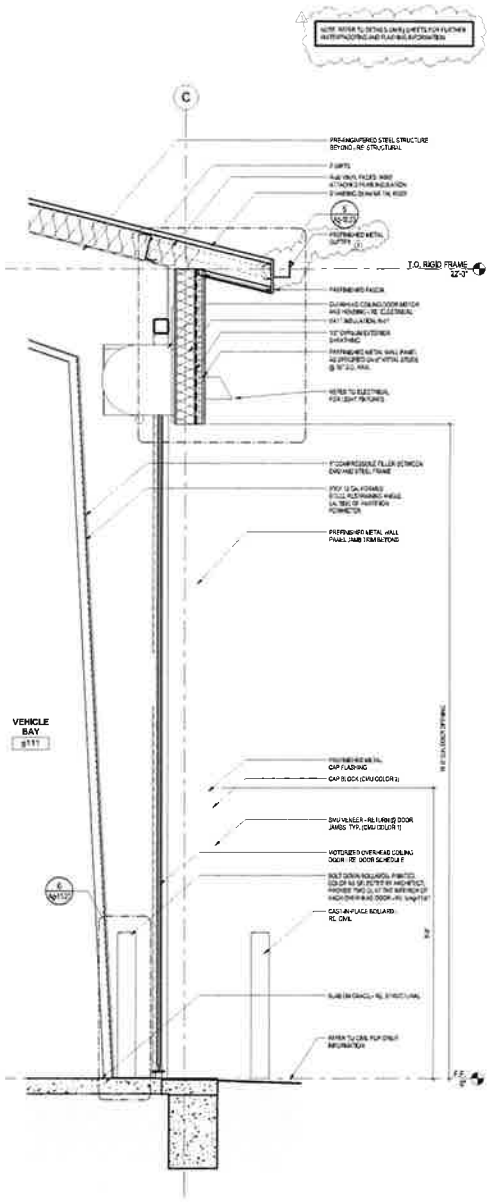
Ag-5.01



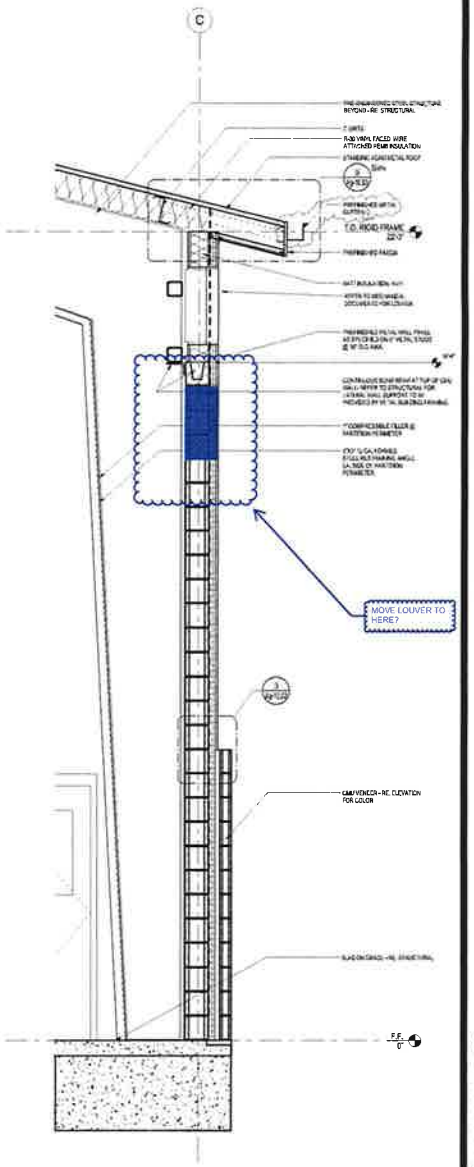
4 **VEHICLE BAY - EAST WALL SECTION**
3/4" = 1'-0"



3 **VEHICLE BAY ALCOVE - SECTION**
3/4" = 1'-0"



2 **VEHICLE BAY - SOUTH WALL SECTION**
3/4" = 1'-0"



1 **VEHICLE BAY - WALL SECTION**
3/4" = 1'-0"

BUGY ARCHITECTURE
2201 TOWER DRIVE
SUITE 106
AUSTIN, TX 78754
(512) 977-0550

ASSOCIATE ARCHITECT

CIVIL

STRUCTURAL

MEP

LANDSCAPE

FIRE/LIFE SAFETY

F.F.&E.

ACOUSTICS

TECHNOLOGY & SECURITY

ROOFING / WATERPROOFING

NORTH CAMPUS FACILITY

WILLIAMSON COUNTY
3151 SE INNER LOOP

PROJECT NO. 15-2800
ISSUE DATE 07/14/2016

VEHICLE INSPECTION BUILDING WALL SECTIONS

Ag-6.02

LOCHRIDGE PRIEST
HEATING • AIR CONDITIONING • PLUMBING

TACLA28343C

M-41036

Price Change Order # **012**

Date: **August 30, 2017**

To: **Vaughn Construction**
3920 N. IH-35
Austin, Texas 78751

Attn: **Doug Boram**

Job Name: **Williamson County North Campus Facility**

Job Location: 3171 SE Inner Loop
Georgetown, Texas 78626

LP Job #: **HC16-651**

Reference: **Relocate Louvers in Bldg G Per RFI-167A**

Please (add) the amount below per the items listed in the breakout sheet. This change proposal is for locating and saw cutting the holes in the wall for relocated wall louvers in Building G.

Base Bid Total: **$3,647.00**

Inclusions: Material and Labor

Exclusions: **Bond, overtime and original contract exclusions.**

By:

Mark Veselka
Project Manager

Please Note: Lochridge Priest has the right to reprice this change order in the event that the supplied information is incorrect or differs from the actual field situation.

HVAC & PLUMBING SHORT RECAP

JOB NAME: Williamson County Courthouse
LOCATION: 3171 SE Inner Loop, Georgetown, Texas 78626
PRINT TIME: 8/30/2017 13:54
BID DATE: 11/11/2016
EST. NO.: CP-12

LABOR RATE: $ 40.00
MCA %: 100%

	QUAN	DESCRIPTION		MAN HRS UNIT HRS	MAN HRS EXT HRS	EQUIP $	MAT'L $	LABOR $	SUB-MISC
PLUMBING	1			0	0	$ -		$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -		$ -
	1			0	0	$ -	$ -	$ -	$ -
	1	20% ADD FOR MED. GAS. PIP		0	0	$ -	$ -	$ -	$ -
	1	10% ADD FOR DOM. WTR. PI		0	0	$ -	$ -	$ -	$ -
	-	TAG & ID		-	0		$ -	$ -	$ -
	-	TESTING	10.0%	-	0			$ -	$ -
	-	SUPERVISION	10.0%	-	0			$ -	$ -
	PLUMBING TOTALS →				0	$ -	$ -	$ -	$ -
PIPING	QUAN	DESCRIPTION							
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	10% ADD FOR 1" & DOWN PIP		0	0	$ -	$ -	$ -	$ -
	-	TAG & ID		-	0	$ -	$ -	$ -	$ -
	-	SUPERVISION	10.0%	-	0	$ -	$ -	$ -	$ -
	PIPING TOTALS				0	0	0	0	0
SHEETMETAL		#'S OF DUCT:					$ -		
	LABOR RATES						$ -		
		$ 40.00	SHOP	-	0		$ -	$ -	
		$ 40.00	HANDLING	-	0		$ -	$ -	
		$ 40.00	FIELD	-	0		$ -	$ -	
	QUAN	DESCRIPTION							
		Sheetmetal Shop Expense							$ -
	1	20% FIELD CORR. FACTOR		0	0	$ -	$ -	$ -	$ -
	4	Relocate Wall Louver		1	4	$ -	$ -	$ 160	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	1			0	0	$ -	$ -	$ -	$ -
	1	-		0	0	$ -	$ -	$ -	$ -
	-	SUPERVISION	10.0%		0	$ -	$ -	$ 16	$ -
	SHEETMETAL TOTALS				4	$ -	$ -	$ 176	$ -
	HVAC TOTALS →				4	$ -	$ -	$ 176	$ -

	LINE	DESCRIPTION	VENDOR	EQUIP $	MAT'L $	LABOR $	SUBCONTRACTOR
SUB&MISC	1	INSULATION		$ -	$ -	$ -	$ -
	2	TEMP CONTROLS		$ -	$ -	$ -	
	3	Saw cutter	TC&C	$ -	$ -	$ -	$ 2,400
	4			$ -	$ -	$ -	$ -
	5	-		$ -	$ -	$ -	$ -
	6	-		$ -	$ -	$ -	$ -
	7	CLEAN UP CREW	2.0%	$ -	$ -	$ 4	$ -
	8	EQUIPMENT RENTAL					$ 325
	9	SU; T & B ; G & A				$ -	$ 110
	-	SMALL TOOL/MISC MTL/WARRANTY			$ -		$ -
	SUB & MISC. TOTALS			$ -	$ -	$ 4	$ 2,835

STARTUP LABOR RATE: $ 90.00
EQUIPMENT ADJUSTMENT: $ -
WARRANTY %: 4%
MISC. MATERIAL %: 17%

DESCRIPTION:

SUMMARY

	HVAC	SUB & MISC.	PLUMBING	TOTALS
EQUIP	$ -	$ -	$ -	$ -
MATL	$ -	$ -	$ -	$ -
LABOR	$ 176	$ 4	$ -	$ 180
S/M	$ -	$ 2,835	$ -	$ 2,835
0.00% TAX	$ -	$ -	$ -	$ -
COST	$ 176	$ 2,838	$ -	$ 3,014
10% GEN. COND.	$ 18	$ 284	$ -	$ 301
SUBTOTAL	$ 194	$ 3,122	$ -	$ 3,316
10% FEE	$ 19	$ 312	$ -	$ 332
BID W/O BOND	$ 213	$ 3,434	$ -	$ 3,647
PERF. BOND →				$ -
JOB TOTAL BID →				$ 3,647
% M/U v LABOR	11.0%	8869.6%	0.0%	184.7%

Lochridge Priest

GENERAL ADMININSTRATIVE & MISCELLANEOUS SUMMARY

JOB NAME: Williamson County Courthouse
LOCATION: 3171 SE Inner Loop, Georgetown, Texas 78626

PRINT TIME: 8/30/2017 13:43
BID DATE: 11/11/2016
EST. NO.: CP-12

	GEN & ADMIN DESCRIPTION	UNIT COST	UNIT MEASURE	QUANTITY	TOTAL COST
1	PROJECT MANAGER	$ 75	Hr	1.00	$ 75
2	ASSISTANT PROJECT MANAGER	$ 10,700	Month	0.00	$ -
3	SUPERINTENDENT	$ 15,500	Month	0.00	$ -
4	SECRETARIES	$ 35	Hr	1.00	$ 35
5	PROJECT OFFICE	$ 2,062	Month	0.00	$ -
6	ENGINEERING	$ 99	Hour	0.00	$ -
7	TELEPHONE/FAX/OFFICE SUPPLIES	$ 1,000	Month	0.00	$ -
8	SHEET METAL CARTAGE	$ 700	Trip	0.00	$ -
9	PICK-UP & DELIVERIES	$ 375	Each	0.00	$ -
10	NEW HIRE COSTS/SAFETY TRAINING	$ 500	Each	0.00	$ -
11	ESTIMATING	$ 80	Hour	0.00	$ -
12	SHOP & RECORD DRAWINGS - 8% OF LABOR	$ 45	Hour	0.00	$ -
	GENERAL ADMINISTRATIVE SUMMARY TOTAL				**$ 110**

EQUIPMENT RENTAL

DESCRIPTION	UNIT COST	UNIT MEASURE	QUAN.	TOTAL COST
185 CFM AIR COMP W/HOSES	$ 2,174.00	MONTH	0	$ -
SCISSOR LIFT -- 15 FT ELEC	$ 300.00	Week	1	$ 300
GENERATOR - 4000 WATT	$ 457.00	MONTH	0	$ -
FORK LIFT -- WAREHOUSE 5000LB	$ 1,716.00	MONTH	0	$ -
SKYTRACK	$ 3,457.00	MONTH	0	$ -
WELDING MACHINE - GASOLINE	$ 692.00	MONTH	0	$ -
BACKHOE -- 12 FT	$ 3,082.00	MONTH	0	$ -
TRACKHOE -- 13-15 FT	$ 5,102.00	MONTH	0	$ -
COMPACTOR	$ 500.00	MONTH	0	$ -
TRENCHER	$ 9,500.00	Week	0	$ -
TRENCHER DELIVERY/PICKUP	$ 750.00	LOT	0	$ -
FUEL	$ 1,073.00	LOT	0	$ -
RENTAL EQUIPMENT INSURANCE	$ -		0	$ -
RENTAL EQUIPMENT TAX				$ 25
TOTAL EQUIP RENTAL				**$ 325**

BALANCE -- STARTUP
AIR & WATER

QUAN	DESCRIPTION	PIPING STRTUP UNIT	PIPING BAL UNIT	SHEETMETAL STRTUP UNIT	SHEETMETAL BAL UNIT	PIPING STRTUP EXT	PIPING BAL EXT	SHEETMETAL STRTUP EXT	SHEETMETAL BAL EXT
1		0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	G/R/D	0.00	0.00	0.00	0.50	0	0	0	0
	SUB-TOTALS					**0**	**0**	**0**	**0**
						PIPING		SHT MTL	
	START UP TOTALS					**0** MANHRS		**0** MANHRS	
	BALANCE TOTALS					**0** MANHRS		**0** MANHRS	

	MNHRS	COST
STARTUP - PIPING	**0**	$ -
STARTUP - SHEETMETAL	**0**	$ -
BALANCE - PIPING	**0**	$ -
BALANCE - SHEETMETAL	**0**	$ -
TOTAL	0	$ -

Mark Veselka

From: Kris Gooding <kris@texascurbcut.com>
Sent: Thursday, August 24, 2017 1:17 PM
To: Mark Veselka
Subject: Re: Wilco Saw Cutting Wall

Mark,
I apologize but our server was down this morning. I will send you a quote later today but you are looking at $600.00 each for the four openings. That is with you providing the lift needed.

Sent from my iPad

On Aug 23, 2017, at 3:45 PM, Mark Veselka <mark@lochridgepriest.com> wrote:

> These are on outside walls
>
> Thanks,
> Mark Veselka
> Project Manager
> Lochridge-Priest, Inc.
> Cell: (254) 379-3059
> Direct Phone: (254) 492-8158
> Direct Fax: (254) 492-8258
> <image001.png>
>
> **From:** Kris Gooding [mailto:kris@texascurbcut.com]
> **Sent:** Wednesday, August 23, 2017 3:44 PM
> **To:** Mark Veselka <mark@lochridgepriest.com>
> **Cc:** John Bayer <jbayer@lochridgepriest.com>; Josh Allman <jallman@lochridgepriest.com>
> **Subject:** Re: Wilco Saw Cutting Wall
>
> Will you have a lift?
>
> Sent from my iPad
>
> On Aug 23, 2017, at 3:05 PM, Mark Veselka <mark@lochridgepriest.com> wrote:
>
> > Kris,
> >
> > Can you send me a price for saw cutting (4) holes at Wilco?
> >
> > 30x24 openings
> > Concrete fill h-block walls
> > Top of Openings 18'-0" AFF
> >
> > Thanks,
> > Mark Veselka
> > Project Manager
> > Lochridge-Priest, Inc.

Williamson County Facilities - Job Cost Tracking Log

Project: North Campus Project # P324 **Change Order #:** 29

Change Order No.	Court Agenda Date	Party of Initiation	Time Ext. (Days)	GMP Breakdown						GMP Total	Total Updated Contract Amount
				Cost of Work	CM Contingency	Owner Contingency	Buyout Savings (Current)	General Conditions	Construction Phase Fee		
Contract				$ 18,027,145.00	$ 406,771.00	$ 406,772.00	$ -	$ 1,896,522.00	$ 625,467.00	$ 21,362,677.00	$ 21,362,677.00
1	03/28/17		0	$ 3,659.00	$ -	$ (3,659.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
2	03/28/17		10	$ 114,186.00	$ -	$ (114,186.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
3	05/02/17		0	$ 1,727.00	$ -	$ (1,727.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
4	05/02/17		0	$ 19,494.00	$ -	$ (19,494.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
5	05/30/17		0	$ 19,676.00	$ (19,676.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
6	05/30/17		0	$ 14,465.00	$ (14,465.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
7	05/30/17		0	$ 2,237.00	$ -	$ (2,237.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
8	05/30/17		0	$ 3,450.00	$ -	$ (3,450.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
9	06/27/17		0	$ 832.00	$ -	$ (832.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
10	06/27/17		0	$ 285.00	$ -	$ (285.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
11	06/27/17		0	$ 22,415.00	$ -	$ (22,415.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
12	06/27/17		0	$ 11,221.00	$ -	$ (11,221.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
13	06/27/17		0	$ (5,000.00)	$ -	$ 5,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
14	06/27/17		0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
15	06/27/17		0	$ 79,584.00	$ -	$ (79,584.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
16	06/27/17		0	$ 9,930.00	$ -	$ (9,930.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
17	09/12/17	A&E	0	$ 2,450.00	$ -	$ -	$ (2,450.00)	$ -	$ -	$ -	$ 21,362,677.00
18	09/12/17	A&E	0	$ 1,747.00	$ (1,747.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
19	09/12/17	Owner	0	$ 577,128.00	$ -	$ -	$ (577,128.00)	$ -	$ -	$ -	$ 21,362,677.00
20	12/05/17	A&E	0	$ 5,784.00		$ (5,856.00)		$ 72.00		$ -	$ 21,362,677.00
21	10/03/17	A&E	0	$ 10,364.00	$ (10,364.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
22	10/03/17	A&E	0	$ 6,461.00	$ (6,461.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
23	12/05/17	A&E	0	$ 15,825.00	$ (15,825.00)					$ -	$ 21,362,677.00
24	10/03/17	A&E	0	$ 33,906.00	$ (33,906.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
25	10/03/17	A&E	0	$ 8,854.00	$ (8,854.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
26		A&E	0	$ (106.00)		$ 106.00				$ -	$ 21,362,677.00
27	PENDING REVIEW									$ -	$ 21,362,677.00
28	PENDING REVIEW									$ -	$ 21,362,677.00
29		A&E	0	$ 3,647.00	$ (3,647.00)					$ -	$ 21,362,677.00
30	10/24/17	Contractor		$ (30,000.00)	$ -	$ 30,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
31	10/24/17	A&E		$ 4,434.00	$ -	$ (4,434.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
32	11/14/17	A&E		$ 6,816.00		$ (6,816.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
33	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
34	11/14/17	Contractor		$ 5,273.00	$ (5,273.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
35	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
36	12/05/17	A&E	0	$ 1,280.00	$ (1,280.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
37	12/05/17	A&E	0	$ 1,601.00	$ (1,601.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
							$ -	$ -	$ -	$ -	$ 21,362,677.00
							$ -	$ -	$ -	$ -	$ 21,362,677.00
			10	$ 18,980,770.00	$ 283,672.00	$ 155,752.00	$ (579,578.00)	$ 1,896,594.00	$ 625,467.00	$ 21,362,677.00	$ 21,362,677.00

Commissioners Court - Regular Session **18.**

Meeting Date: 02/06/2018

Discuss consider and take appropriate action on the Department of Infrastructure projects and issues update

Submitted For: Robert Daigh **Submitted By:** Lydia Linden, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Department of Infrastructure projects and issues update.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/23/2018 02:22 PM
Form Started By: Lydia Linden		Started On: 01/23/2018 12:43 PM
Final Approval Date: 01/23/2018		

Commissioners Court - Regular Session **19.**

Meeting Date: 02/06/2018

North Campus Facility P324 - Change Order 41

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Williamson County North Campus Project, P324, Change Order # 41 from Vaughn Construction in the amount of ($50,311.00) to accept credit for sidewalks which were removed from the project. This change order is being credited to the Owners Contingency.

Background

Change order for removing all scopes of work related to the installation of the sidewalks adjacent to the Inner Loop Road R.O.W. which was removed from the project.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

NCF Change Order 41

NCF CO41 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:50 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 08:32 AM
Final Approval Date: 02/01/2018		

VAUGHN
CONSTRUCTION
3171 SE Inner Loop
Georgetown, TX
78626

T: (512) 663-7461
F: (512) 681-9752

January 12, 2018

Dwayne Gossett
Williamson County, Texas
3101 SE Inner Loop
Georgetown, TX 78620

Re: North Campus Facilities
Job No: 233901

Subj: Change Proposal No. 233901-0041

Dear Sir or Madam:

We respectfully submit our proposal for an increase to our contract in the amount of $0 (zero) dollars to provide Landscape & Roadway Project Modifications per ASI-005 for the above referenced project.

Landscape & Roadway Project Modifications per ASI-005

Our price is valid for Ten (10) days

Please indicate your acceptance of this change proposal by signing and returning one copy of the attached Form B breakdown of our cost.

Very truly yours,
VAUGHN CONSTRUCTION

Doug Boram

Attachments: Subcontractor Pricing Back-up

CC: Brody Harris - BLGY
Mark Brown - BLGY

FORM B

PROJECT: North Campus Facilities

CHANGE PROPOSAL NO: 233901-0041

QUOTATION :

Item	Labor	Materials	Subs	Total
Credit for sidewalks and handicap ramps parallel to SE Inner Loop per ASI-005	$0.00	$0.00	$(51,858.00)	$(51,858.00)
Credit for sidewalk parallel to SE Inner Loop per ASI-005	$0.00	$0.00	$(4,000.00)	$(4,000.00)
(1) Additional 20' Double Swing Gate per ASI-005	$0.00	$0.00	$5,547.00	$5,547.00
To Be Credited to Owners Contingency	$0.00	$50,311.00	$0.00	$50,311.00
Totals	$0.00	$50,311.00	$(50,311.00)	$0.00
	Insurance, Tax, Benefits on Labor			$0.00
	Overhead			$0.00
	Fee on Subs			$0.00
	Fee on JTV			$0.00
	Bond			$0.00
	Remodel Tax			$0.00
	TOTAL			**$0.00**

TIME EXTENSION TO CONTRACT: 0 Days

Submitted Date: 1/12/2018

Accepted

By: _____

Date _____

VAUGHN CONSTRUCTION

By: _____
Doug Boram

Proposal Valid for 10 Days

Williamson County
Williamson County North Campus Facilities
Vaughn Project No. 2339-01

VAUGHN CONSTRUCTION

Funds Tracking Log

Change Proposal No.	Change Type & No.	Time Extension (Days)		GMP Breakdown						GMP #2339.01	Total Updated Contract Amount
		Pending	Approved	Cost of Work	CM Contingency	Owner Contingency	General Conditions	Buyout Savings	Construction Phase Fee		
N/A	GMP	-	-	$18,195,395	$406,771	$406,772	$1,896,522		$625,467	$21,530,927	$21,530,927
1	OCO	0	0	$3,659	$0	($3,659)	$0		$0	$0	$21,530,927
2	OCO	10	10	$114,186	$0	($114,186)	$0		$0	$0	$21,530,927
3	OCO	0	0	$1,727	$0	($1,727)	$0		$0	$0	$21,530,927
4	OCO	0	0	$19,494	$0	($19,494)	$0		$0	$0	$21,530,927
5	OCO	0	0	$19,676	($19,676)	$0	$0		$0	$0	$21,530,927
6	OCO	0	0	$14,465	($14,465)	$0	$0		$0	$0	$21,530,927
7	OCO	0	0	$2,237	$0	($2,237)	$0		$0	$0	$21,530,927
8	OCO	0	0	$3,450	$0	($3,450)	$0		$0	$0	$21,530,927
9	OCO	0	0	$832	$0	($832)	$0		$0	$0	$21,530,927
10	OCO	0	0	$285	$0	($285)	$0		$0	$0	$21,530,927
11	OCO	0	0	$22,415	$0	($22,415)	$0		$0	$0	$21,530,927
12	OCO	0	0	$11,221	$0	($11,221)	$0		$0	$0	$21,530,927
13	OCO	0	0	($5,000)	$0	$5,000	$0		$0	$0	$21,530,927
14	OCO	0	0	$0	$0	$0	$0		$0	$0	$21,530,927
15	OCO	0	0	$79,584	$0	($79,584)	$0		$0	$0	$21,530,927
16	OCO	0	0	$9,930	$0	($9,930)	$0		$0	$0	$21,530,927
17	OCO	0	0	$0	$0	$0	$0		$0	$0	$21,530,927
18	OCO	0	0	$1,747	($1,747)	$0	$0		$0	$0	$21,530,927
19	OCO	0	0	($1,763)	$0	$0	$1,763		$0	$0	$21,530,927
20	OCO	0	0	$75,603	$0	($75,675)	$72		$0	$0	$21,530,927
21	OCO	0	0	$10,364	($10,364)	$0	$0		$0	$0	$21,530,927
22	OCO	0	0	$6,410	($6,461)	$0	$51		$0	$0	$21,530,927
23	OCO	0	0	$15,825	($15,825)	$0	$0		$0	$0	$21,530,927
24	OCO	0	0	$33,487	($33,906)	$0	$419		$0	$0	$21,530,927
25	OCO	0	0	$8,854	($8,854)	$0	$0		$0	$0	$21,530,927
26	OCO	0	-	($106)	$0	$106	$0		$0	$0	$21,530,927
27	OCO	0	-	$2,940	$0	($2,940)	$0		$0	$0	$21,530,927
28	OCO	0	-	$563	$0	($563)	$0		$0	$0	$21,530,927
29	OCO	0	-	$3,647	($3,647)	$0	$0		$0	$0	$21,530,927
30	OCO	0	0	($30,000)	$0	$30,000	$0		$0	$0	$21,530,927
31	OCO	0	0	$4,434	$0	($4,434)	$0		$0	$0	$21,530,927
32	OCO	0	0	$6,816	$0	($6,816)	$0		$0	$0	$21,530,927
33	OCO	0	-	$6,780	($6,780)	$0	$0		$0	$0	$21,530,927
34	OCO	0	-	$5,273	($5,273)	$0	$0		$0	$0	$21,530,927
35	OCO	0	0	($168,250)	$0	$0	$0		$0	($168,250)	$21,362,677
36	OCO	0	0	$1,280	($1,280)	$0	$0		$0	$0	$21,530,927

Williamson County
Williamson County North Campus Facilities
Vaughn Project No. 2339-01

VAUGHN CONSTRUCTION

Funds Tracking Log

Change Proposal No.	Change Type & No.	Time Extension (Days)		GMP Breakdown						GMP #2339.01	Total Updated Contract Amount
		Pending	Approved	Cost of Work	CM Contingency	Owner Contingency	General Conditions	Buyout Savings	Construction Phase Fee		
37	OCO	0	0	$1,601	($1,601)	$0	$0		$0	$0	$21,530,927
38	OCO	0	-	$4,646	($4,646)	$0	$0		$0	$0	$21,530,927
39	OCO	10	-	$0	$0	$0	$0		$0	$0	$21,530,927
40	OCO	0	-	($6,292)	$0	$6,292	$0		$0	$0	$21,530,927
41	OCO	0	-	($50,311)	$0	$50,311	$0		$0	$0	$21,530,927
Current Amounts		**20**	**10**	**$18,427,104**	**$272,246**	**$139,033**	**$1,898,827**		**$625,467**	**$21,362,677**	$21,362,677

KEYSTONE
CONCRETE PLACEMENT
35 County Rd. 150
Georgetown, TX. 78626
512.931.3033 /512.931.0995 FAX

CHANGE AUTHORIZATION

To:
Doug Boran
Vaughn Construction

Date:
July 26, 2017

Project:
Williamson County N.C.F.

From:
Stephen Wallace
Keystone Concrete Placement

Change Request #05

ASI #05

Keystone Concrete Placement's Work:

Provide credit to delete the sidewalk and handicap ramps running parallel to South East Inner Loop per ASI #05. 14,988 sf of 6' wide sidewalk with 10 handicap ramps

Delete 14,988 sf of sidewalk @ $3.46/sf	($51,858.48)
Total Change Request:	$ (51,858)

Thank you,

Stephen Wallace
Sr. Project Manager
Keystone Concrete Placement

WPM Construction Services, Inc.

Job #16-30 Williamson County North Campus

PCO 03 - ASI # 5 Deduct for Side Walk

Item #	Description	Quantity	Units	Unit Cost Subcontractor	Subcontractor Cost	Unit Cost Equipment	Equipment Cost	Unit Cost Material	Material Cost	Unit Cost Labor	Labor Cost	Subtotal
	Deduct for side walk elimination.	1.00	LS							$ (4,000.00)	$ (4,000.00)	$ (4,000.00)
												$ -
												$ (4,000.00)
												$ -
	Date: 5/17/2017											$ (4,000.00)

ALLIED FENCE & SECURITY

SINCE 1950
13350 OLD KIMBRO ROAD, BLDG. A | MANOR, TEXAS 78653
PHONE: (512)255-5416 | FAX: (512)255-7096 | EMAIL: mdysart@alliedfence1950.com
MBE / SBE / HUB CERTIFIED

PROPOSAL

TO: Vaughn Construction
Attn: Thomas Morrill
210-328-0193 (m) / tmorrill@vaughnconstruction.com

PROJECT: Williamson County North Campus Facility
ASI # 01, ASI #05, ASI #07

ASI #01
Add 20' x 6' double swing gate to chain link fence @ Bldg. G/F
Total Price (add): $832.00

ASI #05
Add 141 ft. + 1 ea. 20' double swing gate of wood privacy fence at North property line.
Total Price (add): $5547.00

ASI #07
Add additional bracing to gate post at Bldg. F as shown on new details.
Total Price (add): $285.00

TERMS AND CONDITIONS

Buyer agrees to locate all property stakes or place stakes for all end corner or gate posts required for construction of fence. Before work commencement buyer agrees to locate all underground obstructions such as pipes, sewers, phone lines or electric cables. Allied fence assumes no responsibility for damages to any of above. Any clearing or grading that is required is to be done by others (unless otherwise noted above). Fence grounding is not included. Process subject to change after 60 days.

Michael Dysart

Allied Fence & Security
5/10/17

Williamson County Facilities - Job Cost Tracking Log

Project: North Campus Project # P324 **Change Order #:** 41

Change Order No.	Court Agenda Date	Party of Initiation	Time Ext. (Days)	GMP Breakdown						GMP Total	Total Updated Contract Amount
				Cost of Work	CM Contingency	Owner Contingency	Buyout Savings (Current)	General Conditions	Construction Phase Fee		
Contract				$ 18,027,145.00	$ 406,771.00	$ 406,772.00	$ -	$ 1,896,522.00	$ 625,467.00	$ 21,362,677.00	$ 21,362,677.00
1	03/28/17		0	$ 3,659.00	$ -	$ (3,659.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
2	03/28/17		10	$ 114,186.00	$ -	$ (114,186.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
3	05/02/17		0	$ 1,727.00	$ -	$ (1,727.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
4	05/02/17		0	$ 19,494.00	$ -	$ (19,494.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
5	05/30/17		0	$ 19,676.00	$ (19,676.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
6	05/30/17		0	$ 14,465.00	$ (14,465.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
7	05/30/17		0	$ 2,237.00	$ -	$ (2,237.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
8	05/30/17		0	$ 3,450.00	$ -	$ (3,450.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
9	06/27/17		0	$ 832.00	$ -	$ (832.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
10	06/27/17		0	$ 285.00	$ -	$ (285.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
11	06/27/17		0	$ 22,415.00	$ -	$ (22,415.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
12	06/27/17		0	$ 11,221.00	$ -	$ (11,221.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
13	06/27/17		0	$ (5,000.00)	$ -	$ 5,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
14	06/27/17		0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
15	06/27/17		0	$ 79,584.00	$ -	$ (79,584.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
16	06/27/17		0	$ 9,930.00	$ -	$ (9,930.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
17	09/12/17	A&E	0	$ 2,450.00	$ -	$ -	$ (2,450.00)	$ -	$ -	$ -	$ 21,362,677.00
18	09/12/17	A&E	0	$ 1,747.00	$ (1,747.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
19	09/12/17	Owner	0	$ 577,128.00	$ -	$ -	$ (577,128.00)	$ -	$ -	$ -	$ 21,362,677.00
20	12/05/17	A&E	0	$ 5,784.00		$ (5,856.00)		$ 72.00		$ -	$ 21,362,677.00
21	10/03/17	A&E	0	$ 10,364.00	$ (10,364.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
22	10/03/17	A&E	0	$ 6,461.00	$ (6,461.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
23	12/05/17	A&E	0	$ 15,825.00	$ (15,825.00)					$ -	$ 21,362,677.00
24	10/03/17	A&E	0	$ 33,906.00	$ (33,906.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
25	10/03/17	A&E	0	$ 8,854.00	$ (8,854.00)	$ -	$ -	$ -	$ -	$ -	$ 21,362,677.00
26		A&E	0	$ (106.00)		$ 106.00				$ -	$ 21,362,677.00
27	PENDING REVIEW									$ -	$ 21,362,677.00
28	PENDING REVIEW									$ -	$ 21,362,677.00
29		A&E	0	$ 3,647.00	$ (3,647.00)					$ -	$ 21,362,677.00
30	10/24/17	Contractor		$ (30,000.00)	$ -	$ 30,000.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
31	10/24/17	A&E		$ 4,434.00	$ -	$ (4,434.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
32	11/14/17	A&E		$ 6,816.00		$ (6,816.00)	$ -	$ -	$ -	$ -	$ 21,362,677.00
33	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
34	11/14/17	Contractor		$ 5,273.00	$ (5,273.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
35	PENDING REVIEW						$ -	$ -	$ -	$ -	$ 21,362,677.00
36	12/05/17	A&E	0	$ 1,280.00	$ (1,280.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
37	12/05/17	A&E	0	$ 1,601.00	$ (1,601.00)		$ -	$ -	$ -	$ -	$ 21,362,677.00
38	PENDING REVIEW										$ 21,362,677.00
39	PENDING REVIEW										$ 21,362,677.00
40	PENDING REVIEW										$ 21,362,677.00
41		Owner	0	$ (50,311.00)		$ 50,311.00	$ -	$ -	$ -	$ -	$ 21,362,677.00
							$ -	$ -	$ -	$ -	$ 21,362,677.00
			10	**$ 18,930,459.00**	**$ 283,672.00**	**$ 206,063.00**	**$ (579,578.00)**	**$ 1,896,594.00**	**$ 625,467.00**	**$ 21,362,677.00**	**$ 21,362,677.00**

Commissioners Court - Regular Session **20.**

Meeting Date: 02/06/2018

Animal Shelter Expansion - A/E Amendment #1

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an Amendment No. 1 to Agreement for Architectural and Engineering Phase II between Williamson County and Jackson & Ryan Architects, Inc., for additional services relating to the Williamson County Regional Animal Shelter Expansion Project.

Background

This is for a re-design by the A/E Team and includes a re-submittal to the City of Georgetown due to line of site issues at the new south entrance driveway and the Inner Loop Road, and due to turn-around requirements for emergency vehicles which would not have direct egress to the Inner Loop Road.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Amendment 1

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:50 AM
Form Started By: Gina Wrehsnig		Started On: 02/01/2018 09:47 AM
Final Approval Date: 02/01/2018		

AMENDMENT NO. 1
TO
AGREEMENT FOR ARCHITECTURAL AND ENGINEERING PHASE II SERVICES

STATE OF TEXAS §

COUNTY OF WILLIAMSON §

RECITALS

THIS AMENDMENT NO. 1 TO AGREEMENT FOR ARCHITECTURAL AND ENGINEERING PHASE II SERVICES ("Amendment No. 1 to Phase II Agreement") is by and between Williamson County, Texas, a political subdivision of the State of Texas, ("County") and Jackson & Ryan Architects, Inc., a Texas corporation ("A/E") and becomes effective upon the date of the last party's execution below.

WHEREAS, the County intends to reconstruct and expand the Williamson County Regional Animal Shelter, which is located at 1855 SE Inner Loop, Georgetown, Texas 78626, hereinafter called the "Project"; and

WHEREAS, the County and the A/E executed an Agreement for Architectural and Engineering Services for Phase I programming and schematic design services to be effective as of August 18, 2014 ("Phase I Agreement"); and thereafter added Additional Services to the Phase I Agreement dated effective as of December 3, 2015 ("Amendment No. 1 to Phased I Agreement");

WHEREAS, A/E has completed the Phase I programming and schematic design services and the Additional Services set out and described in both the Phase I Agreement and Amendment No. 1 Amendment No. 1 to Phased I Agreement;

WHEREAS, pursuant to the Phase I Agreement, County and A/E thereafter executed an Agreement for Architectural and Engineering Services for Phase II Services effective October 11, 2016 ("Phase II Agreement");

WHEREAS, in accordance with the terms of the Phase II Agreement, the A/E agreed to provide Design Development, Construction Documents, Bidding, and Construction Administration as a part of Phase II professional engineering and architectural services in relation to the Project;

WHEREAS, pursuant to Section III of the Phase II Agreement, the County and the A/E desire to execute this Amendment No. 1 to Phase II Agreement to reflect the parties' agreement as to the scope of the Additional Services to be provided, the lump sum fee to be paid by the County and the schedule for A/E's completion of such Additional Services; and

WHEREAS, it has become necessary to amend the Agreement as set out herein below:

AGREEMENT

NOW, THEREFORE, premises considered, the County and the A/E agree that the Phase II Agreement is amended, supplemented and modified as follows:

I. The A/E shall provided the following Scope of Additional Services:

a. Remove access to the new parking lot directly from the Inner Loop and instead provide a T-shaped turn-around for Fire Department access at the south end of the parking lot.
b. Design Team efforts related to meeting with, and resubmitting to the City of Georgetown for Site Plan re-approval are included.
c. Civil Paving and Grading, and Utility plans will be revised, and the Landscape Irrigation plan and soil and pavement quantities will be revised.
d. Architectural scope includes documenting Site Plan changes for Record Drawings.

II. Lump Sum Fee for Additional Services and Expenses:

A. Lump Sum Fee for Additional Services and Expenses. The lump sum fee to be paid by the County for A/E's performance of the above-described Additional Services and related expenses shall be **$13,300.00**. The said lump sum fee shall be paid by the County in accordance with the terms of the Agreement.

III. Schedule of Completion for Additional Services:

A/E agrees to complete the above-described Additional Services in accordance with County's needs and such services shall not delay any other services being performed by A/E.

IV. Representations:

Each party represents and warrants that it has due power and lawful authority to execute and deliver this Amendment No. 1 to Phase II Agreement and to perform its obligations under the Agreement; and, furthermore, the Phase II Agreement and this Amendment No. 1 to Phase II Agreement are the valid, binding and enforceable obligations of such party.

V. Effect of Amendment:

All other terms of the Phase II Agreement and any prior amendments thereto, if any, which have not been specifically amended herein shall remain the same and shall continue in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 1 to Phase II Agreement 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: _____
Dan A. Gattis, County Judge

_____ ____, 20___
Date

JACKSON & RYAN ARCHITECTS, INC.

By: 
Signature

Martha Seng, FAIA
Printed Name

Principal
Title

February 01, 2018
Date

Commissioners Court - Regular Session **21.**

Meeting Date: 02/06/2018

Atmos Agreement and Fuquay Construction Ag

Submitted For: Dan Gattis **Submitted By:** Hal Hawes, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a Three Party Agreement by and between Fuquay, Inc. (contractor), Williamson County (owner/developer), and Atmos Energy Corporation; and a Construction Agreement between Williamson County and Fuquay, Inc. relating to the construction of a gas line and related appurtenances for the Williamson County Georgetown Annex Project.

Background

Atmos requires that a three party agreement between Atmos, Williamson County and the construction contractor, Fuquay, be executed setting forth the terms that Atmos requires in relation to construction of the gas line and appurtenances. To further set out the terms and conditions relating to construction and to provide for the county's standard construction terms and conditions, a construction agreement between Williamson County and Fuquay is necessary.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Atmos 3 Party Agreement

Construction Agreement Fuquay

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:50 AM
Form Started By: Hal Hawes		Started On: 02/01/2018 09:48 AM
Final Approval Date: 02/01/2018		

WORK ASSIGNMENT SUPPLEMENT – Project #080.58772
WILCO ANNEX

This Work Assignment Supplement is entered into effective January 4, 2018, by and between Fuquay, Inc., 3000 CR 175, Leander, Texas 78641 ("CONTRACTOR"), Williamson County, 710 Main St., Georgetown, TX 78626 ("DEVELOPER"), and Atmos Energy Corporation ("COMPANY").

PERFORMANCE OF WORK - CONTRACTOR will perform the work identified herein (the "Work") as authorized by COMPANY, pursuant to the terms and conditions in the Master Services Agreement No S 0394479 ("Agreement") between COMPANY and CONTRACTOR, which Agreement is incorporated herein by reference. When and as expressly authorized by COMPANY, and notwithstanding any provision to the contrary in the above-referenced Agreement, DEVELOPER will pay CONTRACTOR the full and complete cost of the Work, as mutually agreed between CONTRACTOR and DEVELOPER.

SCOPE OF WORK - CONTRACTOR will perform the Work in accordance with the Scope of Work Attachment and the drawings, specifications, and instructions, if any attached hereto, and identified in the List of Attachments set forth herein. DEVELOPER will have the right, at all times, to instruct CONTRACTOR to construct the Work in accordance with the Scope of Work Attachment, but DEVELOPER has no obligation to supervise CONTRACTOR in the performance of the Work.

CONTRACTOR will, in consultation with DEVELOPER, assume full responsibility for investigating conditions of any property or facilities at or with respect to which Work will be performed, for the purpose of evaluating and determining the existence and magnitude of any hazards resulting from such Work to such property, or to the property of DEVELOPER, or to the property or physical well-being of any of DEVELOPER's employees or agents, and CONTRACTOR and/or DEVELOPER, as appropriate, will ensure that DEVELOPER's and CONTRACTOR's employees and agents are advised of and fully understand the nature of such hazards and safety precautions that can be taken to eliminate or minimize the dangers relating to such hazards.

All field changes must be approved in advance by the CONTRACTOR, DEVELOPER and COMPANY by email or letter.

ACQUISITION OF EASEMENT RIGHTS - If any additional real property rights must be acquired in order to connect with completed Work with COMPANY's existing facilities located outside of DEVELOPER's property, then COMPANY's acceptance of the Work shall be conditioned upon DEVELOPER having acquired for COMPANY all real property rights which COMPANY deems necessary for the installation of facilities which are sufficient to connect to the completed Work.

ACCEPTANCE OF WORK - Upon inspection and acceptance by COMPANY's inspector of the Work ("Final Acceptance"), DEVELOPER will execute and deliver to COMPANY a Bill of Sale and Assignment substantially in the form attached hereto and made a part hereof, conveying the Work to COMPANY. In addition, if the Work is not located under public rights-of-way or defined public utility easement, DEVELOPER will grant to COMPANY an easement over the Work, which easement will be substantially in the form of the easement attached hereto and made a part hereof. It is understood and agreed that the transfer of the Work installed pursuant to this Agreement, and the granting of any easements to COMPANY hereunder, will be at no cost to COMPANY whatsoever.

DEVELOPER must notify COMPANY's Project Manager at least five days prior to commencement of construction.

CONTRACTOR must return all required field construction documents to Atmos Energy including, but not limited to, as built, test charts and print line data within 10 working days of completion.

INVOICES – All invoices will be sent to DEVELOPER at the following address:

Address: 710 Main St., Georgetown, TX 78626

LIST OF ATTACHMENTS – COMPANY, DEVELOPER, and CONTRACTOR agree that the following described attachments, if any, are incorporated herein in their entirety.

1. Scope of Work Attachment
2. Design Layout of Facilities
3. Form of Bill of Sale and Assignment
4. Form of Easement (N/A)

CONTRACTOR: FUQUAY, INC.

By: _____

Name: Raymond Gonzales

Title: Div. Mgr.

ATMOS ENERGY CORPORATION

By: _____

Name: _____

Title: _____

DEVELOPER: WILLIAMSON COUNTY

By: _____

Name: _____

Title: _____

WORK ASSIGNMENT SUPPLEMENT
SCOPE OF WORK ATTACHMENT

PROJECT # 080.58772

PROJECT NAME OR SUBDIVISION & PHASE: WILCO ANNEX

NUMBER OF METERS: 1

DEVELOPER REQUIREMENTS: GAS MAIN EXTENSION

ALLEY DISTRIBUTION:

CONTRACTOR will install all gas main(s), service taps, and service line risers required, as part or in furtherance of the Work. CONTRACTOR will be responsible for installing facilities to COMPANY design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service line), tracer wire, test stations, etc. and Atmos Energy's Meter Specification Manual. DEVELOPER'S plumber will install customer gas line on same side of building as COMPANY installed service riser.

FRONT LOT DISTRIBUTION:

CONTRACTOR will install all gas main(s), service taps, and service stubs to 10 feet inside the property line of each lot or tract within the Scope of Work. Marker balls and curb marker medallions will be placed to mark all service stubs. CONTRACTOR will be responsible for installing facilities according to COMPANY design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service stub), tracer wire, test stations, etc. and Atmos Energy's Meter Specification Manual. DEVELOPER's plumber will install customer service stub on same side of building as COMPANY installed service stub.

STORM WATER POLLUTION PREVENTION PLAN

If project requires a SWPPP, COMPANY consultant will develop and will be responsible for the plan and will also submit NOI for the project. DEVELOPER/CONTRACTOR will provide necessary sediment control measures screening, filters, etc. for installation and restabilization of the project area.

DEVELOPER INITIALS: _____

CONTRACTOR will be responsible for providing gas mains of the number, dimensions, and footages specified below:

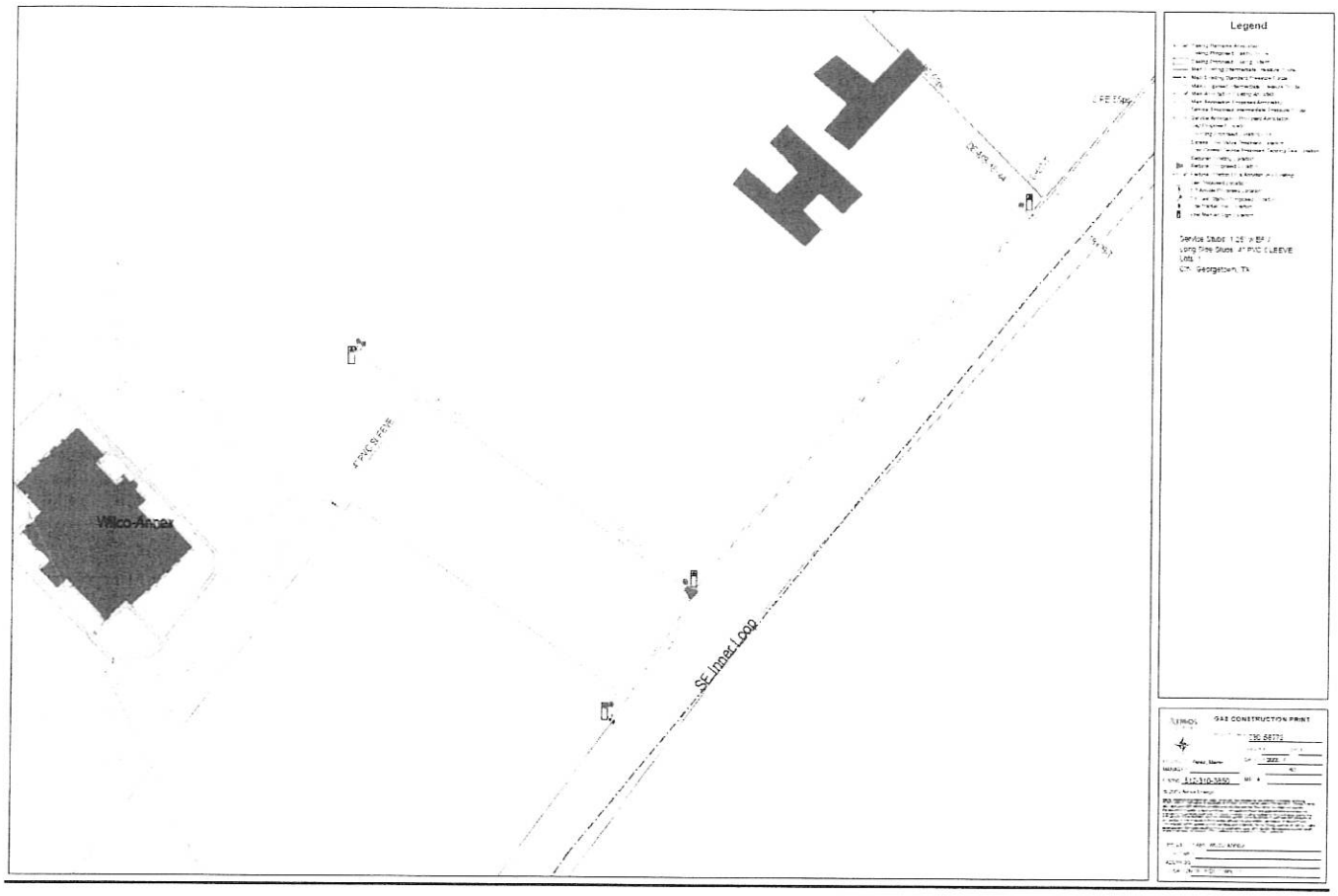
City of Georgetown, County of Williamson, State of Texas. SE Inner Loop East of 1460. Install approximately 557 LF of 4 inch HDPE main and 887 LF of 6 inch HDPE main to serve commercial development known as Wilco Annex. This will be a WAS agreement between Atmos Energy and Williamson County. Recommended by System Planning, approved by Investment Strategy and Operations Region Manager. The Project Manager is Martin Perez and the Field Construction Coordinator is Doug Knauth. If staking is required, it is a Developer/Contractor financial responsibility.5# anodes should be placed every 1000 feet and/or as shown on the design to protect the tracer wire. Test Leads required at 500 feet intervals and/or at protected locations and at all (main) Dead Ends. Excess Flow Valves are required on every residential service stub, along with the EFV medallion. Install gas mains in designated PUE. If design changes are required in the field – contact the FCC and Project Manager before proceeding.

COMPANY will be responsible for the following:

1. Inspecting all work performed by CONTRACTOR in a reasonably timely manner.
2. Notifying DEVELOPER within a reasonable time after Final Acceptance of the Work by COMPANY.
3. Installing service lines and risers for front lot distribution from service stub in accordance with Atmos Energy's Meter Specification Manual (available at Atmosenergy.com).

WORK ASSIGNMENT SUPPLEMENT

DESIGN LAYOUT OF FACILITIES



WORK ASSIGNMENT SUPPLEMENT

FORM OF BILL OF SALE AND ASSIGNMENT

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WILLIAMSON §

THAT for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Williamson County, 710 Main St., Georgetown, TX 78626, a _____ corporation (hereinafter referred to as "Seller"), hereby grants, bargains, sells, assigns, transfers, and conveys unto Atmos Energy Corporation, 5420 LBJ Frwy, Suite 1800, Dallas, Texas 75240, a Texas and Virginia corporation (hereinafter referred to as "Buyer"), its successors and assigns, all of Seller's right, title, and interest to and in the following, all of which is collectively referred to hereafter as the "Property":

(a) that equipment and those facilities described in Attachment "1," located on that property described, configured and situated along the route described in Attachment "2," all such attachments being a part hereof; and

(b) all easements and permits related to the equipment and facilities set forth above, as described in Attachment "4," being a part hereof

Seller warrants that it is the lawful owner in every respect of the Property, and that the new pipeline is free and clear of all liens, security agreements, encumbrances, claims, demands, and charges of every kind whatsoever. Seller further warrants that it is not aware of any existing violations of any law, ordinance, or regulation relating to the Property, or of any latent or patent defects in the Property.

TO HAVE AND TO HOLD unto the said Buyer, its successors and assigns forever, to warrant and defend the title to the Property against every person whomsoever lawfully claiming the Property or any part of it.

Seller further agrees to execute and deliver any and all further conveyances, assignments, bills of sale, certificates, instruments of transfer, or other documents that may be necessary or appropriate to effectuate the terms hereof, and the terms of that certain Work Assignment Supplement between Buyer, Seller, and Fuquay, Inc. January 4, 2018, and to vest in Buyer, its heirs, representatives, successors, and assigns, title to the Property.

IN WITNESS WHEREOF, this Bill of Sale and Assignment is executed on the _ day of _____, 20__.

Williamson County	Atmos Energy Corporation
By: _____	By: _____
Title: _____	Title: _____

Agreement for Construction Services

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and Fuquay, Inc. ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 WORK: The Owner desires to retain Contractor for the construction and installation of approximately 557 feet of 4" & 887 feet of 6" high density poly IP gas main by approved bore and/or open cut method and installation of service stubs and related appurtenances within the limits of the Williamson County Georgetown Annex construction project (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 and Atmos Energy Corporation'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 **$61,636.36** in accordance with the terms and conditions of this Agreement.

ARTICLE 3 SCOPE OF WORK, PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the Scope of Work, Plans and Specifications, as well as any revisions made thereto, attached hereto as **Attachment No. 1**.

ARTICLE 4 COMPLETION: The Work shall be fully and finally completed within **30 calendar days** from the date the Work is commenced; provided, however, Owner shall extend said time period in the event bad weather affects the progress of the Work. Contractor shall commence the Work upon instruction to do so from the Williamson County. Owner shall determine when the Project has been fully and finally completed to its satisfaction.

ARTICLE 5 PAYMENT: Contractor shall receive one lump sum payment of the Contract Price upon final completion of the Project and Atmos' Final Acceptance of the Work.

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.

6.5.1 The Contractor shall provide and maintain, until the Work covered in this Agreement is completed and accepted by the Owner, 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 Owner.

Type of Coverage	Limits of Liability
a. Worker's Compensation	Statutory
b. Employer's Liability	
Bodily Injury by Accident	$250,000 Ea. Accident
Bodily Injury by Disease	$250,000 Ea. Employee
Bodily Injury by Disease	$250,000 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*)	$500,000	$500,000
Aggregate policy limits:	$500,000	

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

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$500,000	$500,000
Property damage	$500,000	$500,000
Aggregate policy limits	No aggregate limit	

Builder's Risk Insurance
(*all risks*)

An all risks policy shall be 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 his 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:

1. 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.

2. 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 in this Agreement. The aforementioned waiver of subrogation shall not be effective unless such endorsement is obtained.

6.5.2 The above insurance requirements are not intended to be compounded with the Contractor's standing insurance policies. If the Contractor already has in force insurance policies which provide the required coverage, there is no need to purchase duplicate coverage for this Project.

6.5.3 Policies must include the following clauses, as applicable.

a. "This insurance shall not be canceled, limited in scope or coverage, or non-renewed until after thirty (30) days prior written notice, or ten (10) days for non-payment of premium, has been given to Williamson County."
b. "It is agreed that the Contractor's insurance shall be deemed primary with respect to any insurance or self insurance carried by Williamson County for liability arising out of operations under the Agreement with Williamson County."
c. "Williamson County, it officials, directors, employees, representatives, and volunteers are added as additional insured as respects operations and activities of, or on behalf of the named insured performed under Agreement with the Owner." This is not applicable to the workers' compensation policy.
d. "The workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of Williamson County."

6.5.4 Workers' Compensation Insurance Coverage:

In the event that Contractor employs any individual to perform any portion of the Work, Contractor shall comply with Texas Labor Code, §406.096, which requires workers' compensation insurance coverage for all employees providing services on a building or construction Project for a governmental entity.

a. Definitions:

(1) 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 Work.

(2) Duration of the Work - includes the time from the beginning of the Work until the Work has been completed and accepted by the Owner.

(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).

(4) Persons providing services relating to the Work ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform the Work, 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 in relation to the Work. "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 Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

b. 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 in relation to the Work, for the Duration of the Work.

c. The Contractor must provide a Certificate of Coverage to the Owner prior to or contemporaneously with the execution of this Agreement.

d. If the Coverage period shown on the Contractor's current Certificate of Coverage ends during the Duration of the Work, 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.

e. The Contractor shall obtain from each person providing services in relation to the Work, and provide to the Owner:

(1) a Certificate of Coverage, prior to that person beginning any of the Work, so the Owner will have on file Certificates of Coverage showing Coverage for all persons providing services in relation to the Work; and

(2) 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 Work.

f. The Contractor shall retain all required Certificates of Coverage for the Duration of the Work and for one year thereafter.

g. 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 in relation to the Work.

h. The Contractor shall post on the Work site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services in relation to the Work that they are required to be covered, and stating how a person may verify Coverage and report lack of Coverage.

i. By signing this Agreement 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 in relation to the Work and all persons providing services in relation to the Work will be covered by workers' compensation coverage for the Duration of the Work, 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.

j. The Contractor's failure to comply with any of these provisions is a breach of Agreement by the Contractor which entitles the Owner to declare the Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

6.5.5 **The furnishing of the above listed insurance coverage must be tendered prior to execution of the Agreement.** The Contractor shall not cause or allow any of its required insurance to be canceled, nor permit any insurance to lapse during the term of the Agreement or as required in the Agreement. 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.

6.5.6 The Owner reserves the right to review the insurance requirements set forth in this Article during the effective period of 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.

6.5.7 The 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.

6.5.8 **The Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with each and 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 under this Article just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement of this Article 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, 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.**

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 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 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, 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, Williamson County, or of the various departments comprising Williamson County, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 8 WARRANTY AND BONDS

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 Work Assignment Supplement between Atmos Energy Corporation, Scope of Work , Plans, Specifications, Drawings and the terms of this Agreement.

8.2 Contractor shall provide warranty services for the Work for a full eighteen 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.

8.3 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.

8.4 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.

ARTICLE 9 MISCELLANEOUS PROVISIONS

9.1 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 Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

9.2 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.

9.3 Termination. Owner may terminate this Agreement for convenience and without cause or further liability upon ten (10) business day's written notice to the other party. In the event of termination, it is understood and agreed that only the amounts due to Contractor 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 Owner's termination of this Agreement for convenience.

9.4 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.

9.5 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 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.

9.6 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

9.7 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; or transmitted by fax machine to the last know business fax number of the designated representative. Mail notices are deemed effective upon receipt or on the third business day after the date of mailing, whichever is sooner. Fax notices are deemed effective the next business day after faxing.

9.8 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.

9.9 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 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.

9.10 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.

9.11 No Waiver of Sovereign Immunity. Nothing herein shall be construed as a waiver of sovereign immunity by Williamson County.

9.12 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.

9.13 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 County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

9.14 Entire Agreement; Modifications. This Agreement supersedes all prior agreements, written or oral, between Contractor and Owner and shall constitute the entire Agreement and understanding between the parties with respect to the Project. This Agreement and each of its provisions shall be binding upon the parties and may not be waived, modified, amended or altered except by a writing signed by Contractor and Owner.

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:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the state of Texas

By: _____

Printed Name: _____

Title: _____

Date: _____

Contractor:

FUQUAY, INC.

By: _____

Printed Name: JOHN TREVILLION

Title: SECRETARY/OPERATIONS MGR.

Date: 1-25-18

Attachment No. 1

SCOPE OF WORK, PLANS AND SPECIFICATIONS

Project Location: Williamson County Georgetown Annex

A. GENERAL DESCRIPTION OF PROJECT:

1. Installation of approximately 557 feet of 4"& 887 feet of 6" high density poly IP gas main by approved bore and/or open cut method.
2. Installation of service stubs within the limits of Project (approximately 1).

NUMBER OF METERS: 1

B. COUNTY'S REQUIREMENTS - GAS MAIN EXTENSION:

ALLEY DISTRIBUTION:

Contractor will install all gas main(s), service taps, and service line risers required, as part or in furtherance of the Work. Contractor will be responsible for installing facilities to Atmos Energy Corporation's ("Atmos") design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service line), tracer wire, test stations, etc. and Atmos' Meter Specification Manual. County's plumber will install customer gas line on same side of building as Atmos' installed service riser.

FRONT LOT DISTRIBUTION:

Contractor will install all gas main(s), service taps, and service stubs to 10 feet inside the property line of each lot or tract within the Scope of Work. Marker balls and curb marker medallions will be placed to mark all service stubs. Contractor will be responsible for installing facilities according to Atmos' design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service stub), tracer wire, test stations, etc. and Atmos's Meter Specification Manual. County's plumber will install customer service stub on same side of building as Atmos installed service stub.

STORM WATER POLLUTION PREVENTION PLAN

If Project requires a SWPPP, Atmos consultant will develop and will be responsible for the plan and will also submit NOI for the Project. Contractor will provide necessary sediment control measures screening, filters, etc. for installation and restabilization of the Project area.

Contractor will be responsible for providing gas mains of the number, dimensions, and footages specified below:

City of Georgetown, County of Williamson, State of Texas. SE Inner Loop East of 1460. Install approximately 557 LF of 4 inch HDPE main and 887 LF of 6 inch HDPE main to serve commercial development known as Wilco Annex. This will be a WAS agreement

between Atmos Energy and Williamson County. Recommended by System Planning, approved by Investment Strategy and Operations Region Manager. The Project Manager is Martin Perez and the Field Construction Coordinator is Doug Knauth. If staking is required, it is a Developer/Contractor financial responsibility.5# anodes should be placed every 1000 feet and/or as shown on the design to protect the tracer wire. Test Leads required at 500 feet intervals and/or at protected locations and at all (main) Dead Ends. Excess Flow Valves are required on every residential service stub, along with the EFV medallion. Install gas mains in designated PUE. If design changes are required in the field – contact the FCC and Project Manager before proceeding.

C. OBLIGATIONS OF PARTIES:

1. Atmos will be responsible for the following:

1. Inspecting all work performed by Contractor in a reasonably timely manner.
2. Notifying County within a reasonable time after Final Acceptance of the Work by Atmos.
3. Installing service lines and risers for front lot distribution from service stub in accordance with Atmos' Meter Specification Manual (available at Atmosenergy.com).
4. Obtain all construction permits prior to construction.
5. Provide inspection- Atmos may opt to provide inspection through a third party. Note: Where no third party inspection is provided, Contractor will be required to have Atmos personnel onsite during all steel welding procedures.

2. Contractor will:

1. Provide necessary supervision, labor, equipment, and material to complete Project.
2. Install the necessary tap fittings (tees, weldolets, threadolets, etc.).
3. Perform all piping construction in accordance with the current requirement of DOT CFR 49 Part 192, "Transportation of natural and other gas by pipeline; Minimum Federal Safety Standards" as administered by the Railroad Commission of Texas.
4. Complete Subcontractor Disclosure Form and e-mail it to Tommy Galloway at tommy.galloway@atmosenergy.com.
5. Provide qualified personnel to perform the work. Reference the Contractor Work Assignment & OQ Matrix for the OQ Tasks associated with the type of work issued. The OQ Matrix is located on the Atmos Energy Bulletin Board in ISNetworld. There may be occasions when Atmos Energy could require additional tasks to be performed beyond the minimum tasks listed on the OQ Matrix.
6. Have personnel with proper Operator Qualification certification before award of Project and maintain certification and have copies for each employee and a copy of appendix B of the abnormal operating conditions onsite throughout the term of the Project. Contractor will adhere to the Mid-Tex Division Contractor Provisions for Compliance with Operator Qualification Rule.
7. Have two options to manage drilling fluids and cuttings.

A. Disposal:
1. Drilling fluids can be disposed of offsite without prior approval from the Railroad Commission (Commission)

2. Contractor must insure they dispose of fluids at an approved environmental landfill or disposal facility and retain a copy of all manifest or shipping papers. A copy of manifest must be available to the environmental inspector or FCC. A signed copy of manifest will be on site next day and in closing package.

8. During all excavation activities the Contractor shall insure that all utilities have been located and spotted.
9. During trenchless excavation activities the Contractor shall daylight all utilities that could potentially be crossed during the trenchless activity.
10. In the event the Contractor is unable to daylight/expose a storm or sanitary sewer line prior to trenchless excavation, the Contractor will be required to perform a post construction camera inspection to insure line is was not damaged during trenchless excavation activities. Gas facilities will not be placed in service until this inspection is performed.
11. Contractors performing trenchless excavation shall fill out the Sewer/Storm Drain and Gas Pipe Crossing Verification Report and file it in the closing packet.
12. Be required to have a permit to pull bore water from any creek, pond or other body of water. Atmos Energy Corporation Environmental Group will apply for the permit from Texas Commission on Environmental Quality. This process will take approximately 6 weeks to get a permit.
13. Have an approved Competent Person on the job site at all times. The Competent Person(s) will be identified to the Atmos at the pre-construction meeting.
14. Install, maintain, and remove erosion control devices as required in the Storm Water Pollution Prevention Plan (SWPPP) Upon completion of the Project work, Contractor will initiate the process to stabilize the disturbed surface area and establish surface restoration or final coverage. Surface stabilization, restoration, and final coverage means to establish vegetation (growth established) or restore the surface to original condition, depending on the nature of the original surface (i.e., vegetated, paved, other hard surface, etc).
15. **The disturbed areas along the Project must be restored to pre-construction conditions, which could include pavement, gravel, and / or native vegetation. Under EPA regulations for re-vegetation, the site must be prepped for planting (i.e. disced), seeded, and covered with a non-vegetative material. This cover could include mulch, hydro mulch, or biodegradable curlex. To establish the vegetation for stabilization, the seeded area should be watered on a regular basis until 70% uniform cover is met. The watering schedule is dependent on weather but should be at least weekly for approximately 8 weeks (at the minimum). Excluding cultivated land.**
16. Provide and install 3" to 5" size rock at entrances and exits of ROW. Remove rock when Project is complete.
17. Double ditch all open trenches to salvage top soil. Top soil to place back after trench is back fill.
18. Have all employees to wear flame resistant coveralls with hood at all tie-ins or where there may be any possibility of gas escaping.
19. Provide welders certified under Atmos' API-1104 procedures for construction of gas main.
20. Take appropriate precautions in Fire Prevention during welding and grinding operations to eliminate hot slag from igniting dry vegetation up to and including providing shielding, fire watch personnel, appropriate fire extinguishers, and spray bottles for personnel and water trucks.

21. Be responsible for completing the tapping and stoppling of any stopple fittings that will be installed. **Atmos must approve any third party service providers prior to performing any work.** Pressure at time of tapping will be approximately 60lbs.
22. **List any third party service providers to be performing any work on bid break down sheet with bid proposal.**
23. Cause each welder to keep their ISN Operator Qualification Records on their person for the duration of the Project. Welders can be qualified at any of the Atmos approved non-destructive testing location. This list can be provided upon request.
24. Ensure that all welded joints, induction bends, and fittings are to be coated with 2-part epoxy (FBE) – supplied by Atmos. Ensure that all welded joints on bore sections will be coated with one of these coating Powercrete J, Denso Protal 7000, or Denso Protal 7200) - supplied by Atmos.
25. Supply all equipment and trained personnel to apply the coating to the welded joints.
26. Check and install cathodic protection as required under Atmos Procedure Manual.
27. Ensure that asbestos coated pipe that is removed from the ground is wrapped in plastic immediately upon removal, and performed by properly trained personnel qualified for this work.
28. Haul off of any asbestos coated pipe to an approved site. (Atmos Service Center)
29. Install Safety fence around all open ditches in addition to parking equipment around bell holes whenever site is left unsupervised.
30. Provide all erosion control, traffic control, barricades, and signage as required.
31. Provide traffic control plan to City of Georgetown as required.
32. Be responsible for complying with all local, state and federal construction and environmental guidelines/requirements.
33. Obtain line locates for all existing utilities prior to construction.
34. Provide bedding and backfill material in the event excavated material does not meet specifications. If steel pipe is being installed sand or clay soils prohibited. Use only native soil or loam.
35. In TXDOT right of way backfill will be done in uniform layers not to exceed eight (8) inches in depth. Density test will be performed for all excavation in TXDOT right of way by a qualified testing lab. Density test documentation will be included in closing package. Each layer of backfill material, if dry, shall be wetted uniformly to the moisture content required to obtain a density comparable with the adjacent undisturbed soil and shall be compacted to that density by means of mechanical tampers or rammers. The use of rolling equipment of the type generally used in compacting embankments will be permitted on portions that are accessible to such equipment.
36. The pipe shall be padded with at least 6 inches on the bottom and sides and 12 inches on top of granular material that includes no hard particles larger than **one-half inch**. The remaining back-fill in the same ditch may consist of excavated material provided the particle size does not exceed 6 inches. No scrap or foreign material shall be disposed of in the ditch as backfill. Larger than 6 inch rocks may be buried as long as they are a minimum of 4 feet horizontal distance from the pipe.
37. At the end of the work day, all poly mains over 500 feet in length will be capped and pressured with air to 20PSIG.
38. Provide flowable backfill and/or compaction as required by City of Georgetown.
39. Select backfill from spoil which is free from rocks and debris to place directly around the pipeline. Backfill must provide firm support under the pipe.

40. Be responsible for disposition or haul off of all spoil and debris.
41. Provide temporary repair for all paving cuts.
42. Provide permanent paving repairs for all paving cuts.
43. Be required to provide a 2' x 2' x 4" thick reinforced concrete pad with wire mesh or rebar for all poly valve boxes installed in non-paved areas. All material for concrete valve box pad to be supplied by contractor.
44. Be responsible for negligent damage to pavement, curbing, sidewalk, etc. during construction.
45. Provide landscaping materials as required returning work site to original condition.
46. Provide a secure staging area for equipment and material.
47. Call and/or notify 811 and any other known utilities (i.e. City, County, subdivision developer, etc.).
48. Meet utility representatives on site to assure all markings are completed to the Contractor'S satisfaction.
49. Be responsible for sub-contracting qualified personnel to engineer cave-in protection for all bell holes greater than 20 feet in depth.
50. Provide a port-a-let for crews.
51. Contractor shall be solely responsible for all documentation including maps, test charts, test reports & any other documentation required per Atmos Mid Tex closing packet.

3. Contractor Exclusions

Contractor is not required to provide Permits, Fees, Pavement Repair, Demolition, Bid Bond, Clearing, Tree Removal, Flexible Base Backfill, Concrete Encasement, Tree Replacement, Revegetation, Grave Backfill, Construction Staking/Layout, Topsoil, Steel Encasement Pipe, Hydromulching, Densities, Saw-cutting, Concrete Backfill, Sodding, Flowable Backfill, Clearing, Sidewalk Repair, Flowable Fill, Hoe Ramming, Final Connections, Steel Gas Main Connections, SWPPP, Pipe Bollards, Existing Utility Adjustment/Relocation, Landscaping, Gas Meters, Gas Meter Installation, Watering, Saw-cutting, Erosion Control, Silt Fence, Grout, Grouting, Traffic Contrrol, Spoils Haul Off, Rock Trenching, Steel Encasement Pipe and Fence Removal/Replacement.

4. Other information:

1. Unless otherwise necessary to clear drainage or other facilities, main and services shall be installed with a minimum depth of 42", cover and no more than 72" cover within street (or as shown on prints).
2. High Density poly mains and services are part of a 60 lbs. MAOP system and are to be subject to a 150 lbs. not to exceed 160 lbs. if any medium density poly mains and service lines are in the test then the test will be subject to a 120 lbs. not to exceed 130 lbs. proof pressure test with signed chart.
3. The stand-up proof pressure test will be recorded using a recording pressure gauge with at least an 8 inch recording chart of the appropriate pressure range. This equipment must be calibrated at least once each 6 months and records maintained.
4. The chart will have noted on the front.

A. The Contractor's name and employee's name responsible for making the test, and the name of any test company used (Contractor).
B. The test medium used.
C. The test pressure.
D. The duration of the test.
E. Type, size, and length of material tested.
F. Range of testing equipment.
G. Brand and serial number of record.

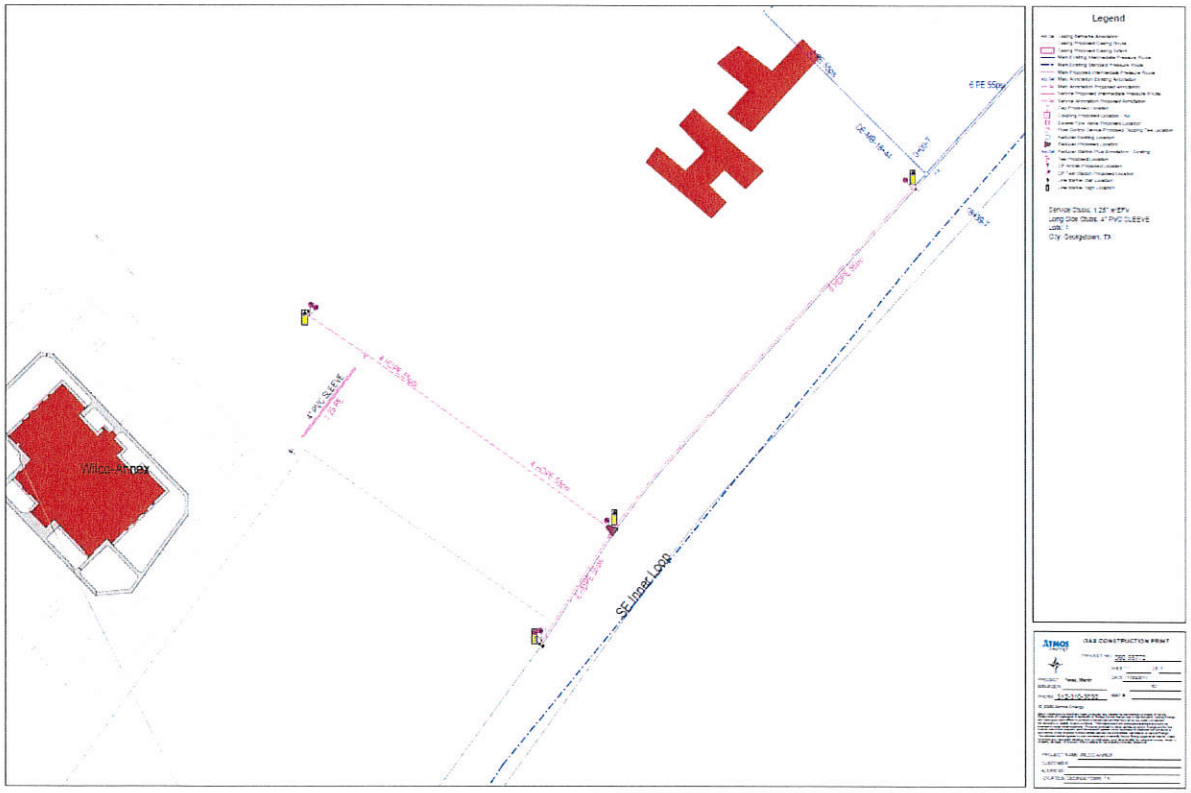
5. Calibration Record for test chart recorder must be on job site during the duration of the test and must be verified by serial number of recorder. A copy of this document will need to be included in closing package.
6. All work shall be performed in accordance with the Atmos Energy Contractor Construction Manual. The documents are available through ISNetworld Atmos Energy Bulletin Board.
7. Contractor must follow their safety plan that is approved through ISNetworld Review and Verification Services (RAVS); the Contractor must also comply
with all OSHA and DOT safety regulations anytime they are working on behalf of Atmos Energy Corporation.
8. All work shall be performed in accordance with the Code of Federal Regulations Part 192 Pipeline Safety Rules and all other applicable rules and regulations.
9. Excavation within 18" plus half the diameter of the existing pipeline will be by soft digging practices. Methods to be consider, based on certain climate or geographical conditions, include hand digging when practical, soft digging, vacuum excavation methods, pneumatic hand tools.
10. Atmos reserves the right to inspect ongoing and completed work.
11. Work hour restrictions are as required by the City of Georgetown and can be obtained from the city.
12. Contractor shall start work within 1 week of Atmos'S notification to begin construction and complete in a timely manner.
13. All existing piping will remain pressurized and in service until it is time to make the final tie-ins.
14. Below grade bare pipe and weld joints shall be sandblasted and coated with 2 part epoxy or any other approved method. Contractor to provide sandblasting, Atmos to supply 2 part epoxy.
15. All cuts made on existing pipeline facilities are to be made by "cold cut" method and not "torch cut".
16. The FCC/Inspector shall have the final say in any disputes that the Contractor may have.
17. Atmos has the right to have any welder or crew we deem not competent to perform work on our system to be removed from the Project.
18. All equipment provided for Project must be in good working condition. If FCC and/or Operation Inspection Rep. determines equipment is not working properly it shall be replaced with one known to be in good working condition.
19. If contractor supplies a start date and 3rd party inspection is schedule and contractor fails to start and did not notify Atmos of changes contractor will absorb any cost that Atmos incurs.

5. Required Documentation:

1. Atmos will require all documentation and as-built information to be submitted within 10 day of final tie in of facilities.
a. As-builts must contain all information with measurements for installed facilities
b. As-builts must contain all information with measurements for retirements
c. As-builts must contain all information with measurements for service lines installed
d. Work orders with accurate footages and quantities installed and retired, at final tie-in.
e. Contractor MUST COLLECT AND PROVIDE ALL POLY PRINT LINE DATA ON THE APPROPRIATE FORMS
f. ALL WORK ORDERS, SIGNED CHART (PROJECT NUMBER AND NAME), BORE PROFILE, AND INSPECTION TEST REPORTS MUST BE FILLED OUT WITH ACCURATE INFORMATION

Attachment No. 1

Design Layout of Facilities



Commissioners Court - Regular Session **22.**

Meeting Date: 02/06/2018

Atmos Wilco Way

Submitted For: Dan Gattis **Submitted By:** Hal Hawes, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a Utility Easement granting Atmos Energy Corporation an easement for a gas line and related appurtenances for the Williamson County Georgetown Annex Project.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Atmos Utility Eas

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:50 AM
Form Started By: Hal Hawes		Started On: 02/01/2018 09:46 AM
Final Approval Date: 02/01/2018		

UTILITY EASEMENT

STATE OF TEXAS §
§ **KNOW ALL MEN BY THESE PRESENTS:**
COUNTY OF WILLIAMSON §

This Easement is made between **Williamson County, Texas**, a political subdivision of the State of Texas (hereinafter referred to as "Grantor"), and **Atmos Energy Corporation** (herein referred to as "Grantee").

1. For the good and valuable consideration described in Paragraph 2 below, Grantor hereby GRANTS and CONVEYS to Grantee, and Grantee's successors and assigns, a non-exclusive easement (the "Easement") for the placement, construction, operation, repair, maintenance, replacement, upgrade, rebuilding and/or removal of natural gas line and related underground facilities (collectively, the "Facilities") under and across the following described property of the Grantor, to wit:

   > Being two strips of land which consists of 0.418 of an acre of land and 0.559 of an acre of land, situated in the Williamson Addison Survey, Abstract No. 21, said land being situated in the County of Williamson, State of Texas, being more particularly described by metes and bounds and by diagrams in **Exhibit A** and **Exhibit B** attached hereto and made a part hereof for all purposes (herein sometimes referred to as the "Easement Area" or the "Property").

2. The Easement and the rights and privileges herein conveyed, are granted for and in consideration of $10.00 and other good and valuable consideration to Grantor in hand paid by Grantee, the receipt and sufficiency of which is hereby acknowledged and confessed.

3. The Easement, with its rights and privileges, shall be used only for the purpose of placing, constructing, operating, repairing, maintaining, rebuilding, replacing, upgrading, and/or removing the Facilities. Grantee acknowledges and agrees that in no event shall the rights of Grantee in the Easement include any other types of rights, interests or use(s) other than such rights, interests or use(s) as specifically set forth herein.

4. Grantee shall not, without the prior written consent of Grantor, which shall not be unreasonably withheld, grant, transfer or otherwise assign any right or interest which Grantee receives under this instrument to any individual or entity who is not a party hereto. Any permitted assignment of this Easement and of the rights of the Grantee hereunder shall include an express assumption by the permitted assignee of the obligations set forth herein.

5. The duration of the Easement shall be perpetual; provided, however, Grantee acknowledges and agrees that in the event Grantee ceases to use the Facilities within

the Easement Area for a period of at least sixty (60) cumulative calendar days over a twelve (12) month period, all rights, title and interests granted to Grantee hereunder shall terminate and revert back to Grantor. In the event of such termination and reversion, Grantee shall execute a deed of release, in recordable form, and deliver same to Grantor immediately upon Grantor's written request to Grantee.

6. The Easement and the rights and privileges granted by this instrument are NON-EXCLUSIVE. However, Grantor and Grantor's successors and assigns shall not convey any other easement, license, or conflicting right to use the Easement Area for any purpose which will directly interfere with or prevent Grantee's use thereof or that would otherwise damage the Facilities.

7. Grantor shall retain full use of the Easement Area for any purpose not prohibited by the terms of this instrument.

8. Should Grantee or Grantee's agents, in the exercise of Grantee's rights hereunder, ever damage Grantor's property, whether it be real or personal property that is located within the Easement Area or within areas adjoining the Easement Area, Grantee shall be liable for such damage and Grantee shall be obligated to immediately repair the damaged property to its prior condition.

9. Grantee agrees that no hardwood trees, within the Easement Area or on the areas adjoining the Easement Area, having trunks that are two (2) inches in diameter or larger, measured two (2) feet above the ground, shall be cut, damaged or otherwise disturbed without the Grantor's prior written permission; however, cedar trees, brush, sprouts and small saplings may be cut, it being provided that all such brush, sprouts and small saplings shall be removed from the Grantor's property. In the event that Grantee or Grantee's agents and/or contractors cut, damage or otherwise disturb a hardwood tree having a trunk that is two (2) inches in diameter or larger, measured two (2) feet above the ground, Grantee shall be obligated and liable to Grantor for the repair and/or replacement value of each such damaged hardwood tree.

10. In addition to the Easement, rights, and privileges herein granted, Grantee shall have the temporary right to use the surface of any property owned by Grantor which is within Fifteen (15) feet of either side of the centerline of the of the Easement Area (the "Temporary Easement Area") to the extent necessary to construct and install the Facilities within the Easement Area. Upon the completion of such construction and installation, Grantee shall restore the surface of the Temporary Easement Area to the condition in which the same was found before any such work was undertaken, and Grantee's right to use any portion of Grantor's property adjacent to the Easement Area shall thereupon terminate for all purposes.

11. The terms of this instrument shall be binding upon Grantor, and Grantor's successors and assigns; shall bind and inure to the benefit of the Grantee and any successors or permitted assigns of Grantee; and shall be deemed to be a covenant running with the land.

12. This instrument contains the entire agreement between the parties relating to its subject matter. Any oral representations or modifications concerning this Easement shall be of no force and effect. Any subsequent amendment or modification must be in writing and agreed to by all parties.

13. Grantor and Grantor's successors and assigns are and shall be bound to WARRANT and FOREVER DEFEND the Easement and the rights conveyed in this instrument to Grantee and Grantee's successors and permitted assigns, against every person lawfully claiming or to claim all or any part thereof, by, through or under Grantor, but not otherwise, subject to the terms and provisions hereof and all matters of record or visible and apparent on the ground, to the extent same are valid, subsisting and affect the Easement Area.

IN WITNESS WHEREOF, Grantor has caused this instrument to be executed on this ___ day of _____, 20___.

GRANTOR:

Williamson County, Texas

By: _____
Dan A. Gattis
Williamson County Judge

ACKNOWLEDGMENT

STATE OF TEXAS §

COUNTY OF WILLIAMSON §

This instrument was acknowledged before me on the _____ day of _____, 20___, by DAN A. GATTIS, County Judge of the County of Williamson, a political subdivision of the State of Texas, on behalf of said political subdivision.

_____
Notary Public, State of Texas

AFTER RECORDING, RETURN TO GRANTEE:

Williamson County Facilities
c/o: Dale Butler
Assistant Director, Projects
3101 SE Inner Loop
Georgetown, TX 78626

EXHIBIT "A"

Parcel: 1-E
County: Williamson
Project: Inner Loop

EXHIBIT A
PROPERTY DESCRIPTION

DESCRIPTION OF A 0.418 ACRE (18,229 SQUARE FOOT), TRACT OF LAND SITUATED IN THE WILLIAM ADDISON SURVEY ABSTRACT NO. 21, IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THE REMAINDER OF THAT CALLED 179.2993 ACRE TRACT OF LAND DESCRIBED IN WARRANTY DEED TO COUNTY JUDGE JOHN DOERFLER (WILLIAMSON COUNTY) RECORDED IN DOCUMENT NO. 199975478, OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 0.418 ACRE (18,229 SQUARE FOOT) TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at an iron rod with aluminum cap stamped "COG-ROW 4933" set in the proposed northerly ROW line of said Inner Loop, 100.84 feet left of proposed Inner Loop baseline station 100+68.44, being in the common boundary line of the remainder of said 179.2993 acre tract and that called 10.00 acre tract of land described in Special Warranty Deed to Williamson County, Texas recorded in Document No. 2006086736 of the Official Public Records of Williamson County, Texas for the southerly corner and **POINT OF BEGINNING** of the herein described tract;

THENCE, departing said proposed northerly ROW line, with said common boundary line, **N 56°39'45" W** for a distance of **25.00** feet to a calculated point, being the westerly corner of the herein described tract, and from which the most northerly corner of said 10.00 acre tract bears N 56°39'45" W at a distance of 377.32 feet;

THENCE, departing said common boundary line, through the interior of the remainder of said 179.2993 acre tract, the following three (3) courses:

1) **N 33°17'55" E** for a distance of **173.36** feet to a calculated point of curvature to the right;

2) along said curve to the right, having a delta angle of **06°16'43"**, a radius of **1673.00** feet, an arc length of **183.33** feet, and a chord which bears **N 36°26'41" E** for a distance of **183.24** feet to a point of tangency;

3) **N 39°33'30" E** for a distance of **623.02** feet to a calculated point in said proposed northerly ROW line, for the northerly corner of the herein described tract, and from which an iron rod with aluminum cap stamped "COG-ROW 4933" set for an angle point in said proposed northerly ROW line, located 130.24 feet left of Inner Loop baseline station 110+34.51, bears N 50°26'30" W at a distance of 5.00 feet;

THENCE, with said proposed northerly ROW line, the following five (5) courses:

4) **S 50°26'30" E** for a distance of **15.00** feet to an iron rod with aluminum cap stamped "COG-ROW 4933" set, 110.24 feet left of Inner Loop baseline station 110+34.53, for the easterly corner of the herein described tract;

5) **S 39°33'30" W** for a distance of **623.04** feet to an iron rod with aluminum cap stamped "COG-ROW 4933" set, 110.09 feet left of proposed Inner Loop baseline station 104+13.50, for an ell corner;

6) **S 50°36'03" E** for a distance of **10.00** feet to an iron rod with aluminum cap stamped "COG-ROW 4933" set 100.09 feet left of proposed Inner Loop baseline station 104+13.36, for a point of curvature of a non-tangent curve to the left;

7) along said curve to the left, having a delta angle of **06°16'45"**, a radius of **1648.00** feet, an arc length of **180.61** feet, and a chord which bears **S 36°26'43" W** for a distance of **180.52** feet to an iron rod with aluminum cap stamped "COG-ROW 4933" set 101.20 feet left of proposed Inner Loop baseline station 102+41.44, for a point of non-tangency;

8) **S 33°17'55" W** for a distance of **173.38** feet to the **POINT OF BEGINNING,** containing 0.418 acres (18,229 square feet) of land, more or less.

All bearings recited herein are based on the Texas State Plane Coordinate System, Central Zone No. 4203, NAD 83.

This property description is accompanied by a separate plat.

That I, Lawrence M. Russo, 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 Round Rock, Williamson County, Texas.

Lawrence M. Russo 12/11/2017

Lawrence M. Russo — Date

Registered Professional Land Surveyor No. 5050
Inland Geodetics, LLC
Firm Registration No. 100591-00
1504 Chisholm Trail Road Suite 103
Round Rock, TX 78681
512-238-1200



EXHIBIT "B"

Parcel: 3-E
County: Williamson
Project: Inner Loop

EXHIBIT B
PROPERTY DESCRIPTION

DESCRIPTION OF A 0.559 ACRE (24,332 SQUARE FOOT), TRACT OF LAND SITUATED IN THE WILLIAM ADDISON SURVEY ABSTRACT NO. 21, IN WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THE REMAINDER OF THAT CALLED 179.2993 ACRE TRACT OF LAND DESCRIBED IN WARRANTY DEED TO COUNTY JUDGE JOHN DOERFLER (WILLIAMSON COUNTY) RECORDED IN DOCUMENT NO. 199975478, OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 0.559 ACRE (24,332 SQUARE FOOT) TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING at a 1/2 inch iron rod found, being a point of curvature in the existing northwesterly Right-of-Way (ROW) line of Inner Loop (ROW width varies), said northwesterly ROW line being the northwesterly boundary line of that called 5.15 acre (Tract 3) described in Warranty Deed to said County Judge John Doerfler (Williamson County) recorded in Document No. 9735409 of the Official Records of Williamson County, Texas, same being the southeasterly boundary line of said remainder of 179.2993 acre tract;

THENCE, departing said northwesterly ROW line, through the interior of said remainder of 179.2993 acre tract, S 63°08'21" W for a distance of 118.79 feet to a calculated point, being the most easterly corner of that called 0.561 acre Georgetown Utility Easement (15' wide) described and recorded in Document No. 2013018001 of the Official Public Records of Williamson County, Texas, same being in the northwesterly line of that called 1.752 acre Water & Electric Easement to the City of Georgetown described and recorded in Document No. 2006048905 of the Official Public Records of Williamson County, Texas, also being in the proposed northwesterly ROW line of said Inner Loop (proposed ROW width varies), for the most southerly corner and **POINT OF BEGINNING** of the herein described tract, and from which an iron rod with aluminum cap stamped "COG-ROW 4933" set (100.84 feet left of proposed Inner Loop Baseline Station 100+68.44) in the common boundary line of said remainder of 179.2993 acre tract and the northeasterly boundary line of that called 10.00 acre tract of land described in Special Warranty Deed to Williamson County, Texas recorded in Document No. 2006086736 of the Official Public Records of Williamson County, Texas, bears S 33°17'55" W, at a distance of 15.00 feet, pass the southerly corner of said 0.561 acre Easement tract, and continuing, crossing a Private Drive, (known as Wilco Way) for a total distance of 70.32 feet;

THENCE, departing said northwesterly boundary line of the 1.752 acre Easement tract, same being said proposed ROW line, with the northeasterly boundary line of said 0.561 acre Easement tract, being southeasterly of said Private Drive Wilco Way and that called Tracy Chambers Lane, (a connecting Private Drive), the following ten (10) courses:

1) **N 56°42'42" W** for a distance of **425.95** feet to a calculated point of curvature to the right;

2) along said curve to the right, having a delta angle of **10°23'57"**, a radius of **863.50** feet, an arc length of **156.73** feet, and a chord which bears **N 51°30'39" W** for a distance of **156.51** feet to a point of tangency;

3) **N 46°18'41" W** for a distance of **316.91** feet to a calculated angle point;

4) **N 01°18'41" W** for a distance of **95.82** feet to a calculated angle point;

5) **N 44°03'54" E** for a distance of **461.13** feet to a calculated angle point;

6) **N 21°33'54" E** for a distance of **62.18** feet to a calculated ell corner;

7) **S 68°26'06" E** for a distance of **15.27** feet to a calculated ell corner;

8) **N 21°33'54" E** for a distance of **16.68** feet to a calculated ell corner;

9) **N 68°26'06" W** for a distance of **15.27** feet to a calculated ell corner;

10) **N 21°33'54" E** for a distance of **66.92** feet to the calculated northeasterly corner of said 0.561 acre Easement tract, for the northwesterly corner of the herein described tract;

THENCE, departing said 0.561 acre Easement tract, through the interior of the remainder of said 179.2993 acre tract, the following eleven (11) courses:

11) **S 68°26'06" E** for a distance of **15.00** feet to the calculated northeasterly corner of the herein described tract;

12) **S 21°33'54" W** for a distance of **51.92** feet to a calculated ell corner;

13) **S 68°26'06" E** for a distance of **15.27** feet to a calculated ell corner;

14) **S 21°33'54" W** for a distance of **46.68** feet to a calculated ell corner;

15) **N 68°26'06" W** for a distance of **15.27** feet to a calculated ell corner;

16) **S 21°33'54" W** for a distance of **50.16** feet to a calculated angle point;

17) **S 44°03'54" W** for a distance of **457.84** feet to a calculated angle point;

18) **S 01°18'41" E** for a distance of **83.34** feet to a calculated angle point;

19) **S 46°18'41" E** for a distance of **310.70** feet to a calculated point of curvature to the left;

20) along said curve to the left, having a delta angle of **10°23'57"**, a radius of **848.50** feet, an arc length of **154.00** feet, and a chord which bears **S 51°30'39" E** for a distance of **153.79** feet to a point of tangency;

21) **S 56°42'42" E** for a distance of **425.95** feet to a calculated point, being in said proposed northwesterly ROW line, same being in the northwesterly boundary line of said 1.752 acre Easement tract, for the most easterly corner of the herein described tract;

22) **THENCE,** with said proposed northwesterly ROW line, same being the northwesterly boundary line of said 1.752 acre Easement tract, **S 33°17'55" W** for a distance of **15.00** feet to the **POINT OF BEGINNING,** containing 0.559 acres (24,332 square feet) of land, more or less.

All bearings recited herein are based on the Texas State Plane Coordinate System, Central Zone No. 4203, NAD 83.

This property description is accompanied by a separate plat.

That I, Lawrence M. Russo, 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 Round Rock, Williamson County, Texas.

Lawrence M. Russo

12/11/2017
Date

Lawrence M. Russo
Registered Professional Land Surveyor No. 5050
Inland Geodetics, LLC
Firm Registration No. 100591-00
1504 Chisholm Trail Road Suite 103
Round Rock, TX 78681
512-238-1200



Commissioners Court - Regular Session **23.**

Meeting Date: 02/06/2018

CR 200 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 Patrick McKinney for right of way needed on CR 200. (Parcel 4): Funding Source Road Bonds P285

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

McKinney Contract

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:59 AM
Form Started By: Charlie Crossfield		Started On: 02/01/2018 10:40 AM
Final Approval Date: 02/01/2018		

REAL ESTATE CONTRACT
CR 200 Right of Way—Parcel 4

THIS REAL ESTATE CONTRACT ("Contract") is made by PATRICK MCKINNEY a/k/a PATRICK EDWARD MCKINNEY (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 of land described as follows:

> Being a 0.867-acre (37,777 square feet) tract of land situated in the Richard West Survey, Abstract 643 in Williamson County, Texas and being out of Lot 1, Sundance Ranch, a plat recorded in Cabinet O, Slide 55, of the Plat Records of Williamson County, Texas and in Document No. 9701704 of the Official Public Records of Williamson County, Texas, said Lot 1 being conveyed to Patrick McKinney and Sandra McKinney by deed recorded in Document No. 2005016038, Official Public Records of Williamson County, Texas; said 0.867 acres are more particularly described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes.
> (**Parcel 4**);

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 described in Exhibit "A", any improvements on the Property, and any damage to and/or cost to cure for the remaining property of Seller shall be the sum of SEVENTY-FOUR THOUSAND EIGHT HUNDRED SEVENTY and 00/100 Dollars ($74,870.00).

Purchaser agrees to allow Seller to retain all the fencing materials currently on the Property subject to the following conditions: All fencing material improvements to be retained by Seller must be removed by Seller at no cost to Purchaser, and the fence improvements must be removed from the Property before the 60th day after Closing.

By execution of this Contract the parties agree that any improvements or other personal property located within the Property that are to be retained by Seller shall be removed or relocated off of the Property on or before the 60th day after Closing, or ownership shall of all improvements on the Property shall vest in the Purchaser after that date. Other personal property remaining on the Property after the 60th day after Closing shall otherwise become subject to removal or relocation by Purchaser, its contractors or agents after that date.

Payment of Purchase Price

2.02. The Purchase Price shall be payable in cash 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.

Title

3.03. Within seven (7) days from the Effective Date of this Contract, Purchaser shall cause the Title Company to furnish to the Purchaser a current commitment ("Title Commitment") for the issuance of an Owner's Policy of Title Insurance together with legible copies of all documents constituting exceptions to Seller's title as reflected in the Title Commitment. Purchaser may, on or prior to five (5) days after its receipt of the later of the Title Commitment, deliver to Seller in writing such reasonable objections as Purchaser may have to anything contained or set forth in the Title Commitment or the title exception documents. In the event Purchaser timely objects to any matter contained in the Title Commitment or title exception documents, Seller shall have a reasonable period of time after receipt of Purchaser's objections within which Seller may attempt to cure such

objections specified by Purchaser; provided, however, Seller shall provide reasonable responsive cooperation and assistance requested by Purchaser to cure any objections, but shall be under no obligation to incur any costs whatsoever in connection with such cure. In the event Seller has not yet satisfied each and every of Purchaser's stated title objections within ten (10) days following the date of Purchaser's objections, Purchaser shall elect to either (i) terminate this Contract, or (ii) waive those title objections which Seller has not satisfied and proceed to Closing. In the event Purchaser fails to elect (i) or (ii) in writing within such period, then, and in such event, Purchaser shall be deemed to have elected (ii).

Inspection

Purchaser acknowledges that Seller is providing Purchaser with an opportunity to thoroughly inspect the Property prior to Closing or all purposes, including any concerns with respect to any past, current or future violation of environmental laws or with respect to the presence, either now or in the past, of any hazardous substances at the Property.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF SELLER

After the Effective Date, Seller agrees that Purchaser shall be entitled to enter upon the Property and to conduct such inspections and audits as Purchaser may reasonably desire.

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) Seller has not entered into any lease or other agreement, whether written or oral, granting any other party the right to possess the Property. To Seller's actual knowledge, 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) To Seller's actual knowledge, Seller has complied with all applicable laws, ordinances, regulations, statutes, rules and restrictions relating to the Property, or any part thereof.

For purposes of this Contract, wherever the terms "knowledge," "belief," or words of similar import are used with respect to the Seller, such knowledge or belief shall be limited to the actual knowledge of PATRICK MCKINNEY a/k/a PATRICK EDWARD MCKINNEY.

The Property herein is being conveyed to Purchaser under threat of condemnation.

PURCHASER HEREBY EXPRESSLY ACKNOWLEDGES THAT IT HAS OR WILL HAVE, PRIOR TO THE CLOSING, THOROUGHLY INSPECTED AND EXAMINED THE

PROPERTY TO THE EXTENT DEEMED NECESSARY BY THE PURCHASER IN ORDER TO ENABLE THE PURCHASER TO EVALUATE THE PURCHASE OF THE PROPERTY. PURCHASER REPRESENTS THAT IT IS A KNOWLEDGEABLE PURCHASER OF ASSETS SUCH AS THE PROPERTY AND THAT IT IS RELYING SOLELY ON ITS OWN EXPERTISE AND THAT OF PURCHASER'S CONSULTANTS, AND THAT PURCHASER WILL CONDUCT SUCH INSPECTIONS AND INVESTIGATIONS OF THE PROPERTY, INCLUDING BUT NOT LIMITED TO THE PHYSICAL AND ENVIRONMENTAL CONDITIONS THEREOF, AND SHALL RELY UPON SAME, AND UPON CLOSING SHALL ASSUME THE RISK OF ANY ADVERSE MATTERS, INCLUDING BUT NOT LIMITED TO, ADVERSE PHYSICAL AND ENVIRONMENTAL CONDITIONS, THAT MAY NOT HAVE BEEN REVEALED BY PURCHASER'S INSPECTIONS AND INVESTIGATIONS. PURCHASER FURTHER ACKNOWLEDGES AND AGREES THAT PURCHASER IS ACQUIRING THE PROPERTY ON AN AS-IS, WHERE-IS AND WITH ALL FAULTS BASIS WITHOUT REPRESENTATIONS, WARRANTIES OR COVENANTS, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER DISCLAIMS RELIANCE UPON ALL ORAL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER HEREBY WAIVES AND RELINQUISHES ALL RIGHTS AND PRIVILEGES ARISING OUT OF, OR WITH RESPECT OR IN RELATION TO, ANY REPRESENTATIONS, WARRANTIES OR COVENANTS, WHETHER EXPRESS OR IMPLIED, WHICH MAY HAVE BEEN MADE OR GIVEN, OR WHICH MAY HAVE BEEN DEEMED TO HAVE BEEN MADE OR GIVEN, BY THE SELLER, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER HEREBY AGREES THAT SELLER SHALL NOT BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR OTHER DAMAGES RESULTING OR ARISING FROM OR RELATING TO THE OWNERSHIP, USE, CONDITION, LOCATION, MAINTENANCE, REPAIR OR OPERATION OF THE PROPERTY.

SURVIVAL. IT IS AGREED AND UNDERSTOOD THAT THE TERMS AND PROVISIONS OF THIS ARTICLE IV SHALL EXPRESSLY SURVIVE THE CLOSING AND NOT MERGE THEREIN.

ARTICLE V
CLOSING

Closing Date

5.01. The Closing shall be held at the office of Austin Title Company (the "Title Company") on or before January 31st, 2018 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 Special Warranty Deed conveying good and indefeasible title to Williamson County, Texas in fee simple to all of the Property described in Exhibit "A", free and clear of any and all 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.

The Deed shall be in the form as shown in Exhibit "B" attached hereto and incorporated herein.

(2) Cooperate, to the extent required, to ensure that the Title Company will deliver to Purchaser a Texas Owner's Title Policy at Purchaser's sole expense, issued by Title Company, 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 promulgated 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".

(3) 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;

(b) Pay the costs of Closing as required by this Contract.

Prorations

5.04. General real estate taxes for the then current year relating to the Property 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. Agricultural roll-back taxes, if any, 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 (including the base premium and the cost of all endorsements and special elective coverages) and survey to be paid by Purchaser.

(2) Deed (including recording costs), 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.

After Closing

5.06. Within 30 days after Closing, Purchaser shall stake the corners of the Property.

Additionally, within this time frame, purchaser agrees to have a registered professional land surveyor define (steak/flag) the entire new property line in a manner acceptable to seller. sellers intention with this amendment is to gain an understanding of the curve in the new property line for fence construction.

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; Total Agreement; Modification

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. This Contract constitutes the entire agreement among the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements and understandings of the parties in connection therewith, specifically including any letter of intent negotiated by the parties in relation to the Property. No representation, warranty, covenant, agreement or condition not expressed in this Contract shall be binding upon the parties hereto or shall affect or be effective to interpret, change or restrict the provisions of this Contract. This Contract may not be modified or amended, except by an agreement in writing signed by both the Seller and the Purchaser.

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.

No Recordation

8.08. Seller and Purchaser hereby acknowledge that neither this Contract nor any memorandum or affidavit thereof shall be recorded of public record in the county where the Property is located or any other county in Texas.

Compliance

8.09. In accordance with the requirements of Section 1101.555 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.

Exhibits

8.12. The following Exhibits are attached hereto:

- Exhibit "A": Property metes and bounds legal description
- Exhibit "B": Agreed Deed Form

SELLER:

By: Patrick McKinney 1/24/18
PATRICK MCKINNEY
a/k/a PATRICK EDWARD MCKINNEY

Address: 101 Sundance Trail
Liberty Hill, TX
78642

By signing below, purchaser acknowledges they have read, understand and agree to sellers amendment to section 5.06 of this contract.

PURCHASER:

WILLIAMSON COUNTY, TEXAS

By:_____
Dan A. Gattis
County Judge

Address: 710 Main Street, Suite 101
Georgetown, Texas 78626

Date:_____

Commissioners Court - Regular Session **24.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office Public Hearing

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Civil Attorney, position # 0046, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

Background

1. The reason for the payment in excess of the budgeted amount is to provide for retention of a tenured employee.
2. The excess amount is $3,870.05 which will be paid through the normal bi-weekly payroll. The public purpose served by providing this retention is the ability to reduce service delivery issues due to turnover and provide accurate and timely service due to the advanced knowledge of the current employee.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:25 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 04:55 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **25.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Civil Attorney, position #0046 in the County Attorney's Office from the budgeted annual salary amount of $96,751.20 to the increased salary amount of $100,621.38 for the remainder of the current fiscal year.

Background

This increase is due to a retention request and will be funded using excess salary funds in the current budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:25 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 04:58 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **26.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office Public Hearing

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, Position # 0013, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

Background

1. The reason for the payment in excess of the budgeted amount is to provide for retention of a tenured employee.
2. The excess amount is $4,580.83 which will be paid through the normal bi-weekly payroll. The public purpose served by providing this retention is the ability to reduce service delivery issues due to turnover and provide accurate and timely service due to the advanced knowledge of the current employee.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:26 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 04:59 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **27.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, position #0013 in the County Attorney's Office from the budgeted annual salary amount of $38,173.70 to the increased salary amount of $42,754.47 for the remainder of the current fiscal year.

Background

This increase is due to a retention request and will be funded using excess salary funds in the current budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:26 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 05:01 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **28.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office Public Hearing

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

10:00 Conduct public hearing relating to a request from County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, Position # 0012, in the County Attorney's Office and discuss (1) the reason for the payment in excess of the budgeted amount is being offer to the employee, including the public purpose that will be served by making the excess payment; and (2) the exact amount of the excess payment, the sources of the payment, and the terms for distribution of the payment that effect and maintain the public purpose to be served by making the excess payment.

Background

1. The reason for the payment in excess of the budgeted amount is to provide for retention of a tenured employee.
2. The excess amount is $4,564.41 which will be paid through the normal bi-weekly payroll. The public purpose served by providing this retention is the ability to reduce service delivery issues due to turnover and provide accurate and timely service due to the advanced knowledge of the current employee.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:26 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 05:02 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **29.**

Meeting Date: 02/06/2018

Retention Request County Attorney's Office

Submitted By: Tara Raymore, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a request by County Attorney Dee Hobbs to increase the budgeted salary amount for the position of CA Victim Advocate, position #0012 in the County Attorney's Office from the budgeted annual salary amount of $37,886.80 to the increased salary amount of $42,451.17 for the remainder of the current fiscal year.

Background

This increase is due to a retention request and will be funded using excess salary funds in the current budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:26 AM
Form Started By: Tara Raymore		Started On: 01/29/2018 05:03 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **30.**

Meeting Date: 02/06/2018

Constable 2 New Hire

Submitted For: Cynthia Long **Submitted By:** Kathy Pierce, Commissioner Pct. #2

Department: Commissioner Pct. #2

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on filling open position of Deputy Constable for the Williamson County Precinct 2 Constable's Office with Keith A. Wenzel, pursuant to Tex. Loc. Gov't code 86.011.

Background

Keith A. Wenzel is being appointed to the open position of Deputy Constable by Constable Rick Coffman. Mr. Wenzel is a licensed peace officer in the State of Texas with 39 years of active law enforcement experience, 34 of which were with the Dallas P.D. Mr. Wenzel is a 7-month resident of Williamson County. There is no attachment for this agenda item.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/29/2018 02:59 PM
Form Started By: Kathy Pierce		Started On: 01/29/2018 09:53 AM
Final Approval Date: 01/29/2018		

Commissioners Court - Regular Session **31.**

Meeting Date: 02/06/2018

Land Appt

Submitted For: Dan Gattis **Submitted By:** Hal Hawes, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on reappointing Joanne Land to the Williamson County and Cities Health District Board of Directors to serve a three (3) year term commencing effective as of January 1, 2018 and ending December 31, 2020.

Background

Ms. Land's term expired in December of 2017 and this item is to reappoint her for an additional three year term.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/29/2018 02:59 PM
Form Started By: Hal Hawes		Started On: 01/29/2018 11:30 AM
Final Approval Date: 01/29/2018		

Commissioners Court - Regular Session **32.**

Meeting Date: 02/06/2018

VA Grant

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and take appropriate action to allow the Sheriff's Office to submit an application for the General Victim Assistance Program grant through the Office of the Governor's Criminal Justice Division.

Background

The Sheriff's Office is seeking to apply for the General Victim Assistance Program grant through the Office of the Governor's Criminal Justice Division. If awarded this grant, the funding will be used to add a Victim Assistance Case Worker position to the department for a one-year term. The anticipated project dates are October 1, 2018 through September 30, 2019 and will not affect the current fiscal year.

The project total will be approximately $83,500.00, with the General Victim Assistance Program grant providing approximately $66,800.00 of the funding. The grant requires a 20% match that will be approximately $16,700.00, which will be met though a cash match for a portion of the transportation budget and included in the fiscal year 2019 budget. This project will provide for all expenses associated with the position, including salary and fringe benefits, training, transportation, supplies, and equipment costs. If we are awarded this grant, we will request a 24-month continuation project through the same grant process in 2019.

The Office of the Governor requires resolution approved by the governing body, naming the authorized official with signatory authority.

Staff recommends he following action: Approve the Sheriff's Office to apply for the General Vitim Assistance Program grant through the Office of the Governor's Criminal Justice Division and approve appropriate county department personnel to complete documentation relevant to the implementation of the grant.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Resolution

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:59 AM
Form Started By: Starla Hall		Started On: 02/01/2018 10:01 AM
Final Approval Date: 02/01/2018		

IN THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, TEXAS

WHEREAS, The Williamson County Commissioner's Court finds it in the best interest of the citizens of Williamson County, that the Williamson County Sheriff's Office Victim Assistance Case Worker be operated for the fiscal year 2019; and

WHEREAS, Williamson County Commissioner's Court agrees to provide applicable matching funds for the said project as required by the Criminal Justice Division General Victim Assistance Direct Services Program grant application; and

WHEREAS, Williamson County Commissioner's Court agrees that in the event of loss or misuse of the Office of the Governor funds, Williamson County Commissioner's Court assures that the funds will be returned to the Office of the Governor in full.

WHEREAS, Williamson County Commissioner's Court designates Honorable Dan A. Gattis, Williamson County Judge as the grantee's authorized official. The authorized official is given the power to apply for, accept, reject, alter or terminate the grant on behalf of the applicant agency.

NOW THEREFORE, BE IT RESOLVED that Williamson County Commissioner's Court approves submission of the grant application for the Williamson County Sheriff's Office Victim Assistance Case Worker to the Office of the Governor.

Resolved this _____ of February, 2018.

_____

Williamson County Judge Dan A. Gattis

Commented [PC1]: It is not necessary to include the dollar or percentage amount, just a commitment to provide the applicable match. Changes in the award amount could result in a requirement for the grantee to submit a new resolution.

This provision is not required for resolutions submitted under some funding sources because no matching funds are required – check the application instructions for the applicable match requirements for this funding source.

Commissioners Court - Regular Session **33.**

Meeting Date: 02/06/2018

Resolution for Homeland Security grant for Incident Command Vehicle for County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action to approve the Resolution for the Sheriff's Office Law Enforcement Terrorism Prevention Activities Grant application with the State Homeland Security Program.

Background

On January 23, 2018, the Commissioners Court approved the Sheriff's Office to apply for a grant to purchase an Incident Command Vehicle through the Law Enforcement Terrorism Prevention Activities Grant with the State Homeland Security Program. To complete the application, a resolution must be approved by the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Resolution-Incident Command Vehicle

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:47 AM
Form Started By: Starla Hall		Started On: 01/31/2018 09:55 AM
Final Approval Date: 02/01/2018		

IN THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, TEXAS

WHEREAS, the Williamson County Commissioners Court finds it in the best interest of the citizens of Williamson County, that the Incident Command Vehicle Project be operated for the fiscal year 2019; and

WHEREAS, the Williamson County Commissioners Court agrees that in the event of loss or misuse of the Office of the Governor funds, the Williamson County Commissioners Court assures that the funds will be returned to the Office of the Governor in full.

WHEREAS, the Williamson County Commissioners Court designates the Honorable Dan A. Gattis, Williamson County Judge as the grantee's authorized official. The authorized official is given the power to apply for, accept, reject, alter or terminate the grant on behalf of the applicant agency.

NOW THEREFORE, BE IT RESOLVED that the Williamson County Commissioners Court approves submission of the grant application for the Incident Command Vehicle Project to the Office of the Governor, Homeland Security Grant Division.

Resolved this _____ of February, 2018.

_____

Williamson County Judge Dan A. Gattis

Commissioners Court - Regular Session **34.**

Meeting Date: 02/06/2018

agreement for meeting space

Submitted For: D. Hobbs **Submitted By:** Stephanie Lloyd, County Attorney

Department: County Attorney

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an Agreement between Williamson County Attorney Office, acting by and through Williamson County, Texas, and Hines Georgetown Hotel, LLC d/b/a Sheraton Austin Georgetown Hotel & Conference Center for rental of space for the Williamson County Attorney's Office off site training at the Hotel and Conference Center from March 21, 2018 to March 23, 2018.

Background

The County Attorney's Office will be conducting off site training for management staff in our office and we would like to use the Sheraton to hold this training. The cost is significantly less to hold this 2 1/2 day training locally than traveling outside the county and is a great value.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

agreement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 11:51 AM
Form Started By: Stephanie Lloyd		Started On: 01/31/2018 04:48 PM
Final Approval Date: 02/01/2018		

Agreement between **Hines Georgetown Hotel, LLC as Owner of Sheraton Georgetown Hotel & Conference Center By: Sheraton License Operating Company, LLC, a Delaware limited liability company, Its Operator** and **Williamson County Attorney Office**

Customer	**Property**
Williamson County Attorney Office	Sheraton Austin Georgetown Hotel & Conference Center
Judge Dan Gattis	Kristin Sisk-mcallister
710 S. Main Street, Ste. 101	1101 Woodlawn Avenue
Georgetown, TX 78626	Georgetown, TX, 78628
United States	United States
Phone: 5129431111	Phone: 7374442737
Fax :	Fax : 7374442729
Email : slloyd@wilco.org	Email : kristin.sisk-mcallister@sheraton.com

RE: Wilco Attorney's Office March Meetings

This Agreement between Williamson County Attorney Office ("**Customer**") and Hines Georgetown Hotel, LLC d/b/a Sheraton Austin Georgetown Hotel & Conference Center ("**Hotel**") is effective as of the date it is signed by Hotel ("**Agreement Date**").

Event Dates: 21-Mar-2018 to 23-Mar-2018

Function Space/Schedule of Events:
This Agreement applies to the following events and function space:

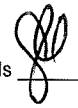
Date	Function Description	Start – End Time	Function Space	Set Up	# PPL	Room Rental
Wed, 21-Mar-2018	Meeting	8:00AM- 5:00PM	TBD (guaranteed minimum of 800 sq. ft.)	Classroom Style	20	$0.00
Wed, 21-Mar-2018	Lunch Buffet	12:00PM- 1:00PM	TBD (guaranteed minimum of 800 sq. ft.)	Flow Through	20	$0.00
Wed, 21-Mar-2018	Break	3:00PM- 3:30PM	TBD (guaranteed minimum of 800 sq. ft.)	Flow Through	20	$0.00
Thu, 22-Mar-2018	Meeting	8:00AM- 5:00PM	TBD (guaranteed minimum of 800 sq. ft.)	Classroom Style	20	$0.00
Thu, 22-Mar-2018	Lunch Buffet	12:00PM- 1:00PM	TBD (guaranteed minimum of 800 sq. ft.)	Flow Through	20	$0.00
Thu, 22-Mar-2018	Break	3:00PM- 3:30PM	TBD (guaranteed minimum of 800 sq. ft.)	Flow Through	20	$0.00
Fri, 23-Mar-2018	Meeting	8:00AM- 12:00PM	TBD (guaranteed minimum of 800 sq. ft.)	Classroom Style	20	$0.00
Fri, 23-Mar-2018	Break	10:00AM- 10:30AM	TBD (guaranteed minimum of 800 sq. ft.)	Flow Through	20	$0.00
Total						$0.00

Rates do not include applicable state and local taxes, currently 8.25 %%.

Assignment of Function Space: Hotel will provide Customer with Function Space in accordance with the schedule of events, based on the contracted number of people attending the event. Hotel may make reasonable substitutes to Function Space by notifying Customer.

Banquet Event Orders: Hotel will provide Customer with Banquet Event Orders ("**BEOs**") that specify and confirm the specific details and terms and conditions for each event including, final menu selections, pricing, room set up and decor.

Food & Beverage: Due to licensing requirements and for quality control, all food and beverage served at Hotel must be supplied and prepared by Hotel. Menu prices will be confirmed on Banquet Event Orders (BEOs). A service charge, currently 23% of the total food and beverage revenue (plus all applicable taxes), will be added to all food and beverage charges. Included as part of the service charge is a gratuity (currently 16% of total food and beverage revenue) that is paid directly to food and beverage service staff. The remainder of the service charge is retained by Hotel to cover non-itemized costs of the event. No other fee or charge, including administrative fees, set up fees, labor fees, or bartender or food station fees, is a tip, gratuity, or service charge

Customer Initials _____ Hotel initials 

for any employee.

Minimum Revenue: This Agreement will generate revenue for Hotel from a variety of sources, including guest rooms, food & beverage, and charges for ancillary services. The minimum revenue anticipated by Hotel under this Agreement (excluding taxes and other charges) is:

Minimum Food & Beverage Revenue (*based on committed food & beverage minimum)*:	$1786
Estimated Other Revenue:	$
Total Minimum Revenue:	**$1786**

Attrition: If Customer does not fulfill its Minimum Food & Beverage Revenue commitment, it will pay the difference between its Minimum Food & Beverage Revenue commitment and its actual food & beverage revenue (plus all applicable taxes.)

Cancellation: If Customer cancels this Agreement, Customer will provide written notice to Hotel, accompanied (except in the case of a Force Majeure) by payment of the amounts indicated below:

From the Agreement Date to 91 days prior to 21-Mar-2018 :	50% of Total Minimum Revenue = $893
From 90 days to 31 days prior to 21-Mar-2018:	75% of Total Minimum Revenue = $1340
From 30 days or less prior to 21-Mar-2018:	90% of Total Minimum Revenue = $1607

The parties agree that the amounts included in this Cancellation clause are reasonable estimates of the losses that would be incurred by Hotel and factor in Hotel's ability to mitigate its losses through resale.

Payment Options: Payment will be made as indicated below. *Please check applicable option.*

	Customer Pays	Guest Pays
Guest rooms (including taxes and automatic or mandatory charges):		x
Event Food & Beverage (including taxes, service charges, and administrative charges):	x	
Incidental charges:		x

Master Account: Hotel will set up a "Master Account" for Customer for payment of charges under this Agreement. Customer must review all charges billed to the Master Account to ensure accurate billing.

Deposit Schedule: Customer will pay deposits to Hotel as follows:

Type	Due Date	Amount
1st Deposit	9-Feb-2018	$2378.01
Final Deposit	19-Mar-2018	Remaining balance

Payment: Customer will pay the estimated amount of the Master Account as shown on the deposit schedule. Customer will advise hotel of its expected method of payment of the Master Account at least 30 days in advance of 21-Mar-2018. If Customer will pay using a credit card honored by Hotel, a valid credit card must be provided to Hotel no later than 21-Mar-2018, and all Master Account charges will be charged to such credit card at departure. Any amounts not paid at departure will accrue interest at 1 ½ % per month from the date of departure. Customer must notify Hotel of any disputes within 5 business days of Customer's receipt of invoice from Hotel or disputes will be considered waived. If Hotel determines after establishing a deposit schedule that Customer's credit status has changed negatively, Hotel may require payment of all estimated Master Account charges no later than 14 days before 21-Mar-2018.

Concessions: Hotel will provide the following concessions if the Minimum Food & Beverage Revenue is received:

- Complimentary linenless tables & chairs
- Complimentary clutter free station to include pads, pens, candy and water
- Complimentary signage directing attendees to event space
- Complimentary parking for all attendees
- Dedicated events specialist to be at your service throughout the planning process

Customer Initials _____ Hotel initials _____

Use of Event and Function Space: To protect the safety and security of all Hotel guests and property, Customer will obtain Hotel's advance written approval before using items in event and function space that could create noise, noxious odors or hazardous effects (*e.g.*, loud music, smoke or fog machines, dry ice, confetti cannons, candles, or incense) and before engaging in any activities outside of the reserved function rooms (*e.g.*, registration table). Customer will obtain any required Fire Marshall or other safety approvals, and will pay any expenses incurred by Hotel as a result of such activity, such as resetting smoke or fire alarms or unusual clean-up costs.

Security: Hotel does not provide security in the event and function space and all personal property left in the event or function space is at the sole risk of the owner. Customer will advise its attendees that they are responsible for safekeeping of their personal property. Hotel may reasonably require Customer to retain security personnel in order to safeguard guests or property in Hotel. Security personnel are not authorized to carry firearms without advance Hotel approval.

Ancillary Services: Hotel may provide, or contract with third parties to provide, ancillary services (e.g., A/V, drayage, florists, exhibitors) to Customer for additional charges. Except with respect to certain services (e.g., rigging services), Customer may use its own vendors for such services provided that Customer's proposed vendors meet minimum standards established by Hotel, including insurance and indemnification requirements. With respect to audiovisual services, Customer will inform Hotel of its decision to bring its own vendor at least 60 days prior to 21-Mar-2018, and will sign, and have its audiovisual vendor sign, an acknowledgement of Hotel's Audiovisual Service Standards at least 45 days prior to 21-Mar-2018.

Rigging Services: If Customer requires rigging services, rigging equipment or the use of rigging points, it will be required to use the Hotel's exclusive rigging services provider.

Shipping and Storage: Hotel does not have storage space for crates, pallets or large shipments. Any materials to be sent to Hotel may arrive no earlier than 3 days prior to 21-Mar-2018. A handling and storage fee of $5 per box will be assessed. Hotel will not be responsible for any loss or damage to materials set to Hotel prior to 21-Mar-2018.

Disclosure: Customer will be responsible for determining to whom it needs to disclose any terms of this Agreement, including any commission or rebate that it may receive. Customer will disclose to all Customer attendees the type and amount of all automatic and mandatory charges that will be charged to them by Hotel.

Laws and Policies: Each party will comply with all applicable federal, state and local laws (including the Americans with Disabilities Act) and Hotel rules and policies. Customer will be responsible for providing its disabled members with auxiliary aids in connection with any Customer events or activities. Upon Customer's reasonable request, Hotel will cooperate with Customer to provide services on behalf of Customer's disabled attendees.

Smoke Free Policy: Hotel is a smoke free hotel. Restaurants on property that are not operated by Hotel may not participate in the smoke free policy. To protect the smoke free environment, Hotel will post a $200 cleaning fee to the account of any guests who smoke in their guest room. To ensure the cooperation and comfort of Customer's attendees, Customer agrees to advise its attendees of the smoke free policy in writing.

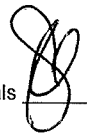
Privacy: Customer will obtain all necessary rights and permissions prior to providing any personally identifiable information ("PII") to Hotel, including all rights and permissions required for Hotel, Starwood Hotels & Resorts Worldwide, Inc. ("Starwood"), Starwood affiliates, and service providers to use and transfer the PII to locations both within and outside the point of collection (including the United States) in accordance with Starwood's privacy statement (www.starwoodhotels.com/corporate/privacy_policy.html) and applicable law.

Confidential Information: Customer and Hotel will each take reasonable steps to keep all confidential information provided by the other party confidential and to identify information as confidential when shared. Confidential information will not include: (1) information that is publicly available; (2) PII, which will be handled by the parties in accordance with the "Privacy" provision above; or (3) information that is left or discarded in event rooms, public space or guest rooms.

Insurance: Each party will maintain insurance sufficient to cover any claims or liabilities which may reasonably arise out of or relate to its obligations under this Agreement and will provide evidence of such insurance upon request.

Indemnification: To the extent allowed by Texas law, defend and hold the other harmless from any loss, liability, costs or damages arising from actual or threatened claims resulting from its breach of this Agreement or the negligence, gross negligence or intentional misconduct of such party or its officers, directors, employees, agents, contractors, members, or participants. Neither party will be liable for punitive damages.

Dispute Resolution: The parties will resolve any claim or dispute arising out of or relating to this Agreement through binding arbitration before one arbitrator conducted under the rules of the American Arbitration Association or JAMS in the state and city in which Hotel is located. The law of the state in which Hotel is located will be the governing law. The arbitration award will be

Customer Initials _____ Hotel initials 

enforceable in any state or federal court. In any arbitration or litigation arising out of or relating to this Agreement or the enforcement of any arbitration award, the prevailing party will recover attorneys' fees and costs including expert witness and arbitration fees and pre- and post-judgment interest. Each party will be responsible for attorneys' fees and interest associated with the other party's efforts to collect monies owed under this Agreement.

Force Majeure: If acts of God or government authorities, natural disasters, or other emergencies beyond a party's reasonable control make it illegal or impossible for such party to perform its obligations under this Agreement, such party may terminate this Agreement upon written notice to the other party without liability.

Notice: Any notice required or permitted by the terms of this Agreement must be in writing.

Assignment: Customer may not assign or delegate its rights or duties under this Agreement without Hotel's prior approval.

Severability: If any provision of this Agreement is held to be invalid or unenforceable that provision will be eliminated or limited to the minimum extent possible, and the remainder of the Agreement will have full force and effect.

Waiver: If either party agrees to waive its right to enforce any term of this Agreement, it does not waive its right to enforce any other terms of this Agreement.

This Agreement constitutes the entire agreement between the parties, supersedes all other written and oral agreements between the parties concerning its subject matter, and may not be amended except by a writing signed by Hotel and Customer.

ACCEPTED AND AGREED TO:

Williamson County Attorney Office
(Name of Association/Company)

By _____
Judge Dan Gattis

Date _____

Hines Georgetown Hotel, LLC as owner of Sheraton Georgetown Hotel & Conference Center By: Sheraton License Operating Company, LLC a Delaware Limited Liability Company, It's operator, as owner of Sheraton Austin Georgetown Hotel & Conference Center

By _____
Kristin Sisk McAllister
Catering Sales Manager

Date 2-1-18

By _____
Jennifer Hart
Director of Catering Sales & Management

Date 2/1/18

Customer Initials _____ Hotel initials _____

SPG PRO PROVISIONS

Award of Benefits: Certain benefits awarded through the Starwood Preferred Guest program ("**SPG**"), including Starpoints and eligible nights (collectively, "**Benefits**"), are available for business contracted through the sales and catering departments of participating Starwood hotels. Group acknowledges that such Benefits have been offered in connection with this Agreement, and Group consents to the awarding of Benefits to the individual(s) listed below (each a "**Group Recipient**"). Once Group has departed the Hotel's facilities and full payment is received by Hotel, Benefits will be awarded to the Group Recipients in accordance with the SPG terms and conditions http://www.starwoodhotels.com/preferredguest/legal/spg_terms.html (the "**SPG T&Cs**").

Member Name	Starwood Preferred Guest Membership Number
1.	
2.	
3.	

Each Group Recipient will earn (a) an amount of Starpoints based on (i) his or her status in SPG and (ii) the total amount of eligible event charges that are paid for the Event ("**Event Charges**") divided by the number of Group Recipients and (b) an amount of eligible nights based on the total number of guest rooms paid for under this Agreement ("**Paid Rooms**") divided by the number of Group Recipients, in each case, subject to the SPG T&Cs.

Customer Initials _____ Hotel initials _____

Commissioners Court - Regular Session **35.**

Meeting Date: 02/06/2018

WCRAS MOU for Showbarn use

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 Memorandum of Understanding between the Williamson County Regional Animal Shelter and Williamson County for the cooperative facility use of the county showbarn at San Gabriel Park.

Background

This agreement allows the WCRAS to house dogs at the showbarn while the shelter's primary facility is being renovated.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Shelter MOU

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	02/01/2018 09:43 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:47 AM
Form Started By: Rachel Rull		Started On: 01/25/2018 10:26 AM
Final Approval Date: 02/01/2018		

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

COOPERATIVE FACILITY USE OF COUNTY SHOWBARN AT SAN GABRIEL PARK (425 MORROW ST., GEORGETOWN, TX) BETWEEN THE WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER AND WILLIAMSON COUNTY (MEMORANDUM OF UNDERSTANDING)

THIS MEMORANDUM OF UNDERSTANDING ("MOU") entered into by and between the Williamson County Regional Animal Shelter ("Shelter") and Williamson County, Texas ("County"), and collectively referred to hereinafter as "The Parties."

RECITALS

WHEREAS, the Shelter requests temporary use of the Williamson County Showbarn ("Showbarn") located at San Gabriel Park, 425 Morrow St., Georgetown, TX to house dogs while the Shelter's primary animal shelter facility is being renovated;

WHEREAS, the Shelter is aware of the City of Georgetown events that occur in the park that may compete with temporary Shelter activities, available parking, and customer access, including but not limited to: general city park activities, soccer, baseball, rodeo, 4th of July celebration, and upcoming city construction; and

WHEREAS, such cooperation for sharing the Showbarn is considered to be in the public interest and fosters efficiencies and cost savings for the benefit of all citizens;

NOW, THEREFORE, The Parties understand as follows:

PART 1 - EFFECTIVE DATE: This MOU goes into effect when it has been signed by each party's respective designated representative.

PART 2 –DURATION OF MOU: The term contemplated by this MOU shall be 12 months from effective date, or when terminated pursuant to Part 8 below, or until the parties mutually decide to terminate.

PART 3 – UTILITIES: The Shelter will pay all related utilities during this interim use period.

PART 4 – MODIFICATIONS: The Shelter may modify Showbarn interior on a temporary basis (*i.e.,* adding concrete) with the understanding that all modifications will be inside the Showbarn, thereby not adversely affecting any impervious cover already considered.

PART 5 – SIGNAGE: The temporary Shelter banners and signs will be governed by applicable City of Georgetown Ordinances.

PART 6 – NOTIFICATION TO THIRD-PARTIES: It is The Parties' understanding that the City of Georgetown Parks and Recreation Department, will advise the baseball group, and any others who may be affected by this temporary arrangement.

PART 7 – NOTIFICATION TO PUBLIC AT LARGE: The Williamson County Public Affairs Office will coordinate with the City of Georgetown to ensure public advisement/understanding about the temporary nature of the service.

PART 8 – TERMINATION: Any party may terminate this arrangement upon thirty (30) days written notice to the other party, but subject to payment of any reasonable financial obligations assumed under this MOU by any terminating party.

PART 9 – LEGAL COMPLIANCE: Shelter understands that it is the party responsible with compliance for any laws and regulations (to include potential City of Georgetown Temporary Certificate of Occupancy) relevant to animal shelter operations, including but not limited to obligations pertaining to structural and design requirements, employee requirements, or obtaining any necessary relevant waivers from the Texas Department of Health and Human Services for the temporary shelter facility contemplated herein.

PART 10 – GOOD FAITH: The Parties agree to negotiate and act in good faith in the performance of this arrangement.

IN WITNESS WHEREOF, SHELTER AND COUNTY have caused this Memorandum of Understanding to be duly executed this the _____ day of December, 2017.

FOR SHELTER:

BY: Cheryl A Kneider
DIRECTOR

FOR WILLIAMSON COUNTY:

BY: _____
COUNTY JUDGE

Commissioners Court - Regular Session **36.**

Meeting Date: 02/06/2018

FY18 CDBG Application

Submitted By: Sally Bardwell, HUD Grants

Department: HUD Grants

Agenda Category: Regular Agenda Items

Information

Agenda Item

Consider approving request to issue a call for projects that will utilized Community Development Block Grant funds for the FY18 funding cycle.

Background

This action is to allow participating cities, non-profits and other entities to apply for Williamson County Community Development Block Grant (CDBG) funds. CDBG funds will be made available to approved projects on or around October 1, 2018. Projects will be selected using the previously approved 2014-2018 priorities.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 03:02 PM
Form Started By: Sally Bardwell		Started On: 01/31/2018 12:54 PM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **37.**

Meeting Date: 02/06/2018

Tx Housing Set Hearing

Submitted For: Dan Gattis **Submitted By:** Hal Hawes, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take any appropriate action to set a public hearing on February 27, 2018 at 10:00 AM in the Williamson County Commissioners Courtroom pursuant to Texas Local Government Code Chapter 392 regarding a resolution to declare a need for a regional housing authority that would include Williamson County due to a shortage of safe or sanitary housing in the county available to low-income persons at rents that they can afford and admitting Williamson County, Texas as a member of the Texas Housing Foundation, a Texas Regional Housing Authority.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/31/2018 09:36 AM
Form Started By: Hal Hawes		Started On: 01/31/2018 08:48 AM
Final Approval Date: 01/31/2018		

Commissioners Court - Regular Session **38.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for EMS.

Background

Moving funds per 1/30/2018 agenda, item #37.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004999	Non Dept/ Misc.	$56,000.00
To	0100-0540-003301	EMS / Gasoline	$56,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:49 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 08:28 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **39.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for Public Assistance.

Background

Moving funding per 1/30/2018 agenda, item #37.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004999	Non Dept/Misc.	$234,302.00
To	0100-0640-004703	Public Asst/MHMR	$234,302.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:49 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 08:37 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **40.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for Public Assistance.

Background

Moving funding per 1/30/2018 agenda, item #37.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0340-005700	MOT/Vehicles	$28,634.00
To	0100-0640-004703	Public Asst/MHMR	$28,634.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:13 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 08:43 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **41.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for MOT.

Background

To fully fund PCN #1189, Sr. Office Admin, in the MOT budget. The position went to the HUG Budget but the person stayed in the general fund.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$18,045.78
To	0100-0340-001100	MOT/Salary	$14,841.51
To	0100-0340-002010	MOT/FICA	$1,135.37
To	0100-0340-002020	MOT/Retirement	$2,068.90

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:13 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 08:56 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **42.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for Public Assistance.

Background

Moving funding per 1/30/2018 agenda, item #37.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$4,064.00
To	0100-0640-004703	Public Asst/MHMR	$4,064.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:13 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 08:51 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **43.**

Meeting Date: 02/06/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss and consider approving a line item transfer for MOT.

Background

To put back monies that were originally removed in the reduction of MOT staff and the creation of HUG. These lines were insufficiently funded.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$3,302.00
To	0100-0340-003301	MOT/Gasoline	$1,375.00
To	0100-0340-004850	MOT/RCS Radio Fees	$1,015.00
To	0100-0340-004210	MOT/Internet	$912.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:13 AM
Form Started By: Sarah Crain		Started On: 02/01/2018 09:03 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **44.**

Meeting Date: 02/06/2018

Budget Meetings

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the annual budget calendar/meetings.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

FY 19 Budget Calendar

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	01/30/2018 04:30 PM
Form Started By: Ashlie Koenig		Started On: 01/30/2018 02:38 PM
Final Approval Date: 01/30/2018		

2018 – 2019 BUDGET
PLANNING CALENDAR

JANUARY	
12th	**FY '19 Capital Request Information Sent Out**
FEBRUARY	
1	**New Personnel/Re-class Request Information Sent Out**
1	**PowerPlan Training Offered Weekly / Dates & Sign Up Posted on SharePoint**
23	**FY '18 Capital Requests Due**
27	**Budget Kickoff Workshop – Goals, Objectives & Priorities (Comm. Court, HR, Auditor & Budget Office) 1:30-3:30**
MARCH	
2	**New Personnel/Re-class Requests/Decision Packages Due in PowerPlan**
5-23	**Pre-Budget Meetings between County Departments and Budget Office (optional)**
APRIL	
6	**2nd Budget Workshop (Comm. Court, E.O.s and DHs) 10:00-Noon**
24	**Presentation by Alvin Lankford/Chief Appraiser on Property Valuation**
MAY	
1	**PowerPlan Closed/Locked for Input/Requests**
8	**Pre-Recommendation Public Hearing/Departmental Presentations (Optional) 1:00 – 4:00**
15	**3rd Budget Workshop to Discuss Capital Needs 1:30 – 3:30**
JULY	
23	**PowerPlan Open for Viewing Recommendations**
AUGUST	
7	**FY 19 Budget Presentation to Court (During Commissioners Court)**
7	**Post-Recommendation Public Hearing/Departmental Presentations (Optional) 1:00 – 4:00**
16	**Budget Modification Voting Session 8:30 am – Noon**
21	**Budget Modification Voting Session 1:00 – 4:30**
28	**Adopt 2018 - 2019 Budget**

Commissioners Court - Regular Session **45.**

Meeting Date: 02/06/2018

Approval for MOT vehicle's

Submitted By: Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of three (3) 2018 Ford PI Utililty vehicles for the Williamson County MOT department, from Caldwell Country Ford, in the amount of $104,063.65 per BuyBoard Contract 521-16.

Background

See attached quote for vehicle specifications.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Vehicle 1

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	02/01/2018 08:37 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:49 AM
Form Started By: Jayme Jasso		Started On: 01/18/2018 08:47 AM
Final Approval Date: 02/01/2018		

CALDWELL COUNTRY FORD

DBA ROCKDALE COUNTRY FORD

BUYBOARD BID 521-16

End User: WILLIAMSON COUNTY
Contact: KEVIN TELLER
Phone/email: 512-943-3588/kevin.teller@wilco.org
Product Description: FORD PI UTILITY

Caldwell Rep: AARON WILEY
Phone/fax: 254-773-8824 / 254-773-8802
Date: Friday, January 12, 2018
email: aaron@caldwellcountry.com

A. Bid Series: 124 — **A. Base Price:** $ 26,863.00

B. Published Options [Itemize each below]

Code	Options	Bid Price	Code	Options	Bid Price
K8A	2018 PI UTILITY	$ (350.00)	86P	FRONT HEADLAMP HOUSING	$ 112.00
	3.7L FFV V6; 6-SPD AUTOMATIC	INCL	86T	REAR TAILIGHT HOUSING	$ 57.00
	A/C & HEAT; AM/FM/CD	INCL	60A	GRILL WIRING PACKAGE	$ 47.00
	CRUISE ; RUBBER FLOOR	INCL	51Y	DRIVER SIDE SPOT LIGHT	$ 204.00
	POWER WINDOWS AND LOCKS	INCL	43D	COURTESY LAMP DISABLED	$ 19.00
	CLOTH BUCKETS FRONT	INCL	55F	KEYLESS ENTRY 4 KEYS & FOBS	$ 323.00
	VINYL 2ND ROW SEAT	INCL	17A	AUX REAR A/C & HEAT	$ -
	REVERSE CAMERA	INCL	53M	SYNC	$ 280.00
	4 KEYS	INCL		**ON ORDER FOR STOCK**	
			34810	CAP FLEET UPFITTERS	$ 6,999.55
				SEE ATTACHED QUOTE	

Total of B. Published Options: $ 7,691.55

C. Unpublished Options [Itemize each below, not to exceed 25%] $= 0.0 %

Options	Bid Price	Options	Bid Price
MOT		WHITE	COLOR
		ESTIMATED 60-90 DAYS TO CAP FLEET	DELIVERY

Total of C. Unpublished Options: $ -

D. Pre-delivery Inspection: $ -

E. Texas State Inspection: $ -

F. Manufacturer Destination/Delivery:

G. Floor Plan Interest (for in-stock and/or equipped vehicles): $ -

H Lot Insurance (for in-stock and/or equipped vehicles): $ -

I. Contract Price Adjustment: $ -

J. Additional Delivery Charge: 0 miles — $ -

K. Subtotal: $ 34,554.55

L. Quantity Ordered 3 x K = $ 103,663.65

M. Trade in:

N. BUYBOARD FEE PER PURCHASE ORDER: $ 400.00

O. TOTAL PURCHASE PRICE WITH BUYBOARD FEE: $ 104,063.65

CAP FLEET UPFITTERS

Quote

Date	01/11/2018
Quote #	CAPQ34810

CAP Fleet Upfitters, LLC
4715 S General Bruce Drive
Temple, TX 76502
Phone: 254-773-1959

Name / Address
ROCKDALE COUNTRY FORD
479 W US HIGHWAY 79
ROCKDALE, TX 76567-5298

Ship to:
ROCKDALE COUNTRY FORD
479 W US HIGHWAY 79
ROCKDALE, TX 76567-5298

Salesperson:	Joe Hildebrand
Email :	joe@capfleetupfitters.com
VIN :	
End User:	Williamson County

Year :	2018
Make :	Ford
Model :	Pi Utility

Part #	Qty	Description	Unit Price	Total
LGY48DUOCC	1	48" WC DUO LEGACY WITH CENCOM, SA315P, SAK*,	$ 2,495.00	$ 2,495.00
GB8DEDE	1	LEGACY WC 48" RW/BW/RW/BW	$ 0.00	$ 0.00
CCSRN3	1	CENCOM SAPPHIRE SIREN SYSTEM	$ 0.00	$ 0.00
SA315P	1	SA315P SPEAKER, BLACK PLASTIC	$ 0.00	$ 0.00
SAK52	1	SA-315 MT KIT FORD EXPLORER D	$ 0.00	$ 0.00
STPKT83	1	LIGHTBAR STRAP KIT #83	$ 0.00	$ 0.00
C-VS-1308-INUT	1	2013-2016 Ford Interceptor Utility Police Vehicle Specific 21" Console	$ 293.62	$ 293.62
C-EB40-CCS-1P	1	1-PIECE EQUIPMENT MOUNTING BRACKET, 4" MOUNTING SPACE, FITS WHELEN	$ 0.00	$ 0.00
C-CUP2-I	1	Internal cup holders	$ 30.87	$ 30.87
C-AP-0325	1	3" accessory pocket, 2.5" deep	$ 33.81	$ 33.81
C-ARM-103	1	Armrest for top mount, console, large pad	$ 86.76	$ 86.76
SP-53O2USB	1	5 FUNCTION SWITCH PLATE WITH 3 OUTLETS AND 2	$ 36.00	$ 36.00
IONR	2	ION LIGHT RED NOTES: mount driver side under doors	$ 97.20	$ 194.40
IONB	2	ION LIGHT BLUE NOTES: mount passenger side under doors	$ 97.20	$ 194.40
ETHFSS-SP	1	Select-A-Pattern Headlight Flasher, Solid State w/ 18" wire leads (compatible w/ 2016+ Ford PI Utility)	$ 40.20	$ 40.20
ETFBSSN-P	1	Flashback Alternating Taillight Flasher, Solid State - 2.4	$ 44.40	$ 44.40
IONJ	2	ION LIGHT RED/BLUE NOTES: rear license plate	$ 97.20	$ 194.40
IONBKT1	1	ION LICENSE PLATE BKT HORIZ.	$ 18.85	$ 18.85
VTX609R	2	VERTEX SUPER-LED LIGHT RED NOTES: taillight inserts	$ 72.90	$ 145.80
IONJ	2	ION LIGHT RED/BLUE NOTES: headlight inserts	$ 97.20	$ 194.40
M4J	2	M4 LED FLASHER BLUE/RED NOTES: on sides of grille guard	$ 135.72	$ 271.44
M4FB	2	M4 SERIES FLANGE BLACK	$ 6.50	$ 13.00
IONSMJ	2	SURFACE MT ION LT RED/BLU NOTES: front of grille	$ 97.20	$ 194.40
GGF16EBL1	1	LEGEND GRILL GUARD 2016 FORD PI UTILITY	$ 485.00	$ 485.00
TREMCO	1	ANTI-THEFT	$ 112.80	$ 112.80
INSTALL	1	Installation		
LABOR	1	LABOR	$ 1,400.00	$ 1,400.00
CSLABOR	1	CUSTOMER SUPPLED PARTS LABOR	$ 0.00	$ 0.00

CAP FLEET UPFITTERS

Quote

Date	01/11/2018
Quote #	CAPQ34810

CAP Fleet Upfitters, LLC
4715 S General Bruce Drive
Temple, TX 76502
Phone: 254-773-1959

Name / Address
ROCKDALE COUNTRY FORD
479 W US HIGHWAY 79
ROCKDALE, TX 76567-5298

Ship to:
ROCKDALE COUNTRY FORD
479 W US HIGHWAY 79
ROCKDALE, TX 76567-5298

Salesperson:	Joe Hildebrand
Email :	joe@capfleetupfitters.com
VIN :	
End User:	Williamson County

Year :	2018
Make :	Ford
Model :	Pi Utility

Part #	Qty	Description	Unit Price	Total
SSUPPLY	1	SHOP SUPPLIES	$ 85.00	$ 85.00
CAPHARNESS	1	CAP FLEET WIRING HARNESS	$ 130.00	$ 130.00
SHIP	1	SHIPPING & HANDLING	$ 200.00	$ 200.00
DEALER	1	DEALER PREP	$ 75.00	$ 75.00
INSPECT	1	ALL CAP FLEET INSTALLATIONs COME WITH AGENCY LIFETIME WARRANTY	$ 30.00	$ 30.00
CSNOTE	1	** DISCLAIMER - LABOR PRICING IS ONLY GOOD FOR ALL PRODUCTS AND SERVICES INCLUDED IN THIS	$ 0.00	$ 0.00

Subtotal	$ 6,999.55
Tax	$ 0.00
Grand	$ 6,999.55

This quote is good for 30 days from date of quote.

I hereby authorize the install work therein set forth to be done by CAP Fleet Upfitters, together with the furnishing by CAP Fleet Upfitters of the necessary parts and other material for such install and agree that CAP Fleet Upfitters is not responsible for any delays caused by unavailability or delayed availability of parts or material for any reason; that CAP Fleet Upfitters neither assumes or authorizes any other person to assume for CAP Fleet Upfitters any liability in connection with such install; that CAP Fleet Upfitters shall not be responsible for loss or damage to the above vehicle, or articles left therein; in case of fire, theft, any Act of God, or other cause beyond CAP Fleet Upfitters control; that CAP Fleet Upfitters employees may operate the above vehicle on streets, highways, or elsewhere for the purpose of testing and/or inspecting such vehicle.

Commissioners Court - Regular Session **46.**

Meeting Date: 02/06/2018

Vehicles for Williamson County Juvenile Services

Submitted For: Randy Barker **Submitted By:** Erica Smith, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the purchase of four (4) 2018 Chevrolet Malibus for the Williamson County Juvenile Services Department from Caldwell Country Chevrolet pursuant to BuyBoard Contract # 521-16 for a total amount of $74,300.

Background

This expenditure will be charged to 01.0100.0576.005700 and was approved in the FY 2018 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Vehicle Quote

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	01/31/2018 10:49 AM
County Judge Exec Asst.	Wendy Coco	01/31/2018 11:25 AM
Form Started By: Erica Smith		Started On: 01/29/2018 11:43 AM
Final Approval Date: 01/31/2018		

114819

QUOTE# 00AA

CONTRACT PRICING WORKSHEET

End User: WILLIAMSON COUNTY JUV SVC	Contractor: CALDWELL COUNTRY
Contact Name: JUDY MILLS	CALDWELL COUNTRY
Email: JMILLS@WILCO.ORG	Prepared By: Averyt Knapp
Phone #: 512-943-3219	Email: aknapp@caldwellcountry.com
Fax #: 512-943-3209	Phone #: 800-299-7283 or 979-567-6116
Location City & State: GEORGETOWN	Fax #: 979-567-0853
Date Prepared: JANUARY 11, 2018	Address: P. O. Box 27, Caldwell, TX 77836
Contract Number: BUY BOARD #521-16	Tax ID # 14-1856872
Product Description: 2018 CHEVROLET MALIBU LS 1ZC69	

A Base Price & Options:	$18,475

B Published Options

Code	Description	Cost	Code	Description	Cost
	LS PACKAGE, 1.5L-TURBO 4-CYL, 6-SPD AUTOMATIC, ALUMINUM WHEELS, COMPASS DISPLAY, TEMPERATURE OUTSIDE DISPLAY, AIR CONDITION, AMFM STEREO MYLINK W/BLUETOOTH, 4G;TE CAPABILITY, TILT, CRUISE, CLOTH BUCKETS, CARPET FLOOR W/MATS, POWER WINDOWS, POWER LOCKS, POWER MIRRORS, KEYLESS ENTRY, REAR DEFOGGER, REAR VISION CAMERA	INCL			
	GM WARRANTY 5YR/100,000 MILES POWERTRAIN @ N/C	INCL		CALDWELL COUNTRY	
				PO BOX 27	
				CALDWELL,TEXAS 77836	

Subtotal B	INCL

C Unpublished Options

Code	Description	Cost	Code	Description	Cost

Subtotal C	
D Other Price Adjustments (Installation, Delivery, Etc…)	
Subtotal D	INCL
E Unit Cost Before Fee & Non-Equipment Charges(A+B+C+D)	$18,475
Quantity Ordered X	4
Subtotal E	$73,900
F Non-Equipment Charges (Trade-In, Warranty, Etc…)	
BUY BOARD	$400
G. Color of Vehicle: WHITE	
H. Total Purchase Price (E+F)	$74,300

Estimated Delivery Date:	60-75 DAYS APPX

Commissioners Court - Regular Session **47.**

Meeting Date: 02/06/2018

Advertisement Approval RFCSP 1801-210 Expo RV Park

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive Competitive Sealed Proposals for RV Park Williamson County Expo - Phase II Development under RFCSP # 1801-210.

Background

Williamson County seeks a qualified firm to construct the Recreational Vehicle (RV) Park (Phase II) at the Williamson County Expo Center located in Taylor, Texas. Phase II project scope includes, but is not limited to, development of a connector road, parking and related infrastructure for 51 RV sites with utility pedestals, utilities to support RV sites including water and electrical service (20 amp, 30 amp and 50 amp), site lighting, RV wastewater dump station, site work, any necessary demolition, walks and connector trails, and native plant landscaping.This project is funded in part with grant funds, $150K from court approved funds in P478 and the balance of the project funded in P315. Project instructions must be complied with and are included in the documents.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

RFCSP Packet

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	02/01/2018 08:35 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:49 AM
Form Started By: Thomas Skiles		Started On: 01/30/2018 09:04 AM
Final Approval Date: 02/01/2018		

Solicitation 1801-210

RV Park Williamson County Expo - Phase II Development

Bid Designation: Public

Williamson County, Texas

Bid 1801-210
RV Park Williamson County Expo - Phase II Development

Bid Number	1801-210
Bid Title	RV Park Williamson County Expo - Phase II Development
Expected Expenditure	**$1,600,000.00** (This price is expected - not guaranteed)
Bid Start Date	In Held
Bid End Date	Feb 28, 2018 3:00:00 PM CST
Question & Answer End Date	Feb 23, 2018 5:00:00 PM CST
Bid Contact	Blake Skiles Senior Purchasing Specialist 512-**943**-1478 blake.skiles@wilco.org
Contract Duration	**One Time Purchase**
Contract Renewal	Not Applicable
Prices Good for	**365 days**
Pre-Bid Conference	**Feb 21, 2018 1:30:00 PM CST** **Attendance is optional** **Location: Williamson County Expo Center** **5350 Bill Pickett Trail** **Taylor, TX 76574**
Bid Comments	**Williamson County seeks a qualified firm to construct the Recreational Vehicle (RV) park (Phase II) at the Williamson County Expo Center located in Taylor, Texas.** **Phase II project scope includes, but is not limited to development of a connector road, parking and related infrastructure for 51 RV sites with utility pedestals, utilities to support RV sites including water and electrical service (20 amp, 30 amp and 50 amp), site lighting, RV wastewater dump station, site work, any necessary demolition, walks and connector trails, and native plant landscaping.** **This project is funded in part with grant funds.** **Project instructions must be complied with and are included in the documents.**

Item Response Form

Item	**1801-210-01-01** - Total Proposal Price
Quantity	**1 each**
Unit Price	
Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1

Description
Total Proposal Price

Item **1801-210-01-02 -** Please Attach All Documents To This Line

Quantity **1 each**

Prices are not requested for this item.

Delivery Location **Williamson County, Texas**

No Location Specified

Qty 1

Description

Please Attach All Documents To This Line

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION NUMBER 1801-210
RV Park Williamson County Expo - Phase II Development

PROPOSALS MUST BE RECEIVED ON OR BEFORE:
Feb 28, 2018 3:00:00 PM CST

PROPOSALS WILL BE PUBLICLY OPENED:
Feb 28, 2018 3:00:00 PM CST

Notice is hereby given that Competitive Sealed Proposals for the above-mentioned construction services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive Proposals. Specifications for this RFCSP may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Proposal.

All electronic proposals must be submitted via: www.bidsync.com

Electronic Proposals are requested, however paper proposals will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Respondents are strongly encouraged to carefully read this entire RFCSP.

All interested Respondents are invited to submit a Proposal in accordance with the Instructions and General Requirements, Proposal Format, Proposal Specifications, and Definitions, Terms and Conditions stated in this RFCSP.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages where a partial submittal is received in paper and a partial submittal is received via BidSync will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Proposals received after the submittal deadline, and shall return such Proposals unopened to the Respondent.

General Information:

- 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 the Public Announcement and General Information listed above for this RFCSP, to:

  Williamson County Purchasing Department
  Attn: **PROPOSAL NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Respondents should list the Proposal Number, Proposal Name, Name and Address of Respondent, and the Date of the Proposal opening on the outside of the box or envelope and note "Competitive Sealed Proposal Enclosed."
  - Respondent should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Proposals being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Proposals will be opened publicly and the names of the offerors and any monetary Proposals made by the offerors, will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Respondent's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the RFCSP will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Respondent has obtained any outstanding addenda or additional information.

Williamson County – Request for Competitive Sealed Proposal (RFCSP)

SECTION 1 - DEFINITIONS

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 RFCSP and the Respondent's Proposal. Such Ensuing Agreement(s) shall contain the Proposal specifications, terms and conditions that are derived from the RFCSP.

Contract – means this RFCSP and the Proposal of the Successful Respondent shall become a Contract between the Successful Respondent and the County once the Successful Respondent 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, RFCSP 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 RFCSP package. A Proposal submitted in accordance with this RFCSP 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 RFCSP.

Request for Competitive Sealed Proposals (RFCSP) – 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.

SECTION 2 - RESPONSE FORMAT AND SUBMISSION

2.1 INTRODUCTION

Each Proposal submitted in response to this RFCSP should clearly reference the numbered sections of this RFCSP that require a response. Failure to arrange the Proposal as requested may result in the disqualification of the Proposal.

Though there is not a page limit for Proposals, to save natural resources including paper, and to allow the County staff to efficiently evaluate all submitted Proposals, the County requests that Proposals be orderly, concise, but comprehensive in providing the requested information. Conciseness and clarity of content are emphasized and encouraged. If mailed or delivered in person, please limit additional, non requested information.

Please provide your Proposal response using:

A. 8 ½" x 11" pages, inclusive of any cover letter or supporting materials.

B. The least amount of plastic/laminate or other non-recyclable binding materials.

C. Single-sided printing.

Vague and general Proposals will be considered non-responsive, and may, at the County's sole discretion, result in disqualification. Proposals must be legible and complete. Failure to provide the required information may result in the disqualification of the Proposal. All pages of the Proposal should be numbered and the Proposal should contain an organized, paginated table of contents corresponding to the sections and pages of the Proposal.

2.2 ORGANIZATION OF PROPOSAL CONTENTS AND TABLE OF CONTENTS

Each Proposal should be submitted with a table of contents that clearly identifies and denotes the location of all enclosures of the Proposal. The table of contents should follow the RFCSP's structure as much as is practical.

Each Proposal should be organized in the manner described below:

A. Transmittal Letter. Please see Section 2.3, Transmittal Letter, for more information.

B. Table of Contents.

C. Executive Summary. Please see Section 2.4, Executive Summary.

D. Proposal Response to Criteria. (Please see the sections in this RFCSP package that list the Specifications & Cost Proposal, Experience and Qualifications, References, and Implementation Strategy to respond to our criteria in a clear and concise manner)

E. Price Sheet.

F. References: Identification of three (3) references within the last four (4) years, for which the Respondent is providing, or has provided, the goods and/or services (public sector) of the type requested in this RFCSP. Include the name, position/title, and telephone number of a contact person at each entity.

G. Conflict of Interest Questionnaire.

H. Proposal Affidavit (Signature Page).

I. Attach your entities sample Contract, if applicable, for the County's review and consideration. This should include any additional terms or conditions. The County is not required to use the sample Contract submitted.

2.3 TRANSMITTAL LETTER

The Respondent should submit a Transmittal Letter that provides the following information:

A. Name and address of individual or business entity submitting the Proposal.

B. Respondent's type of business entity (i.e., Corporation, General Partnership, Limited Partnership, LLC, etc.). See Section 3.5, Signature of Respondent, for more information.

C. Place of incorporation or organization, if applicable.

D. Name and location of major offices and other facilities that relate to the Respondent performance under the terms of this RFCSP.

E. Name, physical address, email address, business and fax number of the Respondent's principal contact person regarding all contractual matters relating to this RFCSP.

F. The Respondent's Federal Employer Identification Number.

G. A commitment by the Respondent to provide the services required by the County;

H. A statement that the Proposal is valid for the time specified on page three (3), under the section named *Prices Good for*, of this Proposal packet. Any Proposal containing a term of less than t required amount, may at the County's sole discretion, be rejected as non-responsive.

I. 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. See Section 4.40, Air Quality for more information.

The Transmittal Letter should be signed by a person legally authorized to bind the Respondent to t representations in the Transmittal Letter and the Proposal. In the case of a joint Proposal, each party must sign the Transmittal Letter.

2.4 EXECUTIVE SUMMARY

The Respondent should provide an Executive Summary of its Proposal that asserts that the Respondent is providing in its response all of the requirements of this RFCSP. The Executive Summary should not include any information concerning the cost of the Proposal, but instead must represent a full and concise summary of the contents of the Proposal. It is recommended the Executive Summary include the following information:

A. 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 RFCSP, 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.

B. Indicate why the Respondent believes that it is the most qualified Respondent to provide the services described in this RFCSP. 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. References must contain the name of key personnel and telephone numbers for each contact, as described in Section 3.14, References.

C. Briefly state why the Respondent believes its proposed goods and/or services best meet the County's needs and RFCSP 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.

2.5 CONFLICT OF INTEREST

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/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en-US/Default.aspx

Each Respondent must disclose any existing or potential conflict of interest relative to the performance of the requirements of this RFCSP. **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 RFCSP**. 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 RFCSP, 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 County public servant or any employee, official or representative of same, in connection with this procurement.

Each Respondent must provide a Conflict of Interest Statement.

2.6 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Respondents are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Respondent unless the Respondent submits a disclosure of interested parties to the County at the time the Respondent submits the signed contract. The law applies only to a contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFCSP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff

seized fun monies, etc.); or

B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Respondent must sign the printed copy of the form.

D. Have the form notarized.

E. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Contract is submitted for approval.

After the Commissioners Court award of the contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the contract binds all parties to the contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.7 PROPOSAL SUBMITTAL DEADLINE

The Proposal is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this RFCSP package. Contents of each Proposal shall be submitted in accordance with this RFCSP.

2.8 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.

2.9 DELIVERY OF PROPOSALS

The County uses BidSync to distribute and receive bids and Proposals. It is preferred that Proposals be submitted electronically through BidSync; however, Respondents can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

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 the Public Announcement and General Information listed in this RFCSP package, to:

Williamson County Purchasing Department
Attn: **Proposal Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

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 "Competitive 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 and the names of the offerors and any monetary proposals made by the offerors, will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Respondents are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this RFCSP.

General requirements apply to all advertised RFCSPs; however, these may be superseded, in whole or in part, by the proposal specifications, Addenda and modifications issued as a part of this RFCSP. Be sure your Proposal package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS RFCSP

If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in this RFCSP, 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 RFCSP 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 RFCSP, 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).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Respondents in receipt of this RFCSP shall notify the Williamson County Purchasing Department any address changes, contact person changes, and/or telephone number changes no later than forty eight (48) hours prior to the date and time fixed for submission of Proposals.

3.4 SIGNATURE OF RESPONDENT

A Transmittal Letter, which shall be considered an integral part of the Proposal as stated in Section 2.3, Transmittal Letter, shall be signed by an individual who is authorized to bind the Respondent contractually.

A. If the Respondent is a Corporation or Limited Liability Company, the legal name of the Corporation or Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Respondent is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Respondent is a Limited Partnership, the name of the Limited Partner's General Partner shall be provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Respondent is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature 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 equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Respondent operates business under an Assumed Business Name, the Respondent must have file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same prior to contract award.

3.6 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 RFCSP. Such exhibits shall be clearly marked with the applicable reference number of the question in the RFCSP. Proposals must address the technical requirements as specified in the RFCSP. All questions posed by the RFCSP 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.

3.7. 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.

3.8 PROPOSAL OBLIGATION

The contents of the RFCSP, 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).

3.9 COMPLIANCE WITH RFCSP SPECIFICATIONS

It is intended that this RFCSP describe the requirements and the Proposal format in sufficient detail to secure comparable Proposal. Failure to comply with all provisions of the RFCSP may, at the sole discretion of the County, result in disqualification.

3.10 EVALUATION

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the RFCSP process) that might affect the County's judgment as to the appropriateness 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.

3.11 WITHDRAWAL OF PROPOSAL

The Respondent may withdraw its Proposal by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Respondent, 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.

3.12 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:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Respondent ability to meet these minimum standards listed above.

3.13 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.

3.14 SILENCE OF SPECIFICATIONS

The apparent silence of any RFCSP 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.

3.15 REFERENCES

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.

Also, 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.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFCSP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References should be provided in accordance with this RFCSP. Proposal may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 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 RFCSP, 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 RFCSP, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this RFCSP, 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.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the RFCSP 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:

   1. The RFCSP and its Addenda (if applicable); and

   2. The Respondent's Proposal.

B. 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 RFCSP 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:

   1. The terms and conditions of the Ensuing Agreement;

   2. The RFCSP and its Addenda; and

   3. The Respondent's Proposal.

4.3 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.

4.4 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 such line of business. Any or all Proposals may be rejected if the County believes that collusion exists among the Respondents.

4.5 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.

A. 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.

4.6 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the RFCSP, but are necessary to provide the functional capabilities described by the Respondent, shall be implied and deemed to be included in the Proposal.

4.7 TERMINATION

A. 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 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.

B. 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.

4.8 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.

4.9 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 RFCSP 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.

4.10 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 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.

4.11 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this RFCSP, 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).

4.12 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 RFCSP and the County will not reimburse the Respondents for such expenses.

4.13 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 (15^{th}) 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).

4.14 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).

4.15 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.

4.16 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.

4.17 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.

4.18 SEVERABILITY

If any provision of this RFCSP, 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 RFCSP, 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 RFCSP, 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 RFCSP, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.19 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.20 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
901 South Austin Avenue
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.

4.21 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.

4.22 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.

4.23 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.

4.24 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.

4.25 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 RFCSP, 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.

4.26 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 t Successful Respondent at the end of its then-current fiscal year.

4.27 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.

4.28 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.

4.29 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 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. The 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 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.

4.30 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 best terms and offer. The contents of the RFCSP 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 t Proposal specifications, terms and conditions of this RFCSP. Williamson County and its architect or engineer may discuss with the Successful Respondent options for a scope or time modification and any price change associated with the modification. In the event such discussions are conducted and Williamson County and the Successful Respondent cannot agree to scope or time modifications and any price change associated with such modifications, County may still opt to contract with the Successful Respondent based on selected Respondent's original Proposal to the RFCSP.

The Successful Respondent shall be required to execute a formal contract at Williamson County offices in Georgetown, Texas within ten (10) days after the award. Said contract shall be in the same form as the Agreement Between Owner and Contractor which begins on the following page. The only anticipated changes in the contract will be to include additional exhibits, to fill in blanks to identify the contractor, and terms relating to the compensation, or to revise the contract to accommodate corrections, changes in the scope of services, or changes pursuant to addenda issued. Respondents should raise any questions regarding the terms of the contract, or submit requested changes in said terms, in the form of written questions or submittals. Because the signed contract will be substantively and substantially derived from the attached contract, each Respondent is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the attached contract before submitting a Proposal. Again, the attached contract contains important legal provisions and is considered part and parcel of this RFCSP. Failure or refusal to sign aforesaid contract shall be grounds for Williamson County to revoke any award which has been issued, forfeit security, if applicable, and select another Respondent.

4.31 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.

4.32 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.

4.33 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:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. 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:

A. 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.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. 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

4.34 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The RFCSP 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 RFCSP and Respondent's Proposal.

4.35 LEGAL LIABILITY INFORMATION

The Successful Respondent shall disclose all legal liability information by listing any pending litigation 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. The County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Commissioners Court.

4.36 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.

4.37 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.

4.38 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 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.

4.39 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this RFCSP, 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 RFCSP 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.

4.40 PREVAILING WAGE RATES

To the extent this procurement is for the construction of a public work, including a building, highway, road, excavation, and repair work or other project development or improvement, paid for in whole or in part from public funds, without regard to whether the work is done under public supervision or direction, Texas Government Code, Chapter 2258, shall apply and the contractor shall pay not less than the wage scale of the various classes of labor as shown on the "Prevailing Wage Schedule" provided by the County. Pursuant to Texas Government Code, Section 2258.022(a)(2), the County has determined the general prevailing rate of the "Prevailing Wage Schedule" in the locality in which the public work is to be performed for each craft or type of worker needed to execute the contract and the prevailing rate for legal holiday and overtime work by using the prevailing wage rate as determined by the United States Department of Labor in accordance with the United States Code, Section 276a (Davis-Bacon Act).

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 County is not bound to pay—and will not consider—any claims for additional compensation made by any contractor because the contractor pays wages in excess of the applicable minimum rate contained in the Contract Documents. 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.

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 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 the County, competent evidence of compliance with the Texas Prevailing Wage Law shall be furnished by contractor. A copy of each worker wage rate notification shall be submitted to the County with the Application for Payment for the period during which the worker began on-site activities.

Should the contractor at any time become aware that a particular skill or trade not reflected on the County's "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 County and shall specify a wage rate for that skill or trade, which shall bind the contractor.

The contractor and any subcontractor shall pay to the County 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 thereto. 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 County.

Within thirty-one (31) days of receipt of information concerning a violation of the Texas Government Code Chapter 2258, the County shall make an initial determination as to whether good cause exists to believe a violation occurred. The County'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 County shall retain the full amounts claimed by the claimant or claimants as the difference between wages paid and wages due under the "Prevailing 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.

After the County makes its initial determination, the affected contractor or subcontractor and worker have fourteen (14) calendar days in which to resolve the issue of whether a violation occurred, including the amount that should be retained by the County 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 County in a written document signed by the worker. It the contractor or Subcontractor and affected worker do not agree before the fifteenth (15th) calendar day after the County determination, the contractor or subcontractor and affected worker must participate in binding arbitration in accordance with the Texas General Arbitration Act, Chapter 171, (Texas Civil Practice and Remedies Code). The parties to the arbitration have ten (10) calendar days after the expiration of the fifteen (15) calendar days referred to above, to agree on an arbitrator; if by the eleventh (11th) calendar 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.

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 above and the amount owed the worker. The County may use any amounts retained hereunder to pay the worker the amount as designated in the arbitration award. If the County 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 County.

Money retained pursuant to the provisions above 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 calendar day of violation per worker shall be retained by Williamson County to offset its administrative costs, pursuant to Texas Government Code, Section, 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 County 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 under the provision herein-above.

4.41 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.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Proposal evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Proposal of each Proposal should be submitted.

1.2 Price Proposal

The Respondent must utilize the price sheet form as provided which will be attached to this RFCSP. The Price Proposal should be included in each copy of the Proposal if submitted in paper form.

Note: Any reworked version of the Price Proposal that is intended to be a substitute and that is provided by a Respondent may be determined as non-responsive, and may, at the County's sole discretion, result in the Respondent's disqualification.

1.3 Proposal Evaluation and Selection

1.3.1 Evaluation/Selection Criteria

No later than the 45th day after the date on which the Proposals are opened, all Proposals received by the designated date and time will be evaluated based on the Respondent's Proposal and the published evaluation Criteria. 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 RFCSP.

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."

1.3.2 Evaluation Committee and Selection Process

Williamson County will conduct a comprehensive, fair and impartial evaluation of all proposals received in response to the RFCSP. 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. Respondents may be interviewed and re-scored based upon the same criteria or other criteria, to be determined by 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 RFCSP responses, or in addition, may have interviews with firms to determine its final recommendation. Williamson County then selects the proposal that offers the best value based on the published selection criteria and its ranking evaluation. Following the selection, the contract negotiation process begins. The County negotiates first with the highest ranked offeror. At this stage, the County and its architect or engineer may discuss modifications to the proposed score, time and price. Modifications are not required, and if they are discussed and not agreed to by the County and the offeror, a final contract may still be negotiated and agreed upon based on the original response to the RFCSP.

If the two parties are unable to reach a final agreement, the County must inform the offeror in writing that negotiations are ended. The County may then negotiate with the next ranked offeror. This continues in the order of the selection ranking until a contract is reached or all proposals are rejected. In this form of contract procurement, the County is not restricted to considering price alone in its selection, but may consider any other factor from among the established selection criteria to determine which offeror offers the County the best value. The Evaluation Committee will present its recommendation to the Williamson County Commissioners Court for approval and award of contract.

1.3.3 Mandatory Criteria

Minimum requirements (if applicable) must be passed in order to be considered for scoring as described in section 1.3.4.

1.3.4 Graded Evaluation Factors

The following graded evaluation factors will be used to determine how well a Respondent(s) meet(s) the desired performance.

1. **The price (40% of score – 40 points max)**
    a. Submit pricing per the attached price sheet.
2. **The Respondent's proposed personnel for the project (20% of score – 15 points max)**
    a. Respondent to provide list of proposed staff to be used on the project. Provide names of Company Owner, Project Manager, Superintendent, Etc. and/or equivalents.
3. **Respondent's experience and reputation (20% of score – 15 points max)**
    a. Respondent to provide a list of 3 similar (or larger) projects performed in Texas. Please include project name, owner contact name & contact information, brief project description with size/square footage and contracted dollar amount.
4. **Respondents office location as it relates to distance from the project site (20% of score – 15 points max)**
    a. Provide verifiable physical address of Respondent's closest permanent location to project and length of time at that location.

1.3.5 Interviews

Interview scoring (if applicable) will be provided along with invitation to interview candidates.

1.3.6 Additional Evaluation Information

The County reserves the right to award a contract for any or all areas of this RFCSP.

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.

1.4 Technical Contact

Randy Bell (or successor), Director of Parks, Williamson County shall serve as the County's Technical Contact with 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. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Respondent.

1.5 Time for Performance

A time frame of two hundred thirty (230) days (two hundred (200) to substantial completion/thirty (30) to final completion) is given for completion of plans on this bid. This may begin at the time specified by the County within the three hundred sixty-five (365) days of the pricing quoted on this bid, starting on the day of award. The Contractor will be given written notice to begin work on this project. The Work on this project shall begin within ten (10) calendar days after such notification.

Liquidated damages for failure to substantially complete the work within the allotted time will be applied. Liquidated damages are $500 per working day.

The Contractor will be given written notice to begin work on this project. Work on this project shall begin within five (5) working days after such notification. Failure to begin work within the allotted time will result in liquidated damages being incurred at the rate of $500 per working day

1.6 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 in twelve (12) month increments for up to an additional twenty-four (24) months, with the terms and conditions remaining the same. The total period of the contract, including all extensions will not exceed a maximum combined period of sixty (60) months. 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.

1.7 Insurance Requirements

By signing its Proposal, 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 commencing work.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
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.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

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	$1,000,000	$1,000,000
Aggregate policy limits:	$1,000,000	

Successful Respondent’s property will not be covered by any insurance that may be carried by Williamson County. Successful Respondent assumes the risk of loss on its contents and property that are situated on/in/around the County property. The Successful Respondent is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Respondent.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **The County shall be named as an additional insured under any policy of insurance required hereunder.**

Successful Respondent shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Respondent shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Respondent or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of 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. Successful Respondent shall furnish County with a certificate of coverage issued by the insurer. Successful Respondent shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Respondent, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation 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 which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Workers' Compensation Coverage Requirements

The Texas Labor Code, Section 406.096, requires workers' compensation insurance coverage for all persons providing services on a building or construction project for a governmental entity such as the County. The rule requires the County to timely obtain certificates of coverage and retain them for the duration of the project. The rule also sets out the language to be included in the Bid specifications and in contracts awarded by a governmental entity and the information required to be in the posted notice to employees. The rule is adopted under the Texas Labor Code, Section 402.061.

The information provided below is a result of this rule. By submitting your Bid to the County, you are acknowledging that this rule is a part of these Bid specifications, and that you will observe and abide by all of the requirements outlined in the rule. You are further agreeing that should your Bid be accepted by the Williamson County Commissioners Court, the necessary certificates of coverage showing workers' compensation coverage, will be provided to the following name and address prior to beginning work:

Williamson County Purchasing Department
901 S. Austin Ave.
Georgetown, TX 78626

Failure to comply with this request may result in termination of the Contract and any ensuing Agreement. If you have any questions related to this ruling and/or requirement, you are encouraged to contact either the Williamson County Purchasing Department at (512) 943-1546, or you may call the Texas Workers' Compensation Commission at (800) 372-7713.

A. The following words and terms, when used in this provision, shall have the following meanings. Terms not defined in this rule shall have the meaning defined in the Texas Labor Code, if so defined.

1. Certificate of coverage (certificate) – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a workers' compensation 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 (including those subject to a coverage agreement) providing services on a project, for the duration of the project.

2. Building or Construction – Has the meaning defined in the Texas Labor Code, Section 406.096(e)(1).

3. Contractor – A person bidding for or awarded a building or construction project by Williamson County.

4. Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, Section 401.011(44).

5. Coverage agreement – A written agreement on form TWCC-81, form TWCC-82, form TWCC-83, or form TWCC-84, filed with the Texas Workers' Compensation Commission which establishes a relationship between the parties for purposes of the Texas Workers' Compensation Act, pursuant to the Texas Labor Code, Chapter 406, Subchapters F and G, as one of employer/employee and establishes who will be responsible for providing workers' compensation coverage for persons providing services on the project.

6. Duration of the project--Includes the time from the beginning of work on the project until the work on the project has been completed and accepted by the County.

7. Persons providing services on the project ("subcontractor" in the Texas Labor Code, Section 406.096) – 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.

8. Project – Includes the provision of all services related to a building or construction contract for the County.

B. 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 the Texas Labor Code, Section 401.011(44), for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of workers compensation coverage to Williamson County prior to being awarded the Contract.

D. 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 Williamson County showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the County:

1. A certificate of coverage, prior to that person beginning work on the project, so Williamson County will have on file certificates of coverage showing coverage for all persons providing services on the project; and

2. 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.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the County in writing by certified mail or personal delivery, within ten (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.

H. 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.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

1. 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;

2. 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;

3. 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;

4. Obtain from each other person with whom it contracts, and provide to the contractor:

    i. (a) a certificate of coverage, prior to the other person beginning work on the project; and
    ii. (b) 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;

5. Retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

6. Notify the County in writing by certified mail or personal delivery, within ten (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

7. Contractually require each person with whom it contracts, to perform as required by paragraphs 1 – 7, with the certificates of coverage to be provided to the person for whom they are providing services

J. By signing this Contract or providing or causing to be provided a certificate of coverage, the contractor is representing to Williamson County 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.

K. The contractor's failure to comply with any of these provisions is a breach of Contract by the contractor which entitles the County to declare the contract void if the contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the County.

Expo Center RV Park

Williamson County

Civil Specifications



12-04-2017

HALFF
9500 Amberglen Blvd., Bldg. F, Ste. 125
Austin, Texas 78729
P: (512) 777-4600

Texas Department of Transportation Standard Specifications

2014 Standard Specifications can be found at: https://www.txdot.gov/business/resources/txdot-specifications.html and are incorporated by reference.

Item 104 – Removing Concrete
Item 110 – Excavation
Item 132 – Embankment
Item 150 – Blading
Item 152 – Road Grader Work
Item 154 – Scraper Work
Item 156 – Bulldozer Work
Item 158 – Specialized Excavation Work
Item 204 – Sprinkling
Item 210 – Rolling
Item 216 – Proof Rolling
Item 310 – Prime Coat
Item 320 – Equipment for Asphalt Concrete Pavement
Item 360 – Concrete Pavement
Item 400 – Excavation and backfill for Structures
Item 402 – Trench Excavation Protection
Item 420 – Concrete Structures
Item 421 – Hydraulic Cement Concrete
Item 432 – Riprap
Item 438 – Cleaning and Sealing Joints and Cracks (rigid Pavement and Bridge Decks)
Item 440 – Reinforcing Steel
Item 450 – Railing
Item 462 – Concrete Box Culverts and Storm Drains
Item 464 – Reinforced Concrete Pipe
Item 465 – Manholes and Inlets
Item 466 – Headwalls and Wingwalls
Item 467 – Safety End Treatments
Item 471 – Frames, Grates, Rings and Covers
Item 473 – Laying Culvert and Storm Drain Pipe
Item 474 – Slotted Drain
Item 500 – Mobilization
Item 502 – Barricades, Signs, and Traffic Handling
Item 506 – Temporary Erosion, Sedimentation, and Environmental Controls
Item 529 – Concrete Curb, Gutter, and Combined Curb and Gutter
Item 530 – Intersections, Driveways, and Turnouts

Item 531 – Sidewalks
Item 666 – Retroreflectorized Pavement Markings
Item 752 – Tree and Brush Removal

City of Taylor Standard Specifications
Item 101 – Street Signs
Item 201 – Water System Improvements
Item 301 – Wastewater System Improvements

Williamson County Standard Specifications
Item 247 – Flexible Base
Item 260 – Lime Treatment (Road Mixed)
Item 300 – Asphalts, Oils, and Emulsions
Item 302 – Aggregates for Surface Treatments
Item 310 – Prime Coat
Item 316 – Surface Treatments
Item 340 – Dense-Graded Hot-Mix Asphalt (Small Quantity)
SP 1 – Decomposed Granite Walkways
SP 2 – Back Flow Prevention Device
SP 3 – Yard Hydrant
SP 4 – Dump Station Lid

CITY OF TAYLOR STANDARD SPECIFICATIONS

Special Note: Specifications listed below are based on City of Taylor Standard Specifications. Any reference to the 'City' shall be replaced with the 'County'. All testing shown in the specifications below shall be performed by the contractor at his entire expense unless otherwise indicated by the County.

Item 101 - STREET SIGNS

LOCATION

Street signs shall be six (6") inches extruded, have white lettering on a green background, be engineer grade reflectorized, and include the block numbers along with the street name. Street signs shall be furnished and installed by the subdivider for all intersections within or abutting the subdivision. All signs shall be located in accordance with the Texas Manual on Uniform Traffic Control Devices.

SIGNS

All signs and mounts shall conform to the standards as set forth in the Texas Manual on Uniform Traffic Control Devices. All road identification signs are to have a green background with three (3) inch white reflective lettering.

INSTALLATION

The sign pole shall be buried to a minimum depth of two (2') feet and placed in a twelve (12") inch diameter concrete filled posthole. The pole shall be tall enough to accommodate all applicable signs. The bottom of the stop sign shall be located seven (7') feet above the finished grade of the surrounding ground.

APPROVAL

The developer shall submit a list of signs to be placed and a graphical representation of the signs for review by City Engineer prior to installation.

Item 201 - WATER SYSTEM IMPROVEMENTS

GENERAL

This section pertains to general design requirements for water distribution system construction in the City of Taylor.

All water lines shall be sized and designed in accordance with the City of Taylor determined by the City Engineer. In the absence of specific standards, all water supply, distribution, pumping, and storage improvements shall be designed in accordance with the most current standards of the American Water Works Association criteria adopted by the Texas Administrative Code, Chapter 290.

LINE SIZES & LOCATIONS

1. Standard water line sizes are, 8 inch, 10 inch, 12 inch, 16 inch, 20 inch, and 24 inch diameter. Other sizes may be approved by the City Engineer.

2. All water lines shall be looped where possible. Dead end lines shall not exceed 600 feet, unless approved by

the City Engineer.

3. Water lines shall be located within the right of way, not under paving. Along State Highways, water lines are required on both sides of the roadway. New water lines crossing existing streets shall be placed by boring. A steel casing shall be required under major and minor collector roadways, arterial roadways and State Highway. Open cut excavation will not be allowed to cross existing streets, unless approved by the City Engineer.

4. Automatic flushing valves are required for all dead-end mains of 50’ or longer.

5. Easements for water line construction shall meet the following requirements:

a. The easement width shall be a minimum of 20 feet.

b. In areas where multiple utilities or extended depth or larger utilities exist the easement may need to be wider as specified by the City.

c. Larger easements may be required by the City Engineer to provide adequate space for maintenance.

6. All piping with mechanical couplings, push-on, or similar joints subject to internal pressure shall be designed with blocking, anchors, and restraining harnesses to preclude separation of joints.

7. Water lines exclusively for fire protection shall be dedicated to the public, unless the system is isolated from the public system by a detector check. All water lines shall be a minimum of eight (8") inches in diameter and looped when possible. Water lines shall not be located under paved surfaces where possible.

8. Water service for multiple units on a single lot shall be served via one Master Meter. The developer is responsible for providing and metering service to individual units.

MATERIALS

All water lines and fittings shall be new materials and comply with the following:

1. Water Lines – All water lines shall be Polyvinyl Chloride (PVC) material and be designed, manufactured, and tested in accordance with the applicable requirements of AWWA C-900 (eight (8") inch through twelve (12") inch water pipe) AWWA C-905 (sixteen (16") inches and larger water pipe), and AWWA M-23. Pipe larger than 16” shall be Ductile Iron.

2. Other Pipe Material – All other materials must be submitted for approval by the City Engineer.

a. All PVC water pipe shall be blue in color.

b. Eight (8") inch through twelve (12") inch water pipe shall be pressure class 150, DR 18. Pressure class

200, DR 14 pipe may be required by the City Engineer in areas of high distribution system pressure, under roadways or other unusual circumstances.

3. Fittings - Fittings shall be ductile iron in accordance with AWWA C110 or AWWA C153.

a. Fittings: ANSI/AWWA C111/A21.11, except gaskets shall be neoprene or other synthetic rubber and factory installed.

b. All waterline pipe and fittings shall be new materials and produced in the USA

INSTALLATION

All installations shall conform to the latest TCEQ, and AWWA Specifications, as amended by these standards.

1. All pipe shall be installed with a minimum of forty-eight (48") inches of cover over top of pipe.

2. The amount of open trench shall not exceed two hundred (200') feet from the end of the pipe laying operations, and no more than three hundred (300') feet of total open trench will be allowed. At the end of each work day, all trench excavation shall be backfilled and compacted to the end of the pipe laying operation.

3. All connections to existing water mains shall be made under pressure unless dry connections will not cause any loss of service. Under special conditions connections that cause an interruption of service may be performed with approval of the City Engineer.

4. Coated tracer wire and tape shall be installed in the embedment material twelve (12”) inches above the pipe with the tracer wire terminating in in-line gate valve boxes accessible by City Staff.

5. Density tests shall be taken at a minimum of every three hundred (300') feet for every lift or determined by inspection. A maximum thickness of lift is required for all trench backfill. A geotechnical report should be submitted for all trenches. The density reports shall be submitted to the City Inspector. The City has the right to require additional tests if they are deemed necessary.

6. All density reports and bacteria test reports shall be completed, delivered to the City Engineer and Inspector, and approved before paving is allowed to begin. Bacteria test samples shall be taken by the City.

7. PVC water pipe and appurtenances shall be installed as specified in AWWA M-23 and in accordance with the pipe manufacturer's recommendations.

8. Fittings shall be installed in accordance with AWWA C-600.

a. All mechanical joint bends, tees, and reducers which require blocking shall be additionally restrained with EBAA Megalug retainer gland or approved equal.

b. All fittings must be polyethylene wrapped.

FIRE HYDRANTS

1. Fire hydrants in commercial and industrial areas shall generally be at street intersections and so located that there will be a fire hydrant every three hundred (300') feet. Fire hydrants in a residential area shall be generally located on street intersections and not over five hundred (500') feet apart. City Fire Chief shall approve final fire hydrant locations.

2. Materials

a. Fire hydrants shall be manufactured in accordance with AWWA C-502, Dry-Barrel Fire Hydrants.

b. Hydrants shall be manufactured such that all maintenance and adjustments can be performed without excavation and such that hydrants may be faced in any direction in relation to base. The hydrant shall be of a

design that will permit extensions without disturbing the bottom section of the hydrant.

c. A gate valve shall be installed with each fire hydrant.

3. Manufacturers

Approved fire hydrants manufacturers are as follows:

a. Clow – Medalion

b. Mueller - Centurion

c. Kennedy – K81D

d. American Darling – B84B

4. Locations

a. Fire hydrants are to be located a minimum of three (3’) feet and a maximum of six (6’) feet behind the back of curb.

VALVES

1. Resilient seated gate valves shall be used for six (6") inch and up to twenty-four (24”) inch water lines.

Butterfly valves may be allowed as an addition to gate valves for lines sixteen (16") inches and larger when approved by the City Engineer.

2. Valves of approved design shall be installed at the intersections of all water mains so as to provide for proper maintenance and operation of the system and to provide a means of shutting off the supply to portions of the system for repairs. Three (3) valves shall be used on a four-way water line intersection and a minimum of two (2) valves shall be used on a three-way intersection.

3. Materials

a. Resilient Seated Gate Valves

1) Resilient seated gate valves six (6") inches through sixteen (16") inches shall meet or exceed the latest revisions of AWWA C509 and shall meet or exceed the requirements of these standards.

2) Resilient seated gate valves for buried service shall be furnished with a square two (2") inch operating nut. The valve box shall be Tyler Pipe 6850 series or approved equal. The valve box lid shall be painted safety blue. The paint shall be approved via submittal to the City.

3) All valves must open left and close right.

b. Butterfly Valves

Butterfly valves shall meet or exceed the latest revision of AWWA Standard C504 for Class 150B butterfly valves and shall meet or exceed the requirements of this specification. All valve components shall conform to Underwriters Laboratories classification in accordance with ANSI/NSF Standard 61.

4. Installation

a. Valves shall be furnished with extensions, such that the working nut is a maximum of thirty-six (36") inches below grade.

b. Adjustable valve boxes shall be furnished and set on each valve in accordance with these standards.

Valves that are deeper than forty-eight (48") inches, AWWA C900 PVC pipe shall be used for stacks, as long as the adjustable valve box is used at the top.

c. After the final clean-up and alignment has been complete, the contractor shall cast in place a concrete block, around all valve box tops at the finish grade. See detail W-3.

d. Valves located within a right-of-way shall be indicated on the face of the curb, or where curbs do not exist, on a conspicuous location adjacent to the valve location. Markings are to be the stamping of a four (4") inch high letter "V" with a three-eighths (3/8”) inch stroke with the point of the "V" pointing towards the valve location.

e. Valve markers shall be provided in rural areas.

5. Manufacturers

a. Approved manufacturers of six (6") inch through twelve (12") inch resilient seated gate valves are as follows:

1) Mueller, Clow, American Darling and Kennedy

b. Approved manufacturers of sixteen (16") inch and larger butterfly valves are as follows:

1) Mueller, Clow, American Darling and Kennedy

AIR RELEASE AND FLUSHING VALVES

1. Adequate air relief, and flushing valves shall be provided for flushing, disinfecting, daily operation requirements, and repairs when required by the City Engineer. Air release valves shall be required on twelve (12") inches and larger water lines. Water lines shall be designed so that each section of the water line can be flushed at its lowest and highest points.

2. All dead end lines shall have a fire hydrant installed for flushing purposes. If installation of a fire hydrant is not possible, a flushing valve is required.

3. A fire hydrant shall be required at high points on water lines smaller than twelve (12") inches for air relief and flushing.

4. Materials - Air release valves and air/vacuum valves shall meet or exceed the latest revision of AWWA C512.

5. Automatic Flushing Valves shall be installed on all dead-end mains of 2” or larger that extend 150 linear feet or longer. Approved Manufacturer: Hydro Guard Standard Unit

TAPPING SLEEVE

A tapping sleeve and valve shall be used when connecting a new water line to an existing line. A resilient seated gate valve shall be flanged to the tapping sleeve. The tapping sleeve shall be a Smith-Blair Spec. 664-665 stainless steel tapping sleeve, or approved equal.

WATER SERVICE

1. The water meter box shall be placed a minimum of two (2') feet behind the back of curb unless sidewalks are adjacent to the curb, then they are to be set seven (7') feet behind the back of curb, and the water service shall be a minimum of twelve (12") inches deep, covered with a meter box in place at grade. If no curb is present, the water service shall be located at the property line, a minimum of twelve (12") inches deep, covered with a meter box in place at grade. Along roadways without a curb the water service line shall be constructed at a minimum of twelve (12") inches below the ditch flow line.

2. Meter and service sizes will be determined by the developer prior to requesting service from the City. The minimum water service size between the water main and the meter shall be one (1") inch.

3. Water services on undeveloped lots shall be located at the property line and shall be a minimum of one (1") inch in diameter.

4. Materials

a. Service Saddle

Service saddle shall be double strap bronze with brass body or nylon / epoxy coated stainless steel double bolt wide straps. Minimum size tap shall be 1 inch diameter.

Approved manufacturers:

1) Smith Blair - Tapping Saddles up to 2" shall be epoxy coated with stainless steel straps

2) Tapping Sleeve 4" and larger shall be epoxy coated steel or ductile iron

b. Service Line

Service lines shall be 1" (single services) to 1.5" (double services) polyethylene SDR9.

c. Corporation.

1) Corporation stop shall be ball type with a diameter equal to the pipe size with compression outlet fitting, designed for a minimum working pressure of two hundred pounds per square inch (200 psi) and threaded counter clockwise.

2) Approved manufacturers are Ford or Mueller.

d. Angle Stop

1) Angle stop shall be set with compression inlet fitting and locking wings.

2) Approved manufacturers are Ford, Mueller or Smith Blair.

e. Meter Boxes

1) Single Meter boxes are to be DFW 1200 Series with AMR lid

2) Double Meter boxes are to be DFW 1500 Series with AMR lid

3) Traffic Rated Meter boxes shall be DFC “C” Series

5. Installation

a. General

1) All water service shall be installed in accordance with these standards.

2) Each individual service location shall be saw cut into the face of the curb with a four (4") inch high "W" painted blue by the Contractor. If no curb exist a similar mark should be placed in the pavement near the edge of the roadway.

FLUSHING VALVES

1. Materials

a. Corporation stop shall be two (2") inch ball type with compression outlet fitting, designed for a minimum working pressure of two hundred pounds per square inch (200").

b. Two (2") inch curb stop shall be ball type with compression inlet fitting with tee head shut off.

c. Pipe shall be two (2") inches diameter, polyethylene.

d. All flushing valves shall be installed within a twenty-four (24”) inch round metal meter box.

WATER LINE BORE

1. Minimum steel casing thickness shall be a quarter (1/4") inch. Casings shall be required under collectors and thoroughfares, highway crossings, and railroad crossings. Casings shall also be required where deemed necessary by the City Engineer. The construction bore pit shall be located at a minimum distance of four (4') feet behind the back of curb or edge of pavement where no curb is present.

2. The design engineer shall design the water line pipe casing for the following loading conditions and applicable combinations thereof:

a. AASHTO HS20 loading as applicable

b. Earth loading with the height of fill above the casing as shown on the plans

c. Loads applied during jacking, including axial load from jacking

d. All other applicable loading conditions, including loads applied during transportation and handling.

3. Materials

a. Steel Casing Pipe

Steel casing pipe shall be new (or used if approved by the City Engineer) and suitable for the purpose intended

and shall have a minimum yield strength of 35,000 psi. Casing shall meet ASTM A-36, ASTM

A-570, ASTM A-135, ASTM A-139, or approved equal. Pipe shall be coated with coal tar epoxy (15 mils min.) in accordance with AWWA C-210. Pipe joints shall be welded in accordance with AWWA C-206.

After pipe is welded, coating shall be repaired.

b. Casing Spacers

Use stainless steel casing spacers for any type of carrier pipe. Insulators shall be high density polyethylene. Insulators shall fit snug over the carrier pipe and position the carrier pipe approximately in the center of the casing pipe to provide adequate clearance between the carrier pipe bell and the casing pipe. Insulators shall be manufactured by "Recon" and be Racci Type or approved equal.

4. Installation

a. Excavation and Backfill of Access Pits

1) Do not allow excavation over the limits of the bore or tunnel as specified. Shore the trench walls as necessary to protect workmen, the public, structures, roadways, and other improvements.

2) Excavations within the right-of-way and not under surfacing shall be backfilled and consolidated by mechanical methods as specified in these standards for compaction of trenches under roadways.

Surplus material shall be removed from the right-of-way and the excavation finished to original grades. Backfill pits immediately after the installation of the carrier pipe is completed. If carrier pipe is not installed immediately after casing pipe installation, the City may require the access pits be temporarily backfilled until installation of carrier pipe.

3) Where seeding or sodding is disturbed by excavation or backfilling operations, such areas shall be restored to the existing or better conditions.

Item 301 - WASTEWATER SYSTEM IMPROVEMENTS

GENERAL

This section pertains to general design requirements for waste water collection system construction in the City of Taylor. All sewer lines shall be sized and as determined by the City Engineer. In the absence of or in conflict with a specific standard contained in this Chapter, all collection, treatment, and disposal systems shall be designed in accordance with the most current criteria adopted by the Texas Administrative Code, Chapter 217, “Design Criteria for Domestic Wastewater Systems".

WASTEWATER MAIN SIZES AND DESIGN

1. Standard wastewater main sizes are eight (8") inches, ten (10’) inches, twelve (12") inches, fifteen (15") inches, and eighteen (18") inches in diameter. Other sizes may be approved by the City Engineer.

2. Wastewater lines shall be constructed at a minimum depth of four (4') feet and be located within the R.O.W. or an approved utility easement. A wastewater line is required to be constructed on both sides of a State Highway.

3. Easements for wastewater line construction shall meet the following requirements:

a. The easement width shall be a minimum of twenty (20’). Greater easement width may be required for deep lines.

b. If the wastewater line is less than twelve (12') feet deep, the outside diameter of the wastewater line shall be located a minimum distance of six (6') feet from the edge of the easement, and if other utilities are located in the same easement, the outside diameter of the wastewater line shall be located a minimum distance of three (3') feet from the outside diameter of the other utilities.

c. If the wastewater line is greater than twelve (12') feet deep, the outside diameter of the wastewater line shall be located a minimum distance of nine (9') feet from the edge of the easement, and if other utilities are located in the same easement, the outside diameter of the wastewater line shall be located a minimum distance of six (6') feet from the outside diameter of the other utilities.

d. Proper separation of utilities must be maintained per TCEQ regulations.

4. All wastewater mains shall be designed with consideration for serving the full drainage area subject to collection by the wastewater in question; the drainage area may be modified with the concurrence of the City Engineer because of the projected rate of development or the financial feasibility of the proposed extension.

5. Wastewater mains should be designed with straight alignment whenever possible. When horizontal curvatures must be used, radial pipe must be used in accordance with the pipe manufacturer's recommendations. No joint deflection is allowed without the approval of the City Engineer and an appropriate TCEQ variance.

6. All wastewater mains shall be designed with hydraulic slopes sufficient to give mean velocities, when flowing full or half full, of no less than two (2') feet per second.

WASTEWATER LINE MATERIALS

All wastewater lines and fittings shall be new materials and comply with the following:

1. All wastewater pipes shall be Polyvinyl Chloride (PVC) pipe type SDR-26 for wastewater lines where wastewater lines exceed. For depths greater than twenty-four (24') feet material must approved by City Engineer.

2. All PVC wastewater pipe shall be green in color. Developer to provide a manufacturers statement for pipe color other than green.

3. PVC sewer pipe and fittings shall conform to the current ASTM Designation D 3034 for up to eighteen 18” inches and ASTM Designation F 679 for greater than fifteen (15") inches.

WASTEWATER LINE INSTALLATION

1. General

a. All installations shall conform to ASTM Designation D2321, and the as amended by these standards.

b. Wastewater lines shall not be installed within nine (9') feet horizontally of any water main or fire hydrant.

Where this is not possible, separation shall be in accordance with TCEQ standards.

c. Construction shall begin at the downstream end of project and continue upstream with the bell facing upstream. No upstream piping shall be installed before downstream piping unless approved by the City Engineer.

2. Excavation and Backfill

a. The amount of open trench excavation shall not exceed two hundred (200') feet from the end of the pipe laying operations, and no more than three hundred (300') feet of total open trench will be allowed. At the end of each workday, all trench excavation shall be backfilled to the end of the pipe laying operation

b. Density tests shall be taken every three hundred (300') feet for every lift. A maximum thickness of twelve (12") inches per loose lift is required for all trench backfill. A geotechnical report shall be submitted for all trenches. The density reports shall be submitted daily to the City Inspector. The City has the right to require additional tests if they are deemed necessary.

c. A City inspector will be on site at all times when testing is being performed. The City Inspector shall be present during the placement of trench backfill lifts.

d. All density reports shall be completed, delivered to the City's Engineer and Inspector, and approved before paving is allowed to begin.

MANHOLES

1. Manholes shall be located at all intersections of wastewater lines and at intermediate spacing along the line.

Generally the maximum spacing should not exceed five hundred (500') feet. Manholes should be located at all changes in grade and at the ends of all wastewater lines that will be extended.

2. A manhole is required at the junction of wastewater lines with different inside pipe diameters.

3. A drop of at least one tenth of a foot (0.1') is required through the manhole.

4. A drop manhole is required when the flow line in is two (2') feet or greater than the flow line out.

5. Minimum manhole inside diameter is four (4') feet.

6. Drop-connection manholes shall have a minimum inside diameter of four (4') feet, with an exterior drop.

7. Minimum pre-cast wall thickness is five (5") inches.

8. All manholes shall be concrete.

9. NOTE: If depth of cover is greater than 18 feet, Manhole size is subject to city Engineer approval.

a. Cast-in-place – only when approved

1) The manhole foundation shall be poured on undisturbed soil or approved subgrade and shall have a minimum thickness of eight (8") inches.

2) The inlet and outlet pipes shall be poured into the foundation of the manhole. When straight through flow occurs, the pipe shall be laid continuously through the manhole.

3) The invert shall be shaped and smoothed so that no projections will exist and the invert shall be self cleaning.

4) When a cast-in-place manhole is used to connect to an existing wastewater line the manhole should be poured, tested and approved before the top of the existing line is cut out.

5) Concrete work shall conform to all requirements of ACI 301, Standard Specification for Structural Concrete, published by the American Concrete Institute, except as modified herein.

6) Detailing of concrete reinforcement and accessories shall be in accordance with ACI Publication 315.

7) Portland cement shall be Type II, low-alkali and conform to ASTM Designation C-150.

8) The manhole shall not be backfilled within twelve (12) hours after the concrete placement. Backfill shall be compacted and reports submitted to the City.

9) The face of curb shall be stamped with a three (3”) inch "MH" to mark the location of all manholes.

The location of the stamp shall be a line that intersects the center of the manhole cover and the curb perpendicular to the centerline of the street. For manholes located in intersections, the curb shall be stamped at the closest location to the manhole. If no curb exist a similar mark should be placed in the pavement near the edge of the roadway.

c. Precast Manhole

1) Precast manholes shall be constructed in accordance to ASTM Designation C-478.

2) Manhole base shall have a spread footing and be placed on a minimum of twelve (12) inches of crushed rock.

MANHOLE FRAME AND COVER

1. Cover

a. Materials

All manhole covers shall conform to the Standard Specifications for Domestic Grey Iron Castings, ASTM A-48, Class 30 B.

b. Installation

1) All manhole covers shall be thirty (32”) inches in diameter.

2) All manhole covers shall have two (2) integrally cast pick bars.

c. Manufacturers (Traffic rated where necessary)

1) East Jordan Iron Works

2) Bass & Hayes

2. Frames

a. Materials

All manhole frames shall conform to the Standard Specifications for Grey Iron Castings, ASTM A-48,

Class 30 B.

b. Installation

All manhole frames shall provide a thirty (30") inch by one quarter (1/4") inch opening to assure proper fit of the manhole cover.

c. Manufacturers

1) East Jordan Iron Works

2) Bass & Hayes

d. Manholes located within the floodplain are to be sealed with an approved bolt-down cover and frame.

3. Extension Ring

a. Materials

All precast reinforced concrete extension rings shall conform to ASTM C-478.

b. Installation

1) The number of extension ring sections shall be kept to a minimum (i.e. use 1-12 inch extension ring instead of 2-6 inch extension rings).

2) A one (1") inch by three and a half (3 1/2") inch bitumastic gasket shall be used to seal the extension ring at both joints.

6. Manhole Inserts - Rain Pan Shall be required on all Manholes.

a. Materials

Rain pans shall be High Strength Stainless Steel to fit each manhole

b. Manufacturers

Southwestern Packing and Seals.

WASTEWATER SERVICE

1. No wastewater service line (lateral) shall be less than six (6") inches in nominal diameter.

2. Wastewater laterals shall be a minimum of ten (10') feet downstream of the water service. Services will be identified in the field by a three (3”) inch “S” cut into the curb, on the As-Built Plans and with a stake in the

field for location purposes.

3. Wastewater service laterals shall have a minimum of four (4') feet of cover at the property line.

4. Materials

a. All lateral wastewater service lines shall be gasketed PVC pipe type SDR-26.

b. All PVC wastewater pipe used for lateral services shall meet ASTM 3034.

6. Installation

All service laterals shall be installed in accordance with the wastewater embedment and backfill standards of the City of Taylor.

MAIN LINE CLEANOUTS

Cleanouts may be installed on lines that are permanent dead ends. The line may not exceed four hundred fifty (450') feet. Any line exceeding that length must end with a manhole.

WASTEWATER LINE BORING

SEE WATER LINE

1. Installation

a. Tolerances

1) All bores shall be installed at a grade no less that the minimum indicated by TAC30, Chapter 317 for the desired pipe size.

2) All bores shall maintain grade enough to ensure desired clearance distances between existing utilities and bore.

b. Excavation and Backfill of Access Pits

SEE WATER SECTION

Williamson County- GENERAL NOTES AND TECHNICAL SPECIFICATIONS

Definition of Terms

Asphalt Season: April 1 through September 30.

County: Williamson County acting through the Road and Bridge Division.

Contractor: Successful bidder of the IFB.

Engineer: Williamson County Director of Road and Bridge, or designee.

Inspector: Engineer, or designee, supplied full time or part time to the contractor's crew for the oversight of the work.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

TxDOT: Texas Department of Transportation

Working Day: Monday through Friday (excluding County approved holidays), if weather permits the performance of the contract (as determined by the Inspector) for a continuous period of at least 8 hrs. (excluding lunch) between 7:00 A.M. and 6:00 P.M. Time begins with crews on site with equipment and ready for operation.

ITEM 247 – FLEXIBLE BASE

Unless otherwise specified or approved, use new materials for the work. Secure the Engineer's approval of the proposed source of materials to be used before their delivery. Materials can be approved at a supply source or staging area but may be re-inspected.

Flexible Base shall be Type A, Grade 4 and shall conform to the requirements of Table 1:

Table 1: Material Requirements

Property	**Grade 4**
Master gradation sieve size (cumulative % retained)	
2 1/2 "	-
1 3/4 "	0
7/8 "	10-35
3/8"	30-65
# 4	45-75
# 40	70-90

#200	87-95
Liquid Limit, % Max	35
Plastic Index, Max	10
Wet ball mill, % Max	40
Wet ball mill, % Max Increase passing the #40 sieve	20
Min. Compressive Strength, psi	
Lateral pressure 0 psi	35
Lateral pressure 15 psi	175

ITEM 260 – LIME TREATMENT (ROAD MIXED)

Subgrade stabilization is required when the Plasticity Index (PI) of the raw subgrade is greater than 20. Lime stabilization shall be used and shall be performed in accordance with TxDOT Item 260, unless otherwise approved.

If the addition of lime as described in Item 260 is not feasible, an alternate stabilizing design shall be proposed and submitted for approval. Increased base thickness does not effectively compensate for subgrade soil with high shrink/swell potential and will not be approved without additional stabilization.

If the soil has a sulfate content greater than 7,000 ppm, removal and replacement with select fill may be required.

Organic content of the natural subgrade shall be tested in accordance with Tex-148-E. If the organic content is 1% or greater, additional lime shall be added to compensate for the additional reaction. Target lime content shall be verified with Tex-121-E, Pt. III for soil modification.

Lime shall be a hydrated lime slurry delivered to the site, spread on the proof-rolled natural subgrade and mixed with a rotary mixer within 6 hours of spreading in accordance with TxDOT Item 260. A pH of 12.4 must be achieved for stabilization. Confirmation testing is required.

Alternative application and mixing processes may be approved.

ITEM 300 – ASPHALTS, OILS, AND EMULSIONS

Asphalt season starts April 1 and ends September 30.

No engine oil shall be used as a component of any asphalt or emulsion.

Non-Tracking Tack Coat Emulsion shall be used and considered subsidiary to the pertinent Items.

ITEM 302 – AGGREGATES FOR SURFACE TREATMENTS

Aggregate used in the mix shall be on the TxDOT Quality Monitoring Schedule. Aggregate shall be Type B Grade 4. Gradation tests shall be required. Use test method Tex-200-F, Part I, for testing.

Previously tested aggregates delivered to the project which are found to contain excessive quantities of dust (more than 0.5 percent passing the no. 40 sieve) during pre-coating, stockpiling or hauling operations, will be rejected, unless otherwise directed. Use test method Tex-200-F, Part I, for testing.

ITEM 310, 316, 340

Perform work during appropriate weather conditions, unless otherwise directed. If work is performed at the Contractor's option, during, or prior to, inclement weather conditions, and the work is damaged, the Contractor is responsible for all costs associated with replacing the work.

ITEM 310 – PRIME COAT

A Prime Coat shall be applied on the completed and approved base course and/or other approved areas. Prime coat shall be cured for a minimum of 24 hours before paving may take place.

Prime coat shall be MC30 or AEP, unless otherwise approved by the County Engineer. Materials shall be the requirements of TxDOT Item 310.

Where applicable, the flange face of the curb shall be tacked with asphalt product prior to construction of HMAC to prevent moisture infiltration at the curb and pavement surface interface.

ITEM 316 – SURFACE TREATMENTS

Do not apply asphalt within 1½ hours of sunset, or later, unless otherwise directed.

The type and rate of asphalt and aggregate shall be submitted to the County Engineer for approval and shall be indicated on the plans as a basis of estimate. The following are standard rates for asphalt emulsion and aggregate:

	Asphalt Emulsion Standard Application Rate	Aggregate Standard Spread Rate[1]
1st Course	0.40 - 0.45 gal/sy	110 - 130 lb/sy
2nd Course (if applicable)	0.42 - 0.48 gal/sy	100 - 110 lb/sy

Note 1: Aggregate rates depend on type of aggregate. Rates shown are for typical limestone aggregates. If another rock is desired it must be approved by the County Engineer.

Loss of aggregate may indicate a long delay between spraying binder and spreading cover aggregate; insufficient binder to cement the aggregate into place; improper binder for prevailing conditions; dust or film of moisture is present on the aggregates; high speed traffic prior to development of adhesion, or placement of too much aggregate.

Ensure the accuracy of the Distance Measuring Instrument (DMI) with the Engineer, prior to marking the Asphalt and Rock Land shots.
Surface all transitions, tapers, climbing lanes and intersections to the limits as directed.

Remove and dispose of, off the right of way, any existing traffic buttons before beginning surfacing operations. This will be considered subsidiary to the pertinent Items.

Prior to placement of any overlying HMAC, loose aggregate shall be vacuumed from the roadway surface. Vacuuming should not occur for a minimum of 24 hours after initial spreading.

ITEM 340 - DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY)

HMAC materials shall meet the requirements of TxDOT Item 340 unless otherwise approved by the County Engineer.

HMAC shall not be placed for a minimum of 24 hours after surface treatments have been applied.

Performance grade (PG) binders shall be used in HMA mixture. Recycled Asphalt Shingles (RAS) and Recycled Engine Oil Bottoms (REOBs) are not permitted. Recycled Asphalt Pavement (RAP) is not permitted in the surface course. If HMAC is proposed for a subsurface design, up to 20% RAP is permissible.

Minimum bituminous binder content shall be 5%.

Provide mixture Type D using PG binder 70-22. Engine oil is not allowed as a component of the binder.

Target laboratory molded density is 96.5% for Texas Gyratory Compactor (TGC). When using the Superpave Gyratory Compactor (SGC) to the design mixtures, submit the SGC mix design to the Engineer for approval.

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 @ 0.5" Rut Depth, Tested @122°F
PG 64 or lower	Tex-242-F	7,000
PG 70	Tex-242-F	15,000
PG 76 or higher	Tex-242-F	20,000

1. The Engineer may accept Hamburg Wheel test results for production and placement if no more than 1of 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.

Minimum VMA during production shall be equal to or greater than Design VMA for all mixtures types in accordance with Table 8 of Item 341.

The County Engineer may require samples for mixture design verification. Upon request, the Contractor shall provide two 5-gallon buckets of each aggregate stockpile to be used on the project and three gallons of each PG binder from the plant to be used on the project. Sufficient quantities of any other additives that will be used in the HMA mixture shall also be provided.

Prior to allowing production of the trial batch, the Engineer will use the materials provided by the Contractor to perform the following tests to verify the HMA mixture design.

1. Indirect Tensile Test in accordance with Tex-226-F
2. Hamburg Wheel Test in accordance with Tex-242-F
3. Overlay Test in accordance with Tex-248-F
4. Cantabro Test in accordance with Tex-245-F

In lieu of or in addition to evaluating the mixture design prior to allowing a trial batch to be produced, the Engineer may also evaluate the mixture produced during the trial batch for compliance with the tests listed above.

The County Engineer shall be notified of any adjustments or changes to an approved job mix formula. New mixes are subject to additional testing.

HMAC shall be placed in layers/lifts as identified in the construction drawings. Lifts shall be compacted thoroughly and uniformly to obtain the compaction and cross section identified in the construction drawings.

HMA mixtures that are discharged from the mixer at a temperature exceeding 350°F or a temperature more than 50°F below the target temperature shall not be accepted and shall not be placed on the project. If the Contractor proceeds to place unacceptable material, the Contractor shall remove the material at the Contractor's expense unless otherwise accepted by the County.

HMA mixture shall only be placed when the roadway surface temperature is at or above 60°F unless otherwise accepted by the County or temperatures are expected to rise above 60°F within 2 hours.

Under no circumstances shall the HMA material be dumped on or near the job site and then reloaded for hauling to the site for placement.

All HMA construction joints shall be staggered for each proceeding lift. Ensure placement sequence to avoid excess distance of longitudinal joint lapback not to exceed one day's production rates.

When there is visual evidence of segregation or segregation profile fails to meet specification, the segregated area shall be removed and replaced.

Irregularities shall be corrected. Irregularities include segregation, rutting, raveling, flushing, fat spots, mat slippage, irregular color, irregular texture, roller marks, tears, gouges, streaks, uncoated aggregated particles or broken aggregate particles. Surface irregularities will require the replacement of a full lane width using an asphalt paver.

Acceptance Plan is not applicable to this project; no bonus and/or penalty are allowed. Acceptance of work will follow the specification as outlined with the clarification below.

GOVERNING SPECIFICATIONS (STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPENCIES OCCUR BETWEEN THE VARIOUS GOVERNING SPECIFICATIONS, THE SPECIAL PROVISIONS SHALL GOVERN OVER BOTH STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

WHEREVER, IN THE TXDOT STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE STATE OF TEXAS, THE DEPARTMENT AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

ITEM 247 FLEXIBLE BASE
ITEM 260 LIME TREATMENT (ROAD-MIXED)
ITEM 300 ASPHALTS, OILS, AND EMULSIONS
ITEM 302 AGGREGATES FOR SURFACE TREATMENTS (300)(301)
ITEM 310 PRIME COAT
ITEM 316 SURFACE TREATMENTS (210)(300)(302)
ITEM 340 DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY) (300)(301)(320) (520)(585)

SPECIAL PROVISIONS: THE CONTENT OF THE SPECIAL PROVISIONS ARE INCLUDED ON THE FOLLOWING PAGES.

SPECIAL PROVISION TO ITEM 300 (300-001)
SPECIAL PROVISION TO ITEM 300 (300-005)
SPECIAL PROVISION TO ITEM 300 (300-007)

SP 1 - Decomposed Granite Walkways

1.1 Description

This standard specification item shall govern furnishing and placing granite gravel surfacing for walkways. The granite gravel surface shall be constructed in a single layer on an approved and properly prepared base course, conforming to typical sections and to the lines and grades indicated on the drawings or established by the engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text the inch-pound units are given preference followed by SI units shown within parentheses.

1.2 Submittals

The submittal requirements of this specification item may include:

A. Sample of decomposed granite gravel surface material along with source identification and gradation and plasticity test results for approval, quality assurance and color;

B. Sample of flexible road base material or approved equivalent along with source identification and gradation and plasticity test results for approval, quality assurance and color;

C. Optimum moisture-density characteristics for decomposed granite gravel and road base sources;

D. Proposed walkway construction sequence and equipment; and

E. Field density test results for in-place compacted red granite gravel and red road base.

1.3 Materials

The surface and base layer materials shall be approved by the Engineer or designated representative prior to being hauled to the Project.

The decomposed granite gravel and road base materials or approved equivalent shall be meet or exceed to the following TxDOT standard test methods:

a) Preparation for Soil Constants and Sieve Analysis	Tex-101-E
b) Moisture Content	Tex-103-E
c) Liquid Limit	Tex-104-E
d) Plastic Limit	Tex-105-E
e) Plasticity Index	Tex-106-E
f) Sieve Analysis	Tex-110-E
g) Laboratory Compaction	Tex-113-E
h) Field Density	Tex-115-E

The surface layer material shall be from a source approved by the Engineer or designated representative and shall be composed of a mixture of Texas decomposed unwashed granite aggregate and clay fines that meets the following requirements:

Sieve Designation		% Passing	
US	SI		
5/8"	19 mm	100	
#40	425 μm	40 to 45	
# 200	75 μm	15 to 25	
Plasticity Index			12 to 18

1.4 Construction

A. General

Prior to commencement of this work, all required erosion controls and tree protection measures

indicated on the Drawings shall be in place. All existing utilities shall be located and protected as specified in the Standard Contract Documents.

Areas within the construction limits shall be cleared of all obstructions, abandoned structures, and other items as defined above. All vegetation, except trees or shrubs indicated for preservation, shall also be removed. Trees and shrubs, which are scheduled for preservation, shall be carefully trimmed as directed by the engineer or designated representative and shall be protected from scarring, barking or other injuries during construction operations. All exposed cuts over 2 inches (50 millimeters) in diameter, exposed ends of pruned limbs or scarred bark shall be treated with an approved asphalt material within 24 hours of the pruning or injury.

Construction equipment shall not be operated nor construction materials stockpiled under the canopies of trees, unless otherwise indicated on the Drawings and/or specified in the Contract Documents. Excavation or embankment materials shall not be placed within the drip line of trees until tree wells are constructed.

B. Subgrade Preparation

The subgrade shall be excavated and shaped in conformity with the typical sections shown on the drawings and to the lines and grades as established by the Engineer or designated representative. The subgrade shall be tested by “proof rolling”, except that a 10-ton roller will be used prior to placement of the road base material. Any unstable or spongy subgrade areas identified by proof rolling shall be corrected either by additional re-working, drying and compaction, or by removal and replacement of unsuitable materials.

If required the subgrade shall be wetted, reshaped and rolled to the extent directed in order to place the subgrade in an acceptable condition to receive the red road base material. The surface of the subgrade shall be finished true to line and grade as established by the Engineer or designated representative in conformity with the typical section shown on the drawings. Material excavated in the preparation of the subgrade shall be utilized in the construction of adjacent shoulders and slopes or otherwise disposed of as directed by the Engineer or designated representative. Additional material required for completion of the shoulders and slopes shall be secured from sources approved by the owner.

C. Flexible Base

Refer Williamson County Design Guidelines for road base material placement and construction.

D. Decomposed Crushed Granite Surface

Construction methods for the succeeding red granite gravel layer shall be the same as prescribed for the red road base layer with the exception of the compaction requirements. The surface layer shall be sprinkled as required to bring the material to optimum moisture content, then compacted to the extent necessary to provide not less than 92% of the optimum density. In no case shall the material be worked at more than 2 percent above or below optimum moisture.

When the thickness of a particular lift of the flexible base is in question, the Contractor shall check the surface of for conformity to the lines and grades by setting "blue tops" at intervals not exceeding 50 feet (15 meters) on the centerline, the edge of the walkway, and at other points that may be indicated on the Drawings

If the base material and/or surface layer due to any reason or cause, loses the required stability, density or finish prior to acceptance of the project, the base layer and/or surface layer shall be recompacted and refinished at the Contractor's expense.

SP 2 – Back Flow Prevention Device

1.1 Description
This item shall govern the backflow prevention device furnished and installed as indicated on the Drawings.

1.2 Submittals
Cut sheet of proposed device to be installed to include any fittings, enclosures and backflow prevention device.

1.3 Materials
Back flow prevention device shall be a reduced pressure zone assembly WATTS Series 009 or approved equal.

1.4 Construction
Assemblies shall be installed per manufacturer recommendations unless otherwise shown on the Drawings.

1.5 Measurement
Backflow prevention device will be measured as each and shall include device, enclosure and necessary plumbing.

1.6 Payment
Back flow prevention devices will be paid for at the unit bid price, including box or vault, adjusting to grade, anchoring in place, adjusting the control device to the required conditions, providing other appurtenances necessary for proper operation, and placing in operation.

SP 3 – Yard Hydrant Assembly

1.1 Description
This item shall govern the Freeze Proof Yard Hydrant Assembly device furnished and installed as indicated on the Drawings.

1.2 Submittals
The submittal requirements of this specification item may include:

A. Shop drawing of steel fabrication
B. Product specification sheet of yard hydrant
C. Material submittal of limestone screenings
D. Material submittal of gravel fill

1.3 Materials
A. Hydrant shall be freeze proof Woodford Model Y30 or approved equal.
B. Limestone screenings to be Texas Crushed Stone #132 or approved equal.
C. Gravel fill to be Texas Crushed Stone #265 or approved equal.

1.4 Construction
Assemblies shall be installed per manufacturer recommendations unless otherwise shown on the

Drawings.

1.5 Measurement
Yard hydrant will be measured as each and shall include hydrant, valve body, steel tubing, anchors, aggregates and necessary plumbing as shown on Drawings.

1.6 Payment
Yard hydrants will be paid for at the unit bid price, including adjusting to grade, anchoring in place, adjusting the control device to the required conditions, providing other appurtenances necessary for proper operation, and placing in operation.

SP 4 – Dump Station Lid

1.1 Description
This item shall govern the dump station lid device furnished and installed as indicated on the Drawings.

1.2 Submittals
Product specification sheet of dump station lid.

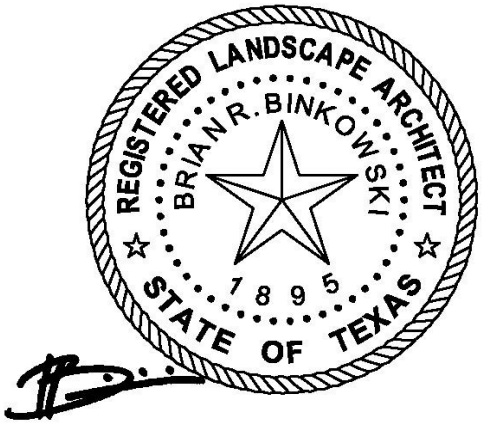
1.3 Materials
Dump station lid shall be foot operated, locking sanitary sewer hatch OPW 269 or approved equal.

1.4 Construction
Dump station lid shall be installed per manufacturer recommendations unless otherwise shown on the Drawings.

1.5 Measurement
Dump station lid will be measured as each.

1.6 Payment
Dump station lid will be paid for at the unit bid price, including furnishing and installing lid, providing other appurtenances necessary for proper operation, and placing in operation.

Expo Center RV Park
Williamson County
Landscape Architectural Specifications



12-04-2017

HALFF
9500 Amberglen Blvd., Bldg. F, Ste. 125
Austin, Texas 78729
P: (512) 777-4600

02932-N…. Native Seeding for Erosion Control

Item No. 02932-N
NATIVE SEEDING FOR EROSION CONTROL

1.1 Description

This item shall govern the preparation of a seed bed to the lines and grades indicated on the Drawings, sowing of seeds, fertilizing, mulching with straw, cellulose fiber wood chips, recycled paper mulch and other management practices along and across such areas as indicated in the Drawings or as directed by the Landscape Architect or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, inch-pound units are given preference with SI units shown within parentheses.

1.2 Submittals

The submittal requirements for this specification item shall include:

A. Identification of the type, source, mixture, PLS and rate of application of the seeding.

B. type of mulch.

C. type of tacking agent.

D. type and rate of application of fertilizer.

1.3. Materials

A. Seeds. All seed must meet the requirements of the Texas Seed Law including the labeling requirements for showing pure live seed (PLS), name and type of seed. The seed furnished shall be of the previous season's crop and the date of analysis shown on each bag shall be within nine months of the time of delivery to the project. Each variety of seed shall be furnished and delivered in separate bags or containers. A sample of each variety of seed shall be furnished for analysis and testing when directed by the Landscape Architect or designated representative.

   The amount of seed planted per acre (hectare) shall be of the type specified in sections 604S.6.

B. Water. Water shall be clean and free of industrial wastes and other substances harmful to the growth of grass or the area irrigated.

C. Straw Mulch or Hay Mulch. Straw Mulch shall be oat, wheat or rice straw. Hay mulch shall be prairie grass, Bermuda grass, or other hay approved by the Landscape Architect or designated representative. The straw or hay shall be free of Johnson grass or other noxious weeds and foreign materials. It shall be kept in a dry condition and shall not be molded or rotted.

D Tacking Agents. The tacking agent shall be a biodegradable tacking agent, approved by the Landscape Architect or designated representative.

E. Cellulose Fiber Mulch (Natural Wood). Cellulose Fiber Mulch shall be natural cellulose fiber mulch produced from grinding clean whole wood chips. The mulch shall be designed for use in conventional mechanical planting, hydraulic planting of seed or hydraulic mulching of grass seed, either alone or with fertilizers and other additives. The mulch shall be such, that when applied, the material shall form a strong, moisture-retaining mat without the need of an asphalt binder.

F. Recycled Paper Mulch. Recycled paper mulch shall be specifically manufactured from post-consumer paper and shall contain a minimum of 85% recycled paper content by weight, shall contain no more than 15% moisture and 1.6% ash, and shall contain no growth inhibiting material or weed seeds. The recycled paper mulch shall be mixed with grass seed and fertilizer for hydro-seeding/mulching, erosion control, and a binder over straw mulch. The mulch, when applied, shall form a strong, moisture-retaining mat of a green color without the need of an asphalt binder.

1.4 Construction Methods

A. Preparing Seed Bed. After the designated areas have been rough graded to the lines, grades and typical sections indicated in the Drawings or as provided for in other items of this contract and for any other soil area disturbed by the construction, a suitable seedbed shall be prepared. Contractor to scarify the ground surface to a minimum 4" depth remove all sticks, trash, rocks and other debris and dispose off site prior to seeding/sodding. When solid rock is exposed or encountered within the first 2” depth of existing soil, place a minimum of 4” imported topsoil or approved salvaged topsoil, cultivated and rolled sufficiently to reduce the soil to a state of good tilth, when the soil particles on the surface are small enough and lie closely enough together to prevent the seed from being covered too deeply for optimum germination. Areas that become crusted shall be reworked to an acceptable condition before sodding The optimum depth for seeding shall be 1/4 inch (6 millimeters). Water shall be gently applied as required to prepare the seedbed prior to the planting operation either by broadcast seeding or hydraulic planting. Seeding shall be performed in accordance with the requirements hereinafter described.

B. Watering. All watering shall comply with City Ordinances. Broadcast seeded areas shall immediately be watered with a minimum of 5 gallons of water per square yard (22.5 liters of water per square meter) or as needed and in the manner and quantity as directed by the Landscape Architect or designated representative. Hydraulic seeded areas and native grass seeded areas shall be watered commencing after the tackifier has dried with a minimum of 5 gallons of water per square yard (22.5 liters of water per square meter) or as needed to keep the seedbed in a wet condition favorable for the growth of grass.

Watering applications shall constantly maintain the seedbed in a wet condition favorable for the growth of grass. Watering shall continue until the grass is uniformly 1 1/2 inches (40 mm) in height and accepted by the Landscape Architect or designated representative. Watering can be postponed immediately after a 1/2

inch (12.5 mm) or greater rainfall on the site but shall be resumed before the soil dries out.

1.5 Non-Native Seeding [NOT USED]

1.6 Native Grass Seeding

The seedbed shall be prepared as specified above.

Seed supplier: Native American Seed, Junction, Texas
800-728-4043 www.seedsource.com
(no approved equals accepted)

The seed mixture and the rate of application shall be as follows:

A. Method A - Broadcast Seeding. The seed or seed mixture in the quantity specified shall be uniformly distributed by mechanical methods over the prepared seed bed areas indicated on the Drawings or where directed by the Landscape Architect or designated representative. Seed and fertilizer may be distributed at the same time, provided that each component is uniformly applied at the specified rate. After planting, the planted area shall be rolled with a corrugated roller of the "Cultipacker" type. All rolling of sloped areas shall be on the contour.

   Seed Mixture and Rate of Application for Broadcast Seeding: **Midway Mix** – Rangeland Seeding Rate 10 pounds per 1 acre.

   Fertilizer shall be a pelted or granular slow release with an analysis of 15-15-15 to be applied once at planting and once during the period of establishment at a rate of 1 pounds per 1000 square feet.

   Mulching shall immediately follow seed and fertilizer application.

B. Method B - Hydraulic Seeding. The seedbed shall be prepared as specified above and hydraulic planting equipment, which is capable of placing all materials in a single operation, shall be used.

   Seed Mixture and Rate of Application for Hydraulic Seeding: **Midway Mix** – Rangeland Seeding Rate 10 pounds per 1 acre.

   Fertilizer shall be water soluble fertilizer with an analysis of 15-15-15 at a rate of 1.5 pounds per 1000 square feet.

1.7. Mulch

A. Straw Mulch

Straw mulch shall be spread uniformly over the area indicated or as designated by the Engineer or designated representative at the rate of 2 to 2 1/2 tons of straw per acre (4.5 to 5.6 megagrams of straw per hectare). The actual rate of application will be designated by the Landscape Architect or designated representative. Straw may be hand or machine placed and adequately secured.

B. Fiber Mulch

Cellulose and wood fiber mulch shall be spread uniformly over the area indicated or as designated by the Landscape Architect or designated representative at the rate of 45 to 80 lbs. per 1000 square feet (22 to 39 kilograms per 100 square meters), with tackifier at a rate of 1.4 pounds per 1000 square feet.

C Recycled Paper Mulch

Recycled paper mulch shall be spread over the area indicated on the Drawings or as designated by the Landscape Architect or designated representative at a rate that will provide 100% coverage.

D. Shredded Brush Mulch

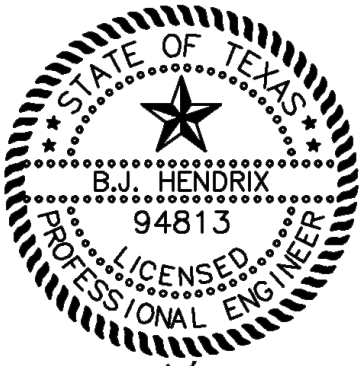
Small brush or tree limbs except Juniper, which have been shredded, may be used for mulching Native Grass seeding.

END OF SECTION 02932-N

Expo Center RV Park

Williamson County

Electrical Specifications



12/04/17

MEP/ENERGY CONSULTANTS
HCE HENDRIX CONSULTING ENGINEERS
COMMISSIONING • FIELD INVESTIGATIONS

115 E. Main Street
Round Rock, Texas 78729
P: (512) 218-0060

26 05 00.....General Provisions
26 05 10.....Schedule of Values
26 05 19.....Wire & Cable
26 05 26.....Grounding & Bonding
26 05 33.....Raceways
26 05 34.....Outlet Boxes, Pull Boxes & Junction Boxes
26 05 80.....Empty Raceway Rough-In
26 24 16.....Branch Circuit Panelboards
26 28 25.....Contactors
26 43 00.....Surge Protective Devices

SECTION 26 05 00 - GENERAL

PART 1 - GENERAL

1.01 SCOPE OF WORK

Unless otherwise specified, provide all labor, equipment, supplies, materials, superintendence and testing necessary for the installation of complete electrical systems as required by these specifications and as shown on the Drawings, subject to the terms and conditions of the contract. Complete such details of electrical work not mentioned or shown which are necessary for the successful operation of all electrical systems described on the Drawings. Include empty conduits as required for all special systems and power for condensate pumps and HVAC control panels as required by the Mechanical Contractor. Field coordinate exact locations.

A. Submit a bid on the basis of a complete installation, including all labor, material, cartage, insurance, permits, associated fees and taxes.

B. Include temporary electrical power and lighting that will be required for the interior of the buildings. Provide lighting to satisfy OSHA requirements and the NEC.

C. All Agreement Forms, General Conditions, Supplementary Conditions, and Division 1 of the specifications shall apply to the work specified in Division 26-28.

D. Additional Site Visit Costs: The Contractor shall be charged with any cost resulting from uncompleted items that require additional site trips by the Architect/Engineer.

E. No attempt has been made to show complete design details of building construction on the Electrical plans. Refer to Architectural, Structural and Mechanical plans for additional details which will affect electrical work. No extra cost will be allowed for offsets in conduit and wiring to avoid other work or when minor changes are necessary to facilitate installation or maintenance.

F. Electrical Contractor is to provide all parts and labor to make final connections to all equipment shown in contract documents. Power may be shown in general location, it is expected that Electrical Contractor coordinate final locations for rough-in and connection requirements with exact equipment being installed. These items include but not limited to book security, exhaust fans, kilns, hand dryers, sensor operating plumbing devices, overhead doors, powered curtain, fire alarm door hold opens, etc.

G. NO TOXIC NOR HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO PRODUCTS OR MATERIALS CONTAINING ASBESTOS, PCB AND LEAD SHALL BE PROVIDED OR INSTALLED.

H. AN EXTRA COPY OF ALL FIELD REPORTS SHALL BE KEPT IN A SEPARATE NOTEBOOK. CONTRACTOR TO SET UP IN THE CONSTRUCTION MANAGER'S TRAILER. THESE REPORTS SHALL BE USED FOR CONTRACTOR TO CHECK THAT EACH INDIVIDUAL ITEM NOTED HAS BEEN COMPLETED. ALSO KEEP LOG OF WHERE EXTRA RECEPTACLES AND OUTLET BOXES CALLED OUT IN 26 27 26, 3.01 AND 26 05 80, 2.01. ARE INSTALLED.

I. Electrical Contractor shall use Fire Alarm Contractor's Shop Drawings and Rough-In details on drawings for rough-in of all fire alarm devices. Any devices not roughed-in according to Fire Alarm Shop Drawings and drawing details shall be relocated at no cost to Owner.

J. Sensor Operated Plumbing Devices: Plumbing Contractor to provide transformers from manufacture. Electrical Contractor to provide all other electrical materials and labor to provide complete and workable device. This includes but is not limited to receptacles for plug in transformers, line voltage wire/conduit for direct connect low voltage transformers, all low voltage plenum rated 16 gauge wire.

K. **Cad Drawings:**
Architectural Background Files – Architectural Files are background files, MEP drawings are not background files. To insure the most current Architectural files are used for shop drawings backgrounds, they must be obtained from the architect and cannot be given from the engineer. Reference Architect for cost of Architectural Files.

MEP Drawings – These drawings cannot be used for shop drawings, as they are diagrammatic in nature only. Actual shop drawings prepared by sub-contractors must be used for coordination between all trades. If MEP floorplan files are requested they may be obtained with a signed confidentiality release form, only as outlined below. These files may be used in conjunction with this project only. There are no guarantees of compatibility or accuracy; all technical support will be billed hourly at current Engineer's Rates. Engineer does not charge for actual file, but does charge for time required to prepare the files in format as requested by the Contractor. Fees will be based on Engineer's current hourly rates. Deposit of $500 must be paid prior to beginning file preparation and balance must be paid prior to release of any files. Total fee based on actual time required by Contractor's request. See submittal and shop drawing section for additional information.

MEP CAD Files that will be released.
- If no Architectural RCP is available for light locations. Lighting Floorplans will be released.
- Mechanical Floorplan will be released to Mechanical Contractor for aid in production of his own shop drawings. HCE mechanical drawings may not be submitted as shop drawings.
- Fire Alarm/Fire Sprinkler/Intercom etc… Contractors must use Architectural Revit Models and CAD files for backgrounds and Architectural RCP's (when available or lighting floorplan) and **Mechanical Contractor Shop Drawings** for coordination purposes. This must be obtained from Architect. Engineer may not release architectural drawings.

L. The Contractor binds himself, his partners, successors, assigns and legal representatives to the Owner hereto in respect to all covenants, agreements and obligations contained in the Contract Documents. The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the Architect/Owner, nor shall the Contractor assign any monies due or to become due to him hereunder, without the previous written consent of the Owner/Architect.

M. The Contractor shall supervise and direct the Work using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, safety, sequences and procedures and for coordinating all portions of the Work under his Contract.

N. The Contractor shall provide, without extra charge, all incidental items required as a part of the Work, even though not particularly specified or indicated, and if he has good reason for objecting to the use of a material, appliance, or type of construction shown or specified, he shall register his objections with the Architect/Engineer, in writing; otherwise, he shall proceed with the work under the stipulation that a satisfactory job is required.

O. Provide a completed Schedule of Values, see Specification Section 26 05 10. Preliminary schedule of values shall be submitted to Architect/Engineer for review.

1.02 SITE INSPECTION

A. Prior to Bidding, the Contractor shall visit and examine the site verifying all existing items and familiarize himself with existing work conditions and understand the conditions which affect performance of the work of this Division before submitting bids for this work. The submission of bids shall be deemed as evidence of such visits and examinations.

B. All bids shall take the existing conditions into consideration and the lack of specific information on the drawings shall not relieve the Contractor of any responsibility. No subsequent allowance for time or money will be allowed for work or change related to failure to examine site conditions.

1.03 RELATED WORK SPECIFIED ELSEWHERE

A. All work covered by this section of these specifications shall be accomplished in accordance with the respective drawings, information or instructions to bidders, and general provisions of these specifications. Any supplementary conditions, special conditions, addenda, or directives which may be issued by the Owner's representative herewith or otherwise shall be complied with in every respect.

B. Provide electrical connections and service to items described in all other sections of these specifications.

C. The Electrical Contractor shall provide all wiring and connections required to fire/smoke dampers. Coordinate exact locations of dampers with Mechanical Contractor and relay requirements with Fire Alarm Contractor.

D. The Electrical Contractor shall provide all wiring and connections required to backdraft dampers at exhaust fans. Coordinate exact locations of dampers with Mechanical Contractor.

E. Electrical Contractor to provide conduit and junction boxes for all sensors and exterior conduit for controls to mechanical equipment. Conduit for space sensor to extend from junction box to above accessible ceiling. Conduit for exterior equipment to extend from equipment through wall or roof to above an accessible ceiling. Any control wiring in exposed ceiling areas to be in conduit by Controls Contractor for protection. Controls Contractor to coordinate on all conduit requirements. Coordinate locations with Electrical Contractor.

1.04 WORK NOT INCLUDED

A. Certain labor, materials, or equipment may be provided under other sections of these specifications, by utility companies, or by the Owner. When such is the case, the extent, source and description of these items will be as indicated on the Drawings or described in the specifications, but the Contractor is responsible for verifying with all parties involved as to the extent of his requirements of work.

B. Unless otherwise indicated, motors shall be furnished by others, but connected by the Electrical Contractor as indicated on the Drawings.

C. Unless otherwise specified, Mechanical equipment control low voltage wiring (less than 50 VAC) shall be provided and installed by the Mechanical Contractor.

1.05 SPECIFICATION TERMINOLOGY (Definitions)

A. "Provide": Includes all material, installation, labor subcontracts, appurtenances and mark-up required for a complete operable system as shown and specified, set in place, connected and ready to use.

B. "Furnish": Purchase and deliver to job site, material as shown and specified.

C. "Install": Includes all installation, labor subcontracts, appurtenances and mark-up required for complete installation of equipment furnished by others.

D. "Record Drawings": Drawings that reflect the electrical systems as actually constructed by the Contractor including conduit routing.

E. "Accessible" means arranged so that an appropriately dressed maintenance man may approach the area in question with tools and products necessary for the work intended, and may then position himself to properly perform the task to be accomplished, without disassembly or damage to the surrounding installation. All clearances per NEC.

F. Wherever the term "shown on drawings" is used in the specifications, it shall mean "noted", "indicated", "scheduled", "detailed", or any other diagrammatic or written reference made on the drawings.

G. "Conduit" includes, in addition to conduit, all fittings, hangers and other accessories relative to such conduit system.

H. "Concealed" means hidden from sight in chases, furred spaces, shafts, hung ceilings, imbedded in construction, crawl spaces, etc.

1.06 DIAGRAMMATIC DRAWINGS:

A. The drawings are in general diagrammatic, and the location of outlets, switches, motors, etc., on the drawings does not necessarily mean that such units shall be placed at that exact spot, as scaled on the drawings, but shall be located to function best. Use the drawings, and these specifications for guidance and secure the Engineer's approval of all changes in location. Coordinate all dimensions for floor boxes with Architect. Contractor shall not scale from drawings.

B. Verify all measurements at the site. No extra compensation will be allowed because of differences between locations shown on the drawings and measurements at the building.

C. The Contractor is to draw electrical rooms and service to scale **(1/4" minimum)** with actual equipment to be used and submit to the Engineer prior to installation. The Contractor must insure that all minimum NEC working clearances are maintained. Coordinate with equipment of other trades.

D. Where lighting fixtures and other electrical items are shown in conflict with structural members and mechanical or other equipment, provide all required supports and wiring to clear the encroachment.

E. The branch circuits and arrangement of home runs have been designed to compensate for voltage drop and other considerations to accomplish maximum economy. Re-circuiting will not be permitted without specific approval. **Circuit numbers may change to achieve balanced loads on panels.**

F. In the event of discrepancy, immediately notify the Engineer. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved.

G. Drawings and specifications are complimentary each to the other. What is called for by one shall be as binding as if called for by both.

H. Should the drawings disagree in themselves, or with the specifications, the better quality or greater quantity of work or materials shall be used.

I. Outlets and switches obviously placed in a location not suitable to the finished room or area shall be removed and relocated when so directed by the Architect at no cost to the Owner. The Architect shall have the right to make any reasonable change in outlet locations before rough-in without additional cost to the Owner. The contractor shall contact engineer when switches are inadvertently shown on hinge side of door prior to rough-in.

J. Location of light fixtures shall be coordinated with reflected ceiling plans and/or room finish schedules.

1.07 MATERIAL AND EQUIPMENT SUBMITTALS

A. Submittals: Provide submittals for all products and systems described in Division 26-28 and shown on the drawings to demonstrate compliance with the requirements of the project. Furnish equipment submittals in the manner described elsewhere in these specifications.

B. Submit to the Engineer, after the award of the contract or as dictated by project schedule, a type written list of those items of equipment and appurtenances which will be furnished. Include the name or description of the item, name of manufacturer, model or type, catalog number and manufacturer's printed information. The information submitted shall include overall dimensions, weights, voltage rating, phase, wiring diagrams, etc., and nameplate data. Assemble cut sheets into separate submittals as defined in this section or by Specification Section. Submit priority items and long lead time first. Then follow with remaining items. This will allow for faster review and response to accommodate project schedule. **Any submittal with all sections under one (1) submittal number will be returned and required to be broken into unique separate submittal numbers.** The Engineer's check will be general and does not relieve the Contractor of final responsibility to comply with the Contract Documents in all respects.

C. Submittal review is for general design and arrangement only and does not relieve the Contractor from any of the requirements of the Contract Documents. Submittals will not be checked for quantity, dimension, fit or proper technical design of manufactured equipment. Where deviations of substitute product or system performance have not been specifically noted in the submittal by the Contractor, provision of a complete and satisfactory working installation is the sole responsibility of the Contractor. **Warranties cannot be reduced through the submittal process.**

D. Contractor shall indicate items being used on cut sheets by highlighting or arrowing to actual part number. Submittals may be returned without checking if submittals not appropriately marked.

E. **'Individual submittals' means separate submittals with unique submittal numbers for each specification section. Separate PDFs for each Submittal number.**

F. HARDCOPY SUBMITTAL REQUIREMENT: Hardcopy submittals will not be required by Engineer.

G. **PDF SUBMITTAL REQUIREMENT:**
For submittal sections listed below as allowed pdf's the following requirements must be met or the submittal will not get through email security and will be auto-deleted and not checked. Each specifications section must be a separate pdf file, **one giant pdf for all sections will be rejected**.

PDF FILE: MUST BE NAMED AS FOLLOWS:
JOB NAME – SUBMITTAL No. XX – SUBMITTAL DESCRIPTION

EMAIL TITLE/SUBJECT: FOR SUBMITTALS MUST BE AS FOLLOWS:
JOB NAME – SUBMITTAL No. XX – SUBMITTAL DESCRIPTION

Failure to follow these instructions will result in the submittal never reaching the engineer and not being checked. Delays cause by not following these procedures are the sole responsibility of the contractor. Emailed submittals must come from the Architect and must not be emailed directly from the contractor. Do not Carbon Copy the Engineer on Emailed submittals.

H. **Multiple re-reviews required due to Contractor not following instructions, specifications, etc will be billed to Contractor at Engineer's current hourly rates. This shall be paid prior to submittal approval.**

I. **Submittals will be returned in order of construction of the project, not necessarily in order submitted.** If all sections are submitted under one binder/at one time and transmittal, each section will be returned at the appropriate time for construction phasing. Electrical Gear will not be reviewed until "Mechanical/Electrical Coordination Sheet" has been submitted. Electrical Gear and Light Fixtures may require extended review time**. If submittals are submitted early relative to construction phasing, submittals may be held, reviewed and returned at the appropriate time for construction phasing, not necessarily 2 weeks. In some cases, if submittals are received vastly out of order of construction, submittal may be rejected.**

J. **DO NOT SUBMIT THE FOLLOWING SECTIONS UNLESS DEVIATING FROM THE SCHEDULES/SPECIFICATIONS. Provide directly to General Contractor/CMR for inclusion into O & M Manuals. If deviating from the specifications submittal will be required. (Highlight items in each submittal content that are different to allow for proper review.):**

1. 26 05 00 – General Provisions
2. 26 05 10 – Schedule of Values
3. 26 05 19 – Wire and Cable
4. 26 05 26 – Grounding and Bonding
5. 26 05 33 – Raceways
6. 26 05 34 – Outlet Boxes, Pull Boxes and Junction Boxes
7. 26 05 80 – Empty Raceway Rough-In
8. 26 28 25 – Contactors

K. **PDF Submittals Allowed** for Product Cut-Sheets for are limited to the following items: **Separate PDF file for each Submittal number is required. Follow file format above.**

1. 26 24 16 – Branch Circuit Panelboards
2. 26 43 00 – Surge Protective Devices
3. Electrical Rack – Also, include other equipment and/or systems on plan.

L. When requested, present samples of all materials proposed for use to the Engineer for his approval.

M. Certify Shop Drawings have been checked for compliance with Contract Documents. Certify that the materials submitted can be delivered and installed according to the construction schedule.

N. Select all other materials, not specifically described on the Drawings or in these specifications but required for a complete and operable facility, and submit to the Engineer for approval.

O. **Substitutions:** ("Substitution Request" form must be submitted)

1. Substitutions must be made and accepted PRIOR to Bid.
2. Unless otherwise indicated, base bid on the equipment shown on the Drawings and hereinafter specified.
3. Request for approval to substitute materials, methods, or processes shall be made to Architect and if found acceptable, will be confirmed by an addendum to the Construction Documents. Where proposed substitutions are not incorporated into the Construction Documents by addendum **PRIOR** to time of the General Contract bid opening, all bids shall be held to have been made on the basis of the materials, methods and processes required by the Construction Documents.
4. All substitutions shall be of equal or better quality to the equipment specified.
5. Acceptance of the substitution by the Engineer does not relieve the Contractor of responsibility for proper operation of the systems, compliance with specifications, necessary changes due to dimensional differences or space requirements, and completion of work on schedule.
6. It is not the intent of the Specifications to limit materials to the product of any particular manufacturer. Where definite materials, equipment and/or fixtures have been specified by name, manufacturer or catalog number, it has been done so as to set a definite standard and a reference for comparison as to quality, application, physical conformity and other characteristics unless no substitutions are noted.
7. **Submit fully completed "Substitution Request" form located at end of this section. If this form is not submitted, all substitution request will be automatically rejected.**
8. **For substitutions that require substantial review by engineer to ensure equality, the contractor requesting substitutions shall reimburse the engineer at current hourly rates for all review time. This shall be paid prior to submittal approval. This applies to all equipment not previously approved on construction documents.**

a. Light Fixtures Packages

b. Alternate Transformers

c. Alternate Surge Protective Devices

d. Alternate Equipment/Gear Packages

e. Contractor Cost Savings Packages Requiring Substantial Review Time

1.08 SHOP DRAWINGS REQUIRED

A. Prepare and submit working construction drawings as requested, specified, and otherwise necessary to demonstrate proper planning for installation and arrangement of all work. Layout drawings to scale and show dimensions where accuracy of location is necessary for coordination or communication purposes. Show work of all trades, including Architectural, Structural, Mechanical, and Electrical items which may be pertinent to proper and accurate coordination.

B. Architectural drawings must be used for backgrounds in preparation of shop drawings and shall be obtained from the Architect. Confirm requirements and stipulations for obtaining floor plan backgrounds with Architect and with other sections of specification. Engineer's drawings and CAD files **may not** be used for Shop Drawings. Reference 1.01-L.

C. Reference other specification for additional requirements.

1. Fire Alarm

2. PA System

3. Electrical Rooms

1.09 RECORD DRAWINGS

A. Reference requirements stated elsewhere in the specifications.

B. THE CONTRACTOR SHALL TAPE ALL ADDENDAS ISSUED DURING BIDDING TO HIS CONSTRUCTION AND RECORD DRAWING SET PRIOR TO COMMENCING CONSTRUCTION. PAY REQUESTS WILL NOT BE PROCESSED UNTIL THIS REQUIREMENT IS MET.

C. In addition to other requirements, a master Record Drawing print set (separate from field sets) shall be kept in the site construction office as the work progresses. Show routing and location of items cast in concrete or buried underground. Work located in spaces with access, or above suspended ceilings, is not considered permanently concealed. Show complete routing and sizing of any significant revisions to the systems shown. Indicate locations of all existing active and inactive conduit uncovered during construction**. Keep marked up set at site for review at site meetings**.

D. **Contractor to indicate conduit routing locations for all major runs and branch circuits under slab along with major junction locations.**

E. The Contractor shall be responsible for updating all items, including but not limited to floor plan changes, system changes, addendums, change orders, etc. on the prints to "As-Built" conditions. At the completion of the job the marked up As-Built Drawings shall be submitted to the Architect for final review and comment. These corrected prints together with all the revisions, additions and deletions of work, shall form the basis for preparing a set of record drawings.

F. Using the “Record Drawing Set”, the Contractor shall print two (2) complete sets of prints one for submission to the Owner and one rolled in a 4” PVC pipe in main electric room mounted to wall and labeled. Tape all edges. The contactor shall provide pdf copies/scans for owner record purposes. Remove Engineer’s seal from record drawings.

G. The Contractor shall bear all the costs of producing the “Record Drawing Set”.

H. Electrical riser diagrams shall be laminated and mounted in the main electrical room or as directed by the Engineer.

1.10 CODES, REGULATIONS AND ORDINANCES

A. Comply with the requirements of the National Electrical Code, National Electrical Safety Code, Occupational Safety and Health Act (OSHA) and all other applicable Federal, State and local codes and ordinances. All codes and standards shall be per the latest adopted edition with all supplements and official interpretations included. Provide disconnecting means for all equipment per NEC. The Drawings and specifications take precedence when they are more stringent than codes, standards, ordinances, and statutes take precedence when they are more stringent or conflict with the Drawings and specifications.

B. Should the Contractor perform any work that does not comply with the requirements of the applicable Building Codes, State Laws, Local Ordinances and Industry Standards, he shall bear all costs arising in correcting the deficiencies, as approved by the Architect.

C. All work shall also satisfy applicable local codes, ordinances, and regulations of the governing bodies, and all authorities having jurisdiction over the work. Where alterations to, or deviations from, the drawings and specifications are required by the authority having jurisdiction, report the same in writing to the Owner’s representative and secure his approval before proceeding.

1.11 DELIVERY AND STORAGE OF EQUIPMENT AND MATERIAL

A. Investigate each space in the building through which equipment must pass to reach its final location. If necessary, the manufacturer shall be required to ship his material in sections sized to permit passing through such restricted areas in the building.

B. Retain all portable and detachable parts or portions of installation such as fuses, key locks, adapters, blocking clips, and inserts until final completion of work. Deliver parts to the Owner or his authorized representative and attach an itemized receipt to obtain request for final payment.

C. Product Handling:

1. Use all means necessary to protect the work and materials of this section before, during, and after installation and to protect the work and materials of all other trades.

2. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Engineer and at no additional cost to the Owner.

3. Store and protect materials and equipment in accordance with the manufacturer’s recommendations.

4. Provide suitable box or crate electrical equipment and cover with waterproof covers to protect against dirt, moisture or accidental damage during shipment or outdoors at the job site.

5. Store all conduits on skids.

1.12 SERVICEABILITY OF PRODUCTS

A. Furnish all products to provide the proper orientation of serviceable components to access space provided.

B. Coordinate installation of piping, ductwork, equipment, conduits, junction boxes, panels and other products to allow proper service of all items requiring periodic maintenance or replacement.

C. Replace or relocate all products incorrectly ordered or installed to provide proper serviceability.

1.13 ACCESSIBILITY OF PRODUCTS

A. Arrange all work to provide permanent, convenient and safe access to all serviceable and/or operable products. Layout work to optimize net usable access space within confines of space available. Advise Architect, in a timely manner, of areas where proper access cannot be maintained. Furnish layout drawings to verify this claim, if requested.

B. Provide access doors in ceilings, walls, floors, etc. for access to automatic devices and all serviceable or operable equipment in concealed spaces. Location of panels shall be submitted for approval in sufficient time to be installed in the normal course of work.

1.14 UTILITY COSTS

A. Provide complete utility service connections. The locations and elevations of the various utilities included within the scope of this work have been obtained from city and/or other substantially reliable sources as a general guide only, without guarantee as to accuracy. Verify the locations, elevations, and availability of all utilities and services required, and be adequately informed as to their relation to the work.

B. Include all service charges required by the electric utility or telephone/data/cable utility. Reference General Conditions for further information. Keep all utility company charges as a separate line item in bid. If cost is not available from utility company, indicate utility contact person, telephone number and **date of contact**.

1.15 CLEAN-UP

A. Remove debris and waste materials from within the construction areas and transport off-site, daily.

B. Keep the construction area clean, free from hazard, and orderly arranged.

C. Pay all costs of waste removal and disposal. Reference General Conditions for further information.

D. Dispose of waste materials in accordance with all regulations which govern.

E. Take all precautions to protect persons who enter the construction area from hazardous conditions, hazardous waste, toxic waste, or other unsafe conditions.

F. Upon completion of construction, remove all debris, waste materials, unused materials, temporary constructions, vehicles, tools, fencing, etc. to Owner's satisfaction.

G. All equipment and materials shall be protected from physical moisture absorption, metallic corrosion and weather damage from time of delivery to completion of project. Replace any damaged materials.

PART 2 - PRODUCTS

2.01 EQUIPMENT AND MATERIALS

A. Unless otherwise indicated, provide only new equipment and materials.

B. On all major equipment components, provide manufacturer's name, address, model number, and serial number permanently attached in a conspicuous location.

C. All materials furnished under these specifications shall be the standard product of manufacturer's regularly engaged in the production of such equipment and shall be the manufacturer's latest approved standard design.

D. Guarantees:

1. The Contractor and Manufacturers shall provide a ONE (1) YEAR guarantee for all work under the Electrical Trade. However, such guarantees shall be in addition to and not in lieu of all other liabilities which the manufacturer and the Contractor may have by law or by other provisions of the Contract Documents. In any case, such guarantees and warranties shall commence when the Owner accepts the mechanical/electrical system, as determined by the Architect and shall remain in effect for a period of ONE (1) YEAR thereafter.

2. All materials, items of equipment, all lighting, and workmanship furnished under each section shall carry a ONE (1) YEAR warranty against all defects in material and workmanship. Any fault under any contract, due to defective or improper material, equipment, workmanship or design which may develop shall be made good, forthwith, by and at the expense of the Contractor for the work under his Contract, including all other damage done to areas, materials and other systems resulting from this failure.

3. The Contractor shall guarantee that all elements of the system, which are to be provided under his Contract, are of sufficient capacity to meet the specified performance requirements as set forth herein or as indicated.

4. Upon receipt of notice from the Owner of failure of any part of any systems or equipment during the guarantee period, the affected part or parts shall be replaced by the Contractor for his respective work, as applicable.

5. Furnish, before the final payment is made, a written guarantee covering the above requirements.

6. Reference other guarantee information elsewhere in these specifications.

2.02 STANDARDS

A. Where the Underwriters' Laboratories (UL) have established standards and issued labels for a particular group, class or type of material, apparatus, appliance or device, provide the UL label on all such items in that category incorporated into the work.

B. Where such items are not covered by UL standards, they shall meet or exceed the requirements of the current National Electrical Code (NEC), or if not covered there, by the applicable, published, recognized standard of the American National Standards Institute (ANSI), or of the industry and of the related engineering society. Example: National Electrical Manufacturers Association (NEMA) and Institute of Electrical and Electronics Engineers (IEEE).

C. Contractor is to follow the most current version adopted for all codes and standards.

PART 3 - EXECUTION

3.01 CUTTING AND PATCHING

A. Carefully lay out all work in advance so as to minimize cutting, channeling, chasing, or drilling of floors, walls, partitions, ceilings, etc. Perform all cutting, channeling, drilling, etc., as required for the proper support, concealment, installation, or anchorage of raceways, outlets, or electrical equipment in a careful manner. Any damage to the building, structure, piping, ducts, equipment, or defaced finish, tile, plaster, woodwork, or metal work shall be repaired by skilled mechanics of the trades involved at the Contractor's expense and to the satisfaction of the Engineer. All cutting, channeling, chasing, or drilling of unfinished masonry, tile, etc., or cutting, drilling, anchoring to or welding of structural members shall be performed in a manner having the Engineer's prior approval. All openings made in fire rated or smoke rated walls, floors, and ceilings shall be patched and made tight in a manner to conform to the fire rating or smoke rating for the enclosure.

B. Where conduits pass through exterior walls, thoroughly caulk with sealant the annular space around the conduit to provide a watertight closure at the interior wall cavity and exterior wall surface. Provide ¼" maximum annular space around the conduit. Provide and install all counterflashing of all conduit, pipe and supports which pierces roofs and other weather barrier surfaces. Verify detail with Architect before installation. All work shall be performed in a workmanlike manner to assure weatherproof installation. Any leaks developed shall be repaired at his expense, to Architect's satisfaction. All waterproofing, flashing and counterflashing shall be compatible with roofing system so as not to void any roof warranties. Confirm installation with Architect and Roofing Contractor.

3.02 SEALING AND FIREPROOFING

A. **SEALING OF PENETRATIONS THROUGH RATED WALLS, FLOORS, CEILING AND ROOF ASSEMBLIES SHALL BE INSTALLED PER UL "FIRE RESISTANCE DIRECTORY." UL SYSTEM NUMBERS INDICATED ARE FOR A PARTICULAR LISTED INSTALLATION AND ARE FOR GENERAL INFORMATION AND INTENT. OTHER LISTED UL SYSTEM DESIGNS MAY BE USED. IN ALL CASES, SUBMIT MATERIALS, UL SYSTEM DESIGN NUMBERS AND UL DETAILS TO BE USED THROUGHOUT THE PROJECT AND IDENTIFY WHICH DETAIL IS TO BE USED FOR EACH SPECIFIC CONDITION. POST REVIEWED DETAIL AT JOB SITE FOR REFERENCE.**

1. Only materials tested in the specific UL System No. may be used.

    a. Caulk Manufacturer:

        1) 3M Type CP-25 W/B + for all assemblies requiring 3M caulk.

        2) For WL3045 and WL3046 use Hilti FS611A sealant.

    b. Steel Sleeve (stud wall) (UL System No. WL1003): Cylindrical sleeve shall be fabricated from minimum 0.019" thick (no. 28 gauge) galvanized sheet steel and having a minimum two inch (2") lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall plus one inch (1") such that, when installed, the ends of the sleeve will project approximately 1/2" beyond the surface of the wall on both sides of the wall assembly. The diameter of the openings cut on each side of the wall assembly (concentric with conduit) to be 2 to 2-1/2" larger than the outside diameter of conduit such that, when the steel sleeve is installed, a 1 to 1-1/4" annular space will be present between the steel sleeve and the conduit around the entire circumference of the conduit. Install sleeve by coiling the sheet steel to a diameter smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum wallboard layers.

    c. Optional Steel Sleeve (concrete or block wall): Except for single insulated cables, provide sleeve cast in floor/wall or mortared into CMU wall; Schedule 40 or heavier, length to extend a maximum one inch (1") from top surface of floor or a maximum of one inch (1") from both sides of wall.

    d. Forming Material: Minimum one inch (1") thickness mineral-wool batt insulation material. Tightly pack into sleeve with minimum 1/2" recess on ends. Manufacturer: Thermafiber Safing Insulation.

2. Firestop system shall be installed at top surface of floor and symmetrically on both sides of wall assemblies and one (1) side of floor.

3. Alternate floor penetration system (with firestop mortar): UL System No. CAJ1032.

4. Wires and Cables:

    a. For gypsum frame wall, single cable: Fireproof per UL System No. WL3001. Opening for cables to be hole-sawed through gypsum wall board layers. Diameter of opening to be 3/8" to 5/8" larger than outside diameter of cable. Cable to be rigidly supported on both sides of wall assembly. Caulk to fill annular space throughout thickness of gypsum wall board layers and apply 1/4" bead of caulk to perimeter of cable at its egress from wall (both sides).

    b. For gypsum frame wall, multiple cables: Use UL system No. WL3021, WL3045, WL3046 or equivalent to maintain rating of wall.

    c. For concrete walls/floors or CMU walls, single or multiple cables: Fireproof per UL System No. CAJ3030. Install sleeve in assembly flush with both sides. Cables to be a minimum of ten percent (10%) and a maximum of thirty-three percent (33%) of cross-sectional area of opening. Recess minimum one inch (1") thickness of mineral wool material into opening

around cables. Caulk openings around cable to minimum depth of one inch (1”). Optional sleeve may be used per UL detail requirements.

5. Reference Architectural for the exact location of all rated walls, floors, ceilings and ceiling/roof assemblies.

6. Materials used in firestop systems shall be installed in accordance with the manufacturer’s written instructions (shall be posted at job site, in General Contractors trailer), provided with materials for specific UL System No.

7. Manufacturers: 3M, Metacaulk, Hilti, BioFireshield or equal.

B. In non-rated walls identified for sound insulation, provide 1/2” space between conduit and sleeve packed with multiple layers of forming material. Allow 5/8” minimum space on each side and caulk with acoustical sealant.

C. **Final condition to prevent passage of fire, smoke, noxious gas and water.**

D. For non-rated electrical/mechanical rooms: Seal all conduit passing through room walls, floors and ceilings with 3M caulk, Type CP-25 WB+.

3.03 WORKMANSHIP AND COMPLETION OF INSTALLATION

A. For the actual fabrication, installation and testing, use only thoroughly trained and experienced workmen completely familiar with the items required and with the manufacturer’s recommended methods of installation. In acceptance or rejection of the installed work, no allowance will be made for lack of skill on the part of workmen.

B. Install all specialties as detailed on plans. Where details or specific installation specifications are not included herein, follow approved manufacturer’s recommendations.

C. Install complete, thoroughly check, correctly adjust, clean, and leave ready for operation all equipment and material connected with this project.

D. Ballasts, contactors, starters, transformers and like equipment which are found to be noticeably noisier than other similar equipment on the project will be deemed defective and shall be replaced.

E. Electrical service stub locations, sizes and quantities for equipment are approximate only. The Contractor must verify all service locations, sizes and quantities with the equipment supplier before rough-in.

F. The Electrical Contractor shall make all final connections to all electrical equipment furnished and set in place by others, including millwork with outlets. The Electrical Contractor shall provide and install all disconnect switches as required.

G. The Electrical Contractor shall provide/install all circuit breakers, power wiring, conduit systems and final connections required for operation of heating cable systems.

H. Provide and install all adjustable mounting brackets, steel bar hangers, T-bar mounting clips, support channels and universal support bridges as required for installation of recessed light fixtures, speakers, alarm devices and other ceiling mounted devices. Ceiling tile shall not be used to support ceiling mounted devices in lay-in ceilings.

I. Provide wood trim for any semi-recessed panels installed. Verify finishes with the Owner/Architect.

J. Provide Hoffman enclosure (#A-244208WFLP) wall mounted at location shown on plans. Provided in enclosure shall be spare fuses, three (3) of each amperage used in project up to 100 amp size and spare smoke detectors (see Section 28 31 00.)

K. Equipment and materials shall be listed by an organization that evaluates products and states that the equipment or material, either meets appropriate designated standards or has been tested and found suitable for a specified purpose or shall be labeled by the manufacturer to indicate compliance with appropriate standards or performance in the specified manner to be used.

1. Listed or labeled equipment and materials shall be applied, installed, connected, erected, used, cleaned, adjusted, and conditioned in accordance with any instructions included in the listing or labeling.

L. The installation shall be performed by licensed, competent workmen to provide a thorough and complete installation.

M. All work shall be accomplished in conjunction with other trades in a manner which will allow each trade adequate time at the proper stage of construction to fulfill his work.

N. Exact locations shall be determined by reference to the general plans and measurements at the building and shall be subject to reasonable change by the Owner's representative without additional cost.

O. Prior to and during construction, provide adequate storage facilities and properly protect items subject to any damage. Failure to comply with this provision will be sufficient cause for the rejection of the particular apparatus involved.

P. At completion, the installation shall be thoroughly cleaned. All tools, equipment, obstructions, temporary power, temporary lighting and debris shall be removed from the premises.

3.04 BALANCING SYSTEM

A. Balance the electrical system between the respective phases of the system. Balance individual circuits in each panel of the system. Where phase assignments or circuit numbers are indicated on the drawing, do not deviate without the Engineer's approval. All deviations shall be noted on panelboard submittals and on Record Drawings and schedules

3.05 COOPERATION WITH OTHER CONTRACTORS

A. Cooperate with other Contractors so that the installation of the electrical materials and equipment may be properly coordinated. Where a conflict occurs with piping, duct work, etc., it shall be resolved as directed by the Engineer.

B. Interferences between conduit and other trades shall be handled by giving precedence to pipe lines requiring grade for proper operation. Where space requirements conflict, the following order of precedence shall generally be observed:

1. Building Lines

2. Structural Members

3. Drainage Waste and Vent Piping

4. Refrigerant Piping

5. Ductwork

6. Water and Gas Piping

7. Electrical Conduit

8. Fire Protection Piping

3.06 COORDINATION OF WORK

A. Each Contractor shall compare his drawings and specifications with those of other Trades and report any discrepancies between them to the Architect and obtain from the Architect written instructions to make the necessary changes in any of the affected work. All work shall be installed in cooperation with other Trades installing inter-related work. Before installation, all Trades shall make proper provisions to avoid interferences in a manner approved by the Architect.

B. Locations of conduit and equipment shall be adjusted to accommodate the work with interferences anticipated and encountered. Exact routing and location of systems shall be determined prior to fabrication or installation.

C. Offsets and changes of direction in all conduit systems shall be made as required to maintain proper headroom and pitch of sloping lines whether or not indicated on the drawings.

D. Where discrepancies in scope of work as to what Trade provides items such as starters, disconnects, flow switches and the like exist, such conflicts shall be reported to the Architect prior to signing of the Contract. If such action is not taken, the various Trades shall furnish such items as part of their work for complete and operable systems.

E. Verify voltage, phases, termination points, termination requirements and required disconnects for all equipment provided as part of this contract or equipment furnished by Owner prior to rough-in. Report any discrepancies to Architect/Engineer.

F. The Contractors are to avoid routing conduit through fire rated assemblies where practical. Each trade is responsible for proper coordination of required sleeves or block-outs with rated assembly installers. Each trade is responsible for providing sleeves, as required, for his work. Each trade shall verify acceptable tolerances around penetrating item in fire assembly before beginning fire sealing.

G. The Electrical Subcontractor shall verify with HVAC, Plumbing and Fire Protection Subcontractors the required electrical characteristics for all motors and equipment before ordering and submitting of electrical gear. Verify actual connection points prior to installation and roughing-in. Mechanical and Electrical Contractor are responsible for coordination of electrical requirements and final fuse sizes of all A/C equipment. When Mechanical Contractor substitutes equipment that requires additions or upgrades to electrical system, he shall bear all costs arising from such substitutions. Reference "Mechanical/Electrical Coordination Sheet" in specifications.

3.07 SAFETY PRECAUTIONS AND PROGRAMS

A. It shall be the duty and responsibility of the Contractor and all of its subcontractors to be familiar and comply with all requirements of Public Law 91-696, 29 U.S.C. Secs. 651 et. seq., the Occupational Safety and Health Act of 1970, (OSHA) and all amendments thereto, and to enforce and comply with all of the provisions of this Act. IN ADDITION, ON PROJECTS IN WHICH TRENCH EXCAVATION WILL EXCEED A DEPTH OF FIVE FEET, THE CONTRACTOR AND ALL OF ITS SUBCONTRACTORS SHALL COMPLY WITH ALL REQUIREMENTS OF 29 C.F.R. SECS. 1926.652 AND 1926.653, OSHA SAFETY AND HEALTH STANDARDS.

3.08 OPERATING AND MAINTENANCE MANUALS

A. Provide one (1) Operation and Maintenance manuals for training of Owner's personnel in operation and maintenance of systems and related equipment in the manner described elsewhere in these specifications. In addition, organize manuals and include data and narrative as noted below (bind each manual in a hard-backed loose-leaf binder. Use 8-1/2" x 11" white paper). Provide PDF copy of O&M for owner records

B. Operating Sequence and Procedures:

1. Contents: In each chapter, describe the procedures necessary for personnel to operate the system and equipment covered in that chapter.

2. Typewritten Operating Procedures: Write procedures for start-up, operation and shutdown.

a. Start-up: Give complete step-by-step instructions for energizing equipment, making initial setting and adjustments whenever applicable.

3. Shutdown Procedures: Include instructions for stopping and securing the equipment after operation. If a particular sequence is required, give step-by-step instructions in that order.

C. Maintenance Instructions:

1. Provide a schedule of preventive maintenance for each product. Recommend frequency of performance for each preventive maintenance task: i.e., cleaning, inspection, etc.

D. Manufacturer's Brochures: Include manufacturers' descriptive literature covering all appurtenances used in each system, together with illustrations, exploded views and renewal parts lists. Provide the nearest manufacturer's representatives name, address and phone number.

E. Shop Drawings: Provide two copies of all corrected, approved submittals and shop drawings covering equipment for the project either with the manufacturer's brochures or properly identified in a separate subsection.

F. Spare Parts Lists: Include a list of all equipment furnished for the project, with a tabulation of descriptive data of all the spare parts proposed for each type of equipment or systems. Properly identify each part by part number and manufacturer.

3.09 IDENTIFICATION

A. Equip the following items with nameplates:

1. Motor Starters
2. Main Switchboard and Overcurrent Devices and Spares
3. Panelboards and Branch Circuits
4. Safety Disconnect Switches
5. Contactors
6. Control/Power Equipment in Separate Enclosures Including Relays
7. Bypass Switches and Transfer Switches
8. Emergency Generator Sets
9. UPS System and Battery Racks
10. Motor Control Centers
11. Transformers

B. No dymo (stick on indented plastic) type label will be permitted.

C. Identify equipment listed above. COORDINATE EQUIPMENT NUMBERS WITH MECHANICAL AND/OR KITCHEN PLANS. Each piece of equipment shall be numbered consistently throughout.

D. Fabricate nameplates as follows:

1. Provide three (3) ply, 1/16” laminated plastic nameplate material with white core for lettering and black background. All nameplates, for equipment powered from emergency circuits, shall have white core for lettering and red background.
2. Use capital letters.
3. Unless otherwise indicated, provide minimum 3/4” high x 2” long nameplates with 1/4” letters.
4. All labels shall be permanently affixed to the front of all required equipment using two (2) round head self tapping screws. Self-adhesive labels are not acceptable. Align labels with equipment.

E. All junction boxes shall have the panel/circuit number(s) identified on the blank coverplate, handwritten with a permanent black marker. Disconnects, combination motor starter/disconnects and manual motor starter shall have the panel/circuit number(s) identified on the inside of the front cover, hand written with a permanent black marker.

F. Provide engraved coverplates for all switches and control devices which are not otherwise clearly related to the equipment they serve.

G. Label all receptacles and light switches with circuit number using electronic labeler (black on clear). Install label level on front of face plate for receptacles and back side of face plate for light switches.

H. Spray paint J-Boxes red for Fire Alarm System. All other special systems J-Boxes to be painted white.

I. Color code all 600 volt insulated conductors by installing conductors with factory colored insulation for conductors No. 10 AWG and smaller.

J. Install colored tape on all 600 volt conductors No. 8 AWG and larger. Apply tape 6 inches from terminal points. Do not cover factory applied cable identification markings with taping; tape locations may be adjusted slightly to prevent the covering of factory markings. Tape shall be Scotch No. 35 or approved equal, 7-mil thick by 3/4" wide vinyl adhesive tape.

K. Install engraved plastic laminate nameplates as listed below.

EQUIPMENT	LETTERING SIZE	INFORMATION
Switchboards, Panelboards, MCCs and other distribution system overcurrent devices	1/4" / 1/8"	Switchboard name designation, ampere rating of the supply conductors, voltage characteristics, power source and room number(s). EX: MDP, 1900A, 480Y/277V, Served from Utility EX: HVA, 175A, 480Y/277V, source DP-1,3,5. in Room 100.
Transformers	1/4" / 1/8"	Transformer name designation, load served, power source and room number(s). EX: Trans. TR-1, serves PANEL LV-1, source DP-7,9.11 in Room 203.
Remotely mounted Safety Switches and Starters	1/8"	Load served, power source and room number(s). EX: HWP-1, HVA 37,39,4 1 in Room 203. EX: PANEL LV-2 in Room 303, source TR-2.
Contactors	1/8"	Load served, power source and room nember(s). EX: Room 502, Science Lab, LVA 31,33 35, 37,39,4 1. EX: Building security lights, HVA 2, 4. EX: Parking lot lights, HVA 6, 8, 10.

L. Prepare a neatly typed panelboard circuit directory. Identify all circuits by the equipment served and by the room number, room numbers may be different from those shown on drawings. Verify room numbers prior to typing directories. Indicate spares and spaces with light, erasable pencil marking.

3.10 TESTING

A. Test and record results for all power feeders for Megger Readings, including phase to phase and phase to ground as recommended by the cable manufacturer.

B. Measure and record service ground resistance.

C. For equipment having ground-fault protection the ground-fault protection system shall be performance tested when first installed on site. The test shall be conducted in accordance with instructions which shall be provided with the equipment. A written record of this test shall be made and shall be submitted to the Engineer and a copy put in the Operation and Maintenance Manuals.

3.11 CERTIFICATE OF COMPLETION

A. Submit, at time of request for final inspection, a completed letter in the following format:

I, (Name) , of (Firm) , certify that the electrical work is complete in accordance with Contract Plans and Specifications, and authorized change orders (copies attached) and will be ready for final inspection as of (Date). I further certify that the following specification requirements have been fulfilled:

1. Megger readings performed, six (6) copies of logs attached.

2. Ground tests performed, six (6) copies of method used and results attached, including service ground readings and ground fault test results.

3. Operating manuals completed and instructions of operating personnel performed for all systems, (Date) , (Signature, Owner's Representative).

4. Record drawings up-to-date and ready to deliver to Engineer.

5. Fire alarm system final connections, check-out and start-up completed on (Date) by (Signature, Factory Authorized Representative and Trained Technician) .

6. All other tests required by Specifications have been performed.

7. Final clean-up is completed.

8. All systems are fully operational.

Signed:_____

3.12 SITE OBSERVATION

A. Periodically, the Engineer will visit the site and review the construction progress. Field Reports will be issued noting any discrepancies or items that do not meet the intent of the contract documents found during said site visit. The contractor must answer each item listed on each field report, item by item.

B. It shall be the duty of the Contractor to personally make a careful inspection trip of the entire project, assuring himself that the work on the project is ready for final acceptance before calling upon the Owner, Architect or Engineer to make final acceptance of the work. Subsequent trips required because of Contractor's failure to do so, will be made at Contractor's expense, billed at current Engineer's hourly rates.

C. The final acceptance of the work will be made jointly by the Architect and the Owner.

D. Time spent for Investigation/Site Trips due to Contractor lack of installation capabilities/skills or knowledge is not part of Engineer's scope. Therefore time spent assisting contractor in these matters or problems that arise due to these matters will be billed to Contractor. Engineer will bill the contractor at the current hourly rates of the Engineer. These fees will be paid in full prior to release of contingency.

3.13 DURING FINAL INSPECTION

A. Demonstrate installation to operate satisfactorily in accordance with requirements of Contract Documents.

B. Should any portion of installation fail to meet requirements of Contract Documents, repair or replace items failing to meet requirements until items can be demonstrated to comply.

3.14 CLOSE-OUT DOCUMENTS:

A. Furnish three signed letters of guarantee.

1. Clearly and individually, document all material, equipment and service guarantees beyond a single year.

B. Furnish one original and two copies, of a statement from the inspecting authority stating that the installation has been accepted and approved.

C. Furnish one reproducible, two copies and an electronic “AutoCad” version, of complete, full-size sets of drawings showing conduit locations by accurate dimensions from permanent structures.

1. **“Record** Drawings” are to include:

a. A sheet legend shall be present on the 1st sheet of the required set which identifies each sheet making-up the set.

b. Site plan(s) with primary and secondary electric power and communication lines to the property line (may be a civil sheet).

c. Site plan(s) with all underground conduits to other buildings, structures, fixtures and equipment.

d. Marked-up electrical plans and schedules.

D. Furnish three complete sets of overload settings and motor data records.

E. Furnish three complete sets of the electrical testing results.

F. Furnish three complete sets of the power system study final report.

G. Furnish all manufacturer’s software if required for start-up or modifying products furnished.

H. Furnish two complete sets of the AC Drive’s comprehensive manual that includes operation, programming, diagnostics, applications, wiring diagrams, layout diagrams, and outline dimensions.

1. Identify each AC Drive’s model number on a cover sheet.

I. All major Owner training sessions to be videotaped in non-pixelated video in Windows file format.

MEP/ENERGY CONSULTANTS

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COMMISSIONING • FIELD INVESTIGATIONS

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PRE-CONSTRUCTION INSTRUCTION SHEET

Submittal/RFI Requirements

A. 'Individual submittals' means separate submittals with unique submittal numbers. One single giant PDF will be rejected.

B. 2 Submittal CATEGORIES (Reference Specifications)

a. Not required unless deviating from specification

b. PDF allowed.

PDF SUBMITTAL/RFI FILE TITLE REQUIREMENT:
For submittal sections listed below as allowed pdf's the following requirements must be met or the submittal will not get through email security and will be auto-deleted and not checked. Each pdf submittal must be a separate pdf file.

PDF FILE: MUST BE NAMED AS FOLLOWS:
JOB NAME – SUBMITTAL No. XX – SUBMITTAL DESCRIPTION
JOB NAME – RFI No. XX – RFI DESCRIPTION

Example: Texas ISD ES No. 2 – Submittal 8 – Plumbing Fixtures
Example: Texas ISD ES No. 2 – RFI 3 – Library Light Fixture Mounting Height

EMAIL TITLE/SUBJECT REQUIREMENTS:
Emails without Job Name and proper format will not get through email security and will be auto-deleted and not checked.

JOB NAME – SUBMITTAL No. XX – SUBMITTAL DESCRIPTION
JOB NAME – RFI No. XX – RFI DESCRIPTION

C. If submittals are submitted early relative to construction phasing, submittals may be held, reviewed and returned at the appropriate time for construction phasing, not necessarily 2 weeks. In some cases, if submittals are received vastly out of order of construction, submittal may be rejected.

D. Time Critical Submittal Coordination Items

Mechanical to provide to General Contractor for Structural Roof Coordination

a. Mechanical to provide roof opening shop drawing as early as possible for structural coordination. Per specifications.

Mechanical to provide to General and Electrical Contractors for Gear Coordination

b. Mechanical to complete "MECHANICAL/ELECTRICAL COORDINATION SHEET" prior to electrical gear submittals for coordination with electrical contractor. Per specifications.

E. **Do not submit non pre-approved substitutions during submittal time. These submittals will be automatically REJECTED. Substitution Pre-approval was at bid time.**

F. **Review time for multiple resubmittals of non-approved equipment will result in Contractor being billed for review time that is not part of Engineer's Scope. Engineer will bill Contractor at Engineer's Current hourly rates.**

G. **Email of all Submittals/RFI's must go directly to Architect. Do not Copy Engineer.**

H. **Engineer is not the Contractors plan reference resource. Do not submit an RFI until drawings and specifications have been reviewed first. If the answer is clearly on the drawings the response will be "The answer is clearly on the drawings, Engineer is not the Contractors plan reference resource."**

I. **Call before submitting a written RFI.**

J. **All formal Job emails must come from Architect.**

K. **Do not email send recurring jobsite meeting requests to Engineer. Engineer does not attend all weekly meetings. Architect will coordinate when Engineer is to be required at job site for specific meetings.**

Shop Drawings and Cad Files

A. Contractor Shop Drawings must use Architectural Backgrounds and Architectural RCP's (when available or lighting floorplan) and **Mechanical Contractor Shop Drawings** for coordination purposes. Do not request MEP floorplans, this will be cut and paste into an email for you to read. Engineer cannot send architectural backgrounds.

B. If no Architectural RCP is available for light locations. Lighting Floorplans will be released.

C. Mechanical Floorplan will be released to Mechanical Contractor for aid in production of his own shop drawings. HCE mechanical drawings may not be submitted as shop drawings.

D. Fire Alarm, Sprinkler, Intercom etc. all to use Architectural Backgrounds, must be obtained from Architect.

E. Schedule and Details sheets will not be released.

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SUBSTITUTION REQUEST

FROM: DATE:

PROJECT:

RE:

The following has been submitted for consideration on the aforementioned project:

Specification Title, Section, Page and Article/Paragraph:
Drawings and Details Affected:
Proposed Substitution/Description:
Installer's Name:
Manufacturer's name:
☐ Point by Point Comparative Data attached - REQUIRED BY A/E (_____# of pages including cover)

Why is Substitution Being Submitted?

☐Pre-Bid Substitution (Prior Appoval): Include detailed analysis comparing proposed substitution against specified product, including redlined Specifications showing differences or deviations.
☐Specified product is not available. Explain in detail as attachment.
☐Cost Savings to Owner. Indicate comparative cost analysis as attachment.
☐Other. Explain.

Effects of Proposed Substitution?

(Attach complete explanations and technical data, including laboratory test, if applicable.) Include complete information changes to Drawings and/or Specification that proposed substitution would require for its proper installation. Fill in blanks below:

A. Does substitution affect dimensions shown on drawings? ☐No ☐Yes
B. Will undersigned pay for changes to building design, including engineering and detailing costs caused by requested substitution? ☐No ☐Yes
C. What affect does substitution have on other trades?
D. Differences between proposed substitution and specified item?
E. Indicate how proposed substitution meets LEED requirements. (if applicable)
F. Manufacturer's guarantees of proposed and specified items are:
☐Same ☐Different (explain on attachment)

The Contractor and Subcontractor certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respectes to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Similar maintenance service and source of replacement parts, as applicable is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted By: (name, address, telephone and contact person of manufacturer and installer of proposed substitution)

For A/E Use: SR# _____

☐Accepted ☐Accepted as Noted
☐Not Accepted ☐Received Too Late
☐Incomplete Information
☐No Substitutions Accepted
Reviewed by/date:
Comments:

Subcontractor's signature and date:

Contractor's signature and date:

COPY TO:
☐FILE ☐OWNER ☐CONTRACTOR
☐ENGINEER ☐_____

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MECH / ELEC EQUIPMENT COORDINATION SHEET

(THIS IS REQUIRED – NOT OPTIONAL)

MARK #	UNIT TYPE	MANUFACTURER'S RECOMMENDED MOCP	VOLTAGE	PHASE	MARK #	UNIT TYPE	MANUFACTURER'S RECOMMENDED MOCP	VOLTAGE	PHASE

END OF SECTION

SECTION 26 05 10 - SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 DESCRIPTION

A. The Contractor shall breakdown the final Schedule of Values to be used for pay application into the following minimum categories.

B. ALL CATEGORIES SHALL HAVE APPROPRIATE MATERIAL AND LABOR BREAKDOWN.

C. Definitions:

1. Service: Conduit for utility company and conduit and wire from utility transformer to main switchboard.

2. Feeders: Include all conduit and wire serving transformers and panelboards.

3. Branch Circuit: Any circuit from a panelboard to a utilization device.

4. Gear: Main switchboard, panelboards, transformers, disconnects, etc.

5. Site conduit voice/data.

1.02 SCHEDULE OF VALUES

A. Mobilization

B. Utility Company Fees

C. Service - Wiring and Conduit

D. Site Light Fixtures, Wiring and Conduit

E. Gear

F. Site Lighting Fixtures

G. Branch Circuit - Wiring and Conduit

H. Feeders - Wiring and Conduit

I. Testing/Labeling of Equipment

J. Record Drawings and O&M Manuals ($1500 minimum)

END OF SECTION

SECTION 26 05 19 - WIRE AND CABLE

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provide a complete system of conductors in raceway systems as shown on the drawings and hereinafter specified. Route all wire through an approved raceway unless otherwise indicated, regardless of voltage application.

B. Provide 200% neutral conductors to all panels with 200% neutral specified. Reference Panel Schedules.

C. Provide individual neutrals for each circuit, no shared neutrals allowed.

D. **No de-rating of neutrals allowed.**

1.02 STANDARDS

Provide conductors in accordance with the applicable sections of UL and IPCEA Standards.

1.03 SUBMITTALS

A. Furnish Engineer shop submittals for each type of wire and cable.

B. Provide shop submittals which includes the following information:

1. Insulation type.

2. Insulation temperature rating.

3. Manufacturer

PART 2 - PRODUCTS

2.01 MATERIALS

A. Wire and Cables: (600 Volts)

1. Provide copper wire and copper ground conductors **only**. Conductors shown on plans are thusly sized. **No aluminum conductors** will be allowed unless specifically noted.

a. Minimum wire size for branch circuits shall be #12, however, #14 may be used for motor control circuits where specified on the drawings.

b. All conductors #12 and smaller shall be solid and #10 and larger shall be stranded.

2. Provide copper conductors of annealed, 98 percent conductivity soft drawn copper. Provide stranded conductors for control circuits.

B. Metal clad cable shall not be acceptable except from junction box to light fixture, maximum 6 feet in length.

C. Metal-clad cable shall not be acceptable for receptacles.

D. Insulation: (600 Volts)

1. Provide all conductor insulation types rated for wet and dry locations and approved by the National Electrical Code for the particular application. Provide all wire and cable with the following (or better) insulation classes:

   a. All feeders and branch circuits are to be dual-rated Type THHN/THWN **copper** conductors.

   b. Insulation rated for operation at 600 volts.

   c. In areas where the temperature will exceed 167^{O}F, provide wire rated 105^{O}C. minimum and a type approved by the local code. Include any wiring within three feet (3') horizontally or ten feet (10') above any heating appliance.

2. Color code in accordance with the wiring diagrams furnished with equipment. All wiring for control systems to be installed in conjunction with mechanical and/or miscellaneous equipment. Color code by line or phase all branch circuit wiring including circuits to motors and feeders as follows: Wire No. 10 and smaller shall be factory color coded. Wire No. 8 and larger may be color coded by color taping within six inches (6") of exposed ends. **Color coding for each nominal voltage shall be consistent throughout building from point of origination to the termination point including tap conductors to luminaire. Mixing of colors between voltages will not be allowed.**

<u>120/240 Volts</u>

Phase A - Red
Phase B – Black
Phase C - Orange
Neutral - White
Ground - Green
(Orange is High Leg)

E. Wire and Cable: (50 volts or less)

1. Provide copper wire, minimum size #18 AWG for controls, #18 AWG minimum for fire alarm and #20 AWG minimum for communications. All wire and cable shall be solid. Stranded conductors are not acceptable.

2. All conductors shall be routed in conduit or shall have an insulation approved for plenum installation, unless otherwise noted.

F. ROMEX not allowed.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Unless otherwise indicated wiring size noted on the drawings extend for the entire length of a circuit. Install wire in raceways in strict conformance with the manufacturer's recommendations. Use a UL approved wire-pulling lubricant. Strip insulation so as to avoid nicking of wire.

B. Wire Connections and Devices:

1. Provide all terminating fittings, connectors, etc., of a type suitable for the specific cable. Make all fittings up tight. Make up all terminations in strict conformance with manufacturer's recommendations using special washers, nuts, etc., as required.

2. Connect No. 8 and larger wire to panels and apparatus with properly sized, solderless, or compression lugs or connectors.

3. Join No. 10 and smaller wire by twisting tight and applying UL listed twist-on connectors.

4. Leave at least an eight inch (8") loop of wire for ends at each outlet box for the installation of fixtures or devices.

C. Flashover or insulation value of joints shall equal that of the conductor. Provide connectors rated at 600 volts for general use and 1000 volts for use within fixtures.

D. Grouping shall be 3 Hots and 3 Nuetrals or 6 Hots max. Derating shall be based on the 90 degree chart of NEC 310-16 and table 310.15 (B)(2)(2).

E. Where the distance between the supplying panel and the first branch circuit receptacle, light fixture or equipment is more than 100 feet, upsize wire to allow for maximum of 3% voltage drop for actual routing of conduit to device.

F. Wiring for emergency systems shall be kept entirely independent of all other wiring and equipment as required by Article 700 of the NEC.

G. Mechanically protect conductors by installing in raceways. Do not install the conductors until raceway system is complete and properly cleaned. Use an approved wire-pulling compound when pulling conductors. Wiring pulling compound shall be listed and as recommended by the conductor manufacturer. Do not bend any conductor either permanently or temporarily during installation to radii less than four times the outer diameter of the insulated conductors. Do not exceed manufacturer's recommended values for maximum pulling tension.

H. Pull conductors simultaneously where more than one conductor is being installed in the same raceway.

I. Use pulling means including fish tape, cable, rope and basket weave wire/cable grips which will not damage cables or raceway.

J. Tighten electrical connectors and terminals, including screws and bolts, in accordance with manufacturer's published torque tightening values. Where manufacturer's torquing requirements are not indicated, tighten connectors and terminals to comply with tightening torques specified in UL Standard 486A.

K. Neatly and securely bundle all conductors in enclosures using nylon straps with a locking hub.

L. At least 6 inches (measured from the finished surface) of each conductor shall extend outside a box's opening.

3.02 SPLICES AND TERMINATIONS

A. Splices shall be kept to a minimum.

B. Splices shall be made in junction and/or pull boxes.

1. Splices in conduit fittings (i.e., conduit bodies), and in panelboards are not acceptable.

C. All materials shall prevent corrosion or electrolysis between dissimilar metals.

D. Use terminal blocks within a junction box for all splices of No. 6 and larger conductors.

E. Use mechanical, crimp or compression type connectors for terminations of stranded conductors.

3.03 CONDUCTOR SIZING

A. Install conductor size required by the more stringent requirements of the drawings or specifications.

B. Install No. 10 AWG conductors the entire length of the circuit for single-phase, 120-volt, 20-ampere branch circuits for which the distance from panelboard to the first outlet is more than 100 feet.

C. Install No. 10 AWG conductors the entire length of the circuit for single-phase 277 volt, 20-ampere branch circuits for which the distance from panelboard to the first outlet is more than 200 feet.

D. General use circuit numbers may be changed. Equipment circuits have numbering to balance loads. This contractor is responsible for maintaining a balanced load and recording the actual circuit numbers.

E. Comply with ampacity adjustment factors as required by the NEC Article 310-16.

3.04 TESTING

A. Prior to energizing feeders, perform insulation resistance tests at 500 Volts D.C. for 30 seconds on each cable with respect to ground and adjacent cables. Maintain the following log for feeder tests:

FEEDER DESCRIPTION:_____

TESTER'S NAME:_____

TEST INSTRUMENT SERIAL #:_____

TEST DATE:_____

RESISTANCE:

A-B	A-C	A-G	B-C	B-G	C-G

B. Test all circuits for proper neutral connections.

C. Upon completion of all testing, prepare a detailed report of all voltage and insulation resistance measurements. Deliver report to Engineer with request for final inspection.

END OF SECTION

SECTION 26 05 26 – GROUNDING AND BONDING

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provide a complete grounding system in strict accordance with Article 250 of the National Electrical Code and as hereinafter specified and shown on the Drawings.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Provide copper clad 5/8" x 8 ft. - 0" long ground rods, appurtenances, bonding plates, clamps, connectors and grounding conductors as required. Furnish rods to which the copper cladding is permanently and inseparably bonded to a high strength steel core.

2.02 CONNECTORS

A. Provide exothermic weld type ground connections for concealed, underground, and concrete encased ground connections.

B. Exposed connections may be made with copper or bronze bolted or compression lugs.

2.03 INTER-SYSTEM GROUNDING BUS-BAR (communications)

A. Provide surface mounted terminal blocks sufficient to except 20 individual conductors of sizes 14 AWG thru 4 AWG.

2.04 CONDUCTORS

A. Furnish copper conductors.

B. Furnish 600-volt, insulated conductors for equipment grounding.

C. Size the system grounding electrode conductors to comply with NEC section and table 250-66, unless shown larger.

D. Size the main and separately derived system bonding jumpers to comply with NEC section 250-28 (D).

E. Size equipment grounding conductors to comply with NEC section and table 250-122, unless shown larger.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Properly ground all service equipment conduit systems, supports, cabinets, equipment, motor frames, fixtures, etc., and the grounded circuit conductor in accordance with the latest issue of the National Electrical Code. Provide all bonding jumpers and wire, grounding bushings, clamps, etc., as required for complete grounding. Route ground conductors to provide the

shortest and most direct path to the ground electrode system. Bond conduit if made of current conducting material. All ground connections shall have clean contact surfaces. Bond the service equipment to a grounding electrode as shown on the Drawings.

B. Provide a grounding type bushing for all feeder and branch circuit conduits which do not have a grounding conductor and individually bond this raceway to the enclosure's ground bus or lug.

C. Provide a grounding type bushing on the end of each isolated section of metal conduit and bond the conduit to the equipment grounding conductor, or using a conductor of the same size, bond directly to the equipment ground buss of the equipment at the end of the run.

D. Make single or dual connections to ground rods, plates, and other buried connections by the exothermic process (Cadweld) or Burndy Hyground TM Compression Systems and "hammer tested" to insure that a good bond has been made. Alternatively, all below grade compression grounding systems must meet all UL467, CSA, IEEE837 test requirements and conform to the National Electrical Code Standards. The material at the connectors shall be pure wrought copper extrusions, rod and seamless tubing and be identical material to the conductor. Connectors must be of heavy duty design and be of range taking design to accept conductor ranges of #6 solid to 500 Kcmil plus 5/8" ground rods. Compression connectors need to be compressed with system engineered tooling which makes a circumferential or round crimp. Hex crimp is not acceptable due to sharp flashes and spurs that may occur. Each connector must be clearly marked with catalog number, conductor size and installation die information. Inspection ports must be provided on lug terminations and splices. The system must emboss all the appropriate die index numbers on all connectors after completion of the crimp. Connectors must be prefilled with penetrox copper type oxidation inhibitor and be individually sealed in clear polyethylene sheet to keep out dirt and contamination.

E. Drive grounding electrodes as required. Where rock is encountered, grounding plates of copper, 1/4-in. x 24-in. x 24-in may be used in lieu of grounding rods. Plates must be installed at 36" minimum below finished grade.

F. Connect grounding electrode conductor to building steel and metallic waterline per NEC 250-81. Allow a minimum of 25 feet of grounding conductor in foundation footing and make 3 connections to Rebar. Connections shall utilize an acceptable compression method with connectors listed for contact with respective metal types.

G. Provide a grounding terminal pad in all panelboards, switchboards, and other electrical equipment.

H. Directly ground to the work piece welding machines used in construction. The use of the building or equipment steel or conduits of any kind as a common ground point is not allowed under any conditions. Contractor is responsible for any electrical pieces of equipment damaged by not using the welder grounding method described above.

I. Provide a green insulated grounding conductor in all conduit serving receptacles and/or equipment. Refer to panelboard schedules for sizing.

J. Ground all receptacles to outlet box with a conductor.

K. Flexible conduit will not be allowed as a grounding means.

L. Install metallic fittings on clean contact surfaces to ensure electrical conductivity.

M. Tighten connectors, terminals, screws and bolts, in accordance with manufacturer's published torque tightening values or comply with torque tightening values specified in UL 486A to assure permanent and effective grounding.

N. Apply a corrosion-resistant finish to places where factory applied protective coatings have been damaged.

O. Protect all exposed, grounding electrode conductors with Schedule 40 PVC nonmetallic conduit.

1. Grounding electrode conductors shall not be protected with metallic materials.

3.02 GROUNDING ELECTRODE SYSTEM

A. At each building's service or disconnecting means install a grounding electrode system which includes;

1. A concrete encased electrode connected to the concrete reinforcing bars and;

2. The building structural steel and;

3. The building's metal underground (10 ft.) water pipe.

a. This connection must be within the first 5 ft. of the water pipe's entrance into the building. Water piping cannot be the sole ground and must be supplemented.

4. Other electrodes such as a rod, plate or ring may be used to supplement but cannot be used as a substitute.

B. At each grounded separately derived system install a grounding electrode conductor to connect the grounded (XO-neutral) conductor to;

1. The nearest one of the following electrodes:

a. An effectively grounded structural steel member or;

b. An effectively grounded metal underground (10 ft.) water pipe.

1) This connection must be within the first 5 ft. of the water pipe's entrance into the building.

2. If neither of these is available, install a 3/0, copper, common grounding electrode conductor from the building's service or disconnecting means. Connect taps from this common grounding electrode conductor to the separately derived system's grounded (XO-neutral) conductor.

3.03 SYSTEM BONDING

A. SERVICES

1. Install a main bonding conductor between the service ground bus and the grounded (neutral) bus-bar.

B. SEPARATELY DERIVED SYSTEMS

1. Install a bonding jumper between the equipment ground bus and the separately derived electrical system's (transformer, UPS, central battery/inverter or generator) grounded (XO-neutral) bus.

3.04 ADDITIONAL BONDING

A. Install 3/0 AWG bonding jumpers around all structural metal expansion joints.

B. Each building's interior metal water piping system which does not qualify to be used as a grounding electrode shall be bonded to the building's service or disconnecting means.

C. Bond the grounded (XO-neutral) conductor of each separately derived system to the nearest available point of the interior metal water piping system(s).

1. When the structural steel is being used as the grounding electrode for the separately derived system the interior metal water piping system(s) may be bonded to the structural steel.

D. Install bonding jumpers around raceway expansion joints.

E. Install bonding jumpers around insulated water pipe joints.

F. Install a bonding jumper between all grounding electrodes used for communications, radio and television or antenna systems and the building's grounding electrode system.

3.05 COMMUNICATION GROUNDING

A. Provide a surface mounted, inter-system grounding bus-bar at the service equipment or a separate building's disconnecting equipment and in each communications room.

B. At the service or separate building's disconnecting means, provide an insulated 6 AWG, stranded conductor to connect the inter-system grounding bus-bar to the equipment ground bus.

C. At communications rooms, provide an insulated 6 AWG, stranded conductor to connect the inter-system grounding bus-bar to the building's structural steel.

3.06 EQUIPMENT GROUND

A. Raceways shall not be used as the sole equipment ground.

B. Bond the equipment grounding conductors to all boxes and enclosures.

C. Each receptacle shall be bonded to its respective device box. The connection shall be made by means of a bonding jumper between the device and the box. Where the receptacle mounting yoke is designed and listed for the purpose of grounding; the bonding jumper may be omitted. This does not substitute for the need of grounding the outlet box.

D. Each isolated ground receptacle shall have an isolated ground conductor installed complete from receptacle to the isolated ground bus in the panelboard. No other grounding connections shall be made to these receptacles, specifically connections to the device box or raceway system.

3.07 TESTING

A. Following completion of installation, test system ground for continuity and test resistance to ground by “fall of potential” method and all feeders or sub-feeders with appropriate meggers, or other approved instruments and methods, to determine ground and insulation resistance values.

B. Submit logs of values obtained, nameplate data of instruments used and instrument calibration data prior to final inspection. Instruments used are subject to acceptance.

END OF SECTION

SECTION 26 05 33 - RACEWAYS

PART 1 - GENERAL

1.01 SCOPE OF WORK

Provide a complete conduit system as shown on the drawings and as hereinafter specified.

1.02 STANDARDS

Conform with the latest requirements of the NEMA, the National Electrical Code, and be UL listed.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Rigid Metal Conduit (RMC): Hot-dip galvanized, threadable steel raceway, galvanized after fabrication. Fittings shall be malleable iron, either cadmium plated or hot-dip galvanized.

B. Intermediate Metal Conduit (IMC): Conduit shall be similar to rigid steel conduit except thinner wall. Fittings shall be malleable iron, either cadmium plated or hot-dip galvanized.

C. Electrical Metallic Tubing (EMT): EMT shall be made of hot-dip galvanized strip steel. Fittings shall be die cast compression or set screw type.

D. PVC - Schedule 40 and Schedule 80 polyvinyl chloride conduit (PVC Duct) shall be UL rated. Conduit fittings and cement shall be produced by the same manufacturer and approved for such use.

E. Flexible Metal Conduit (FMC): Spirally wound continuously interlocked zinc coated strip steel. Fittings shall be die cast zinc, either screw-in or squeeze type.

F. Flexible Conduit (LFMC): Liquid-tight (vibration and/or wet areas) fabricate from continuous lengths of spirally wound galvanized steel strip interlocked with a gray polyvinyl chloride cover extruded over the core to make the conduit liquid tight, oil proof and bendable to a small radius. Fittings shall be compression type, die cast zinc, with insulated throat.

G. Metal-Clad Cable (MC): Galvanized interlocking steel armor. 600 volt, type THHN/THWN, integrally colored insulation. Size #12 AWG or #10 AWG, copper conductors. Fittings shall be listed for MC usage and include anti-short bushings. Reference Section 3.03 for acceptable uses.

H. Metal Wire-ways.

1. Furnish with wire retainers on not less than 12 inch centers. All screws installed towards the inside shall be protected to prevent possible wire insulation damage.

2. The finish shall be the manufacturers' standard color and shall consist of not less than two coats of enamel over a rust-inhibiting prime coat.

I. Surface Metal Raceway (2000 series).

1. Surface metal raceway shall consist of a single compartment base, blank cover, and appropriate fittings to complete the installation per the electrical drawings.

2. The base and cover shall be manufactured of steel and finished with a white color.

3. Approximately ¾" deep, 1 ¼" high and 5' sections.

J. Non-Metallic Multi-outlet Assemblies (5400 series).

1. Surface raceway system shall consist of a dual compartment raceway base, twin cover, appropriate fittings, outlets and device mounting plates necessary for a complete installation.

2. Duplex receptacles and data outlets ("activate connectivity inserts") mounted at 24" centers or as noted on plans. Connect adjacent receptacles on alternate circuits.

3. Approximately 1 ¾" deep, 5 ¼" high and 8' sections with equal compartments.

4. The finish shall be white color and shall consist of not less than one coat of enamel over a prime coat.

PART 3 - EXECUTION

3.01 GENERAL INSTALLATION REQUIREMENTS

A. Raceway and cable usage and installation shall conform to the appropriate article of the National Electrical Code (NEC), as a minimum.

B. Do not install conduit that is crushed or deformed in any way.

C. Provide a nonmetallic (nylon, polypropylene, or approved equal) drag line of suitable strength in spare conduits and telephone conduits. Tightly plug spare conduits at both ends.

D. Do not pull wire into conduit system until the conduit system is complete in all details; in the case of concealed work, until all rough plastering or masonry has been completed.

E. No wiring systems of any type shall be installed in ducts used to transport dust, loose stock, or flammable vapors.

F. No wiring system of any type shall be installed in any shaft containing ducts used for vapor removal or for ventilation of commercial-type cooking equipment.

G. Fasten and support the wiring method employed to the permanent structure using listed straps with corrosion resistant hangers and fasteners.

H. Ceiling system wires or lay-in type ceiling grid components shall not be used as a means of support.

1. Independent support wires and associated fittings which are installed in addition to the ceiling system support wires, shall be permitted: (300.11.A)

2. Independent wires within the cavity of a fire-rated floor–ceiling or roof–ceiling assembly shall be distinguishable by color. (300.11.A.1)

3. Independent support wires that provide support for device boxes shall be secured at both ends. (300.11.A).

I. Bends shall be made with factory elbows or field bent. Field bends shall be made using equipment designed for the particular raceway material and size. Bends shall be free from dents or flattening.

J. Conduit bodies may be used in lieu of conduit elbows where covers will be accessible and ease of installation and appearance warrants their use.

K. Install expansion-deflection fittings where raceways cross structural expansion joints or where required to compensate for thermal expansion and contraction. Install bonding jumpers across expansion-deflection fittings in metal raceway systems.

L. Openings through fire-resistant-rated or sound-resistant-rated walls, partitions, floors or ceilings shall be fire-stopped by installing raceways or cables through sleeves set through the walls, partitions, floors or ceilings and fire-sealing all openings and voids around the sleeves, raceways and cables.

M. Do not drill or pierce structural steel members under any circumstances without the Engineer’s specific approval.

N. Minimize roof penetrations by routing conduit through the equipment roof opening. If roof penetration is necessary, coordinate with the Architectural Specifications and penetrate as directly below the equipment disconnect or wiring connection point as possible. Do not use flexible conduit in a pitch pan.

O. Arrange all conduits to drain away from the building.

P. Perform all necessary excavation and backfilling. Tamp backfill in six inch (6”) layers to original grade, moistening as required for proper compaction. All backfilling shall be free from harmful materials. Provide shoring, bracing, and de-watering as necessary. Remove all excess and materials not suitable for backfill from the site. Provide barricades to prevent endangering the public. Provide warning beacon lighting at night to adequately mark all excavations.

Q. A tracer tape wire shall be installed in all trenches which do not contain conductive conductors within them. This will include future use raceways, optical fiber, etc.

R. Raceway systems shall be complete before installing conductors.

S. The interior of all raceways shall be cleaned before installing conductors.

T. Terminate future use raceways with a capped coupling within an accessible area.

U. Workmanlike manner: Type MC cable shall be installed in a neat and workmanlike manner. Cable shall not cross other cable or have excess slack. Cable that is installed vertically, must be plumb with the vertical framing of the structure.

V. Bundling of cable is limited to three cables for each support ring.

W. Type MC cable may be only supported by fasteners or clamps that are approved and UL tested for cable support.

3.02 INSTALLATION BELOW GRADE

A. Minimum size raceway is 3/4 inch.

B. Provide rigid galvanized steel conduit or PVC where conduits are installed in concrete floor slab ¾" maximum. Maintain proper concrete coverage as directed by structural engineer. PVC conduit shall not penetrate slab above finished grade.

C. Provide rigid galvanized steel or PVC conduit where conduits are installed below grade.

D. Swab clean all conduits before cable installation. Waterproof all conduit joints after cable installation.

E. Provide conduit wall sleeves for all conduits penetrating walls, grade beams, etc. and other locations shown on the Drawings.

F. Where required to bend PVC ducts to satisfy indicated routing, preform ducts to allow ends of duct sections to be in a straight alignment. Accomplish preforming of ducts by utilizing proper duct heater units.

G. Perform all necessary excavation and backfilling for proper installation of work. Take precautions not to excavate below depth required. Backfill trenches with sand, 3" below conduits and 3" above. Tamp remainder of backfill in six inch (6") layers to original grade, moistening as required for proper compaction. All backfilling shall be free from harmful materials. In areas to be paved, compact to density to receive pavement. Where pavement is broken for the installation of conduit, repair to original condition. Provide shoring, bracing, and de-watering if necessary for installation of work. Remove from site all materials encountered which are not suitable for backfill.

H. When and if damage is caused to underground utility lines or structures, above ground utility lines or structures, or other purposeful surface conditions, either on or off the right-of-way, make immediate temporary repairs. At the first opportunity, make permanent repairs which are acceptable to the Owner. All such repairs shall be made at the Contractor's expense.

I. Where necessary, provide barricades around open excavations to prevent endangering the public. Provide warning beacon lighting at night to adequately mark all excavations.

J. Where conduits embedded in concrete floor or roof deck cross expansion joints, they shall be joined together using O.Z. Gedney type DX expansion fittings and bonding jumpers. Straight runs of conduit over 150' long shall have O.Z. Gedney Type AX expansion fittings installed to minimize movement. Fittings shall be installed at a maximum of 150' on center.

K. Where horizontal runs of conduit transition to vertical and continue above finished grade or finished floor; the transition shall be made with a 90 degree long radius sweep. The sweep may be PVC (2" and smaller) and shall be RGS (2-1/2" and larger). No PVC conduit will be allowed above finished grade or finished floor.

L. CONDUITS RUN BELOW FINISHED FLOOR SHALL NOT PENETRATE GRADE BEAMS. UNLESS APPROVED BY STRUCTURAL ENGINEER.

3.03 PERMITTED RACEWAY USAGE:

A. Raceway transitions at all locations;

1. Rigid nonmetallic conduit runs from below grade level shall transition to galvanized rigid steel or intermediate steel conduit, wrapped with corrosion protection tape, prior to exiting at grade level and continue thereafter in accordance with their usage requirements.

a. Caulk concrete-to-conduit joints with a silicone rubber compound.

2. Continue the more protective conduit type into an area where a less protective conduit type is permitted for a distance of not less than 1 foot.

B. Electrical metallic tubing at;

1. Interior locations when;

a. Concealed within walls and ceilings or; **do not use in the mortar filled cells of concrete masonry units.**

b. Exposed and more than 8 feet above finished floor or;

c. Exposed and more than 3 feet above finished floor in electrical or mechanical rooms or;

d. Exposed and more than 1 foot above a finished attic or mezzanine floor.

e. Do not use where exposed to standing water or other continuously damp or wet areas.

2. Exterior locations when;

a. More than 10 feet above the finished ground surface or;

b. More than 1 foot above the finished ground surface within a lockable equipment yard or;

c. In the crawl space below a building with the 1st level elevated.

C. Rigid or intermediate metal conduit at;

1. Interior locations when;

a. Exposed, in other than electrical or mechanical rooms, and installed less than 8 feet above finished floor or;

b. Exposed in electrical or mechanical rooms and installed less than 3 feet above finished floor or;

c. Exposed and less than 1 foot above a finished attic floor or mezzanine floor.

2. Exterior locations when;

a. Less than 10 feet above the finished ground surface or;

b. Less than 1 foot above the finished ground surface within a lockable equipment yard.

1) Malleable iron straps will be required at these locations.

D. Rigid metal and intermediate metal conduit wrapped with corrosion protection tape or rigid nonmetallic conduit at;

1. Underground locations with a ¾" minimum size when;

a. Located outside of the building line or;

b. Located below a concrete slab on grade or;

c. Located below a beam of a slab on grade or.

d. Located within a concrete slab on grade where the outside diameter is equal to or less than 20 percent of the slab thickness.

1) Seal conduit ends at each building entry.

2. Below grade;

a. The minimum size shall be 3/4 inch.

b. Seal conduit ends at each building entry.

c. Coordinate covering with Structural Engineer.

E. Rigid nonmetallic conduit for;

1. An exposed grounding electrode or bonding conductor below 10 ft. to guard from physical damage.

F. Flexible metal conduit in;

1. Dry interior locations with a minimum length of 2 feet and maximum length of 6 feet to;

a. The final connection of transformers, motors and vibrating equipment.

G. Flexible metal conduit or metal-clad cable for light fixtures or ceiling mounted devices.

1. Dry or damp interior locations with a maximum length of 6 feet to;

a. The final connection of light fixtures; or

b. The final connection of ceiling mounted outlet boxes or.

H. Flexible metal conduit is not allowed for any technology rough-in, must be EMT.

I. Liquid-tight flexible metal conduit in;

1. All locations with a minimum length of 2 feet and maximum length of 6 feet for;

a. The final connection of all liquid pump motors and associated control connections or;

2. Damp or wet interior and all exterior locations with a minimum length of 2 feet and maximum length of 6 feet to;

a. The final connection of transformers, motors, and vibrating equipment.

END OF SECTION

SECTION 26 05 34 - OUTLET BOXES, PULL BOXES AND JUNCTION BOXES

PART 1 - GENERAL

1.01 SCOPE OF WORK

Provide outlet boxes in accordance with the National Electrical Code at locations shown on the Drawings and hereinafter specified.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Provide standard hot-dipped galvanized pressed steel boxes, minimum 4"x4" by 1-1/2" deep. Use 4 11/16" by 2 1/8" deep box when using 1" conduit.

B. Cabinets with screw covers or as specifically noted for junction or pull boxes larger than 150 cubic inches.

C. All junction, pull and splice boxes to conform to NEC Article 370.

D. All metallic boxes are to have an internal means of grounding.

E. Flush mounted wall and finished ceiling boxes.

1. Within framed, drywall, plastered or tile covered walls, with ¾" max. raceway, furnish galvanized steel, 4" square, minimum 1 1/2 inch deep boxes with a raised tile cover and a far-side support.

2. Within drywall or plaster covered or suspended ceilings, with ¾" max. raceway, furnish galvanized steel, 4" square, minimum 1 1/2 inch deep boxes with a raised tile cover.

3. Within masonry walls, with ¾" max. raceway, furnish galvanized steel boxes, minimum 2-1/2-inch deep.

F. Surface mounted boxes.

1. Mounted at or below 10' above the finished surface, ¾" max. raceway size, furnish cast aluminum boxes with a surface mounted cover.

G. Junction and Pullboxes.

1. Furnish, minimum 4" square, 1 – ½" deep, galvanized steel junction and pullboxes where installation conditions warrants their use. Boxes shall be furnished with screw-on covers or hinged covers. Covers shall be such that it can easily be handled by one person. All hardware and fasteners shall be galvanized steel.

H. Flush mounted floor boxes.

1. Furnish adjustable, concrete tight, corrosion resistant, duplex type. Compartmental type for combination receptacle and communication. The coverplate shall be brass with hinged flap and carpet flanges. The minimum below ground/slab conduit size shall be ¾".

I. Underground boxes.

1. U. L. listed.

2. Pre-cast, polymer concrete.

3. Minimum size of 10” W X 10” L X 10” H.

4. Bolt down cover.

5. Stainless steel hex-bolts and replaceable nuts.

6. Minimum load rating of 5,000 lbs. (select by location)

PART 3 - EXECUTION

3.01 INSTALLATION

A. Through wall boxes and boxes mounted back-to-back are not permitted. Provide 8 inch minimum separation in order to minimize sound transmission.

B. Set flush with wall or ceiling finish in accordance with N.E.C., Article 370. Extension sleeves are not permitted for boxes improperly set.

C. Verify location of outlets prior to rough-in. When necessary, relocate outlets to avoid interference with other work or equipment. Where fixtures are mounted on or in an accessible type ceiling, provide a junction box and extend flexible conduit to each fixture. Fit outlet boxes in finished ceilings or walls with appropriate covers.

D. Where more than one (1) switch or device is located at one (1) point, unless otherwise indicated, provide gang boxes and covers. When the voltage between switches exceeds 300 volts, provide barrier partitions between adjacent switches located in the same box. Sectional switch boxes or utility boxes not permitted.

E. Provide pressed steel boxes for all interior work. Provide square boxes with plaster rings. Provide appropriate size multi gang box for group devices. Single gang boxes screwed together is not acceptable.

F. Where boxes are installed in masonry walls, use only approved masonry type boxes for single gang and multi-ganged applications. Standard 4” square boxes with plaster rings are not allowed. Caulk around joint between receptacle box and masonry. Verify color with architect.

G. Do not drill and pierce structural concrete members and structural steel without prior approval of the Engineer.

H. Mount all boxes plumb.

I. Mount boxes completely rigid without conduit or finished wall support.

J. Where outlets are installed in steel stud type systems, provide additional cross bracing, bridging, and/or straps as required to make the outlet completely rigid. Support boxes with “caddy screw gun brackets”, “caddy box mounting bracket”, “caddy quick mount box brackets” or acceptable alternates.

K. **Dimensions are from finished floor to centerline of outlets.** Adjust heights of outlets in masonry walls from that indicated so that receptacles are not lower than 16" A.F.F. and switches are not higher than 48" A.F.F. Outlet height so adjusted shall be consistent. Unless otherwise indicated, mount outlets at the following heights:

Wall switches/Wall Phone	4 ft. - 0 in.
General Duplex receptacles	1 ft. - 6 in.
Receptacles at Millwork	verify with millwork
Receptacle for Refrigerators	2' – 6"
Weatherproof duplex receptacles	1 ft. - 6 in.
Telephone/Data outlets/Teacher Station	1 ft. - 6 in.
Telephone/Data at millwork	verify with millwork
Garages/Apparatus Bay receptacles	2 ft. - 0 in.
Clocks	8 ft – 0 in
Access Point Data Drops (wall mounted)	10 ft – 0 in

L. For boxes installed above ceilings, label the box cover with the circuit numbers installed. Labeling shall be with a permanent, black maker with broad tip.

M. Boxes installed in rated walls shall have a minimum horizontal separation of 24". Maximum surface area of boxes shall not exceed 16 square inches.

N. Completely envelope floor boxes in concrete except at the top. Increase slab thickness at boxes if required for bottom covering. Adjust covers flush with finished floor.

O. Where outlets are indicated adjacent to each other, mount these outlets in a symmetrical pattern with all tops at the same elevation. Where outlets are indicated adjacent, but with different mounting heights, line up outlets to form a symmetrical vertical pattern on the wall.

P. Install recessed boxes flush to the finished wall or ceiling line by the use of manufactured tile rings to extend the box forward.

Q. Boxes to which light fixtures or pendants are mounted shall NOT contain any conductors foreign to the operation of such light or pendant application. Removal of lights, pendants and cord drops to access other branch circuits is NOT acceptable.

R. Where fixtures are mounted on or in an accessible type ceiling, provide a junction box and extend flexible conduit to each fixture.

S. Install knockout closures to cap all unused openings.

T. All boxes shall be installed with coverplates.

U. Install boxes as required to facilitate conductor installation in raceway systems. Junction and pull boxes shall be sized to accommodate conductors, splices, devices and fittings.

V. Raceways are NOT allowed to terminate to extension rings.

W. Install boxes so that covers are accessible and easily removable after completion of the installation. The minimum clear space in the direction of the box opening shall be 36”.

X. Include suitable access doors, with the proper fire rating, for boxes above inaccessible ceilings. Boxes shall be located within reach of the access.

Y. Install underground boxes with cover slightly above finished grade.

Z. Spray paint J-Boxes red for Fire Alarm Systems. All other special system J-Boxes to be painted white.

END OF SECTION

SECTION 26 05 80 - EMPTY RACEWAY ROUGH-IN

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. The Contractor shall furnish and install all equipment, accessories and material required for the rough-in of empty raceway systems in accordance with the specifications and drawings.

B. Rough-in raceway sections for indicated devices and outlets in all walls, floors and underground sufficient to facilitate installation of the following systems without cutting or otherwise damaging walls, ceilings or floors installed in this contract:

1. Communications
2. Fire Alarm
3. Television
4. Data
5. Security
6. Controls

C. **ALL** CONDUITS SHALL HAVE A PULL CORD INSTALLED. INSTALL BLANK COVERS ON ALL UNUSED JUNCTION BOXES.

D. 3/4” CONDUIT MINIMUM.

E. Electrical Contractor shall provide all conduit, junction boxes and outlet boxes for HVAC controls as specified in Section 26 05 00, 1.03, D. Coordinate locations and requirements with Mechanical Contractor and Controls Contractor prior to rough-in. Provide outlet box for sensor and conduit to above accessible ceiling. Provide conduit for all wiring in areas with no ceiling. Provide conduit from outdoor units to above accessible ceilings. Provide conduit between make-up air units and associated condensing units.

F. REFERENCE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS CONCERNING CONDUIT ROUGH-IN FOR VOICE/DATA SYSTEMS.

G. Floor mounted devices: Provide pathway to nearest accessible ceiling for all floor mounted devices called for in this specification.

1.02 QUALITY ASSURANCE

A. Construct each item of equipment, including parts and accessories, in a workmanlike manner, using new materials or the best quality obtainable for the purpose intended. Design and build materials in accordance with the best practices of the electrical industry.

B. Comply with all requirements of serving utility.

PART 2 - EXECUTION

2.01 INSTALLATION

A. Interior conduit systems shall have runs less than 100 feet from point to point.

B. Provide accessible pull boxes when necessary. Provide blank covers for all outlet boxes, unless otherwise noted.

C. All bends for telephone and cable television service shall be 36 inch radius, minimum.

D. Provide outlet box in wall at 18” A.F.F. (UON) and conduit with string to above accessible ceiling location. Provide insulated bushing on end of conduits.

END OF SECTION

SECTION 26 24 16 - BRANCH CIRCUIT PANELBOARDS

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provide branch circuit panelboards as shown on the Drawings and as herein specified.

B. Panelboard feeders are sized from the “Panelboard Connection Schedule”. When a panel is fed from a transformer use the “Transformer Connection Schedule” for feeder size. When there is a conflict between the sizes, use the largest of the two.

C. This section specifies the furnishing and installation of molded case, thermal-magnetic circuit breakers. Electronic, solid-state trip circuit breakers are NOT allowed.

D. Maximum circuits per panelboard section shall be 42 circuits.

1.02 STANDARDS

A. Provide U.L. label.

B. Comply with applicable standards of NEMA and the NEC.

1.03 ACCEPTABLE MANUFACTURERS

A. Square D/Schneider Electric

B. ITE Siemens

C. Cutler Hammer/Westinghouse/Eaton

D. General Electric

1.04 SUBMITTALS

A. Furnish Engineer shop submittal for each branch circuit panelboard.

B. Submit shop drawings for each panelboard which include outline and support points, dimensions, voltage, main bus ampacity, short circuit ampere interrupting rating, circuit breaker arrangement, sizes and number of poles. Shop drawing shall list all spaces and circuit breakers to be installed in each panelboard.

C. Provide shop submittal which includes the following:

1. Cabinet

a. Housing

b. Trim

c. Outline dimensions

d. Available spaces

e. Panelboard mounting

2. Circuit breakers

a. Frame size

b. Trip setting

c. Class

d. Interrupting rating in RMS Symmetrical amperes

e. Mounting

f. Voltage rating

3. Busing

a. Ampere rating

b. Material

c. Incoming cable lug size

d. Bus bracing

4. Manufacturer’s catalog numbers.

5. Other descriptive data as may be required.

D. Circuit breaker arrangement must be identical to the schedules or one line diagram unless there is a technical reason for deviation. All reasons for deviation must be stated on the shop drawings.

E. Unless specifically noted, only Max 42 circuits per section will be allowed.

PART 2 - PRODUCTS

2.01 GENERAL.

A. All new panelboards and switchboards on this project shall be by the same manufacture. The manufacture shall be the same as the manufacturer of the circuit breakers.

B. Interior trim shall be of dead-front construction to shield user from energized parts. Dead-front trims shall have pre-formed covers for unused mounting space.

C. Interior leveling provisions shall be provided for flush mounted applications.

D. Panelboards shall be designed such that switching and protective devices can be replaced without disturbing adjacent units and without removing the main bus connectors.

F. Furnish suitable lugs for each conductor requiring a connection.

2.02 BUS CONSTRUCTION

A. Fabricate all buses of 98 percent IACS conductivity, copper. Size buses to limit their temperature rise within the panelboard to 65°C based on a 40°C ambient temperature.

B. Provide one continuous, un-reduced in size, bus bar per phase with “distributed phase” or “phase sequence” type connections to the branch circuit breakers. Extend the buses the height of the panelboard.

C. Provide circuit breaker connections to the bus by means of a bolt. Square D “I-Line” may be provided.

D. Insulate each individual phase bus to withstand 2000 volts a-c for 1 minute.

E. Support the bus systems using non-carbonizing, non-tracking insulators.

F. Furnish fully equipped spaces, include all appropriate connectors or mounting hardware.

G. Furnish an insulated neutral bus which is the same size as the phase buses. Larger sizes may be required by the schedules or one line diagram.

H. Furnish a solidly bonded equipment ground bus. Include terminals for feeder and branch circuit grounding conductors.

I. Furnish an isolated ground bus, with terminals, where scheduled or noted on the drawings.

J. Provide full size or larger insulated neutral bus bar. Where specified on the panel schedule, provide 200% rated neutral bus bar. Coordinate with plans.

2.03 RATINGS

A. Panelboards and circuit breakers shall be rated for 60 hertz and have a voltage and current rating as indicated on the drawings or schedules.

B. The finished panelboard assembly shall be fully rated to withstand mechanical forces exerted during short-circuit conditions when connected directly to a power source having available fault currents indicated on the drawings or schedules. The minimum rating for a 240 volt a-c panelboard shall be rated 10,000 AIC RMS symmetrical and a 480 volt a-c panelboard shall be rated 14,000 AIC RMS symmetrical minimum. Series ratings are not permitted.

C. Final AIC ratings for all panels shall be determined and provided by the gear manufacturer to meet minimum allowable fault current from utility company transformer. Provide coordination study and fault current analysis as required for justification of sizes. Make all changes required by coordination study and include in bid price. Coordination study must be completed prior to submitting gear.

2.04 ENCLOSURES

A. Enclosures shall be at least 20 inches wide and made from galvanized steel with welded interior mounting studs. Provide gutter space in accordance with the National Electrical Code. Where conductors are carried through a box, the box shall be sized to include the additional space. Enclosures shall be fully enclosed.

B. **ALL MULTI-SECTION PANEL ENCLOSURES SHALL BE THE SAME HEIGHT.**

2.05 HINGED FRONT COVER

A. Mounting shall be flush or surface as indicated on associated schedules or drawings. Surface trims shall be the same height and width as the box. Flush trims shall overlap the box by 3/4 of an inch on all sides.

B. Fronts shall be of the concealed hinged type. Front shall not be removable with the door closed.

C. Doors on front shall have rounded corners; edges shall be free of burrs. Doors shall have a flat latch type lock with a catch and spring loaded stainless steel door pull. All lock assemblies shall be keyed alike. One key shall be provided with each lock.

D. Furnish a nameplate, circuit directory frame, card and a clear plastic covering on the inside of the door. All loads shall be identified as specified in Section 16075.

2.06 FINISH

A. Surfaces of the trim assembly shall be properly cleaned, primed, and a finish coat of gray paint applied.

B. Nema 3R enclosures shall be properly cleaned, primed, and a finish coat of gray paint applied.

C. Supply one quart of finish paint for each project. Touch-up after installation.

2.07 MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS

A. Furnish molded case, thermal-magnetic circuit breakers in lighting / appliance and power distribution panelboards for the specified service with the number of poles and ampere ratings indicated on the schedule or drawings. Incorporate inverse time characteristic by bi-metallic overload elements and an instantaneous characteristic by magnetic trip.

B. Current carrying components shall be completely isolated from the handle and the accessory mounting area.

C. Circuit breakers shall have a trip free, toggle operating mechanism which will provide quick-make, quick-break contact action. The circuit breaker shall have common tripping of all poles.

D. The circuit breaker handle shall reside in a tripped position between ON and OFF to provide local trip indication. Circuit breakers shall be clearly marked ON and OFF.

E. Circuit breakers shall be factory sealed.

F. All circuit breakers shall be suitable for mounting in any position.

G. Circuit breakers shall be equipped with factory installed mechanical lugs.

H. Circuit breakers shall have a permanent trip unit containing individual thermal and magnetic trip elements in each pole.

I. Thermal trip elements shall be factory preset and sealed. Circuit breakers shall be true rms sensing and thermally responsive to protect circuit conductor(s) in a 40° C ambient temperature.

J. For 2-pole and 3-pole breakers, use the common-trip type so that an overload or fault on one pole will trip all poles simultaneously. Handle ties are not acceptable except where multiple single breakers are used to serve modular furniture.

K. Where indicated, provide ground fault (GFCB) or shunt trip breakers.

2.08 LISTING

A. The completed panelboard shall be UL listed.

B. Certification standards, with applicable voltage systems and corresponding interrupting ratings, shall be clearly marked on the face of each circuit breaker.

C. Circuit breakers shall be equipped with listed electrical accessories as noted on the schedules or drawing.

D. When required, circuit breakers shall be listed as HACR type.

E. When required, circuit breakers shall be listed as Switch Duty type.

F. When required or indicated on the drawings or schedules, equipment shall be listed for the environment in which it is installed.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install box, trim and interior rigid and plumb. Center interior with opening.

B. Install panelboards in accordance with the instructions of the manufacturer and as shown on the Drawing. Install complete with all required electrical connections.

C. Unless otherwise noted, install panelboards with the top of the trim 6 ft. 0 in. above finished floor.

D. Field check panelboard loading and reconnect circuits as required to provide balanced phase and line loads.

E. Neatly bundle, route and support cables installed in wiring gutters of panelboards. Minimum bending radii as recommended by the wire and cable manufacturer.

F. Install five (5) 3/4” conduits from top of flush mounted panelboards to accessible void above ceiling. Cap end of conduits above ceiling.

G. All recessed panels are to be installed in 6” minimum wall thickness. Coordinate clear dimensions with Architect and General Contractor prior to rough-in.

H. Provide wood trim for any semi-recessed panels, including panelboards. Coordinate with General Contractor and verify finishes with the Owner/Architect.

I. Install filler blanks for any unused breaker space.

J. All panel interior to be free of debris and dirt prior to installing panel covers.

K. Check bolted and circuit breaker connections using a torque wrench.

L. The faces of all circuit breakers shall be flush with each other.

M. Affix permanent and individual circuit numbers to each circuit breaker in a uniform position.

END OF SECTION

SECTION 26 28 25 - CONTACTORS

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provide lighting contactors as shown on the drawings and as hereinafter specified.

1.02 STANDARDS

A. Approved per UL 508 and designed in accordance with NFPA 1C52-211B.

B. UL listed.

C. Conform to the latest NEMA Standards.

1.03 ACCEPTABLE MANUFACTURERS

A. Square D

B. ITE Siemens

C. Cutler Hammer/Westinghouse

D. General Electric

1.04 SUBMITTALS

A. Furnish Engineer shop submittals for contactors.

B. Provide shop submittal which includes the following information:

1. Voltage and ampere rating

2. Wiring diagram

3. Enclosure type

4. Coil voltage

PART 2 - PRODUCTS

2.01 GENERAL

A. Continuously current rated.

B. Capable of making and breaking all cases of loads without the aid of auxiliary arcing contacts. Auxiliary arcing contacts are not acceptable.

C. Industrial duty rated for applications to 600 volts maximum.

2.02 MATERIALS

A. Totally closed, double break, silver to silver power contacts. Contact inspection and replacement shall be possible without disturbing line or load wiring.

B. Provide terminals with straight through wiring and accept copper wire.

C. Provide switches or provisions for switches as indicated on the drawings.

D. Unless otherwise indicated, provide contactor in NEMA Type 1 enclosure.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Securely mount lighting contactor. Provide all mounting hardware.

END OF SECTION

SECTION 26 43 00 - SURGE PROTECTIVE DEVICES (SPDs)

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provide a complete grounding system in strict accordance with Article 250 of the National Electrical Code and as hereinafter specified and shown on the Drawings.

PART 2 - PRODUCTS

2.01 SURGE PROTECTIVE DEVICES (SPDs)

A. SPD shall be UL 1449 labeled with 200kA Short Circuit Current Rating (SCCR). Fuse ratings shall not be considered in lieu of demonstrated withstand testing of SPD, per NEC 285.6.

B. SPD shall be UL 1449 labeled as Type 1 intended for use without need for external or supplemental overcurrent controls. Every suppression component of every mode, including N-G, shall be protected by internal overcurrent and thermal overtemperature controls. SPDs relying upon external or supplementary installed safety disconnectors do not meet the intent of this specification.

C. SPD shall be UL 1449 labeled with 20kA I-nominal (I-n) (verifiable at UL.com) for compliance to UL 96A Lightning Protection Master Label and NFPA 780.

D. Standard 7 Mode Protection paths: SPD shall provide surge current paths for all modes of protection: L-N, L-G, L-L, and N-G for Wye systems; L-L, L-G in Delta and impedance grounded Wye systems.

E. True 10 Mode Protection paths: SPD shall provide “directly connected protection elements” between all possible modes of protection: L-N, L-G, L-L, and N-G for Wye systems; L-L, L-G in Delta and impedance grounded Wye systems.

F. Maintenance: Provide SPDs with a serviceable replaceable module, with indicator lights for normal and faulted conditions. Provide audible alarm and visual status indicators to indicate need for renewal or replacement. Provide units which are UL listed for installation in accessible areas.

G. Disconnecting Means: If a dedicated breaker for the SPD is not provided in the switchboard, the service entrance SPD shall include an integral UL Recognized disconnect switch. A dedicated breaker shall serve as a means of disconnect for distribution SPD’s.

H. Styles: The following styles are defined for determining ratings, installation method, and applications.

1. Style E: Exterior to panelboard enclosure, enclosure suitable for same environment as panelboard enclosure, connected through branch circuit breaker in panelboard. Meet UL 1449 3rd Edition performance parameters.

2. Style S: Switchboard type, for mounting inside switchboard, connected to buss through instrument power type of disconnect and protection, provided under this section and installed by switchboard manufacturer. SPD shall be rated as either a Type 1 or as Type 4 intended for Type 1 or Type 2 applications. Meet UL 1449 3rd Edition performance parameters.

I. Voltage Protection Ratings : For the applicable voltage configuration the SPDs UL 1449 3rd edtion Voltage Protection Rating (VPR) in any mode (L-N, L-G, and N_G), shall not exceed the following:

Voltage Configuration	UL 1449 3rd Edtion VPR Standard or 10-Mode
120 Volt, 1 Phase	700
120/240 Volt, 1 Phase	700
120/208 Volt, 3 Phase Wye	700
240 Volt, 1 Phase	1200
240 Volt, 3 Phase Delta	1200
277/480 Volt, 3 Phase Wye	1200
480 Volt, 3 Phase Delta	1800

J. SPD shall meet or exceed the following criteria:

1. Style S: Surge current capability shall be 300kA/phase

2. Style E: Surge current capability shall be 150kA/phase

K. Available Manufacturers: Subject to compliance with requirements, manufacturers offering SPDs which may be incorporated in the work included, but are not limited to the following:

1. Basis of Design: Current Technology

2. Alt. Manufacture: All substitutions must get prior approval submit as an Alternate with 3rd party test to verify performance matches specification. Performance can not be reduced to be considered an alternate.

3. Substitutions not following substitution requirements outlined in general electrical section and criteria outlined in this section will not be considered.

PART 3 - EXECUTION

3.01 INSTALLATION OF SURGE PROTECTIVE DEVICES (SPDs)

A. General: Install surge arrestors where indicated. Follow the manufacturer's instruction and NEC Article 285 for installation on line or load side of services.

B. Limit the length of tap conductors to the least length practicable. In no case extend unprotected tap conductors more than ten (10) feet, or beyond the enclosure of the panelboard, switchboard or disconnect served.

C. For Style S SPDs, the switchboard manufacturer will supply their own UL 1449 3rd edition listed SPDs meeting the specification criteria. Include complete installation instructions.

Surge Protection: PROJECT NAME _____

(Manufacturer to fill out entire form)

1. Surge Manufacturer Name: _____

2. Model Numbers for:
   a. "MSB":
      Model: _____
   b. Panel s _____:
      Model: _____
   b. Panel s _____:
      Model: _____

3. Does MSB Surge have Advance Monitoring _____ Yes _____ No
   (Advanced Monitoring: Voltmeter, Surge Counter, Event Logger)
   Attached specification sheet on monitor _____ Yes _____ No

4. Does MSB have Over-Voltage Protection _____ Yes _____ No

5. Surge ratings:
   a. Model _____ Rating _____
   b. Model _____ Rating _____
   c. Model _____ Rating _____

6. Testing
   a. Have units been tested for Surge Impulse Surge Current by a third party independent laboratory? _____ Yes _____ No
   b. Attached 3rd party Test Report _____ Yes _____ No
   c. Can SPD be tested in field and compared to factory test _____ Yes ___ No

7. Warranty Period
   a. Standard Warranty _____ Years
   b. Life Expectancy _____ Years

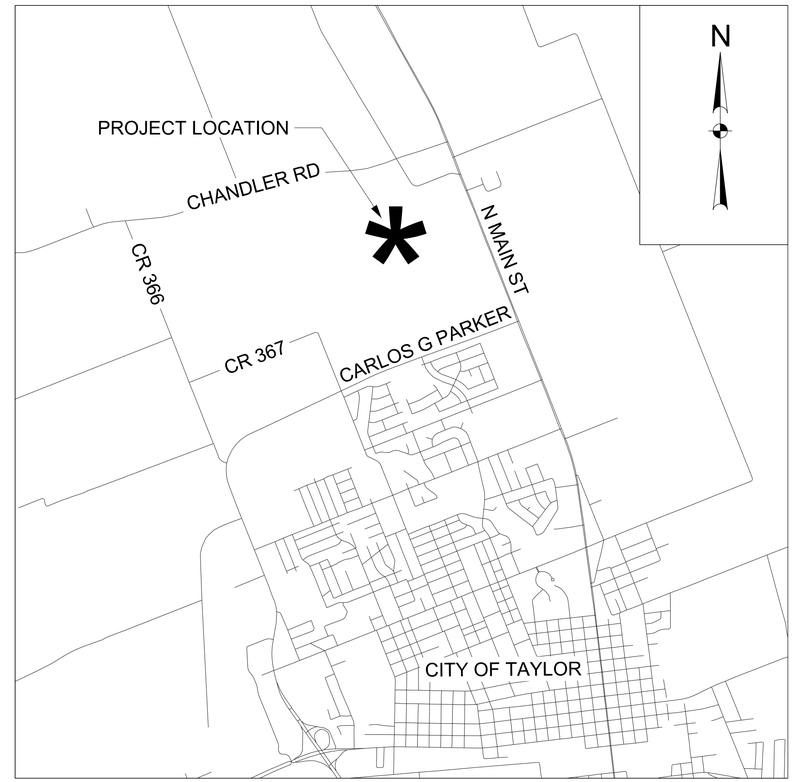
END OF SECTION

Williamson County Expo Center

RV PARK

WILLIAMSON COUNTY
1848

Location Map





12-4-17

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COUNTY JUDGE
DAN GATTIS

COUNTY COMMISSIONER
TERRY COOK

COUNTY COMMISSIONER
CYNTHIA LONG

COUNTY COMMISSIONER
VALERIE COVEY

COUNTY COMMISSIONER
LARRY MADSEN

100% CD PLANS
DECEMBER 2017
AVO 32388

SHEET LIST

C0.0	COVER SHEET
C0.1-C0.2	GENERAL NOTES
C0.3	ALIGNMENT DATA SHEET
C1.1	SITE PLAN & SURVEY CONTROL
C2.1	EXISTING DRAINAGE AREA MAP
C2.2	PROPOSED DRAINAGE AREA MAP
C3.1	GRADING PLAN
C3.2	EROSION CONTROL PLAN
C4.1	WASTEWATER PLAN
C4.2	WASTEWATER PROFILES
C4.3	WATER PLAN
C5.1	SIGNAGE & DIMENSION CONTROL
C6.1	STORM PLAN & PROFILES
C7.1	ROADWAY PLAN
C7.2	DRIVEWAY PLAN & PROFILE
C7.3	TRAIL PLAN
C8.1	TRAFFIC CONTROL PLAN
C9.1- C9.21	STANDARD DETAILS
L1.0	LANDSCAPE/AMENITY PLAN
L2.0	LANDSCAPE/AMENITY DETAILS
E100	SITE PLAN - ELECTRICAL
E101	SCHEDULES, NOTES AND LEGENDS - ELECTRICAL
E102	RISER & SCHEDULES
E103	SCHEDULE & DETAILS

City of Taylor, Texas - General Construction Notes

1.)General Contractor shall call for all utility locates prior to any construction. Water & wastewater owned by the City of Taylor can be located by calling the Utility Department 512-352-3251. Allow three business days for utility locates by the City of Taylor.

2.)All construction shall be in accordance with the latest City of Taylor ENGINEERING MANUAL.

~~3.)The contractor shall give the City a minimum of 48 hours notice before beginning each phase of construction. See Traffic Control Plans for construction phasing.~~

~~4.)Prior to City acceptance of all improvements, all graded and disturbed areas are to be re vegetated in accordance with the City of Austin Specification Item #604 unless another revegetation specification is specifically identified in the plans and/or bid form. When appropriate in the opinion of the Public Works Department, the City of Taylor may require native grasses to be used.~~

5.)The Contractor shall provide Williamson County copies of all test results prior to acceptance of this project.

~~6.)City, owner, engineer, contractor, representatives of all utility companies, and a representative from the testing lab shall attend pre-construction conference prior to start of construction. The contractor shall schedule the meeting with the City of Taylor Engineering Department 48 hours prior to this pre-construction meeting (512-352-3633).~~

7.)Excess soil shall be removed at the contractor's expense. Notify the City of Taylor for approval if the disposal site is inside the City's jurisdictional boundaries.

8.)Burning is prohibited. No blasting is allowed.

~~9.)Any changes or revisions to these plans must first be submitted to the City by the design engineer for review and written approval.~~

10.)The Contractor will reimburse the City (or County) for all cost incurred as a result of any damage to any City utility by the Contractor, regardless of the plans.

~~11.) Prior to City acceptance of this project, an engineer's concurrence letter and 22"x34" record drawings (one Mylar copy, one blue-line or Xerox, and a digital copy on a CD ROM) shall be submitted to the Engineering Department. The Consulting Engineer and Contractor shall verify that all final revisions and changes have been made to the Mylar, blue-line, and digital copy prior to City submittal. Record construction drawings shall be provided to the City in digital format as AutoCad ".dwg" files, or ESRI ".shp" files on CD ROM. Line weights, line types and text size shall be such that if half-size prints (11"x 17") were produced, the plans would still be legible. All required digital files shall contain a minimum of two (2) control points referenced to the State Plane Grid Coordinate System- Texas Central Zone (4203), in US feet and shall include rotation information and scale factor required to reduce surface coordinates to grid coordinates in US feet. Half-size plans may also be required (see contract).~~

12.)ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF TAYLOR MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

13.)A traffic control plan, in accordance with the Texas Manual on Uniform Traffic Control Devices, shall be submitted to the County for review and approval prior to any partial or complete roadway closures.

~~14.)The contractor shall keep the site clean and maintained at all times, to the satisfaction of the City. This project will not be accepted until the site has been cleaned and re-vegetated to the satisfaction of the City.~~

15.)Signs are not permitted in Public Utility Easements or Drainage Easements.

16.)Inspect temporary erosion controls on a daily basis. Adjust the controls and/or remove any sediment buildup as necessary.

17.)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.

18.)The Contractor shall be responsible for all damage to private property, which occurred as a result of any portion of this project. Any damage to private property shall be repaired to equal or better condition. The Contractor shall coordinate all repairs to private property with the property owner. Contractor shall pay and/or settle with private property owner for all costs related to any damage. The County will not provide separate pay for repair of any damages, reimbursements or settlements.

~~19.)Contractor shall provide the services of the City's approved SCADA consultant and controls instrumentation consultant. (When applicable to SCADA) The cost of the consultant and/or any equipment shall be subsidiary to the cost of the project (no separate pay) unless specifically identified on the bid form.~~

20.)Contractor shall be responsible for any and all utility relocations. Including but not limited to: ONCOR Electric, ATMOS Gas, AT&T Telephone, United Stated Post Office, Time Warner Cable Television, City of Taylor Water & Wastewater. Contractor shall call 800-DIG-TESS and maintain all confirmation numbers.

~~21.)If telephone service is required by this project, the contractor shall coordinate with phone company to provide/extend/re-locate the service. No separate pay will be provided and the City shall not be responsible for scheduling or coordinating with phone company.~~

22.)Electric and/or telephone poles that need to be re-located for this project will be at the expense of the contractor. The County will not provide separate pay for pole re-location and the cost of the relocation is considered subsidiary to the project bid. The contractor is responsible for identifying poles that may conflict with these plans and making arrangements to resolve the conflict with the appropriate utility. If electric, telephone, or CATV service will be interrupted as a result of the re-location; the County shall approve the maximum allowable time the service will be interrupted.

23.)The contractor shall make applications to the electric company for electric service if new service is required. ~~The City will assume the service upon acceptance of the project (if required). The contractor will pay for electric power until the meter is transferred to the City of Taylor.~~ Impact fees and Application Fees required by the electric company will be the responsibility of the Contractor unless specifically identified in the contract.

24.)The contractor shall provide combination locks for all gates, hatches, vaults, and MCC boxes. Each lock shall be pre-approved and set to the County's requirements. ~~(No separate pay)~~

25.)All work on these plans shall be performed. Pay for work shown on these plans, which are not identified in the contract, shall be considered incidental to the items specifically identified for payment.

26.)The contractor shall provide a competent and qualified superintendent to supervise all work. The superintendent shall be present during all construction activities.

27.)Any survey monuments damaged or moved as a result of this project shall be replaced to equal or better condition. A Texas Registered Land Surveyor shall oversee the replacement and certify the replacement for its intended use. No separate pay will be provided.

28.)Adequate drainage conditions, in accordance with the City Engineering Manual, shall be maintained at all times.

29.)Any tree removed or damaged by this project, which is not specifically identified to be removed by the plans, will be replaced according to the requirements of the City of Taylor Code of Ordinances. ~~No separate pay will be provided.~~

30.)The contractor shall uncover all utilities within the limits of construction and verify their location prior to any construction activities. The contractor shall notify the County and the Engineer, IN WRITING, of any conflicts prior to any other construction including but not limited to exact locations of conflicts with proposed or existing utilities. No additional pay unless specifically identified for payment in the contract documents. The contractor shall also make his own sub-surface investigation prior to bid.

31.)Only stainless steel casing spacers are allowed in encasement pipe(s).

~~32.)No separate pay will be given to de-water trenches or other excavated areas. Soil material imported for re-vegetation of disturbed areas shall be approved by the Public Works department prior to placement. A sample (submittal) is required.~~

~~33.)Soil material imported for re-vegetation of disturbed areas shall be approved by the Public Works department prior to placement. A sample (submittal) is required.~~

~~34.)The contractor shall perform pumping stations and/or lift station start-up independently: prior to requesting witness or acceptance by the City. When a final start-up fails to be complete and acceptable and when City personnel are present at start-up, each additional start-up will be charged to the contractor, as liquidated damages, $500.00 per additional meeting.~~

35.)Shutout of any customers of the City's utility due to tie-ins shall only be scheduled for nighttime work unless approved by the Engineering Department. The City's field representative shall coordinate and inspect all nighttime shutouts and tie-ins. The contractor shall request shutouts two weeks in advance and notify County representative. Shutouts will only be allowed in the following times and are subject to approval by the City: 10 PM - 6 AM; beginning on Tuesday, Wednesday or Thursday night(s). No extra time will be granted to the contract for unscheduled work in the time.

36.)Contractor shall document existing conditions prior to beginning any construction activities, either by photograph or video. Consider subsidiary to Preparing R.O.W.

Street Notes:

~~1.)No trenching of compacted base will be allowed. A penalty and/or fine may be imposed to the general contractor if trenching of compacted base occurs without City approval, regardless of who performed the trenching.~~

2.)All sidewalks shall comply with the Americans With Disabilities Act. The County has NOT reviewed these plans for compliance with the Americans With Disabilities Act, or any other accessibility legislation, and does not warranty or approve these plans for any accessibility standards.

3.)Street barricades shall be installed on all dead end streets and as necessary during construction to maintain job safety.

4.)Any damage caused to existing pavement, curbs, sidewalks, ramps, etc., shall be repaired by the contractor ~~to the satisfaction of the City prior to acceptance of this project.~~

~~5.)Density testing of compacted subgrade material, first course and second course compacted base, shall be made at 500 foot intervals. Any failed tests will be re-tested at the expense of the contractor.~~

~~6.)The contractor shall coordinate with the City's field representative 48 hours prior to scheduled density testing. The City's field representative shall witness all testing.~~

7.)The CONTRACTOR shall schedule all testing with County approved materials testing laboratory vendor ~~and notify the City's field representative of the time and location of all tests.~~

8.)Traffic control signs and pavement markings in accordance with the Texas Manual on Uniform Traffic Control Devices to be installed ~~as directed by the City of Taylor prior to City acceptance of this project.~~

~~9.)Slope of natural ground adjacent to the right-of-way shall not exceed 4:1. If a 4:1 slope is not possible, a retaining wall or some other form of slope protection approved by the City shall be placed in a location acceptable to the City.~~

~~10.)The City, engineer, contractor, and a representative from the testing lab shall attend a pre-paving conference prior to the start of paving. The contractor shall give the City's field representative 48 hours notice prior to this meeting.~~

11.)Failed tests shall be the financial responsibility of the contractor.

Water Notes:

1.)The top of valve stems shall be at least 18", and no more than 36", below finished grade. Valve stem risers shall be welded on each end ~~to the City's satisfaction.~~

2.)Fire hydrant leads to be ductile iron, Class 350, and installed per City of Taylor standard specifications and detail.

3.)The contractor shall provide cuts for all water lines and FH bury lines in accordance with the contract.

4.)Approved 5 1/4" fire hydrants: American Flow Control, B84B Mueller Company, Super Centurion 250, Clow Medallion Hydrant

5.)*All fire hydrants must meet City of Taylor thread specifications (National Thread)

6.)*Blue reflector markers shall be located on the centerline of the pavement across from all fire hydrants. Pavement markers at intersections shall be four-sided.

~~7.)All water lines, including service lines, shall be pressure and leak tested per City of Austin Standard Specifications and witnessed by the City of Taylor representative. All failed tests shall be the fiscal responsibility of the contractor, and the contractor may be required to re-test lines if the testing is not witnessed by the City. Contractor must notify the City of Taylor 48 hours prior to any testing.~~

~~8.)All water lines shall be sterilized and bacteriologically tested in accordance with City of Austin Standards. The contractor is responsible for sterilization and the City of Taylor is responsible for submitting bacteriological samples to the State unless otherwise approved by the Engineering department.~~

9.)All water valve risers not in pavement shall be set in concrete in accordance with the City's specifications and details. The standard detail is available on the City's web site.

~~10.)Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe unless otherwise approved by the Public Works department.~~

~~11.)Contractor to obtain a water meter from the City of Taylor for any water that may be required during construction. (512-352-3251)~~

12.)All water pipe and appurtenances larger than 12" shall have a maximum operating pressure greater than 250 psi unless specifically identified on the bid form.

13.)The location of any existing utility lines shown on these plans is the best available and may not be totally accurate. Any damage to existing utility lines, both known and unknown shall be repaired at the expense of the contractor. The Engineer and/or the City make no guarantee or warranty to the accuracy of these plans.

14.)All iron pipe and fittings shall be wrapped with at least 8-mil polyethylene wrap in accordance with the COA specification.

15.)All water mains, wastewater mains and service lines shall meet City of Taylor Specifications minimum cover requirements. All streets are to be cut to subgrade prior to installation of water mains.

~~16.)City to be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all testing of water and wastewater lines.~~

~~17.)All water valves over 24" in size shall have a by-pass line and valve installed. By-pass valves and lines are subsidiary to the cost of the valve unless specifically identified on the bid form.~~

18.)Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities. Inspection is required.

~~19.)All pipe bedding material shall conform to City of Taylor Standard Details.~~

20.)Tracer tape shall be installed on all water and wastewater mains in accordance with City of Austin Standards regardless of the type of pipe or depth of pipe installed.

~~21.)Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi – 28-days), and all reinforcing steel to be ASTM A615 60.~~

22.)The City considers protection of its water system paramount to construction activities. City personnel will operate, or authorize the contractor to operate, all water valves that will pass through the City's potable water. The contractor may not operate any water valve, existing or proposed, that will allow water from the City's water system to flow to a proposed or existing water system without the express consent of the City. Notify the City two business days in advance of any request to operate a water valve. The general contractor may be fined $500 or more, including additional theft of water fines, if a water valve is operated in an unauthorized manner, regardless of who operated the valve.

Wastewater Notes:

1.)The contractor, ~~with City approval,~~ shall raise manhole frames to finished pavement grade at the contractor's expense. All utility adjustments shall be completed prior to final paving construction.

2.)The location of any existing utility lines shown on these plans may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. The contractor shall locate all utilities prior to bidding the project.

3.) All iron pipe and fittings shall be wrapped with a least 8-mil polyethylene wrap, according to the COA Specification.

4.)All water mains, wastewater mains and service lines shall meet City of Taylor minimum cover specifications, All streets are to be cut to subgrade prior to installation of water mains.

~~5.) All wastewater lines shall be TV Video taped according to COA 510. The contractor shall supply two copies to the City's Field Representative.~~

6.)Gasketed PVC sewer main fittings shall be used to connect SDR-35 PVC to SDR-26 PVC pressure pipe or C-900.

7.) SDR-35 WW is not allowed.

8.)All sanitary sewers, excluding service lines, shall be mandrel tested per TCEQ criteria. A mandrel test will not be performed until backfill has been in place for a minimum of 30 days.

9.)All sanitary sewers, including service lines, shall be air tested per City of Austin Standard Specifications.

~~10.)Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe, unless specified otherwise by the City.~~

~~11.)City to be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all testing of water and wastewater lines.~~

12.)Water or wastewater line crossings shall be installed per TCEQ requirements.

13.)All manhole lids outside the pavement shall be bolted.

14.)Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities. Inspection of connections to existing utilities is required.

15.)All pipe bedding material shall conform to City of Austin Standard Specifications.

~~16.)Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 PSI 28 days), and all reinforcing steel to be ASTM A615 60.~~

~~17.)Piping in and around lift station valve vaults will be painted and/or coated to the City's specifications.~~

~~18.)MCC's, junctions boxes or any housing for electrical components shall be NEMA 4X stainless steel. Painted metal or any other type of box will not be accepted unless specifically identified in the plans.~~

Expo Center RV Park
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WILLIAMSON COUNTY 1848

HALFF
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BLDG F, SUITE 125
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TBPE FIRM#F-312

Revision No.	Date	Description

F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9500 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

GENERAL NOTES

C0.1

City of Taylor, Texas - General Construction Notes (Cont.)

Storm Sewer Notes:

1.)The contractor ~~with City inspection~~ shall raise manhole frames and covers and water valve boxes to finished pavement grade. All utility adjustments shall be completed prior to final paving construction. The contractor will backfill around manholes and junction boxes with Class A concrete.

2.)All manhole lids shall be 32" or larger, unless expressly approved in writing by the Engineering Department. All lids outside the pavement will be bolted.

3.)The location of any existing utility lines shown on these plans is the best available and may not be totally accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor.

4.)Contractor to notify City of Taylor 48 hours prior to connecting to existing utilities.

~~5.)All pipe bedding material shall conform to City of Taylor Standard Details.~~

~~6.)Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60.~~

7.)Contractor to install and maintain geo-textile fabric barrier (inlet protection) around storm sewer leads and inlets to prevent silt and other material from entering the storm sewer collection system.

PROJECT GENERAL CONSTRUCTION NOTES:

General Notes:

1.) Contractor to submit traffic control plan, in accordance with the Texas Manual on Uniform Traffic Control Devices, prior to any partial or complete roadway closures.

Erosion and Sedimentation control notes:

1.)Prior to any site preparation work, the contractor shall install erosion controls in accordance with the erosion control plan.

2.)Sedimentation and temporary erosion controls shall be provided in accordance with TxDOT specification 506.

3.)Prior to final acceptance, haul roads and waterway crossings constructed for temporary access must be removed, accumulated sediment removed from the waterway and the area restored to the original grade and revegetated. All land clearing debris shall be disposed in approved soil disposal sites.

Street Notes:

1.)Density testing of compacted subgrade material shall be done in accordance with the testing schedule provided in the specification book.

2.)The contractor shall coordinate with the County's field representative 48 hours prior to scheduled density testing. The County's field representative shall witness all testing.

3.)The CONTRACTOR shall schedule all testing with a County approved materials testing laboratory and notify the County's field representative of the time and location of all tests.

4.)Traffic control signs and pavement markings in accordance with the Texas Manual on Uniform Traffic Control Devices to be installed as directed by Williamson County prior to County acceptance of this project.

5.)Slope of natural ground adjacent to the right-of-way shall not exceed 6:1.

6.)Hot mix asphalt shall be in accordance with Williamson County Hot mix specification.

7.)Flexible base shall be in accordance with Williamson County Flexible Base specification.

8.)Flexible base shall extend a minimum of (12") inches past the back of curb line for soils with pi of 20 or less, (36") for all other soils.

9.)Roadway excavation shall be done in accordance with TxDOT Specification Item 110 Excavation.

10.)Contractor to fill behind curbs and walks and shape to insure proper drainage.

11.)Construction joints to existing pavement shall be made by either cutting back existing pavement to produce a slightly beveled edge for the full thickness of the wearing course or a suitable lap joint shall be made. Saw cutting required.

12.)No traffic shall be allowed on the finished wearing surface until at least 12 hours after completion of rolling.

13.)Hot mix concrete transport trucks to be equipped with canvas covers to be utilized during material hauling. Material delivered to site at improper temperature shall be rejected. Hot mix shall be laid per Williamson County Hot Mix specifications.

14.)Any settlement under pavement due to inadequate compaction of utility line back fill shall be cause for recompaction of trench and replacement of pavement section.

15.) See additional Williamson County Roadway General Notes this sheet.

Wastewater Notes:

1.)Water shall be flowed into the pipe to permit meaningful observations. Any pipe settlement which causes excessive ponding of water in the pipe shall be cause for rejection. Excessive ponding shall be defined as a golf ball (1-5/8" dia.) submerged at any point along the line.

2.)All sanitary sewers, including service lines, shall be air tested per City of Austin Standard Specification 510-26 (e), in lieu of exfiltration/infiltration testing.

3.)Density testing of compacted backfill shall be made in accordance with the testing schedule provided in the specification book.

4.) All sanitary sewers shall be laid on Class B (compacted granular material) bedding and back filled with compacted granular material.

5.) All sanitary sewers shall be PVC SDR-26.

Water Notes:

1.)All water lines, shall be pressure and leak tested per City of Austin standard specifications.

2.)All water lines shall be sterilized and bacteriologically tested in accordance with TCEQ requirements. Contractor is fiscally responsible for all testing and costs subsidiary to item 510.

3.)All pipe bedding material shall conform to City of Taylor Standard Details and City of Austin specifications.

4.)Tracer tape shall be installed on all water and wastewater mains (8 inch and larger) in accordance with City of Austin Standards regardless of the type of pipe or depth of pipe installed.

Storm Sewer Notes:

1.)Pipe excavation, trenching, and embedment shall meet TxDOT specification item 400, Excavation and Backfill for Structures.

2.)All storm drain culverts and storm drains shall meet TxDOT specification Item 462, Concrete Box Culverts and Storm Drains.

3.)All storm drain pipe shall meet TxDOT specification Item 464, Reinforced Concrete Pipe.

4.)All proposed storm sewer manholes shall conform to City of Taylor Standard Details.

5.)All storm drain pipe under paving shall be class IV with class B bedding (compacted granular material).

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Revision No.	Date	Description

F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

GENERAL NOTES

C0.2

HORIZONTAL ALIGNMENT DATA

Beginning chain ROAD A description
==========

Point ROADA001 N 10,196,025.7591 E 3,210,639.6889 Sta 1+00.00

Course from ROADA001 to PC ROAD A-1 N 25° 14' 19.3078" E Dist 68.0604

Curve Data

Curve ROAD A-1
P.I. Station 2+86.06 N 10,196,194.0586 E 3,210,719.0235
Delta = 42° 56' 34.5278" (RT)
Degree = 19° 05' 54.9354"
Tangent = 118.0006
Length = 224.8486
Radius = 300.0000
External = 22.3727
Long Chord = 219.6227
Mid. Ord. = 20.8200
P.C. Station 1+68.06 N 10,196,087.3224 E 3,210,668.7092
P.T. Station 3+92.91 N 10,196,237.9153 E 3,210,828.5713
C.C. N 10,195,959.4053 E 3,210,940.0710
Back = N 25° 14' 19.3066" E
Ahead = N 68° 10' 53.8344" E
Chord Bear = N 46° 42' 36.5705" E

Course from PT ROAD A-1 to ROADA002 N 68° 10' 53.8285" E Dist 20.0000

Point ROADA002 N 10,196,245.3486 E 3,210,847.1386 Sta 4+12.91

==========
Ending chain ROAD A description

Chain TRAIL contains:
TRAIL001 CUR TRAIL-1 CUR TRAIL-2 CUR TRAIL-3 CUR TRAIL-4 CUR TRAIL-5 CUR TRAIL-6 CUR TRAIL-7 TRAIL002 TRAIL003

Beginning chain TRAIL description
==========

Point TRAIL001 N 10,196,792.0001 E 3,210,655.2728 Sta 1+00.00

Course from TRAIL001 to PC TRAIL-1 S 21° 40' 53.4182" E Dist 465.7499

Curve Data

Curve TRAIL-1
P.I. Station 5+94.00 N 10,196,332.9515 E 3,210,837.7788
Delta = 50° 25' 20.4873" (RT)
Degree = 95° 29' 34.6771"
Tangent = 28.2482
Length = 52.8022
Radius = 60.0000
External = 6.3171
Long Chord = 51.1147
Mid. Ord. = 5.7154
P.C. Station 5+65.75 N 10,196,359.2011 E 3,210,827.3426
P.T. Station 6+18.55 N 10,196,308.1834 E 3,210,824.1957
C.C. N 10,196,337.0343 E 3,210,771.5875
Back = S 21° 40' 53.4181" E
Ahead = S 28° 44' 27.0692" W
Chord Bear = S 3° 31' 46.8255" W

Curve Data

Curve TRAIL-2
P.I. Station 6+46.89 N 10,196,283.3385 E 3,210,810.5705
Delta = 50° 33' 33.1761" (LT)
Degree = 95° 29' 34.6766"
Tangent = 28.3357
Length = 52.9455
Radius = 60.0000
External = 6.3545
Long Chord = 51.2443
Mid. Ord. = 5.7459
P.C. Station 6+18.55 N 10,196,308.1834 E 3,210,824.1957
P.T. Station 6+71.50 N 10,196,257.0325 E 3,210,821.1020
C.C. N 10,196,279.3325 E 3,210,876.8040
Back = S 28° 44' 27.0692" W
Ahead = S 21° 49' 06.1070" E
Chord Bear = S 3° 27' 40.4811" W

Course from PT TRAIL-2 to PC TRAIL-3 S 21° 49' 06.1079" E Dist 38.4498

Curve Data

Curve TRAIL-3
P.I. Station 7+49.95 N 10,196,184.2023 E 3,210,850.2590
Delta = 90° 00' 00.0001" (LT)
Degree = 143° 14' 22.0156"
Tangent = 40.0000
Length = 62.8319
Radius = 40.0000
External = 16.5685
Long Chord = 56.5685
Mid. Ord. = 11.7157
P.C. Station 7+09.95 N 10,196,221.3370 E 3,210,835.3924
P.T. Station 7+72.78 N 10,196,199.0689 E 3,210,887.3937
C.C. N 10,196,236.2036 E 3,210,872.5271
Back = S 21° 49' 06.1070" E
Ahead = N 68° 10' 53.8929" E
Chord Bear = S 66° 49' 06.1070" E

Course from PT TRAIL-3 to PC TRAIL-4 N 68° 10' 53.8950" E Dist 38.7443

Curve Data

Curve TRAIL-4
P.I. Station 8+25.52 N 10,196,218.6697 E 3,210,936.3536
Delta = 50° 00' 46.1554" (LT)
Degree = 190° 59' 09.3542"
Tangent = 13.9933
Length = 26.1867
Radius = 30.0000
External = 3.1031
Long Chord = 25.3632
Mid. Ord. = 2.8122
P.C. Station 8+11.52 N 10,196,213.4689 E 3,210,923.3626
P.T. Station 8+37.71 N 10,196,231.9653 E 3,210,940.7169
C.C. N 10,196,241.3199 E 3,210,912.2127
Back = N 68° 10' 53.8929" E
Ahead = N 18° 10' 07.7375" E
Chord Bear = N 43° 10' 30.8152" E

Curve Data

Curve TRAIL-5
P.I. Station 8+51.70 N 10,196,245.2610 E 3,210,945.0803
Delta = 50° 00' 46.1555" (RT)
Degree = 190° 59' 09.3748"
Tangent = 13.9933
Length = 26.1867
Radius = 30.0000
External = 3.1031
Long Chord = 25.3632
Mid. Ord. = 2.8122
P.C. Station 8+37.71 N 10,196,231.9653 E 3,210,940.7169
P.T. Station 8+63.90 N 10,196,250.4618 E 3,210,958.0712
C.C. N 10,196,222.6108 E 3,210,969.2212
Back = N 18° 10' 07.7375" E
Ahead = N 68° 10' 53.8929" E
Chord Bear = N 43° 10' 30.8152" E

Course from PT TRAIL-5 to PC TRAIL-6 N 68° 10' 53.8929" E Dist 575.9435

Curve Data

Curve TRAIL-6
P.I. Station 14+82.70 N 10,196,480.4506 E 3,211,532.5502
Delta = 71° 04' 55.9805" (RT)
Degree = 95° 29' 34.6771"
Tangent = 42.8626
Length = 74.4371
Radius = 60.0000
External = 13.7374
Long Chord = 69.7544
Mid. Ord. = 11.1781
P.C. Station 14+39.84 N 10,196,464.5201 E 3,211,492.7580
P.T. Station 15+14.28 N 10,196,447.9726 E 3,211,560.5213
C.C. N 10,196,408.8181 E 3,211,515.0580
Back = N 68° 10' 53.8929" E
Ahead = S 40° 44' 10.1265" E
Chord Bear = S 76° 16' 38.1168" E

Course from PT TRAIL-6 to PC TRAIL-7 S 40° 44' 10.1285" E Dist 47.6402

Curve Data

Curve TRAIL-7
P.I. Station 15+83.35 N 10,196,395.6356 E 3,211,605.5958
Delta = 71° 04' 55.9806" (LT)
Degree = 190° 59' 09.3542"
Tangent = 21.4313
Length = 37.2186
Radius = 30.0000
External = 6.8687
Long Chord = 34.8772
Mid. Ord. = 5.5890
P.C. Station 15+61.92 N 10,196,411.8746 E 3,211,591.6102
P.T. Station 15+99.14 N 10,196,403.6009 E 3,211,625.4919
C.C. N 10,196,431.4519 E 3,211,614.3419
Back = S 40° 44' 10.1265" E
Ahead = N 68° 10' 53.8929" E
Chord Bear = S 76° 16' 38.1168" E

Course from PT TRAIL-7 to TRAIL002 N 68° 10' 53.8942" E Dist 49.9177

Point TRAIL002 N 10,196,422.1536 E 3,211,671.8338 Sta 16+49.05

Course from TRAIL002 to TRAIL003 N 30° 29' 11.9999" E Dist 6.9630

Point TRAIL003 N 10,196,428.1539 E 3,211,675.3664 Sta 16+56.02

==========
Ending chain TRAIL description

Chain DRWYA contains:
DRWYA001 DRWYA002

Beginning chain DRWYA description
==========

Point DRWYA001 N 10,196,666.8748 E 3,210,721.5657 Sta 1+00.00

Course from DRWYA001 to DRWYA002 S 68° 10' 53.8942" W Dist 70.0000

Point DRWYA002 N 10,196,640.8583 E 3,210,656.5800 Sta 1+70.00

==========
Ending chain DRWYA description

Chain DRWYB contains:
DRWYB001 DRWYB002

Beginning chain DRWYB description
==========

Point DRWYB001 N 10,196,513.6344 E 3,210,782.7162 Sta 1+00.00

Course from DRWYB001 to DRWYB002 S 68° 10' 53.8915" W Dist 70.0000

Point DRWYB002 N 10,196,487.6178 E 3,210,717.7305 Sta 1+70.00

==========
Ending chain DRWYB description

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WILLIAMSON COUNTY 1848

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Revision		
No.	Date	Description

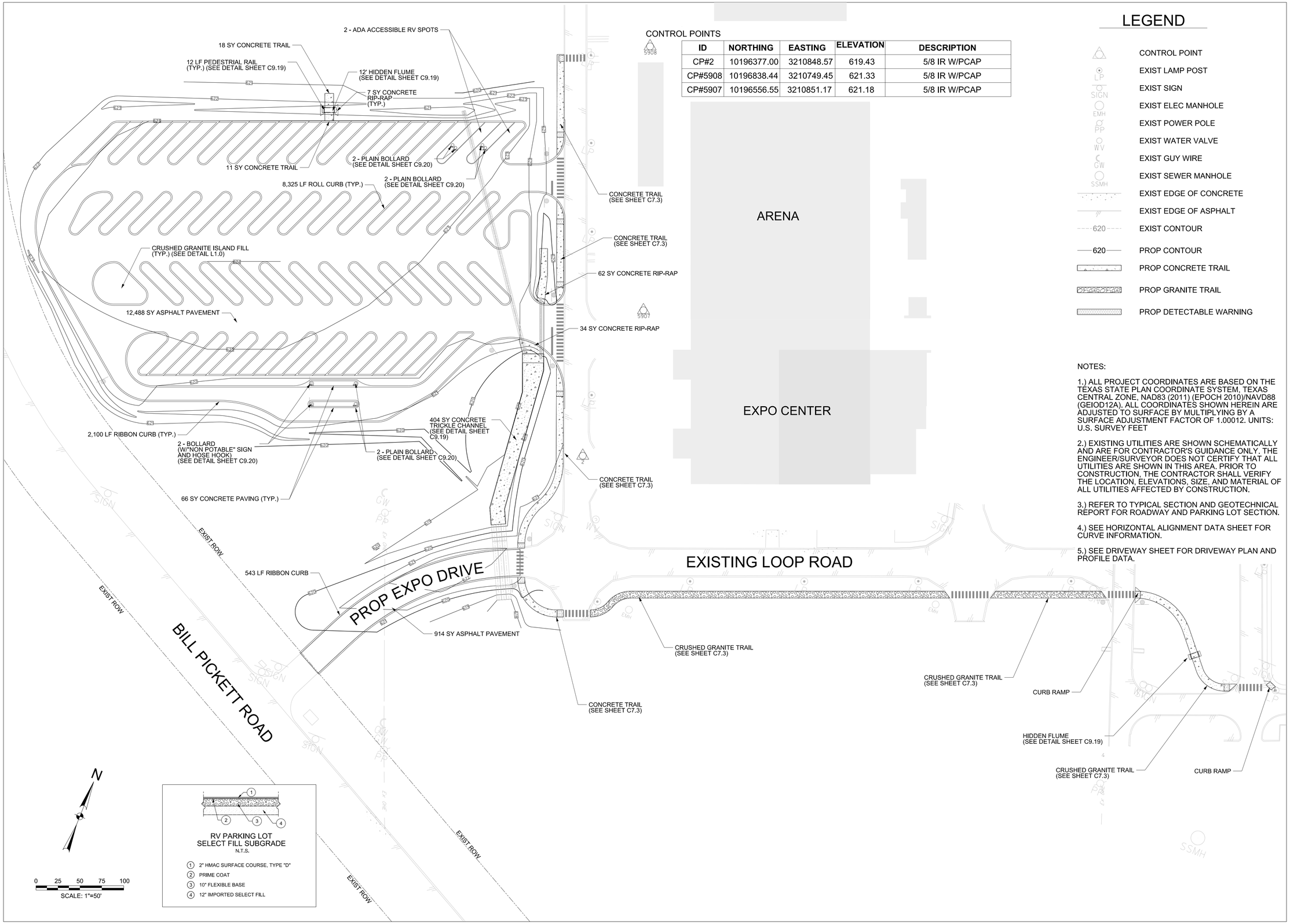
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

HORIZONTAL ALIGNMENT DATA

C0.3



CONTROL POINTS

ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP#2	10196377.00	3210848.57	619.43	5/8 IR W/PCAP
CP#5908	10196838.44	3210749.45	621.33	5/8 IR W/PCAP
CP#5907	10196556.55	3210851.17	621.18	5/8 IR W/PCAP

RV PARKING LOT
SELECT FILL SUBGRADE
N.T.S.

1. 2" HMAC SURFACE COURSE, TYPE "D"
2. PRIME COAT
3. 10" FLEXIBLE BASE
4. 12" IMPORTED SELECT FILL

LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- 620 EXIST CONTOUR
- 620 PROP CONTOUR
- PROP CONCRETE TRAIL
- PROP GRANITE TRAIL
- PROP DETECTABLE WARNING

NOTES:

1.) ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLAN COORDINATE SYSTEM, TEXAS CENTRAL ZONE, NAD83 (2011) (EPOCH 2010)/NAVD88 (GEIOD12A). ALL COORDINATES SHOWN HEREIN ARE ADJUSTED TO SURFACE BY MULTIPLYING BY A SURFACE ADJUSTMENT FACTOR OF 1.00012. UNITS: U.S. SURVEY FEET

2.) EXISTING UTILITIES ARE SHOWN SCHEMATICALLY AND ARE FOR CONTRACTOR'S GUIDANCE ONLY. THE ENGINEER/SURVEYOR DOES NOT CERTIFY THAT ALL UTILITIES ARE SHOWN IN THIS AREA. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATIONS, SIZE, AND MATERIAL OF ALL UTILITIES AFFECTED BY CONSTRUCTION.

3.) REFER TO TYPICAL SECTION AND GEOTECHNICAL REPORT FOR ROADWAY AND PARKING LOT SECTION.

4.) SEE HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE INFORMATION.

5.) SEE DRIVEWAY SHEET FOR DRIVEWAY PLAN AND PROFILE DATA.

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Taylor, Texas 76574

WILLIAMSON COUNTY 1848

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Revision No.	Date	Description

P-313 12.4.17
STATE OF TEXAS
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98190
LICENSED
PROFESSIONAL ENGINEER

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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

SITE PLAN &
SURVEY CONTROL

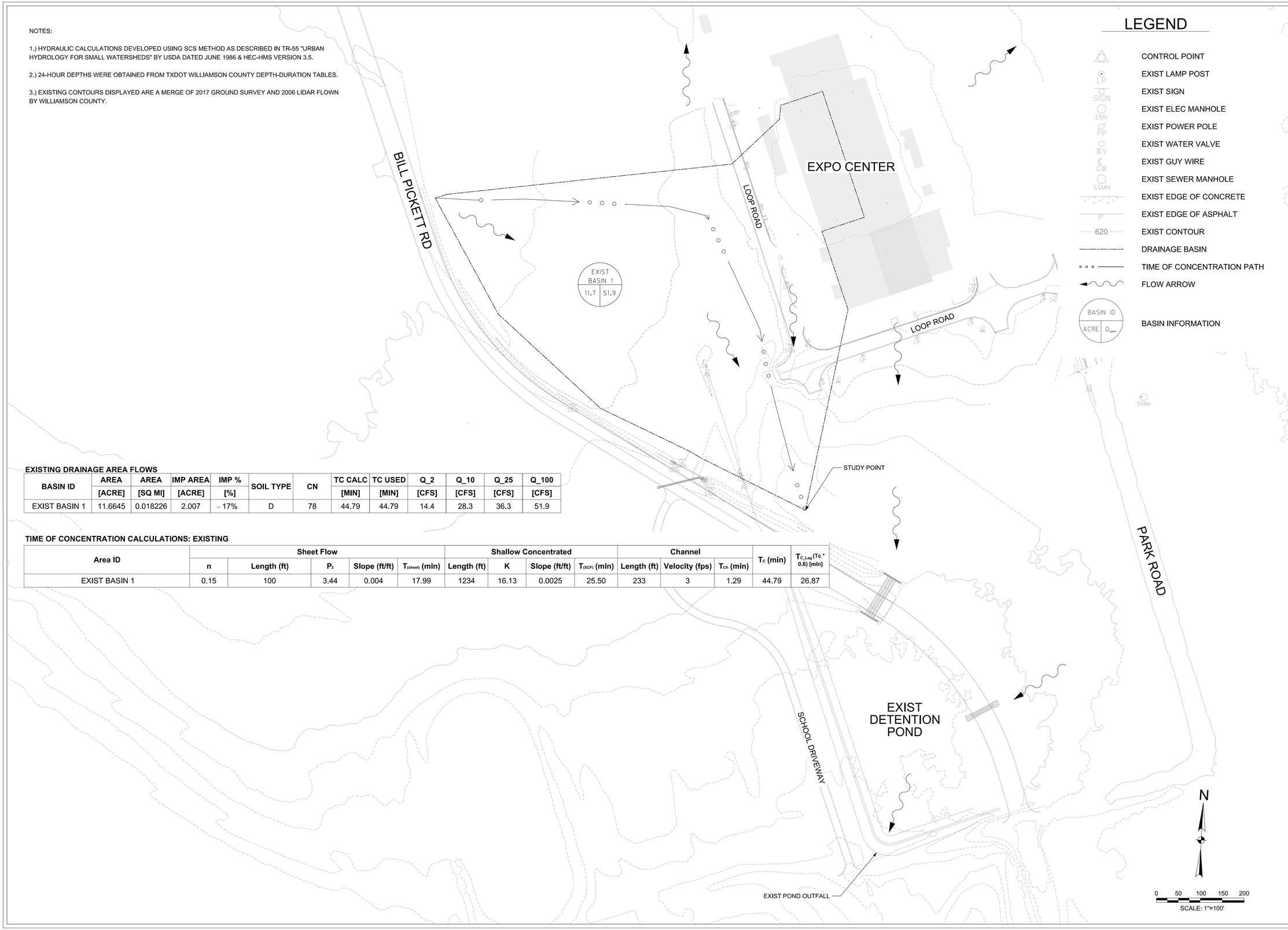
C1.1

NOTES:

1.) HYDRAULIC CALCULATIONS DEVELOPED USING SCS METHOD AS DESCRIBED IN TR-55 "URBAN HYDROLOGY FOR SMALL WATERSHEDS" BY USDA DATED JUNE 1986 & HEC-HMS VERSION 3.5.

2.) 24-HOUR DEPTHS WERE OBTAINED FROM TXDOT WILLIAMSON COUNTY DEPTH-DURATION TABLES.

3.) EXISTING CONTOURS DISPLAYED ARE A MERGE OF 2017 GROUND SURVEY AND 2006 LIDAR FLOWN BY WILLIAMSON COUNTY.



LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- EXIST CONTOUR
- DRAINAGE BASIN
- TIME OF CONCENTRATION PATH
- FLOW ARROW
- BASIN INFORMATION (BASIN ID / ACRE / Q_{appx})

EXISTING DRAINAGE AREA FLOWS

BASIN ID	AREA [ACRE]	AREA [SQ MI]	IMP AREA [ACRE]	IMP % [%]	SOIL TYPE	CN	TC CALC [MIN]	TC USED [MIN]	Q_2 [CFS]	Q_10 [CFS]	Q_25 [CFS]	Q_100 [CFS]
EXIST BASIN 1	11.6645	0.018226	2.007	17%	D	78	44.79	44.79	14.4	28.3	36.3	51.9

TIME OF CONCENTRATION CALCULATIONS: EXISTING

Area ID	Sheet Flow					Shallow Concentrated				Channel			T_c (min)	T_{c_Lag} (T_c * 0.6) [min]
	n	Length (ft)	P_2	Slope (ft/ft)	$T_{(sheet)}$ (min)	Length (ft)	K	Slope (ft/ft)	$T_{(SCF)}$ (min)	Length (ft)	Velocity (fps)	T_{CH} (min)		
EXIST BASIN 1	0.15	100	3.44	0.004	17.99	1234	16.13	0.0025	25.50	233	3	1.29	44.79	26.87

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Revision No.	Date	Description

F-312 12.4.17

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Project No.:	32388
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Checked By:	SB

EXISTING DRAINAGE AREA MAP

C2.1

NOTES:

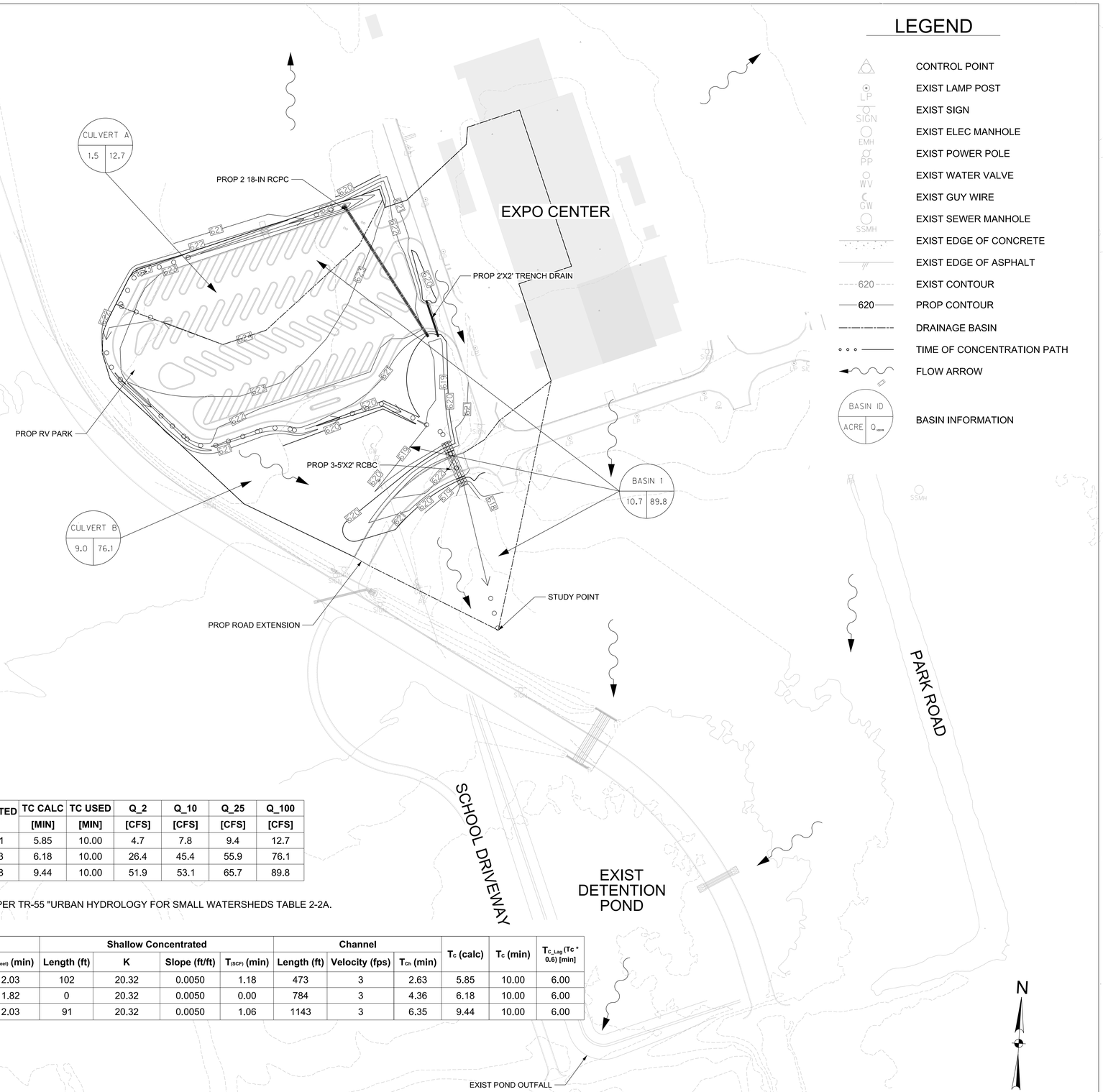
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3.) EXISTING CONTOURS DISPLAYED ARE A MERGE OF 2017 GROUND SURVEY AND 2006 LIDAR FLOWN BY WILLIAMSON COUNTY.

4.) EXISTING DETENTION FACILITIES WERE DEVELOPED AS PART OF THE EXPO CENTER MASTER PLAN AS SHOWN IN WILLIAMSON COUNTY EXPO CENTER RECORD DRAWING SET DATED JAN. 20, 2017 BY HALFF ASSOCIATES WHICH INCLUDES THE PROPOSED IMPROVEMENTS AS PART OF THE CALCULATIONS FOR REQUIRED DETENTION.

5.) MASTER PLANNED CURVE NUMBER OF 94.98 EXCEEDS THE PROPOSED CURVE NUMBER OF 89.58 THEREFORE NO ADDITIONAL DETENTION IS REQUIRED.



LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- EXIST CONTOUR
- PROP CONTOUR
- DRAINAGE BASIN
- TIME OF CONCENTRATION PATH
- FLOW ARROW
- BASIN INFORMATION (BASIN ID / ACRE / Q_{100})

PROPOSED DRAINAGE AREA FLOWS

BASIN ID	AREA [ACRE]	AREA [SQ MI]	IMP AREA [ACRE]	IMP % [%]	SOIL TYPE	BASE CN	WEIGHTED CN*	TC CALC [MIN]	TC USED [MIN]	Q_2 [CFS]	Q_10 [CFS]	Q_25 [CFS]	Q_100 [CFS]
CULVERT A (RV PARK)	1.4739	0.002303	1.2535	85.0%	D	78	95.01	5.85	10.00	4.7	7.8	9.4	12.7
CULVERT B (ROAD)	9.0109	0.01408	5.8241	64.6%	D	78	90.93	6.18	10.00	26.4	45.4	55.9	76.1
BASIN 1	10.7299	0.016765	6.2151	57.9%	D	78	89.58	9.44	10.00	51.9	53.1	65.7	89.8

*IMPERVIOUS AREA ASSUMED AT CN=98 PER FULLY DEVELOPED URBAN AREA PAVED SOIL GROUP D PER TR-55 "URBAN HYDROLOGY FOR SMALL WATERSHEDS TABLE 2-2A.

TIME OF CONCENTRATION CALCULATIONS: PROPOSED

Area ID	Sheet Flow					Shallow Concentrated				Channel			T_C (calc)	T_C (min)	T_{C_Lag} (Tc * 0.6) [min]
	n	Length (ft)	P_2	Slope (ft/ft)	$T_{(sheet)}$ (min)	Length (ft)	K	Slope (ft/ft)	$T_{(SCF)}$ (min)	Length (ft)	Velocity (fps)	T_{Ch} (min)			
CULVERT A (RV PARK)	0.011	100	3.44	0.005	2.03	102	20.32	0.0050	1.18	473	3	2.63	5.85	10.00	6.00
CULVERT B (ROAD)	0.011	87	3.44	0.005	1.82	0	20.32	0.0050	0.00	784	3	4.36	6.18	10.00	6.00
BASIN 1	0.011	100	3.44	0.005	2.03	91	20.32	0.0050	1.06	1143	3	6.35	9.44	10.00	6.00

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TBPE FIRM#F-312

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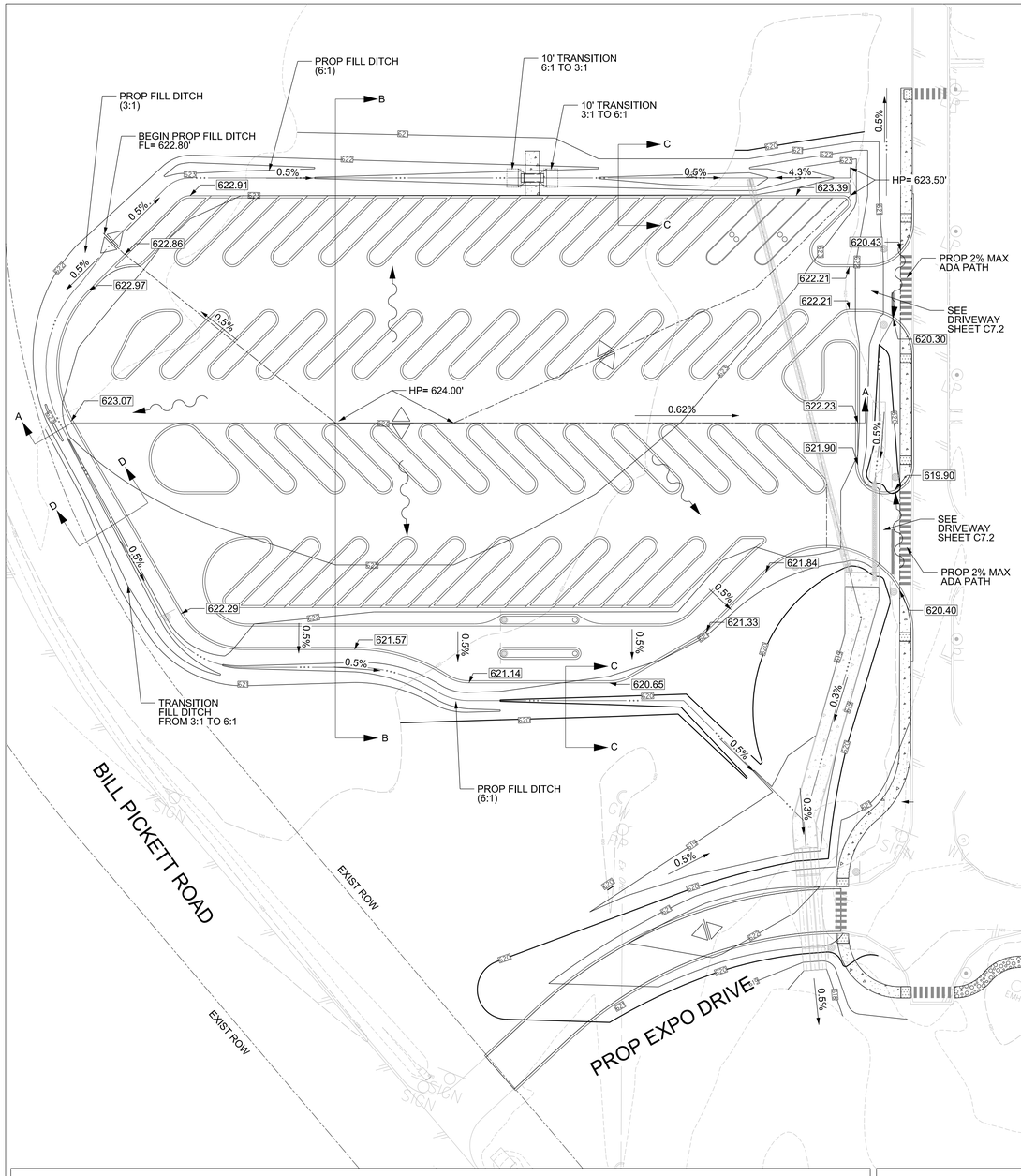
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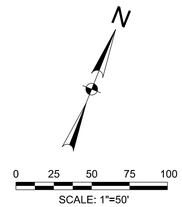
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Project No.: 32388
Issued: 12/04/2017
Drawn By: JN
Checked By: SB

PROPOSED DRAINAGE AREA MAP

C2.2





LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- 620 EXIST CONTOUR
- 620 PROP CONTOUR
- PROP BREAKLINE
- PROP DITCH FLOWLINE
- PROP FLOW ARROW
- PROP GRADE BREAK

NOTES:

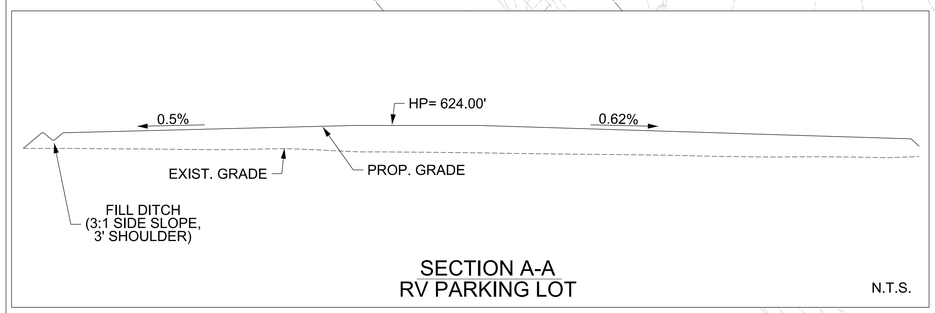
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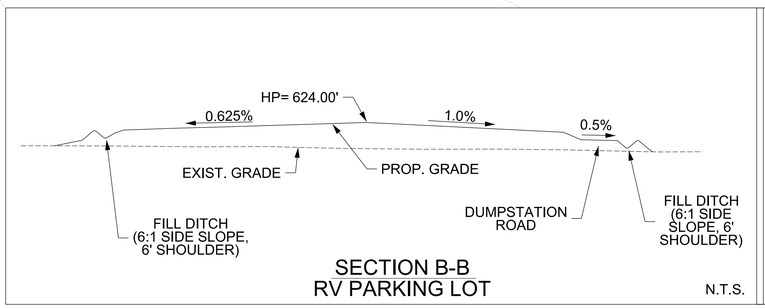
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4.) SEE HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE INFORMATION.

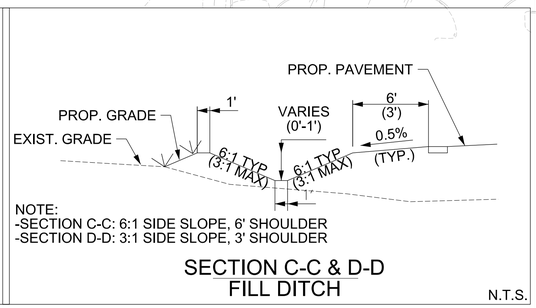
5.) SEE DRIVEWAY SHEET FOR DRIVEWAY PLAN AND PROFILE DATA.



SECTION A-A
RV PARKING LOT
N.T.S.



SECTION B-B
RV PARKING LOT
N.T.S.



SECTION C-C & D-D
FILL DITCH
N.T.S.

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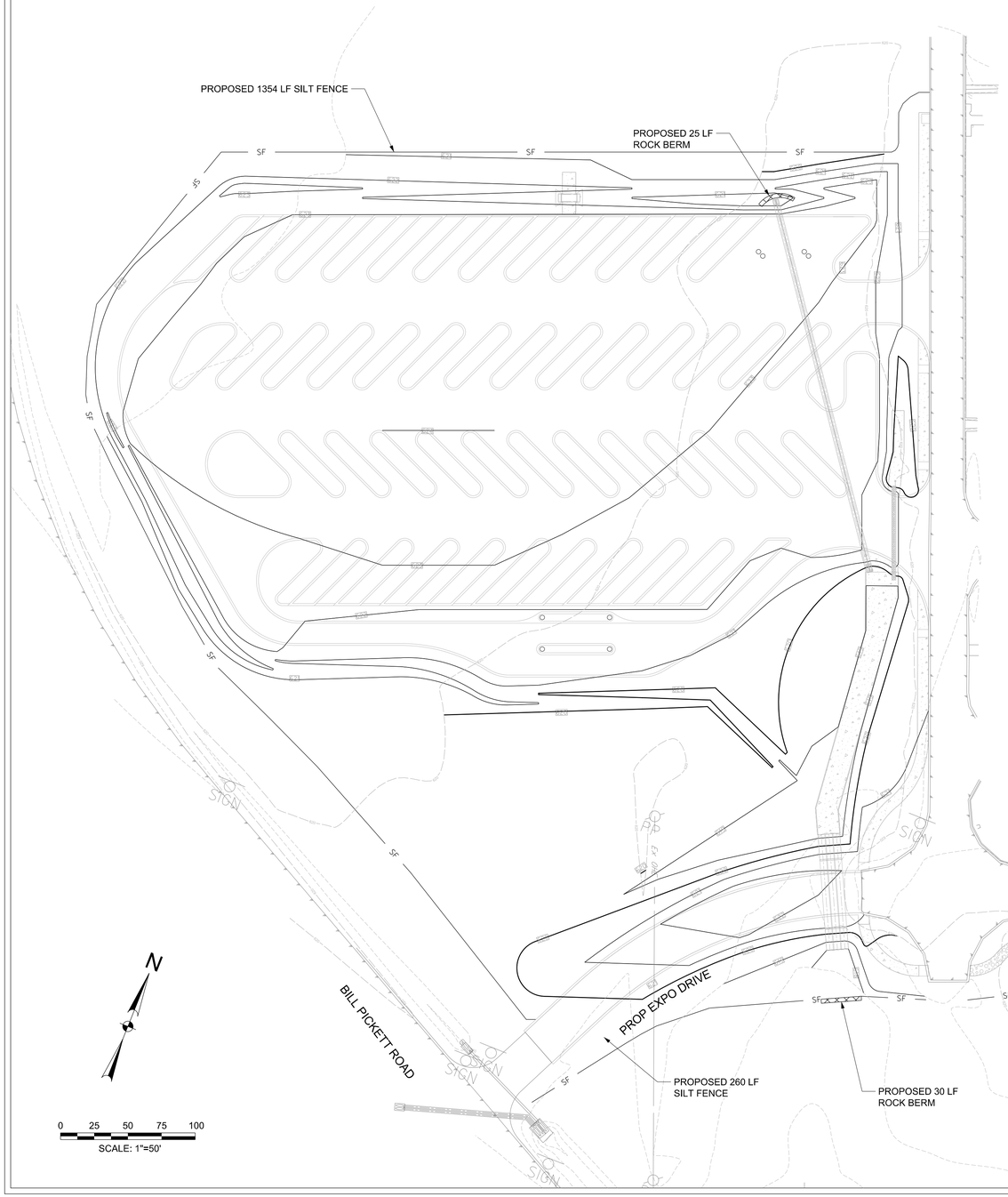
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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

GRADING PLAN

C3.1



LEGEND

- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- 620 — EXIST CONTOUR
- 620 — PROP CONTOUR
- SF — PROP SILT FENCE
- PROP CONCRETE TRAIL
- PROP GRANITE TRAIL
- PROP ROCK BERM

NOTES:

1.) CONTRACTOR TO INSTALL EROSION AND SEDIMENT CONTROLS PRIOR TO BEGINING ANY OTHER WORK.

2.) EXISTING UTILITIES ARE SHOWN SCHEMATICALLY AND ARE FOR CONTRACTOR'S GUIDANCE ONLY. THE ENGINEER/SURVEYOR DOES NOT CERTIFY THAT ALL UTILITIES ARE SHOWN IN THIS AREA. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATIONS, SIZE, AND MIATERIAL OF ALL UTILITIES AFFECTED BY CONSTRUCTION.

3.) CONTRACTOR TO COORDINATE LOCATION OF CONSTRUCTION ENTRANCE WITH COUNTY PRIOR TO INSTALLATION.

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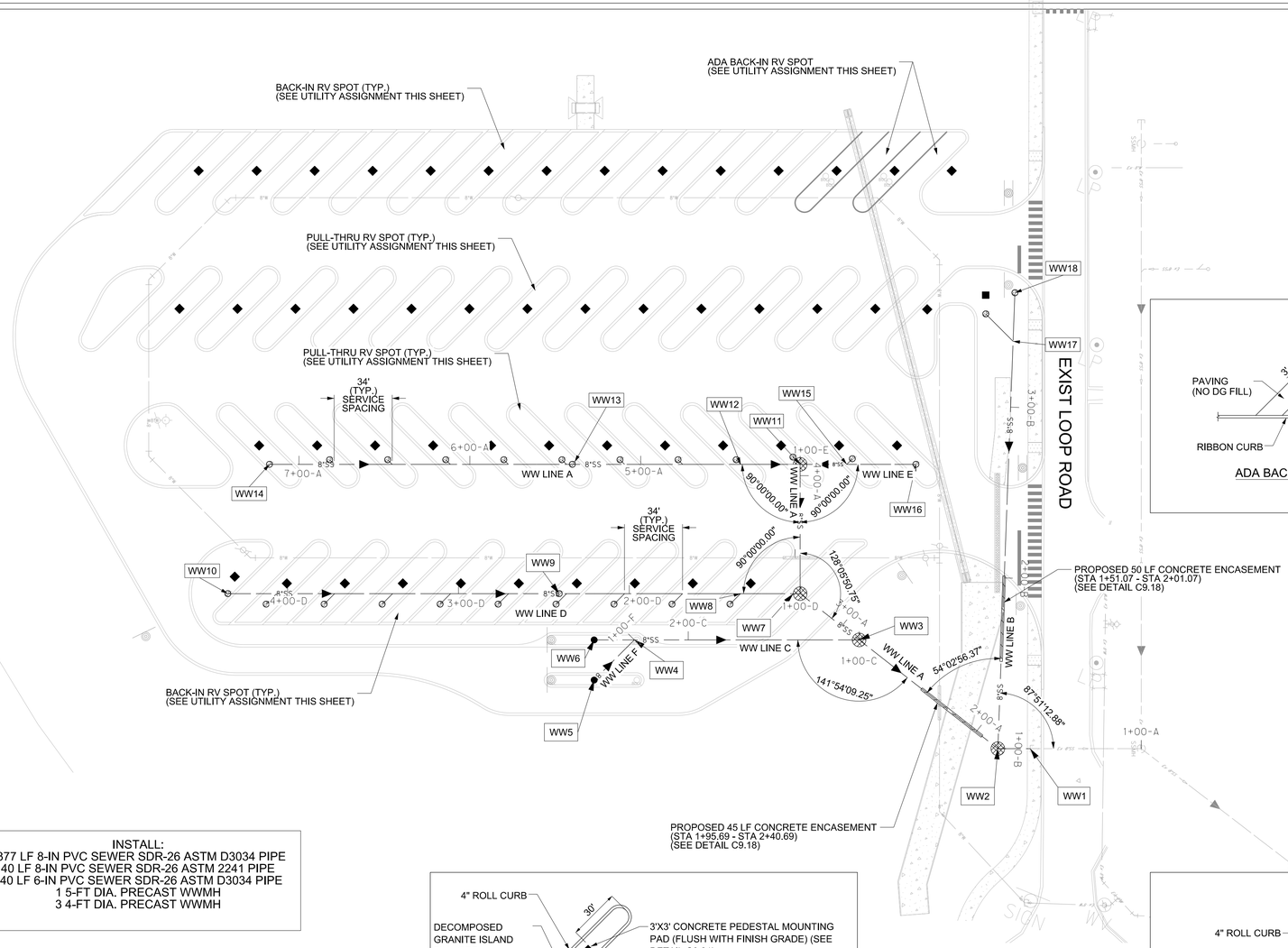
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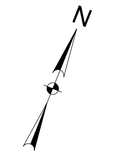
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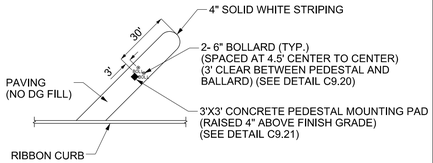
Project No.:	32388
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Drawn By:	JN
Checked By:	SB

EROSION CONTROL

C3.2







ADA BACK-IN ISLAND UTILITY ASSIGNMENT
N.T.S.

LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- PROP WASTEWATER
- PROP WATER
- PROP WASTEWATER
- PROP WATER
- PROP CONCRETE PEDESTAL PAD AND PEDESTAL
- PROP WASTEWATER CLEANOUT
- PROP WASTEWATER MH
- PROP ENCASEMENT

NOTES:

1.) THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON INFORMATION PROVIDED BY COUNTY STAFF TO THE BEST OF THEIR KNOWLEDGE. THERE MAY BE OTHER UNKNOWN EXISTING UTILITIES NOT SHOWN ON THE PLANS. ALL EXISTING UTILITIES SHALL BE FIELD VERIFIED AND PROTECTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

2.) SEE SHEET C4.2 FOR WW PROFILES.

3.) CONTRACTOR TO VERIFY DEPTH OF EXIST WWL PRIOR TO WORK. NOTIFY ENGINEER IMMEDIATELY IF EXIST WW FL DIFFERS FROM WHAT IS SHOWN ON PLANS.

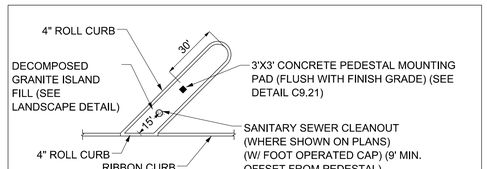
4.) ALL WASTEWATER MAINS SHALL BE INSTALLED WITH CRUSHED STONE BEDDING.

5.) AT WATER - WASTEWATER CROSSING LOCATIONS WASTEWATER PIPE SHALL BE ASTM-2241 FOR MIN. 20-FT CENTERED ON CROSSING.

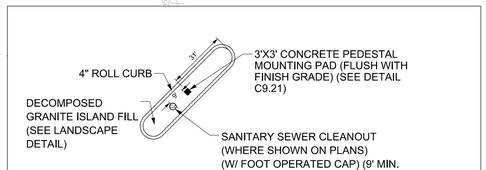
6.) WATERLINE TO BE INSTALLED MIN. 3-FT BELOW FINAL GRADE. WHERE WATERLINE CROSSES UNDER WASTEWATER, WATERLINE TO BE INSTALLED MIN 1-FT BELOW WASTEWATER.

7.) SEWER SERVICES TO BE INSTALLED WITH FOOT OPERATED LOCKING LID ENVIRO DESIGN PRODUCTS FOOTLOOSE SEWER CAP OR EQUAL. SUBSIDIARY TO SEWER SERVICE BID ITEM

INSTALL:
1377 LF 8-IN PVC SEWER SDR-26 ASTM D3034 PIPE
40 LF 8-IN PVC SEWER SDR-26 ASTM 2241 PIPE
140 LF 6-IN PVC SEWER SDR-26 ASTM D3034 PIPE
1 5-FT DIA. PRECAST WWMH
3 4-FT DIA. PRECAST WWMH



TYPICAL BACK-IN ISLAND UTILITY ASSIGNMENT
N.T.S.



TYPICAL PULL-THRU ISLAND UTILITY ASSIGNMENT
N.T.S.

WW1 — STA 1+65.00 ~ 8" WW-A
CONNECT TO EXIST 8" WASTEWATER STUB
BEGIN WW-A
N= 10196383.90
E= 3210815.00

WW2 — STA 1+83.93 ~ 8" WW-A
= STA 1+00 ~ 8" WW-B
BEGIN PROP. WW-B
CONNECT PROP. 8" OUT LINE-A (E)
CONNECT PROP. 8" IN LINE-B (N)
CONNECT PROP 8" IN LINE-A (NW)
INSTALL:
1 - 4' DIA. PRE-CAST WWMH A2
N= 10196376.86
E= 3210797.43

WW3 — STA 2+87.08~ 8" WW-A
= STA 1+00 ~ 8" WW-C
BEGIN PROP. WW-C
CONNECT PROP. 8" OUT LINE-A (SE)
CONNECT PROP. 8" IN LINE-A (NW)
CONNECT PROP 8" IN LINE-C (W)
INSTALL:
1 - 5' DIA. PRE-CAST WWMH A3
N= 10196405.77
E= 3210698.40

WW4 — STA 2+31.61 ~ 8" WW-C
= STA 1+00 ~ 8" WW-F
INSTALL:
1-45° WYE (8"x8")
N= 10196356.86
E= 3210576.22

WW5 — STA 1+33.23 ~ 8" WW-F
INSTALL:
1- CLEANOUT
1-DUMPSTATION LOCKING LID
(SEE DETAIL)
END WW-F
N= 10196326.31
E= 3210563.14

WW6 — STA 2+55.11 ~ 8" WW-C
INSTALL:
1-CLEANOUT
1-DUMSTATION LOCKING LID
(SEE DETAIL)
END WW-C
N= 10196348.13
E= 3210554.41

WW7 — STA 3+30.95 ~ 8" WW-A
= STA 1+00 ~ 8" WW-D
BEGIN PROP. WW-D
CONNECT PROP. 8" OUT LINE-A (SE)
CONNECT PROP. 8" IN LINE-A (N)
CONNECT PROP 8" IN LINE-D (W)
INSTALL:
1 - 4' DIA. PRE-CAST WWMH A4
N= 10196418.07
E= 3210656.30

WW8 — STA 1+34.90 ~ 8" WW-D
INSTALL:
1-45° WYE (8"x6") (TYP.)
9 LF 6-IN SEWER @ 0.5% (SW) (TYP.)
1-CLEANOUT (6") (SW) (TYP.)
TYPICAL ALL SERVICES LINE D
N= 10196405.10
E= 3210623.90

WW9 — STA 2+41.02 ~ 8" WW-D
INSTALL:
1-TWO-WAY CLEANOUT
N= 10196365.66
E= 3210525.39

WW10 — STA 2+35.02 ~ 8" WW-D
INSTALL:
1-CLEANOUT (8")
END WW-D
N= 10196293.55
E= 3210345.28

WW11 — STA 4+06.63 ~ 8" WW-A
= STA 1+00 ~ 8" WW-E
BEGIN PROP. WW-E
CONNECT PROP. 8" OUT LINE-A (S)
CONNECT PROP. 8" IN LINE-E (E)
CONNECT PROP 8" IN LINE-A (W)
INSTALL:
1 - 4' DIA. PRE-CAST WWMH A5
14 LF 6-IN SEWER @ 0.5% (NW)
1-CLEANOUT (6") (NW)
N= 10196488.32
E= 3210628.17

WW12 — STA 4+41.40 ~ 8" WW-A
INSTALL:
1-45^ WYE (8"X6")(TYP.)
4 LF 6-IN SEWER @ 0.5% (NW) (TYP.)
1-CLEANOUT (6") (NW) (TYP.)
TYPICAL ALL SERVICES LINE A
N= 10196475.40
E= 3210595.89

WW13 — STA 5+40.00 ~ 8" WW-A
INSTALL:
1-TWO-WAY CLEANOUT
N= 10196438.76
E= 3210504.36

WW14 — STA 7+19.56 ~ 8" WW-A
INSTALL:
1-CLEANOUT (8")
END WW-A
N= 10196372.02
E= 3210337.66

WW15 — STA 1+27.25 ~ 8" WW-E
INSTALL:
1-45° WYE (8"x6") (TYP.)
10 LF 6-IN SEWER @ 0.5% (NE)
1-CLEANOUT (6") (NE)
N= 10196498.45
E= 3210653.47

WW16 — STA 1+67.74 ~ 8" WW-E
INSTALL:
1-CLEANOUT (8")
END WW-E
N= 10196513.50
E= 3210691.06

WW17 — STA 3+38.56 ~ 8" WW-B
INSTALL:
1-45° WYE (8"x6")
23 LF 6-IN SEWER @ 0.5% (NE)
1-CLEANOUT (6") (NW)
N= 10196601.50
E= 3210717.12

WW18 — STA 3+67.00 ~ 8" WW-B
INSTALL:
1-CLEANOUT (8")
END WW-B
N= 10196628.27
E= 3210707.55

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BLDG F, SUITE 125
AUSTIN, TEXAS 78729
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FAX (512) 252-3141
TBPE FIRM#F-312

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

Revision No.	Date	Description

F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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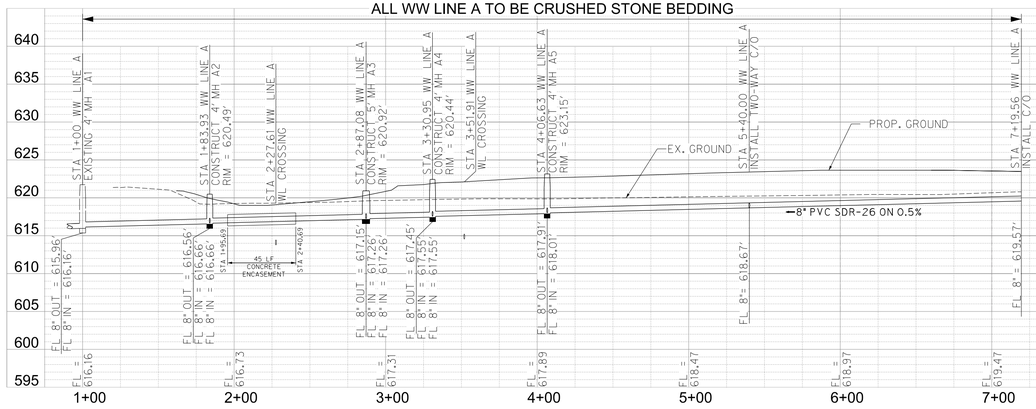
Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

WASTE WATER PLAN

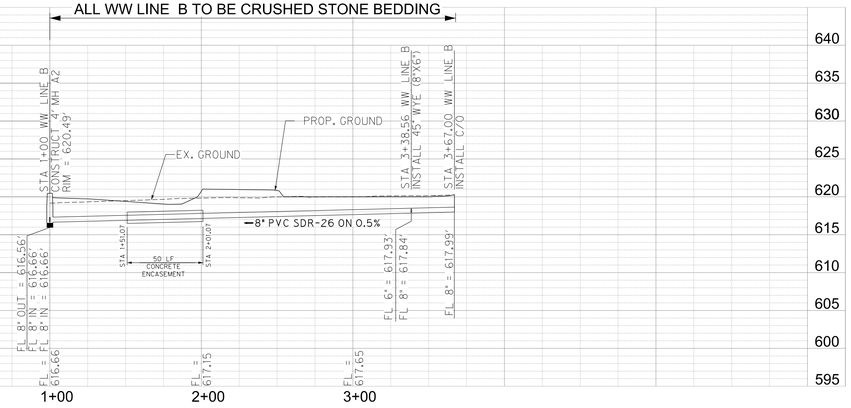
C4.1

H: 1" = 50'
V: 1" = 10'
ON 22X34

WW LINE A



WW LINE B



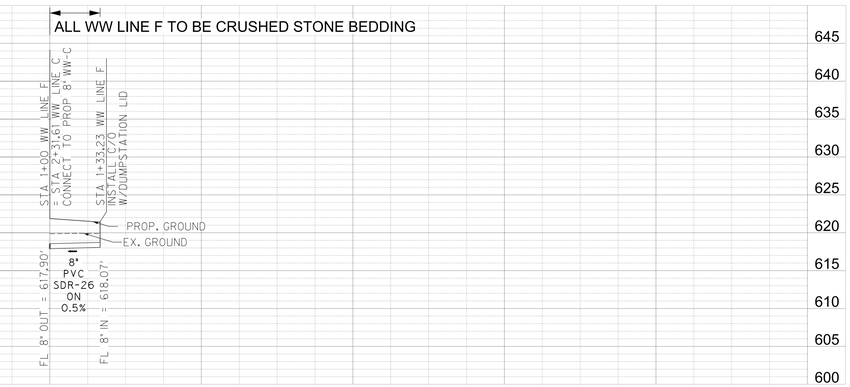
WW LINE C

WW LINE D

WW LINE E



WW LINE F



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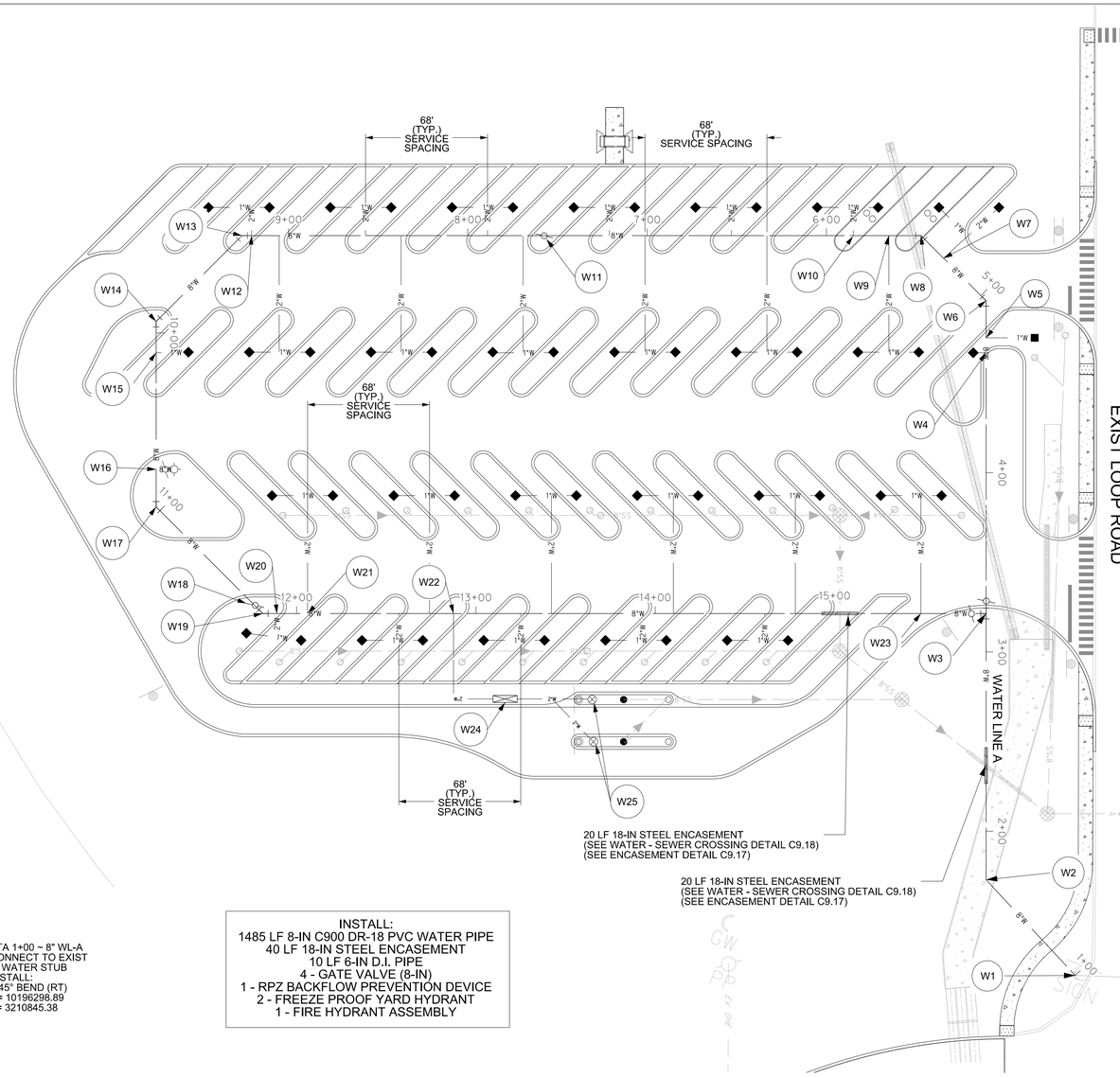
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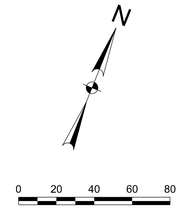
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Checked By:	SB

WASTE WATER PROFILES

C4.2





NOTE: WATER SERVED BY MASTER METER INSTALLED AS PART OF EXPO RENOVATION

INSTALL:
1485 LF 8-IN C900 DR-18 PVC WATER PIPE
40 LF 18-IN STEEL ENCASEMENT
10 LF 6-IN D.I. PIPE
4 - GATE VALVE (8-IN)
1 - RPZ BACKFLOW PREVENTION DEVICE
2 - FREEZE PROOF YARD HYDRANT
1 - FIRE HYDRANT ASSEMBLY

LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- PROP WASTEWATER
- PROP WATER
- PROP WASTEWATER
- PROP WATER
- PROP CONCRETE PEDESTAL PAD AND PEDESTAL
- PROP WASTEWATER CLEANOUT
- PROP WASTEWATER MH
- PROP ENCASEMENT

NOTES:

1.) THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON INFORMATION PROVIDED BY COUNTY STAFF TO THE BEST OF THEIR KNOWLEDGE. THERE MAY BE OTHER UNKNOWN EXISTING UTILITIES NOT SHOWN ON THE PLANS. ALL EXISTING UTILITIES SHALL BE FIELD VERIFIED AND PROTECTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

2.) SEE SHEET C4.2 FOR WW PROFILES.

3.) CONTRACTOR TO VERIFY DEPTH OF EXIST WWL PRIOR TO WORK. NOTIFY ENGINEER IMMEDIATELY IF EXIST WW FL DIFFERS FROM WHAT IS SHOWN ON PLANS.

4.) ALL WASTEWATER MAINS SHALL BE INSTALLED WITH CRUSHED STONE BEDDING.

5.) AT WATER - WASTEWATER CROSSING LOCATIONS WASTEWATER PIPE SHALL BE ASTM-2241 FOR MIN. 20-FT CENTERED ON CROSSING.

6.) WATERLINE TO BE INSTALLED MIN. 3-FT BELOW FINAL GRADE. WHERE WATERLINE CROSSES UNDER WASTEWATER, WATERLINE TO BE INSTALLED MIN 1-FT BELOW WASTEWATER.

W1 STA 1+00 ~ 8" WL-A
CONNECT TO EXIST 8" WATER STUB
INSTALL:
1-45° BEND (RT)
N= 10196298.89
E= 3210845.38

W2 STA 1+72.93 ~ 8" WL-A
INSTALL:
1- 45° BEND (RT)
N= 10196329.93
E= 3210779.40

W3 STA 3+21.45 ~ 8" WL-A = STA 15+84.46 ~ 8" WL-A END WL-A
INSTALL:
1- 8" x 8" M.J. TEE
1- GATE VALVE (8") (W)
1- GATE VALVE (8") (N)
N= 10196467.82
E= 3210724.19

W4 STA 4+66.88 ~ 8" WL-A
CONNECT TO PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x1")
1- CORP STOP (1")
5 LF 1" HDPE (W)
N= 10196602.83
E= 3210670.14

W5 STA 4+75.21 ~ 8" WL-A
CONNECT TO PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x1")
1- CORP STOP (1")
25 LF 1" HDPE (E)
N= 10196610.56
E= 3210667.05

W6 STA 4+95.91 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196629.78
E= 3210659.36

W7 STA 5+29.43 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2")
1- CORP STOP (2")
20 LF 2" HDPE (NE)
1- TEE (2"X1"X1")
40 LF 1" HDPE (NW)
N= 10196642.97
E= 3210628.54

W8 STA 5+47.27 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196650.00
E= 3210612.14

W9 STA 5+65.16 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2") (TYP.)
1- CORP STOP (2") (TYP.)
65 LF 2" HDPE (S) (TYP.)
1- TEE (2"X1"X1") (S) (TYP.)
30 LF 1" HDPE (S) (TYP.)
TYPICAL FOR LONG SIDE SERVICES
STA 5+65.16 THRU STA 9+05.16
N= 10196643.35
E= 3210595.53

W10 STA 5+86.97 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2") (TYP.)
1- CORP STOP (2") (TYP.)
18 LF 2" HDPE (N) (TYP.)
1- TEE (2"X1"X1") (N) (TYP.)
30 LF 1" HDPE (N) (TYP.)
TYPICAL FOR SHORT SIDE SERVICES
STA 5+84.97 THRU STA 8+56.97
N= 10196635.98
E= 3210577.14

W11 STA 7+57.33 ~ 8" WL-A
INSTALL:
1- 8" GATE VALVE
N= 10196571.85
E= 3210417.06

W12 STA 9+20.51 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2")
1- CORP STOP (2")
18 LF 2" HDPE (N)
1- TEE (2"X1"X1")
30 LF 1" HDPE (N)
N= 10196511.27
E= 3210265.63

W13 STA 9+25.85 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196509.29
E= 3210260.67

W14 STA 9+93.61 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196447.00
E= 3210234.00

W15 STA 10+11.04 ~ 8" WL-A
CONNECT TO PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x1")
1- CORP STOP (1")
23 LF 1" HDPE (E)
N= 10196430.82
E= 3210240.48

W16 STA 10+76.03 ~ 8" WL-A
INSTALL:
1-TEE (8"X6")
1- 6" GATE VALVE (E)
10 LF 6" D.I. PIPE (E)
1- FIRE HYDRANT ASSEMBLY (E)
N= 10196370.49
E= 3210264.63

W17 STA 10+97.02 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196351.00
E= 3210272.44

W18 STA 11+74.90 ~ 8" WL-A
INSTALL:
1- 8" GATE VALVE
N= 10196320.60
E= 3210344.14

W19 STA 11+81.09 ~ 8" WL-A
INSTALL:
1- 45° BEND (LT)
N= 10196317.90
E= 3210349.72

W20 STA 11+88.99 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2") (TYP.)
1- CORP STOP (2") (TYP.)
11 LF 2" HDPE (S) (TYP.)
1- TEE (2"X1"X1") (S) (TYP.)
30 LF 1" HDPE (S) (TYP.)
TYPICAL FOR SHORT SIDE SERVICES
STA 11+88.99 THRU STA 14+60.99
N= 10196320.84
E= 3210357.05

W21 STA 12+06.08 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2") (TYP.)
1- CORP STOP (2") (TYP.)
62 LF 2" HDPE (N) (TYP.)
1- TEE (2"X1"X1") (TYP.)
30 LF 1" HDPE (N) (TYP.)
TYPICAL FOR LONG SIDE SERVICES
STA 12+06.08 THRU STA 14+78.08
N= 10196327.19
E= 3210372.92

W22 STA 12+87.48 ~ 8" WL-A
INSTALL:
1-DBL BALE TAP SADDLE (8"x2")
1- CORP STOP (2")
133 LF 2" HDPE (S)
N= 10196357.44
E= 3210448.48

W23 STA 15+48.08 ~ 8" WL-A
CONNECT TO 2- PROP PEDESTAL
INSTALL:
1-DBL BALE TAP SADDLE (8"x2")
1- CORP STOP (2")
62 LF 2" HDPE (N)
1- TEE (2"X1"X1")
30 LF 1" HDPE (N)
N= 10196454.30
E= 3210690.42

W24 INSTALL:
1- BACK FLOW PREVENTION DEVICE (RPZ) (WATTS SERIES 009, OR APPROVED EQUAL)
N= 10196323.86
E= 3210492.91

W25 INSTALL:
2- FREEZE-PROOF YARD HYDRANTS
(9-FT MIN. SEPARATION FROM SEWER)
(SEE DUMP STATION DETAIL)

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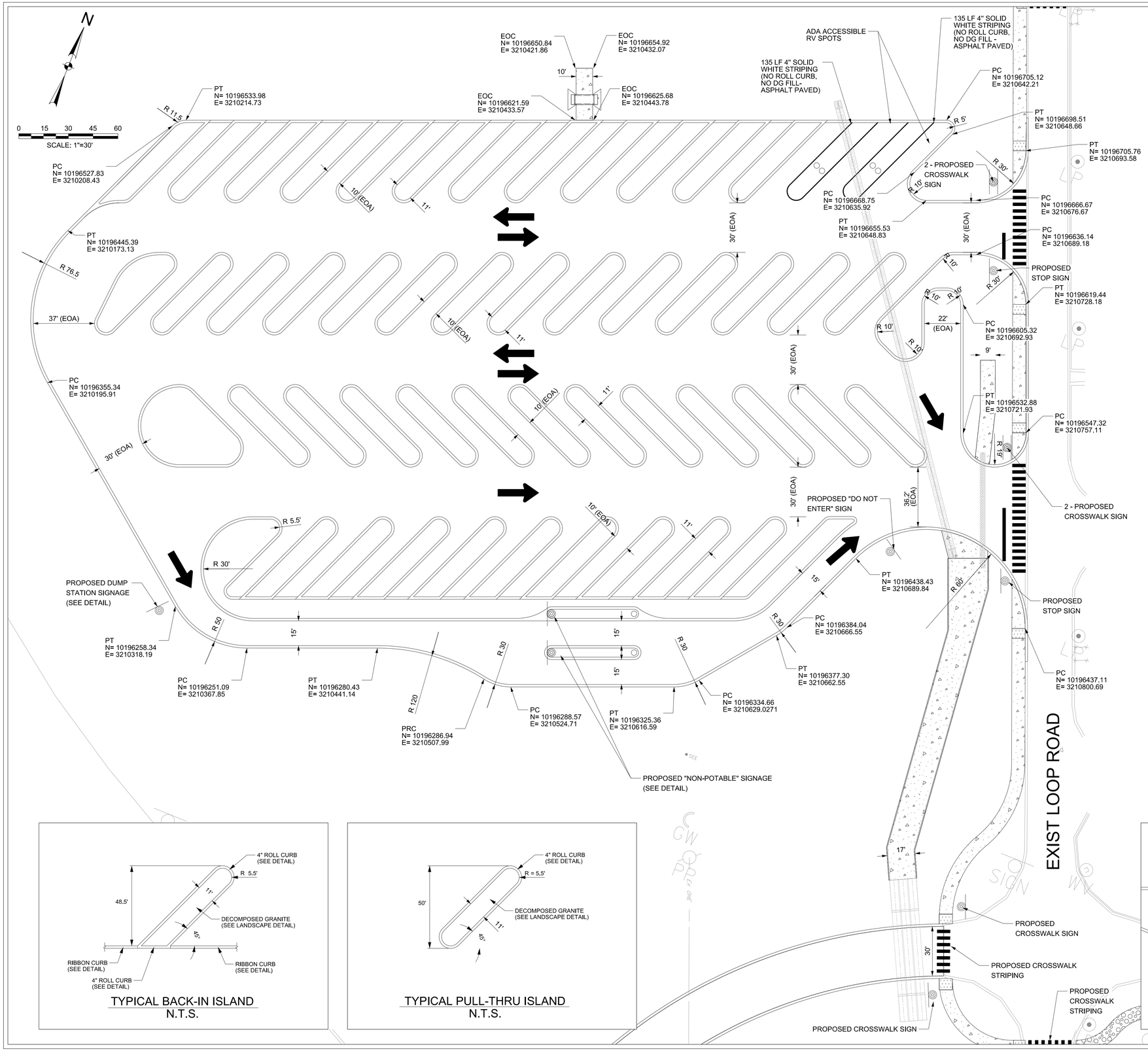
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Project No.:	32388
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Drawn By:	JN
Checked By:	SB

WATER PLAN

C4.3



LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- 620 EXIST CONTOUR
- 620 PROP CONTOUR
- PROP TRAFFIC ARROW MARKING

NOTES:

1.) ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLAN COORDINATE SYSTEM, TEXAS CENTRAL ZONE, NAD83 (2011) (EPOCH 2010)/NAVD88 (GEIOD12A). ALL COORDINATES SHOWN HEREIN ARE ADJUSTED TO SURFACE BY MULTIPLYING BY A SURFACE ADJUSTMENT FACTOR OF 1.00012. UNITS: U.S. SURVEY FEET

2.) ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED

3.) REFER TO TYPICAL SECTION AND GEOTECHNICAL REPORT FOR ROADWAY AND PARKING LOT SECTION

4.) SEE HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE INFORMATION

5.) SEE DRIVEWAY SHEET FOR DRIVEWAY PLAN AND PROFILE DATA

6.) ADDITIONAL SIGNAGE AND STRIPING SHOWN ON TRAIL PLAN SHEET C7.3

7.) ALL TRAFFIC CONTROL SIGNAGE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST VERSION OF THE TEXAS MUTCD

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SIGNAGE & DIMENSION CONTROL

C5.1

Q_100 (DESIGN)= 12.7 CFS
V_100 (DESIGN)= 4.49 FPS
Q (CAPACITY)= 15.0 CFS
V (CAPACITY)= 4.72 FPS

STA 4+05.63 STRM-A
END CULVERT A
FL= 620.47'
(2) 3:1 SET (TYP II)
(SEE TXDOT DETAIL SETP-CD)
N= 10196691.33
E= 3210576.46

0.5%

4.3%

CULVERT-A

EXIST LOOP ROAD

PILOT CHANNEL
FL= 619.52'
N= 10196579.53
E= 3210719.41

PI PILOT CHANNEL
FL= 619.36'
N= 10196550.56
E= 3210730.93

END TRENCH DRAIN
FL= 619.22'
N= 10196526.44
E= 3210737.23

0.5%

0.3%

70 LF 2'X2' TRENCH DRAIN
W/ PEDESTRIAN, H20 LOADING GRATE
(SEE DETAIL SHEET C9.14)
TOP= 621.02'
GROUT FL @ 0.3%

STA 1+20.00 STRM-A
BEGIN CULVERT A
FL= 619.04'
(2) 4:1 SET (TYP II)
(SEE TXDOT DETAIL SETP-CD)

BEGIN TRENCH DRAIN
FL= 619.03'
N= 10196461.99
E= 3210763.03

STA 1+00.00 STRM-A
N= 10196460.51
E= 3210744.71

CONCRETE TRICKLE CHANNEL
FL= 618.93'
N= 1019643.22
E= 3210764.60

CONCRETE TRICKLE CHANNEL
(SEE DETAIL SHEET C9.14)
SLOPE @ 0.3%

0.3%

N

0 15 30 45 60

SCALE: 1"=30'

Q_100 (DESIGN)= 76.1 CFS
V_100 (DESIGN)= 6.27 FPS
Q (CAPACITY)= 78.9 CFS
V (CAPACITY)= 6.35 FPS

NOTES:
1. HYDROLOGIC CALCULATIONS WERE PERFORMED USING SCS METHOD AND HEC-HMS VERSION 3.5.

2. HYDRAULIC CALCULATIONS FOR CULVERTS WERE PERFORMED USING HY-8 VERSION 7.3.

Culvert	Contributing Drainage Area ID	Total Contributing Area (Acres)	Q_{100} (CFS)	Proposed Culverts								
				Size	Material	Slope (%)	Inlet/Outlet Control	Headwater Elevation-Allowable	Capacity - Allowable (CFS)	Headwater Elevation-Q_{100}	Outlet Velocity (Q_{100})(FPS)	Tailwater Depth (Q_{100})(FT)
Culvert A	Culvert A	1.5	12.7	2- 18-IN RCP	RCP	0.50	Inlet	621.47*	15.0	621.36	4.72	0.31
Culvert B	Culvert B	9.0	76.1	3- 5'X2' Box Culvert	RCBC	0.50	Inlet	620.03**	25.3	620.00	6.27	0.50

*Low point of top of ditch flowing to Culvert A

** Low point along existing Expo Loop Road

ROAD A STA 3+70.40, 64.50' LT =
STA 1+00.00 STRM-B
FL= 618.49'

ROAD A STA 3+70.40, 44.50' LT =
STA 2+06.00 STRM-B
FL= 618.43'
(3) 6:1 SET (TY I)
(SEE TXDOT DETAIL SETB-CD)

CULVERT-B
(CAST-IN-PLACE)

EXIST LOOP ROAD

ROAD A STA 3+70.40, 41.50' RT =
STA 1+20.00 STRM-B
FL= 618.00'
(3) 6:1 SET (TY I)
(SEE TXDOT DETAIL SETB-CD)

ROAD A STA 3+70.41, 61.50' RT =
STA 1+00.00 STRM-B

N

0 15 30 45 60

SCALE: 1"=30'

CULVERT A

H: 1"=30'
V: 1"=6'

TAILWATER
100 YR
WSEL=
619.32'

275 LF 2- 18-IN RCP @ 0.5%

HEADWATER
100 YR
WSELE
621.36'

STA 1+20.00 STRM-A
FL= 619.04'

STA 4+05.63 STRM-A
FL= 620.47'

FL = 619.44'

FL = 619.94'

625
620
615
610

1+00 2+00 3+00 4+00

CULVERT B

H: 1"=30'
V: 1"=6'

TAILWATER
100 YR
WSEL=
618.87'

52 LF 3- 5'X2' RCBC @ 0.5%

HEADWATER 100 YR
WSEL= 620.00

STA 1+20.00 STRM-B
FL= 618.00'

STA 2+06.00 STRM-B
FL= 618.43'

625
620
615
610

1+00 2+00

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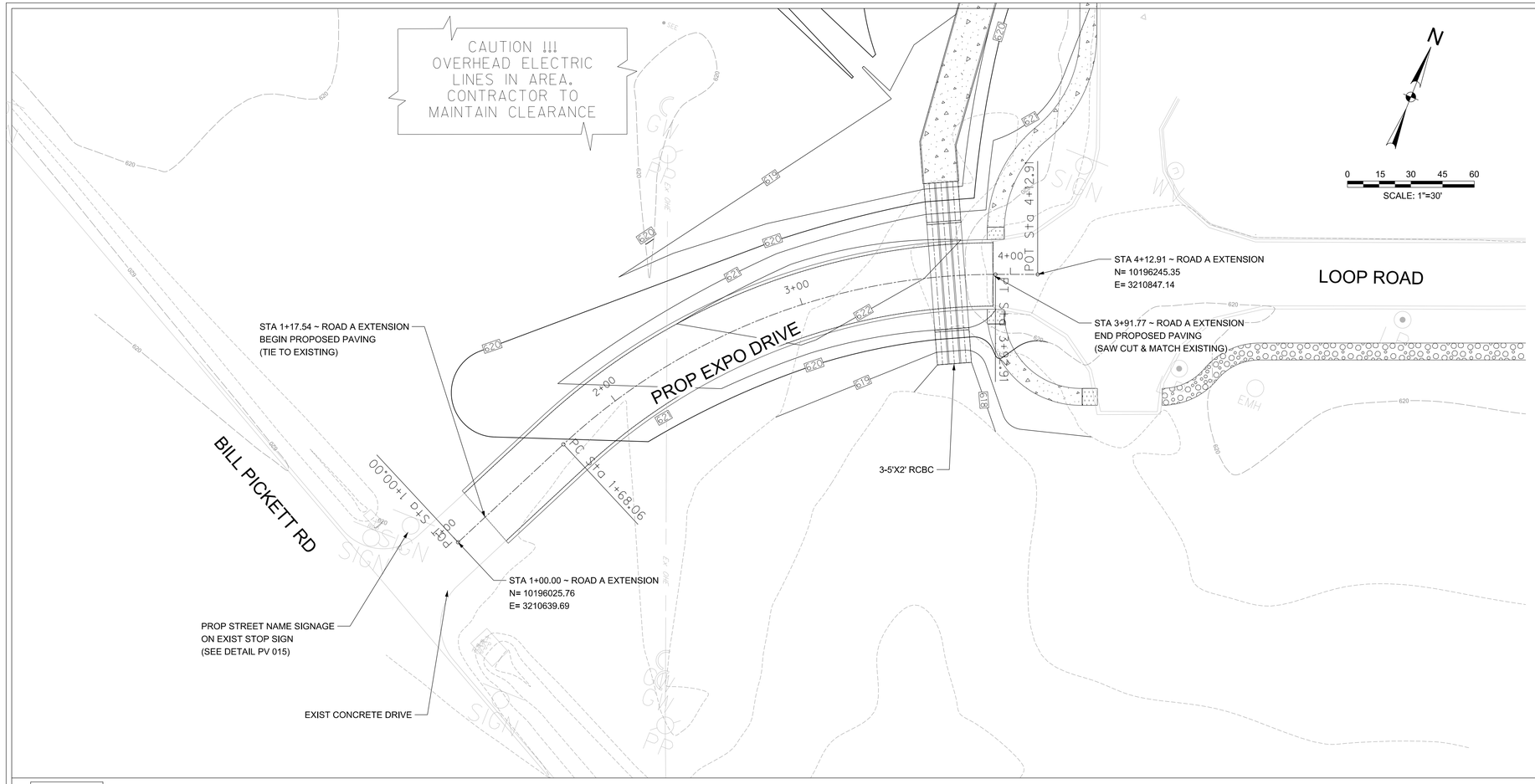
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

STORM PLAN & PROFILES

C6.1



LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- 620 EXIST CONTOUR
- 620 PROP CONTOUR

NOTES:

1.) ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLAN COORDINATE SYSTEM, TEXAS CENTRAL ZONE, NAD83 (2011) (EPOCH 2010)/NAVD88 (GEIOD12A). ALL COORDINATES SHOWN HEREIN ARE ADJUSTED TO SURFACE BY MULTIPLYING BY A SURFACE ADJUSTMENT FACTOR OF 1.00012. UNITS: U.S. SURVEY FEET

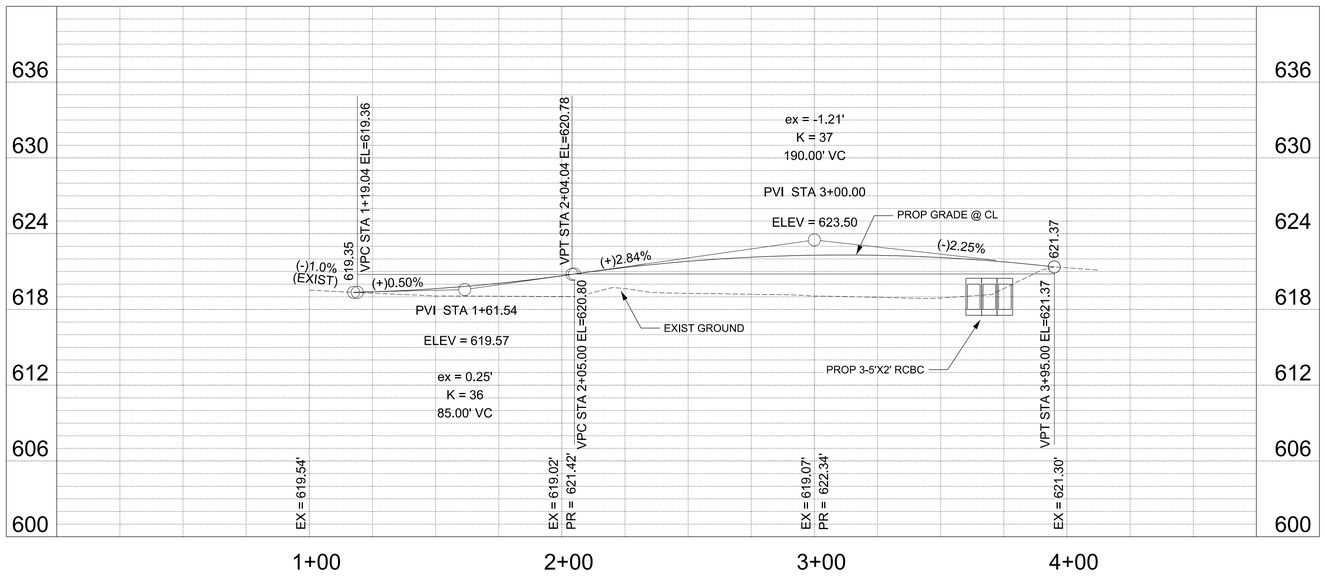
2.) REFER TO TYPICAL SECTION AND GEOTECHNICAL REPORT FOR ROADWAY AND PARKING LOT SECTION

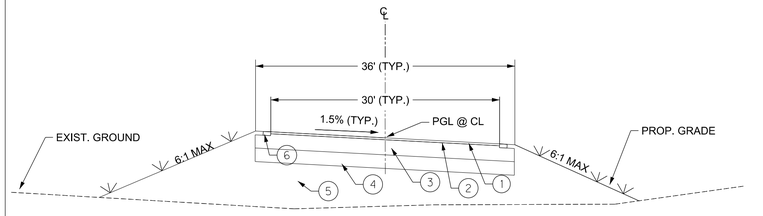
3.) SEE HORIZONTAL ALIGNMENT DATA SHEET FOR CURVE INFORMATION

4.) ALL TRAFFIC CONTROL SIGNAGE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST VERSION OF THE TEXAS MUTCD

5.) CONTRACTOR TO COORDINATE ROAD NAME SIGN WITH COUNTY

H: 1"=30'
V: 1"=6'
ON 22X34





PROP EXPO DRIVE - 30'
SELECT FILL SUBGRADE

NOTES:

1) PROPOSED PAVEMENT SECTION THICKNESS PER RABA KISTNER GEOTECHNICAL ENGINEERING STUDY DATED JULY 18, 2017 (PROJECT NO. AAA17-040-00).

1. 3" HMAC SURFACE COURSE, TYPE "D"
2. PRIME COAT
3. 15" FLEXIBLE BASE
4. 12" IMPORTED SELECT FILL
5. EMBANKMENT
6. PROPOSED RIBBON CURB

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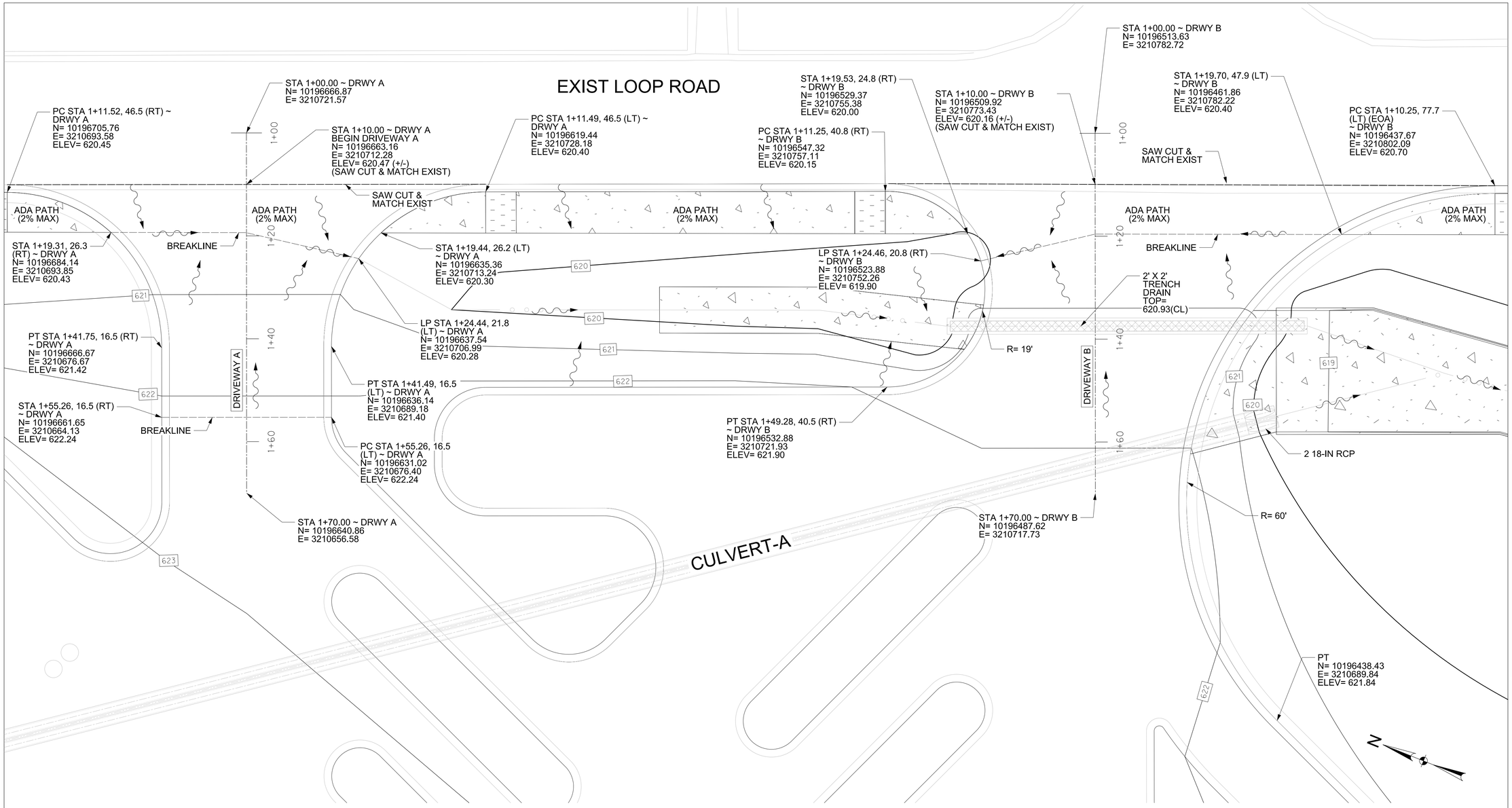
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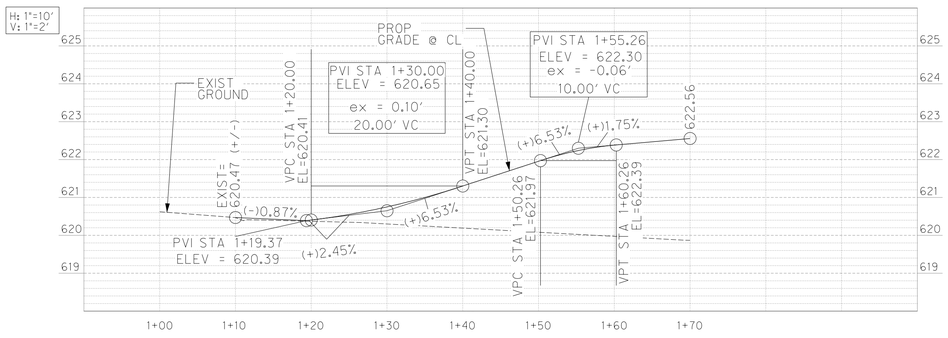
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ROAD A EXTENSION
PLAN & PROFILE

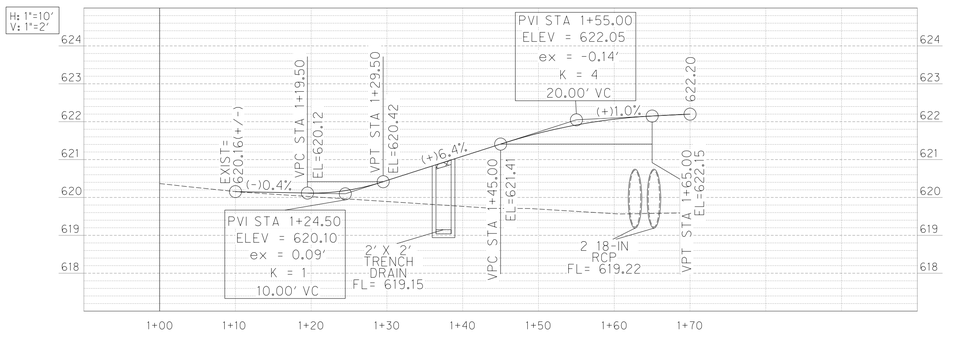
C7.1



DRIVEWAY A



DRIVEWAY B



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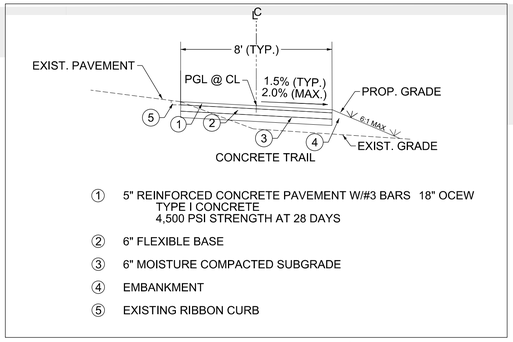
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DRIVEWAY
PLAN & PROFILE

C7.2



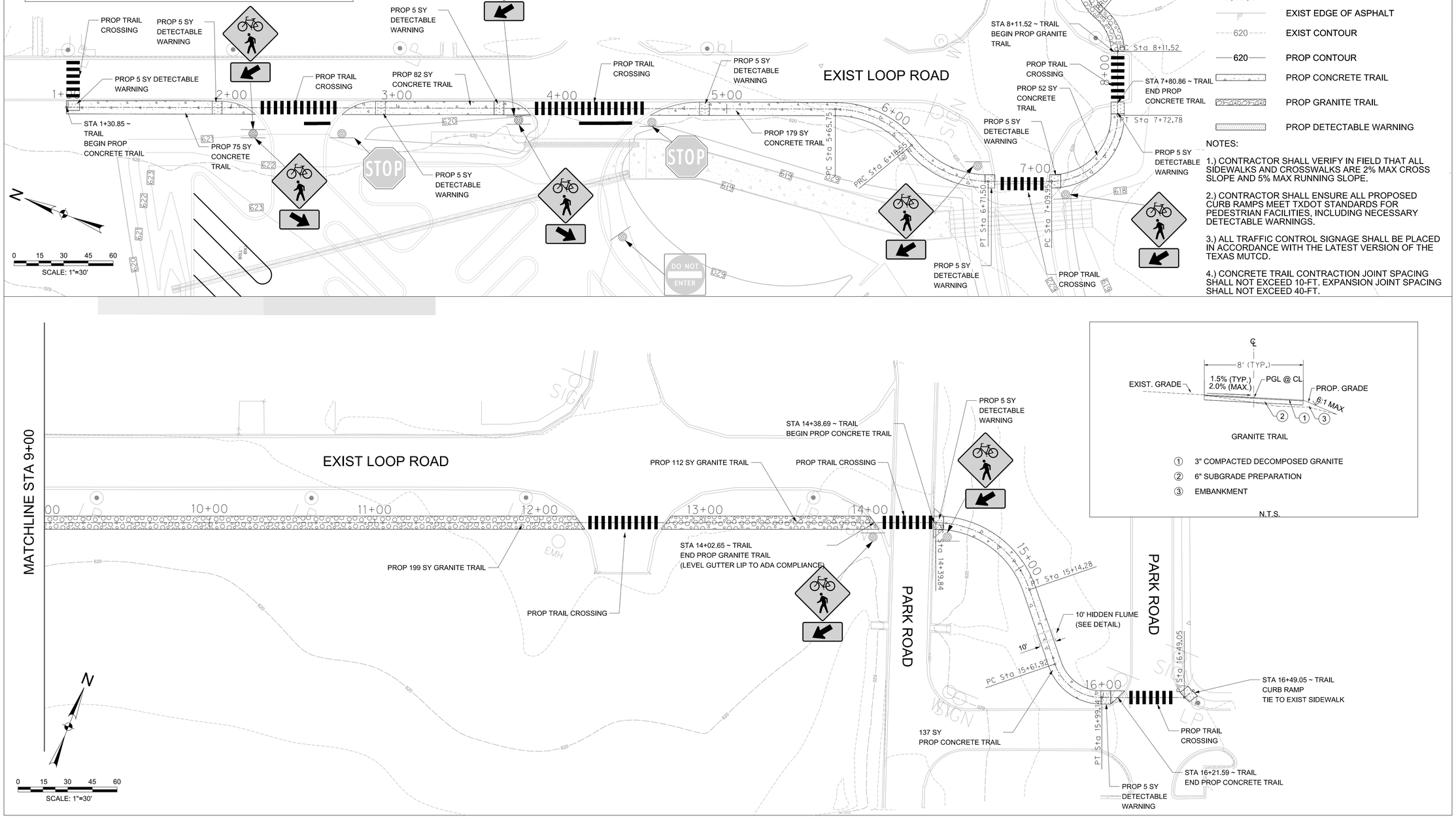
① 5" REINFORCED CONCRETE PAVEMENT W/#3 BARS 18" OCEW
TYPE I CONCRETE
4,500 PSI STRENGTH AT 28 DAYS

② 6" FLEXIBLE BASE

③ 6" MOISTURE COMPACTED SUBGRADE

④ EMBANKMENT

⑤ EXISTING RIBBON CURB



MATCHLINE STA 9+00

LEGEND

- CONTROL POINT
- EXIST LAMP POST
- EXIST SIGN
- EXIST ELEC MANHOLE
- EXIST POWER POLE
- EXIST WATER VALVE
- EXIST GUY WIRE
- EXIST SEWER MANHOLE
- EXIST EDGE OF CONCRETE
- EXIST EDGE OF ASPHALT
- EXIST CONTOUR
- PROP CONTOUR
- PROP CONCRETE TRAIL
- PROP GRANITE TRAIL
- PROP DETECTABLE WARNING

NOTES:

1.) CONTRACTOR SHALL VERIFY IN FIELD THAT ALL SIDEWALKS AND CROSSWALKS ARE 2% MAX CROSS SLOPE AND 5% MAX RUNNING SLOPE.

2.) CONTRACTOR SHALL ENSURE ALL PROPOSED CURB RAMPS MEET TXDOT STANDARDS FOR PEDESTRIAN FACILITIES, INCLUDING NECESSARY DETECTABLE WARNINGS.

3.) ALL TRAFFIC CONTROL SIGNAGE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST VERSION OF THE TEXAS MUTCD.

4.) CONCRETE TRAIL CONTRACTION JOINT SPACING SHALL NOT EXCEED 10-FT. EXPANSION JOINT SPACING SHALL NOT EXCEED 40-FT.

GRANITE TRAIL

① 3" COMPACTED DECOMPOSED GRANITE

② 6" SUBGRADE PREPARATION

③ EMBANKMENT

N.T.S.

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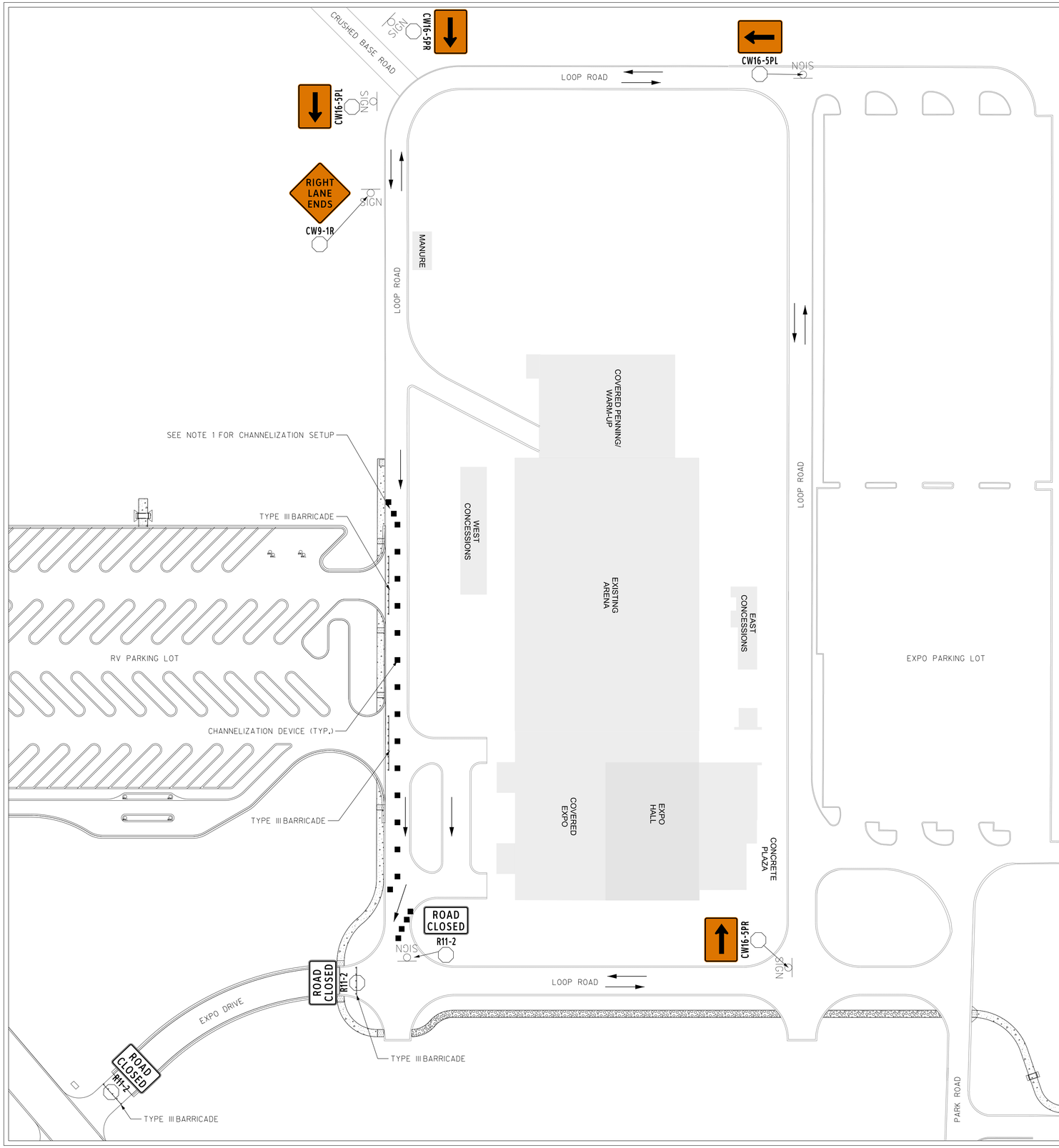
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Checked By:	SB

TRAIL PLAN

C7.3



LEGEND

- CHANNELIZATION DEVICE
- TYPE III BARRICADE
- SIGN — TRAFFIC CONTROL SIGN
- TRAFFIC DIRECTION

NOTES:

1.) CONTRACTOR TO COORDINATE WITH CLINT CHITSEY OR APPOINTED COUNTY REPRESENTATIVE FOR EVENT TRAFFIC CONTROL AND LANE SHUTDOWN FOR SIGNEL LANE TRAFFIC.

2.) ALL TRAFFIC CONTROL DEVICES AND SIGNAGE SHALL BE PLACED PER THE LATEST VERSION OF THE TMUTCD.

3.) WESTERN PORTION OF LOOP ROAD TO BE CHANNELIZED FOR ONE WAY TRAFFIC WHEN NECESSARY.

4.) MAXIMUM BARREL SPACING 30-FT.

5.) TYPE III BARRICADES SHALL BE USED ON BOTH ENDS OF EXPO DRIVE.

6.) TYPE III BARRICADES SHALL BE USED ON BOTH DRIVEWAY ENTRANCES TO RV PARKING LOT.

7.) DIRECTIONAL ARROW SIGNS SHALL BE USED TO DIRECT ONE WAY FLOW AROUND LOOP ROAD. ADDITIONAL SIGNS REQUIRED BY COUNTY FOR EVENTS SHALL BE CONSIDERED SUBSIDARY TO TRAFFIC CONTROL BID ITEM.

N

0 30 60 90 120

SCALE: 1"=60'

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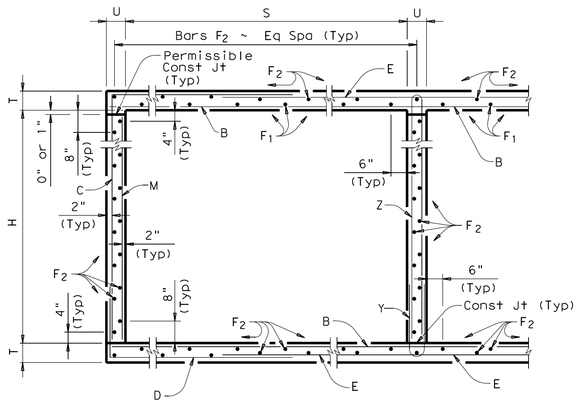
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TRAFFIC CONTROL PLAN

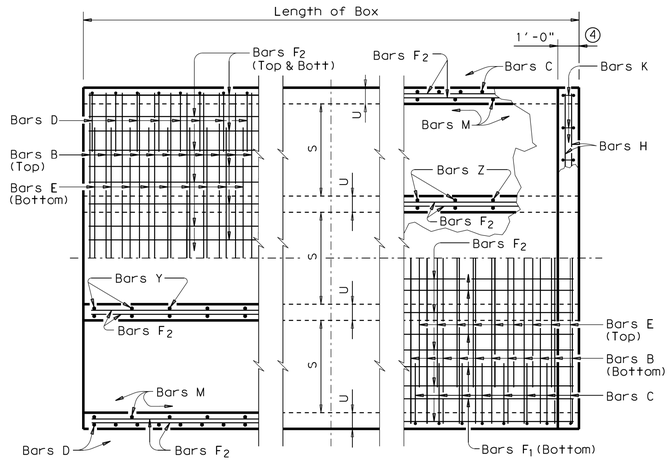
C8.1

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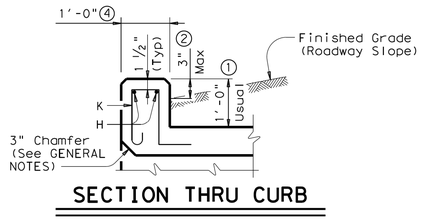
DATE:
FILE:



TYPICAL SECTION

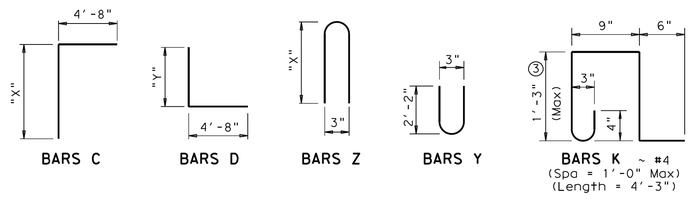


PART PLANS



SECTION THRU CURB

H	Bar Dimensions	
	"X"	"Y"
2'-0"	2'-5"	2'-2"
3'-0"	3'-5"	2'-2"
4'-0"	4'-5"	2'-2"
5'-0"	5'-5"	2'-2"



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 ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.

② For vehicle safety, the following requirements must be met:
- For structures without bridge rail, curbs shall project no more than 3" above finished grade.
- For structures with bridge rail, curbs shall be flush with finished grade.
Curb heights shall be reduced, 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'-0" when RAC standard is referred to elsewhere in the plans.

Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. 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.

Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5') x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2'-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.
Designed to the maximum fill height shown.
All reinforcing steel shall be Grade 60.
All concrete shall be Class "C" with these exceptions: use Class "S" for top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface.
Class "C" concrete shall have a minimum compressive strength of 3,600 psi. Class "S" concrete shall have a minimum compressive strength of 4,000 psi.
The use of permanent forms is not allowed.
The bottom edge of the top slab shall be chamfered 3" at the entrance.
Reinforcing bars shall be adjusted to provide a minimum of 1 ¼" clear cover.
Construction joints shown at the flow line may be raised a maximum of 6" at the Contractor's option. If this option is used, Bars M may be cut off or raised, Bars C and D may be reversed, and Bars Y and Z may be reversed.
See standard MC-MD for skewed ends, angle sections and lengthening details.

HL93 LOADING

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.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-12: Added WWR	DIST	COUNTY		SHEET NO.

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TXDOT DETAIL
MC-5-20
(1 OF 2)

C9.1

BILLS OF REINFORCING STEEL (For Box Length = 40 feet)

NUMBER OF SPANS	SECTION DIMENSIONS				Bars B					Bars C & D							Bars E					Bars F_1 ~#4				Bars F_2 ~#4 at 1'-6" Max			Bars M~#4 at 1'-6" Max			Bars Y & Z~#4 at 1'-0" Max						Bars H 4~#4		Bars K		QUANTITIES					
													Bar C		Bar D																												Per foot of Barrel		Curb		Total	
	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.	Length	Wt	No.	Length	Wt	No.	Bar Y Length	Bar Y Wt	Bar Z Length	Bar Z Wt	Length	Weight	No.	Weight	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)
2	5'-0"	2'-0"	7"	7"	194	#4	5"	11'- 6"	1,490	162	#4	6"	7'- 1"	767	6'-10"	739	162	#5	6"	5'- 8"	957	14	8"	39'-9"	372	38	39'-9"	1,009	56	2'- 0"	75	41	4'- 6"	123	5'- 0"	137	11'- 6"	31	26	74	0.637	141.7	0.9	105	26.4	5,774
3	5'-0"	2'-0"	7"	7"	194	#4	5"	17'- 1"	2,214	162	#4	6"	7'- 1"	767	6'-10"	739	162	#5	6"	11'- 3"	1,901	21	8"	39'-9"	558	54	39'-9"	1,434	56	2'- 0"	75	82	4'- 6"	246	5'- 0"	274	17'- 1"	46	36	102	0.922	205.2	1.3	148	38.2	8,356
4	5'-0"	2'-0"	7"	7"	194	#4	5"	22'- 8"	2,937	162	#4	6"	7'- 1"	767	6'-10"	739	162	#5	6"	16'-10"	2,844	28	8"	39'-9"	743	70	39'-9"	1,859	56	2'- 0"	75	123	4'- 6"	370	5'- 0"	411	22'- 8"	61	48	136	1.206	268.6	1.7	197	49.9	10,942
5	5'-0"	2'-0"	7"	7"	194	#4	5"	28'- 3"	3,661	162	#4	6"	7'- 1"	767	6'-10"	739	162	#5	6"	22'- 5"	3,788	35	8"	39'-9"	929	86	39'-9"	2,284	56	2'- 0"	75	164	4'- 6"	493	5'- 0"	548	28'- 3"	75	60	170	1.491	332.1	2.1	245	61.7	13,529
6	5'-0"	2'-0"	7"	7"	194	#4	5"	33'-10"	4,385	162	#4	6"	7'- 1"	767	6'-10"	739	162	#5	6"	28'- 0"	4,731	42	8"	39'-9"	1,115	102	39'-9"	2,708	56	2'- 0"	75	205	4'- 6"	616	5'- 0"	685	33'-10"	90	70	199	1.775	395.5	2.5	289	73.5	16,110
2	5'-0"	3'-0"	7"	7"	194	#4	5"	11'- 6"	1,490	138	#4	7"	8'- 1"	745	6'-10"	630	162	#5	6"	5'- 8"	957	14	8"	39'-9"	372	44	39'-9"	1,168	56	3'- 0"	112	41	4'- 6"	123	7'- 0"	192	11'- 6"	31	26	74	0.702	144.7	0.9	105	29.0	5,894
3	5'-0"	3'-0"	7"	7"	194	#4	5"	17'- 1"	2,214	138	#4	7"	8'- 1"	745	6'-10"	630	162	#5	6"	11'- 3"	1,901	21	8"	39'-9"	558	62	39'-9"	1,646	56	3'- 0"	112	82	4'- 6"	246	7'- 0"	383	17'- 1"	46	36	102	1.008	210.9	1.3	148	41.6	8,583
4	5'-0"	3'-0"	7"	7"	194	#4	5"	22'- 8"	2,937	138	#4	7"	8'- 1"	745	6'-10"	630	162	#5	6"	16'-10"	2,844	28	8"	39'-9"	743	80	39'-9"	2,124	56	3'- 0"	112	123	4'- 6"	370	7'- 0"	575	22'- 8"	61	48	136	1.314	277.0	1.7	197	54.3	11,277
5	5'-0"	3'-0"	7"	7"	194	#4	5"	28'- 3"	3,661	138	#4	7"	8'- 1"	745	6'-10"	630	162	#5	6"	22'- 5"	3,788	35	8"	39'-9"	929	98	39'-9"	2,602	56	3'- 0"	112	164	4'- 6"	493	7'- 0"	767	28'- 3"	75	60	170	1.620	343.2	2.1	245	66.9	13,972
6	5'-0"	3'-0"	7"	7"	194	#4	5"	33'-10"	4,385	138	#4	7"	8'- 1"	745	6'-10"	630	162	#5	6"	28'- 0"	4,731	42	8"	39'-9"	1,115	116	39'-9"	3,080	56	3'- 0"	112	205	4'- 6"	616	7'- 0"	959	33'-10"	90	70	199	1.926	409.3	2.5	289	79.5	16,662
2	5'-0"	4'-0"	7"	7"	194	#4	5"	11'- 6"	1,490	138	#4	7"	9'- 1"	837	6'-10"	630	162	#5	6"	5'- 8"	957	14	8"	39'-9"	372	44	39'-9"	1,168	56	4'- 0"	150	41	4'- 6"	123	9'- 0"	246	11'- 6"	31	26	74	0.767	149.3	0.9	105	31.6	6,078
3	5'-0"	4'-0"	7"	7"	194	#4	5"	17'- 1"	2,214	138	#4	7"	9'- 1"	837	6'-10"	630	162	#5	6"	11'- 3"	1,901	21	8"	39'-9"	558	62	39'-9"	1,646	56	4'- 0"	150	82	4'- 6"	246	9'- 0"	493	17'- 1"	46	36	102	1.095	216.9	1.3	148	45.1	8,823
4	5'-0"	4'-0"	7"	7"	194	#4	5"	22'- 8"	2,937	138	#4	7"	9'- 1"	837	6'-10"	630	162	#5	6"	16'-10"	2,844	28	8"	39'-9"	743	80	39'-9"	2,124	56	4'- 0"	150	123	4'- 6"	370	9'- 0"	739	22'- 8"	61	48	136	1.422	284.4	1.7	197	58.6	11,571
5	5'-0"	4'-0"	7"	7"	194	#4	5"	28'- 3"	3,661	138	#4	7"	9'- 1"	837	6'-10"	630	162	#5	6"	22'- 5"	3,788	35	8"	39'-9"	929	98	39'-9"	2,602	56	4'- 0"	150	164	4'- 6"	493	9'- 0"	986	28'- 3"	75	60	170	1.750	351.9	2.1	245	72.1	14,321
6	5'-0"	4'-0"	7"	7"	194	#4	5"	33'-10"	4,385	138	#4	7"	9'- 1"	837	6'-10"	630	162	#5	6"	28'- 0"	4,731	42	8"	39'-9"	1,115	116	39'-9"	3,080	56	4'- 0"	150	205	4'- 6"	616	9'- 0"	1,232	33'-10"	90	70	199	2.078	419.4	2.5	289	85.6	17,065
2	5'-0"	5'-0"	7"	7"	194	#4	5"	11'- 6"	1,490	138	#4	7"	10'- 1"	930	6'-10"	630	162	#5	6"	5'- 8"	957	14	8"	39'-9"	372	50	39'-9"	1,328	56	5'- 0"	187	41	4'- 6"	123	11'- 0"	301	11'- 6"	31	26	74	0.832	158.0	0.9	105	34.2	6,423
3	5'-0"	5'-0"	7"	7"	194	#4	5"	17'- 1"	2,214	138	#4	7"	10'- 1"	930	6'-10"	630	162	#5	6"	11'- 3"	1,901	21	8"	39'-9"	558	70	39'-9"	1,859	56	5'- 0"	187	82	4'- 6"	246	11'- 0"	603	17'- 1"	46	36	102	1.181	228.2	1.3	148	48.5	9,276
4	5'-0"	5'-0"	7"	7"	194	#4	5"	22'- 8"	2,937	138	#4	7"	10'- 1"	930	6'-10"	630	162	#5	6"	16'-10"	2,844	28	8"	39'-9"	743	90	39'-9"	2,390	56	5'- 0"	187	123	4'- 6"	370	11'- 0"	904	22'- 8"	61	48	136	1.530	298.4	1.7	197	62.9	12,132
5	5'-0"	5'-0"	7"	7"	194	#4	5"	28'- 3"	3,661	138	#4	7"	10'- 1"	930	6'-10"	630	162	#5	6"	22'- 5"	3,788	35	8"	39'-9"	929	110	39'-9"	2,921	56	5'- 0"	187	164	4'- 6"	493	11'- 0"	1,205	28'- 3"	75	60	170	1.880	368.6	2.1	245	77.3	14,989
6	5'-0"	5'-0"	7"	7"	194	#4	5"	33'-10"	4,385	138	#4	7"	10'- 1"	930	6'-10"	630	162	#5	6"	28'- 0"	4,731	42	8"	39'-9"	1,115	130	39'-9"	3,452	56	5'- 0"	187	205	4'- 6"	616	11'- 0"	1,506	33'-10"	90	70	199	2.229	438.8	2.5	289	91.7	17,841

Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. 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.

Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5') x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2'-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).

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DATE:
FILE:

HL93 LOADING

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.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-12: Added WWR	DIST	COUNTY		SHEET NO.

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

HALFF®
9500 AMBERGLEN BLVD.
BLDG. F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM#F-312

Revision No.	Date	Description

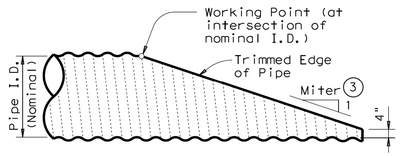
F-312 12-4-17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9500 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

Project No.: 32388
Issued: 12/04/2017
Drawn By: JN
Checked By: SB

TXDOT DETAIL
MC-5-20
(2 OF 2)

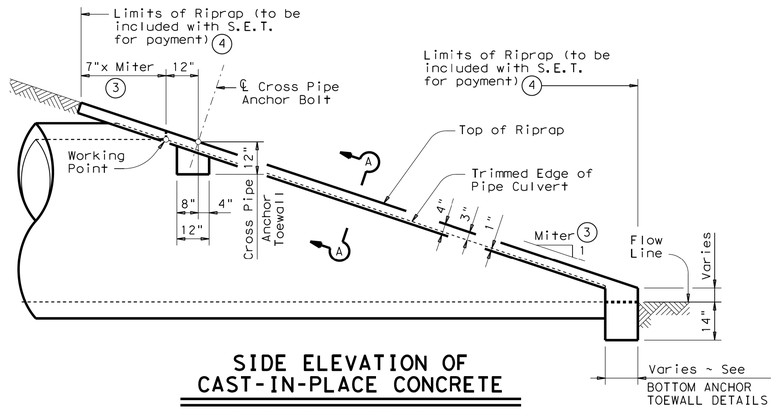
C9.2



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.

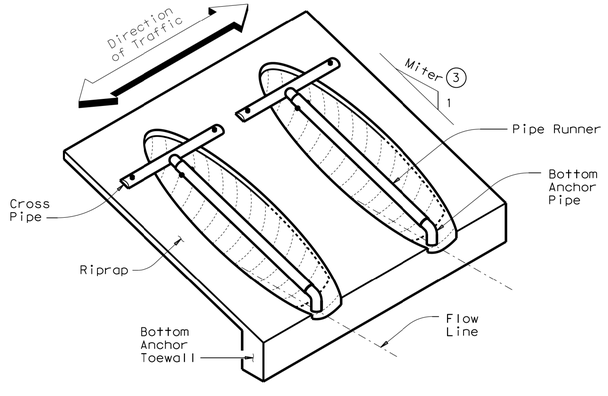
SIDE ELEVATION OF TYPICAL PIPE CULVERT MITER

(Showing Corrugated Metal Pipe Culvert.
Details of Concrete Pipe Culvert are similar.)



SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing Concrete Pipe Culvert.
Details of Corrugated Metal Pipe Culvert are similar.
Pipe Runners not shown for clarity)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

(Showing installation with no skew.)

CROSS PIPE LENGTHS & 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" to 60"	Always required	Always required

STANDARD PIPE SIZES & 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) Size of Pipe Runner shall be as shown in the tables. Cross Pipe shall be the same size as the Pipe Runner. Cross Pipe Stub Out and Bottom Anchor Pipe shall be the next smaller size pipe as shown in the STANDARD PIPE SIZES 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 Pipe Culvert End

(4) Riprap placed beyond the limits shown will be paid as Concrete Riprap in accordance with Item 432, "Riprap".

(5) Quantities shown are for one end of one reinforced Concrete Pipe Culvert. For multiple Pipe Culverts or for Corrugated Metal Pipe Culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only.

SHEET 1 OF 2

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.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
11-10: Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.

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DATE:
FILE:

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

HALFF®
9500 AMBERGLEN BLVD.
BLDG. F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM#F-312

Revision No.	Date	Description

F-312 12-4-17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9500 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

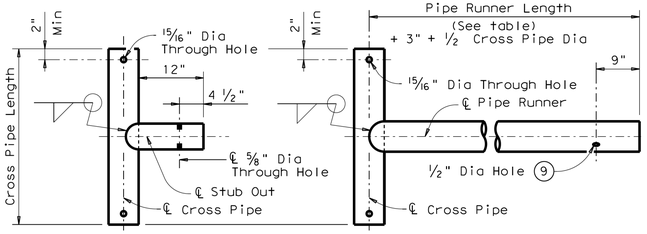
Project No.: 32388
Issued: 12/04/2017
Drawn By: JN
Checked By: SB

TXDOT DETAIL
SET P-CD
(1 OF 2)

C9.3

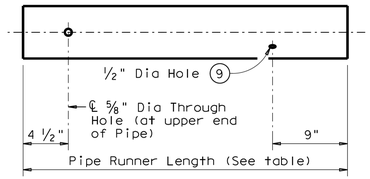
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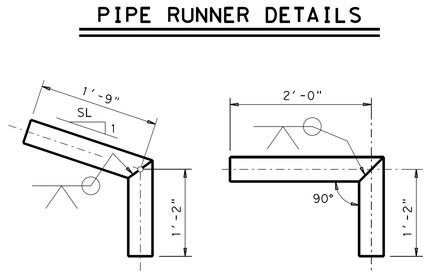
OPTION A1 OPTION A2

CROSS PIPE AND CONNECTIONS DETAILS



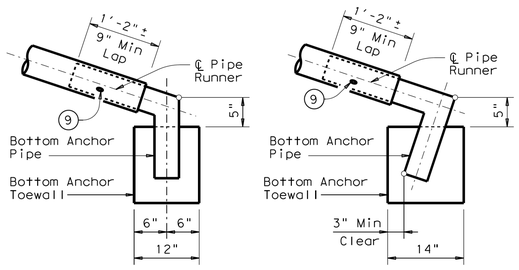
NOTE: The separate Pipe Runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS



OPTION B1 OPTION B2

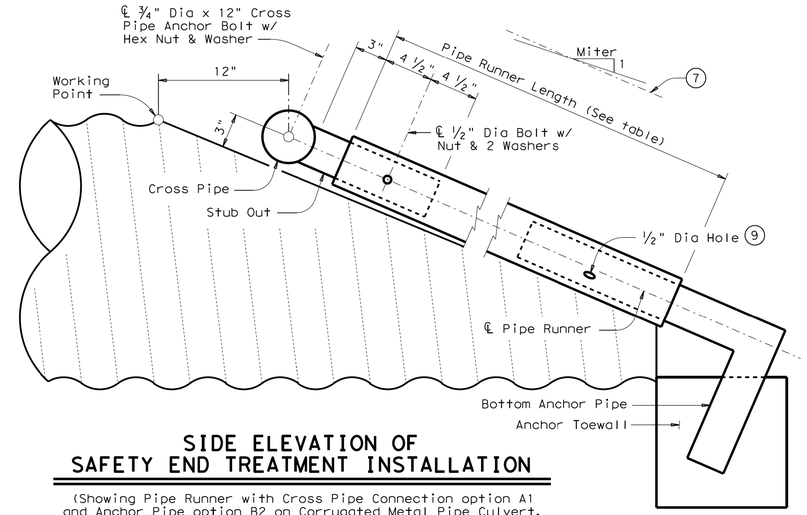
BOTTOM ANCHOR PIPE DETAILS (10)



OPTION B1 OPTION B2

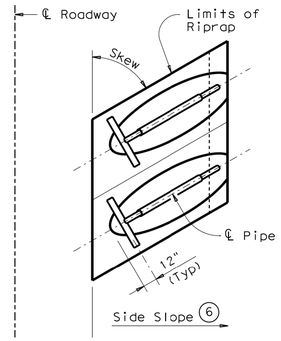
BOTTOM ANCHOR TOEWALL DETAILS

(Culvert & Riprap not shown for clarity)

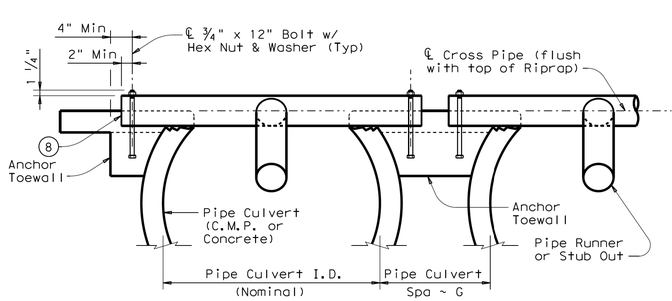


SIDE ELEVATION OF SAFETY END TREATMENT INSTALLATION

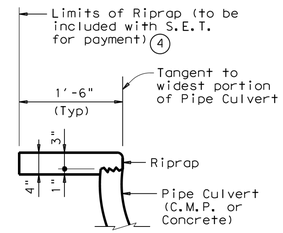
(Showing Pipe Runner with Cross Pipe Connection option A1 and Anchor Pipe option B2 on Corrugated Metal Pipe Culvert. Concrete Pipe Culvert details are similar. Riprap not shown for clarity)



PLAN OF SKEWED INSTALLATION



SHOWING CROSS PIPE & ANCHOR TOEWALL



SHOWING TYPICAL PIPE CULVERT & RIPRAP

SECTION A-A

(4) Riprap placed beyond the limits shown will be paid as Concrete Riprap in accordance with Item 432, "Riprap".

(6) Recommended values of side slope are 3:1, 4:1, & 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) Care shall be taken 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, the 1/2" hole shall be inspected 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.

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.

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.

Riprap and all necessary inverts shall be Concrete Riprap conforming to the requirements of 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.

Payment for riprap and toewall is included in the Price Bid for each Safety End Treatment.

Pipe Runners, Cross Pipes, and Anchor Pipes shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Bolts and nuts shall conform to ASTM A307.

All steel components, except concrete reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

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.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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REVISIONS				
11-10: Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.

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BLDG F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM#F-312

Revision No.	Date	Description

F-312 12-4-17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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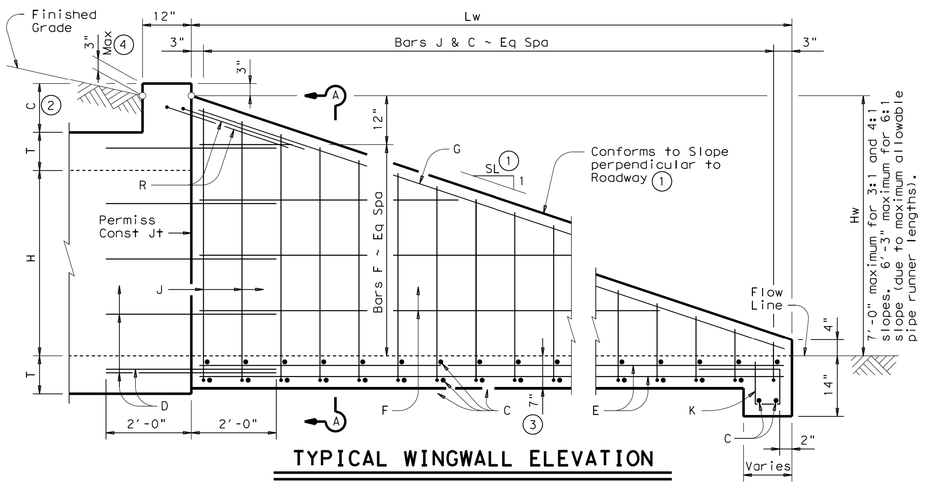
Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

TXDOT DETAIL
SET P-CD
(2 OF 2)

C9.4

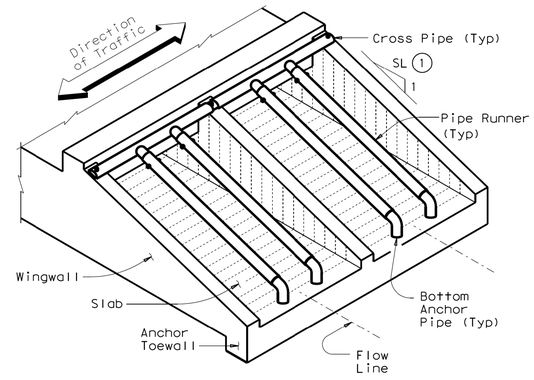
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TYPICAL WINGWALL ELEVATION

(Pipe Runners not shown for clarity)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

Formulas: (All values are in Feet)

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 (S.F.)
= (0.5) (Hw + 0.333′) (Lw) (N + 1)

Total Concrete Volume (C.Y.)
= [(Wingwall Area) (0.583′) +
(Lw) (Atw) (0.583′) +
(Atw) (1.167′) (1.167′ − 0.583′)] ÷ (27)

Pipe Runner Length
= (Lw) (K1) − (1.917′)

Total Reinforcing (Lbs)
= (1.55) (Lw) (Atw) +
(4.43) (Atw) +
(K2) (Hw) (N + 1) $(\sqrt{Lw})$

C = Height of Curb above top of Top Slab
Hw = Height of Wingwall
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
Lw = Length of Wingwall
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.

GENERAL NOTES:

Designed according to AASHTO LRFD 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.

All reinforcing steel shall be Grade 60. All reinforcing shall be adjusted as necessary to provide a minimum clear cover of 1 ¼".

All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

The quantities for Pipe Runners, reinforcing steel, and concrete, resulting from the formulas given herein are for Contractor's information only.

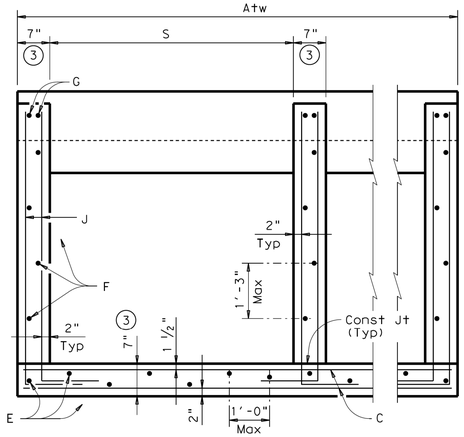
Pipe Runners, Cross Pipes, and Anchor Pipes shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Bolts and nuts shall conform to ASTM A307.

All steel components, except the concrete reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

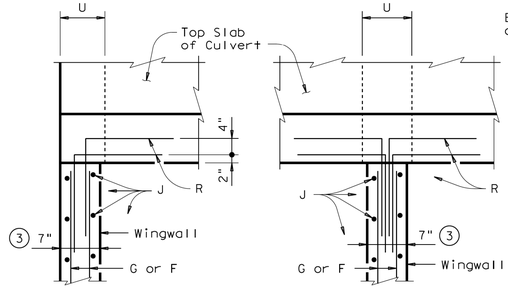
See BCS standard sheet for additional dimensions and information.

Alternate design drawings bearing the seal of a professional engineer will be acceptable for precast construction of the Safety End Treatments.



SECTION A-A

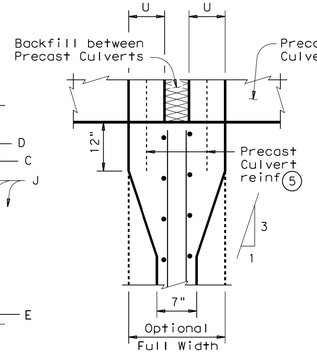
(Showing typical Wingwall and Wing Slab reinforcing)
(Pipe Runners not shown for clarity)



AT TOP OF EXTERIOR WINGWALL (Cast-in-Place Culvert)

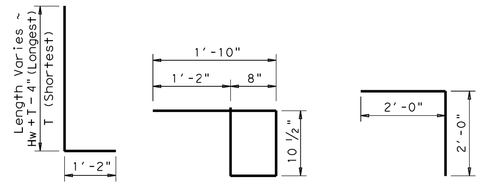
AT TOP OF INTERIOR WINGWALL (Cast-in-Place Culvert)

AT OUTSIDE OF BOTTOM SLAB (Cast-in-Place Culvert)



AT INTERIOR WINGWALL (Precast Culvert)

PLAN VIEWS OF CORNER DETAILS



BARS J

BARS K (Length = 4'-3")

BARS R

TABLE OF REINFORCING BAR SIZES & SPACING		
Bar	Size	Spacing
C	#4	10" Max
D	#4	match F & E
E	#4	1'- 0" Max
F	#4	1'- 3" Max
G	#6	Shown
J	#4	10" Max
K	#4	1'- 0" Max
R	#4	Shown

(1) Recommended values of slope are: 3:1, 4:1, & 6:1. Slope shall be 3:1 or flatter.

(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 ECD standard.

(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, curbs shall project no more than 3" above finished grade. Curb heights shall be reduced, if necessary, to meet these requirements. 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 SCP-MD standard.

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.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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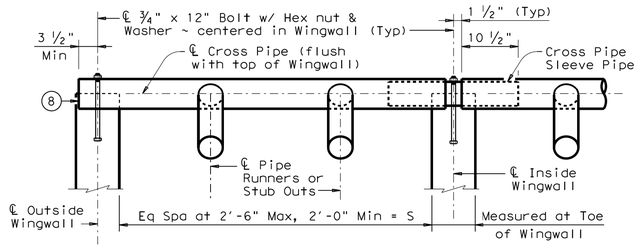
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Project No.: 32388
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Checked By: SB

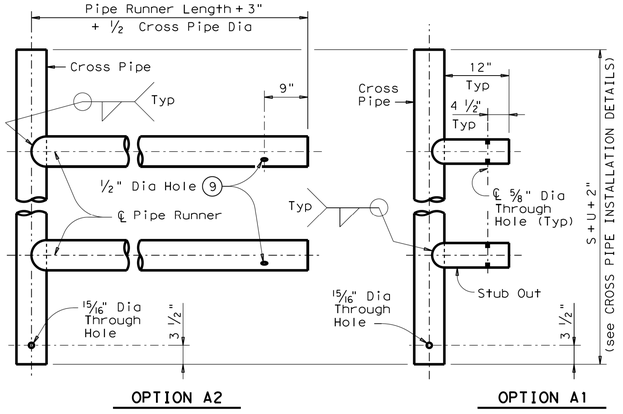
TXDOT DETAIL
SET B-CD
(1 OF 2)

C9.5



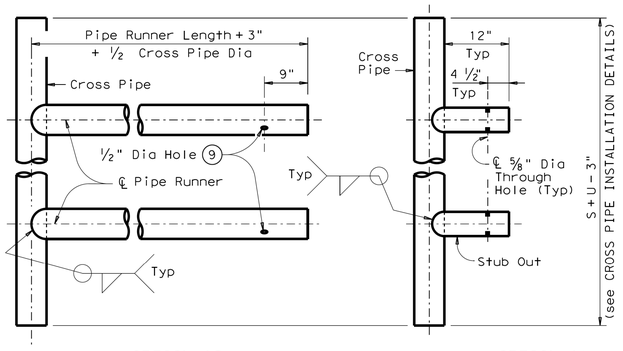
NOTE: At Contractor's option, the Cross Pipe may be made continuous across the Inside Wingwalls. If such option is selected, the Sleeve Pipe shall be omitted and a 15/16" diameter through hole be made in the Cross Pipe to accept the anchor bolt at the centerline of each Inside Wingwall.

CROSS PIPE INSTALLATION DETAILS



OPTION A2 OPTION A1

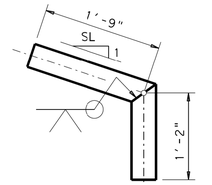
FOR USE IN OUTSIDE CULVERT BAY



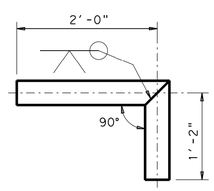
OPTION A2 OPTION A1

FOR USE IN INSIDE CULVERT BAY

CROSS PIPE AND CONNECTIONS DETAILS

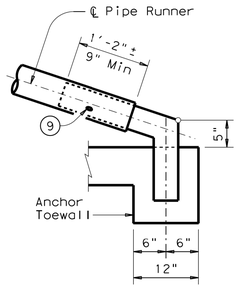


OPTION A

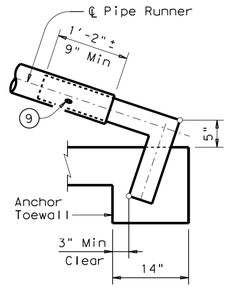


OPTION B

BOTTOM ANCHOR PIPE DETAILS (10)



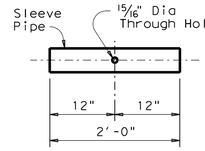
OPTION B1



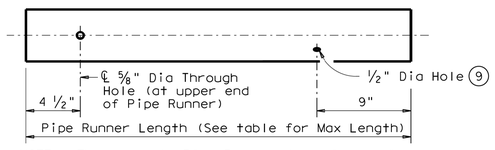
OPTION B2

BOTTOM ANCHOR TOEWALL DETAILS

(Wingwall not shown for clarity)



CROSS PIPE SLEEVE PIPE DETAILS



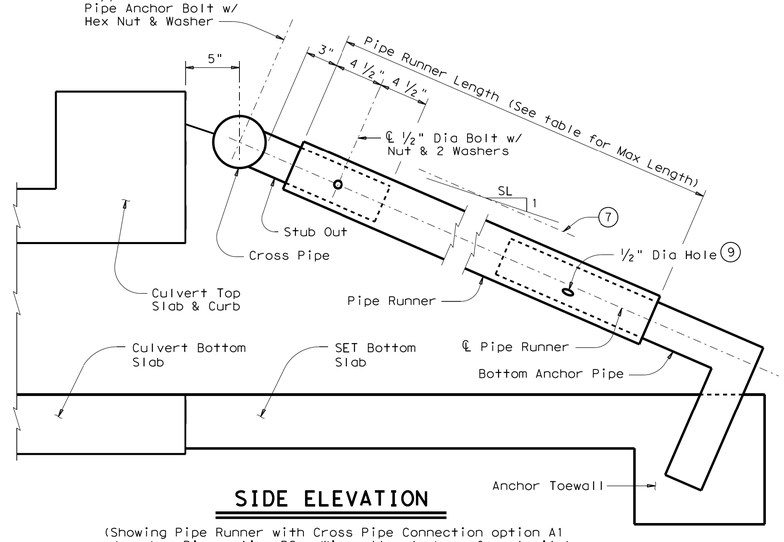
NOTE: The separate Pipe Runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS

6. Cross Pipe shall be the same size as the Pipe Runner. Cross Pipe Stub Out shall be the same size as the Anchor Pipe.
7. Note that actual slope of Safety Pipe Runner may vary slightly from Side Slope.
8. Care shall be taken 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, the ½" hole shall be inspected 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 & REQUIRED PIPE RUNNER AND ANCHOR PIPE SIZES (6)

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 anchor Pipe 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

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F-312 12-4-17
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SHAWN M. BERTRAM
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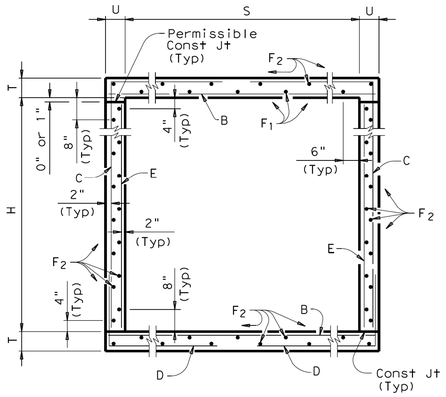
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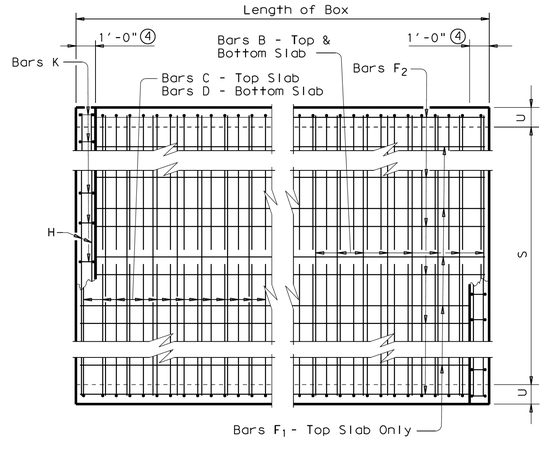
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TYPICAL SECTION



PLAN OF REINF STEEL

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 ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.

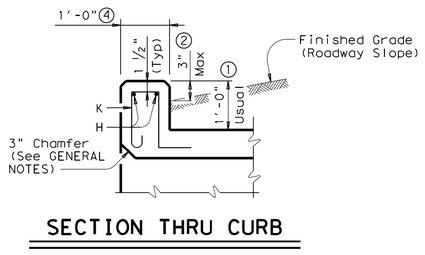
② For vehicle safety, the following requirements must be met:
- For structures without bridge rail, curbs shall project no more than 3" above finished grade.
- For structures with bridge rail, curbs shall be flush with finished grade.
Curb heights shall be reduced, if necessary, to meet the above requirements. 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'-0" when RAC standard is referred to elsewhere in the plans.

Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. 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.

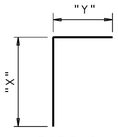
Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5') x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2'-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).



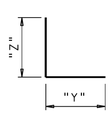
SECTION THRU CURB

GENERAL NOTES:

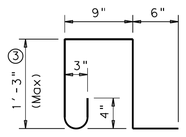
Designed according to AASHTO LRFD Specifications.
Designed to the maximum fill height shown.
All reinforcing steel shall be Grade 60.
All concrete shall be Class "C" with these exceptions: use Class "S" for top slabs of culverts with overlay, with 1-to-2 course surface treatment, or with the top slab as the final riding surface.
Class "C" concrete shall have a minimum compressive strength of 3,600 psi. Class "S" concrete shall have a minimum compressive strength of 4,000 psi.
The use of permanent forms is not allowed.
The bottom edge of the top slab shall be chamfered 3" at the entrance.
Reinforcing bars shall be adjusted to provide a minimum of 1 ¼" clear cover.
Construction joints shown at the flow line may be raised a maximum of 6" at the Contractor's option. If this option is used, Bars E may be cut off or raised, and Bars C and D may be reversed.
See standard SCC-MD for skewed ends, angle sections and lengthening details.



BARS C



BARS D



BARS K ~ #4
(Spa = 1'-0" Max)
(Length = 4'-3")

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

FILE: scc34ste.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
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10-12: Added WWR	DIST	COUNTY		SHEET NO.

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Drawn By: JN
Checked By: SB

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FILE:

BILLS OF REINFORCING STEEL (For Box Length = 40 feet)

SECTION DIMENSIONS				FILL HEIGHT	Bars B					Bars C							Bars D							Bars E~#4 at 18" Max			Bars F_1 ~#4				Bars F_2~#4 at 18" Max			Bars H 4~#4		Bars K		QUANTITIES: Per foot of Barrel		QUANTITIES: Curb		QUANTITIES: 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.	Length	Wt	No.	Spa	Length	Wt	No.	Length	Wt	Length	Wt	No.	Wt	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)	Conc (CY)	Reinf (Lb)
3'-0"	2'-0"	7"	7"	30'	138	#4	7"	3'-11"	361	98	#4	10"	4'- 2"	273	2'- 5"	1'- 9"	98	#4	10"	3'-11"	256	1'- 9"	2'- 2"	56	2'-0"	75	3	13"	39'-9"	80	19	39'-9"	505	3'-11"	10	10	28	0.266	38.8	0.3	38	10.9	1,588
3'-0"	3'-0"	7"	7"	30'	162	#4	6"	3'-11"	424	98	#4	10"	5'- 2"	338	3'- 5"	1'- 9"	98	#4	10"	3'-11"	256	1'- 9"	2'- 2"	56	3'-0"	112	3	12"	39'-9"	80	23	39'-9"	611	3'-11"	10	10	28	0.310	45.5	0.3	38	12.7	1,859
4'-0"	2'-0"	7"	7"	30'	194	#4	5"	4'-11"	637	162	#4	6"	4'- 8"	505	2'- 5"	2'- 3"	162	#4	6"	4'- 5"	478	2'- 3"	2'- 2"	56	2'-0"	75	5	10"	39'-9"	133	21	39'-9"	558	4'-11"	13	12	34	0.310	59.7	0.4	47	12.8	2,433
4'-0"	3'-0"	7"	7"	30'	162	#5	6"	4'-11"	831	162	#4	6"	5'- 8"	613	3'- 5"	2'- 3"	162	#4	6"	4'- 5"	478	2'- 3"	2'- 2"	56	3'-0"	112	6	8"	39'-9"	159	25	39'-9"	664	4'-11"	13	12	34	0.353	71.4	0.4	47	14.5	2,904
4'-0"	4'-0"	7"	7"	30'	162	#5	6"	4'-11"	831	162	#4	6"	6'- 8"	721	4'- 5"	2'- 3"	162	#4	6"	4'- 5"	478	2'- 3"	2'- 2"	56	4'-0"	150	6	8"	39'-9"	159	25	39'-9"	664	4'-11"	13	12	34	0.396	75.1	0.4	47	16.2	3,050

Deformed welded wire reinforcement (WWR) meeting the requirements of ASTM A1064 may be used to replace conventional reinforcement shown at the Contractor's option. 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.

Example Conversion: Replacement of No. 6 Gr 60 at 6" Spacing with WWR.
WWR required = (0.44 sq in/ 0.5') x (60 ksi/70 ksi) = 0.754 sq in/ft.
If D30.6 wire is used to meet the 0.754 sq in/ft requirement in this example, the required spacing = (0.306 sq in/ 0.754 sq in/ft) x 12 in/ft = 4.87" Max spacing.
Required lap length for the provided D30.6 wire is 2'-2" (Lap required for uncoated No. 5 bars, as shown in Item 440).

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS CAST-IN-PLACE

0' TO 30' FILL

SCC-3 & 4

FILE: scc34ste.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-12: Added WWR	DIST	COUNTY		SHEET NO.

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TBPE FIRM#F-312

Revision No.	Date	Description

F-312 12-4-17

STATE OF TEXAS
SHAWN M. BERTRAM
98190
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Project No.: 32388
Issued: 12/04/2017
Drawn By: JN
Checked By: SB

TXDOT DETAIL
SCC-3&4
(2 OF 2)

C9.8

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DATE:
FILE:

TABLE OF DIMENSIONS & REINFORCING STEEL
(Wings for One Structure End)

Dimensions					Variable Reinforcing				Estimated Quantities (3) per ft of wing length (2~Wings)	
					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

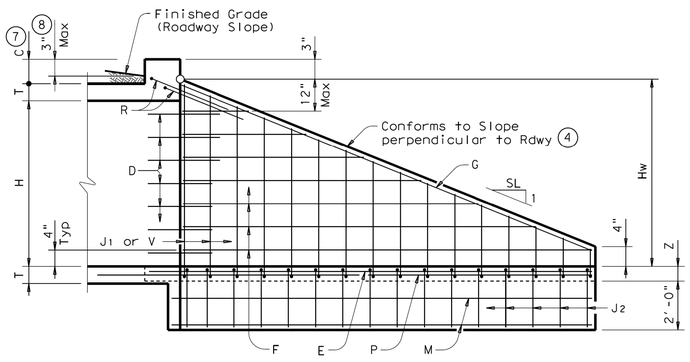
WING DIMENSION CALCULATIONS:

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 ~ S.F.)=(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

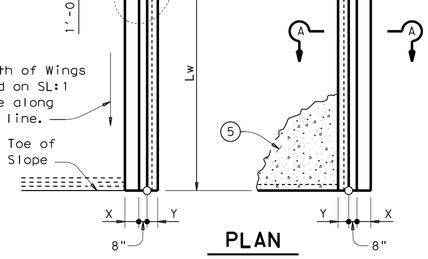
See applicable box culvert standard for H, S, T, and U values.

1. Extend Bars P 3'-0" minimum into bottom slab of Box Culvert.
2. Adjust to fit as necessary to maintain 1 1/4" 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 Slope are: 2:1, 3:1, 4:1, & 6:1.
5. When shown elsewhere on the plans, a 5" deep concrete riprap shall be constructed. Payment for riprap shall be as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, the riprap shall have a 6" wide by 1'-6" deep reinforced concrete toewall along all edges adjacent to natural ground; the toewall shall be reinforced by extending typical riprap reinforcing into the toewall; construction joints or grooved joints, oriented in the direction of flow, shall extend 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 from that shown as necessary.
7. 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 ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.
8. For vehicle safety, curb heights and wall heights shall be reduced, 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.



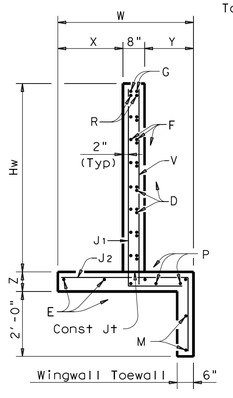
INSIDE ELEVATION

(Showing reinforcing. Culvert and Culvert Toewall reinforcing not shown for clarity.)

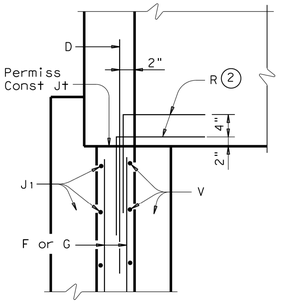


PLAN

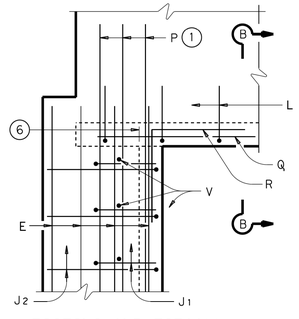
(Showing Dimensions)



SECTION A-A

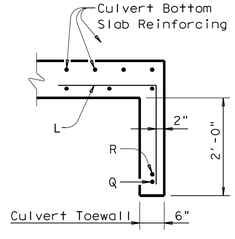


WINGWALL

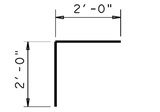


FOOTING AND TOEWALL

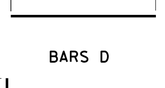
CORNER DETAILS



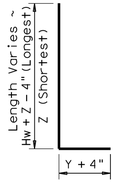
SECTION B-B (5)



BARS R



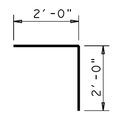
BARS D



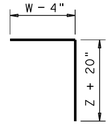
BARS J1



BARS V



BARS L



BARS J2

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.
All reinforcing steel shall be Grade 60.
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.
All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.
All reinforcing bars shall be adjusted to provide a minimum of 1 1/4" clear cover.
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 BCS 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.

Texas Department of Transportation — Bridge Division Standard

CONCRETE WINGWALLS
WITH STRAIGHT WINGS FOR 0° SKEW BOX CULVERTS

SW-O

FILE: sw-0std e.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS 11-10: Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.

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Revision No.	Date	Description

F-312 12-4-17
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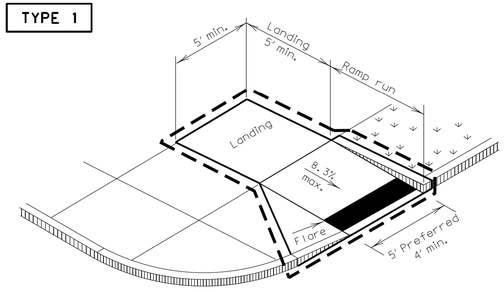
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TXDOT DETAIL
SW-0

C9.9

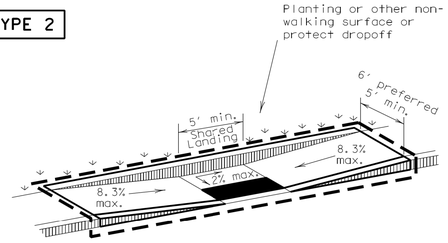
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TYPE 1



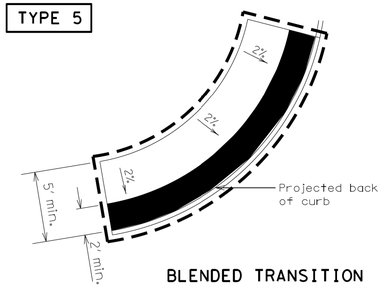
PERPENDICULAR CURB RAMP

TYPE 2



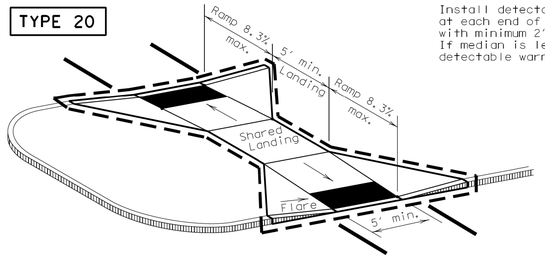
PARALLEL CURB RAMP
(Use only where water will not pond in the landing.)

TYPE 5



BLENDED TRANSITION

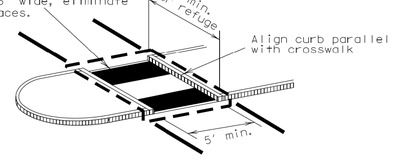
TYPE 20



Install detectable warning surface at each end of cut-through ramp with minimum 2' smooth surface between. If median is less than 6' wide, eliminate detectable warning surfaces.

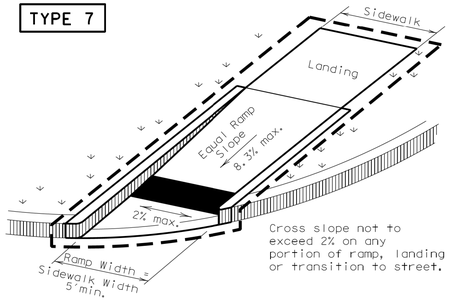
CURB RAMPS AT MEDIAN ISLANDS

TYPE 21



Curb details are shown elsewhere in the plans.

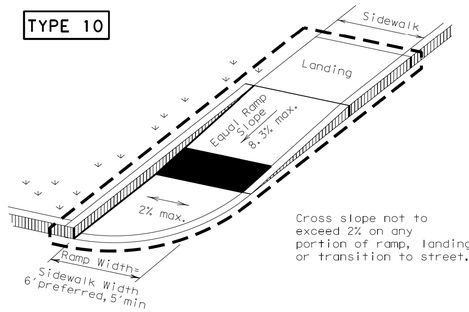
TYPE 7



Cross slope not to exceed 2% on any portion of ramp, landing or transition to street.

(Sidewalk set back from curb)

TYPE 10

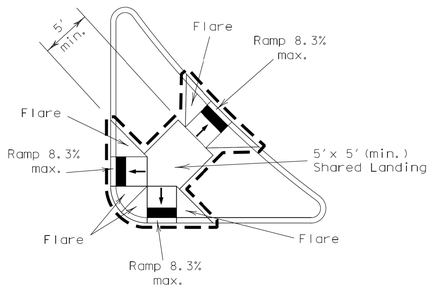


Cross slope not to exceed 2% on any portion of ramp, landing or transition to street.

(Sidewalk adjacent to curb)

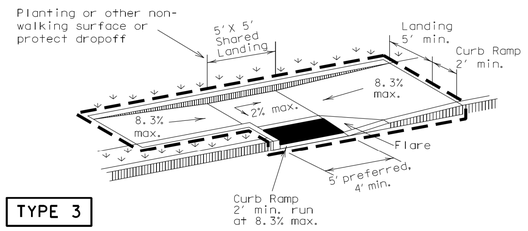
DIRECTIONAL RAMPS WITHIN RADIUS

TYPE 22

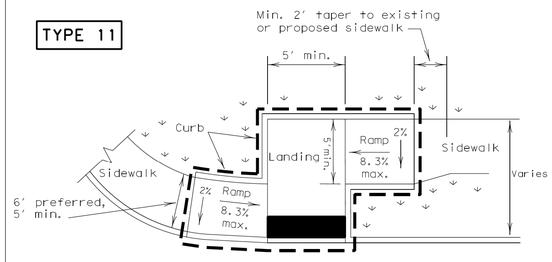


COMBINATION ISLAND RAMPS

TYPE 3

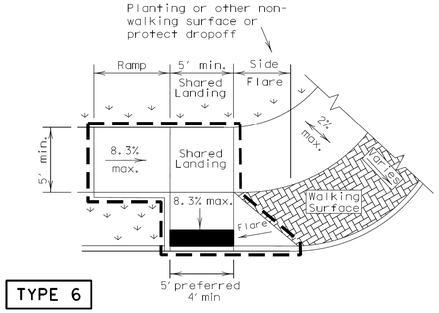


TYPE 11



OFFSET PARALLEL CURB RAMP

TYPE 6



COMBINATION CURB RAMPS

NOTES / LEGEND:

See General Notes on sheet 2 of 4 for more information.

Denotes planting or non-walking surface not part of pedestrian circulation path.

Ramp Limits of Payment

Detectable Warning Surface

SHEET 1 OF 4

Texas Department of Transportation — Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-12A

FILE: ped12a.dgn	DN: TxDOT	CK: RM	DW: TxDOT	CK: VP
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REVISIONS VP June 13, 2012	DIST	COUNTY		SHEET NO.

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Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

TXDOT DETAIL
PED-12A
(1 OF 4)

C9.10

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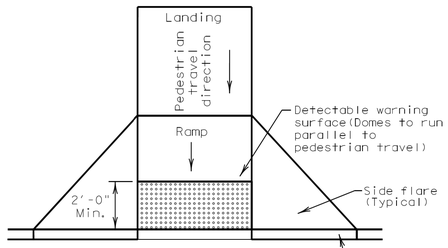
General Notes

Curb Ramps

1. Install a curb ramp or blended transition at each pedestrian street crossing.
2. All slopes shown are maximum allowable. Lesser slopes that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
3. The minimum sidewalk width is 5′. Where the sidewalk is adjacent to the back of curb, a 6′ sidewalk width is desirable. Where a 5′ sidewalk cannot be provided due to site constraints, sidewalk width may be reduced to 4′ for short distances. 5′x 5′ passing areas at intervals not to exceed 200′ are required.
4. Landings shall be 5′x 5′ minimum with a maximum 2% slope in any direction.
5. Maneuvering space at the bottom of curb ramps shall be a minimum of 4′x 4′ wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
6. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
7. Provide flared sides where the pedestrian circulation path crosses the curb ramp. Flared sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
8. Additional information on curb ramp location, design, light reflective value and texture may be found in the current edition of the Texas Accessibility Standards (TAS) and 16 TAC 68.102.
9. To serve as a pedestrian refuge area, the median should be a minimum of 6′ wide, measured from back of curbs. Medians should be designed to provide accessible passage over or through them.
10. Small channelization islands, which do not provide a minimum 5′x 5′ landing at the top of curb ramps, shall be cut through level with the surface of the street.
11. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall align with theoretical crosswalks unless otherwise directed.
12. Handrails are not required on curb ramps. Provide curb ramps wherever on accessible route crosses (penetrates) a curb.
13. Curb ramps and landings shall be constructed and paid for in accordance with Item 531 "Sidewalks".
14. Place concrete at a minimum depth of 5" for ramps, flares and landings, unless otherwise directed.
15. Provide a smooth transition where the curb ramps connect to the street.
16. Curbs shown on sheet 1 within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
17. Existing features that comply with TAS may remain in place unless otherwise shown on the plans.

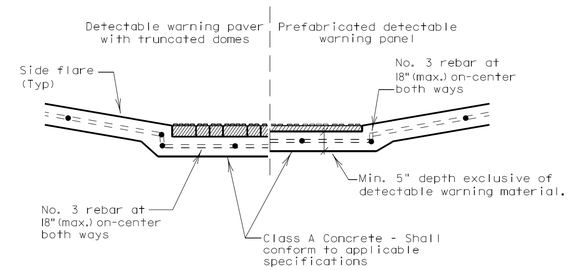
Detectable Warning Material

18. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 705 of the TAS. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved cast-in-place dark brown or dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
19. Detectable Warning Materials must meet TxDOT Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
20. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
21. Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
22. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb. Align the rows of domes to be perpendicular to the grade break between the ramp run and the street. Detectable warning surfaces may be curved along the corner radius.
23. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.

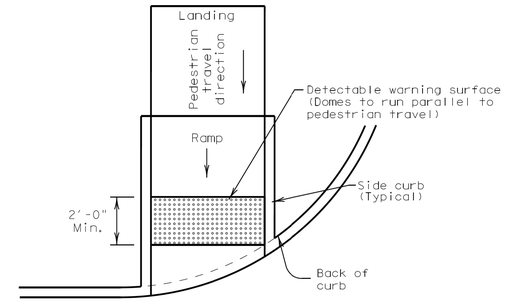


PERPENDICULAR CURB RAMP

Typical placement of detectable warning surface on sloping ramp run.

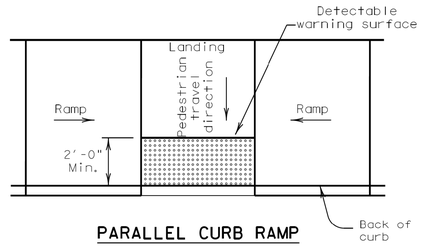


SECTION: CURB RAMP AT DETECTABLE WARNING



DIRECTIONAL CURB RAMP

Typical placement of detectable warning surface on sloping ramp run.



PARALLEL CURB RAMP

Typical placement of detectable warning surface on landing at street edge.

DETECTABLE WARNINGS

Detectable Warning Pavers

24. Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.
25. Lay full-size units first followed by closure units consisting of at least 25 percent of a full unit. Cut detectable warning paver units using a power saw.

Sidewalks

26. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within one or more reach ranges specified in TAS 308.
27. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
28. Street grades and cross slopes shall be as shown elsewhere in the plans.
29. Changes in level greater than 1/4 inch are not permitted.
30. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with TAS 505.
31. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
32. Driveways and turnouts shall be constructed and paid for in accordance with Item "Intersections, Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
33. Sidewalk details are shown elsewhere in the plans.

SHEET 2 OF 4

Texas Department of Transportation | Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-12A

FILE: ped12a.dgn	DN: TxDOT	CK: RM	DW: TxDOT	CK: VP	
©TxDOT March 2002	CONT	SECT	JOB	HIGHWAY	
REVISIONS					
VP June 13, 2012	DIST	COUNTY		SHEET NO.	

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210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

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9500 AMBERGLEN BLVD.
BLDG F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-3141
TBPE FIRM#F-312

Revision No.	Date	Description

F-312 12.4.17

STATE OF TEXAS
SHAWN M. BERTRAM
98190
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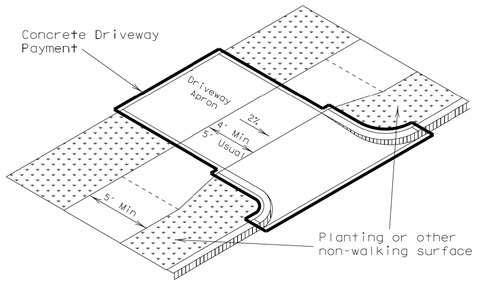
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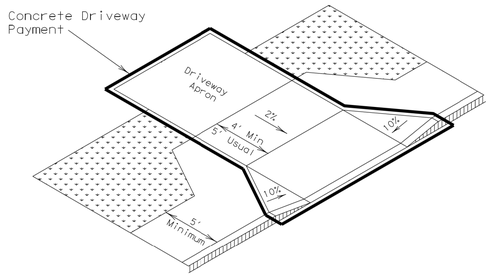
TXDOT DETAIL
PED-12A
(2 OF 4)

C9.11

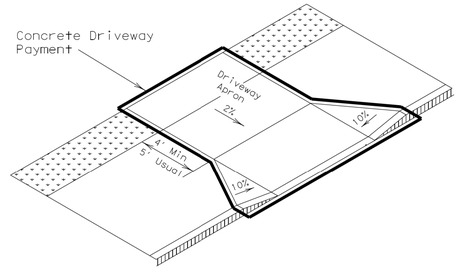
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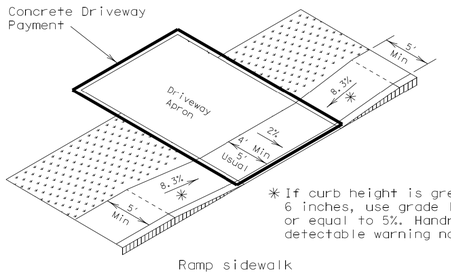
Setback sidewalk



Apron offset sidewalk



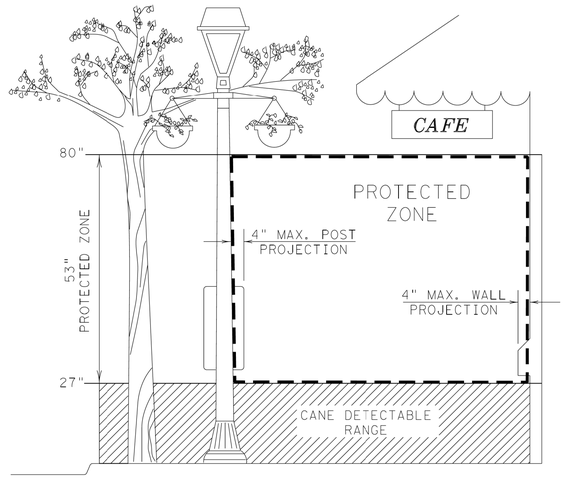
Wide sidewalk



✳ If curb height is greater than 6 inches, use grade less than or equal to 5%. Handrail and detectable warning not required.

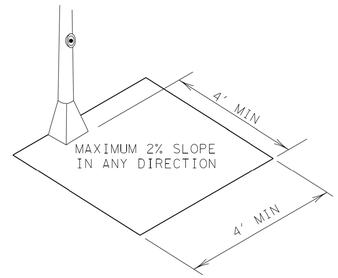
Ramp sidewalk

SIDEWALK TREATMENT AT DRIVEWAYS

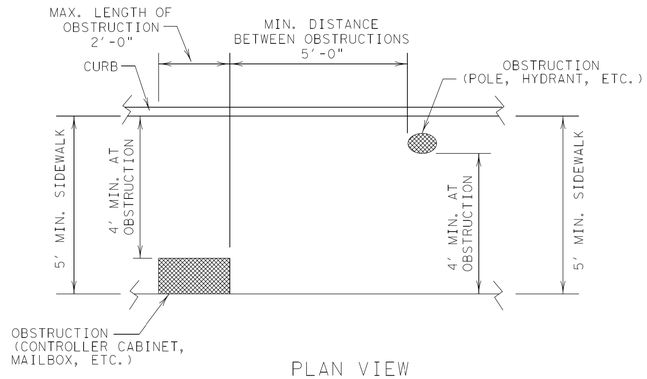


PROTECTED ZONE

In pedestrian circulation area, maximum 4" projection for post or wall mounted objects between 27"and 80" above the surface.



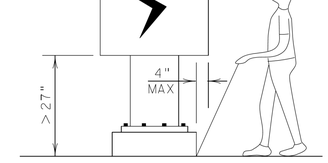
CLEAR GROUND SPACE ADJACENT TO PEDESTRIAN PUSH BUTTON



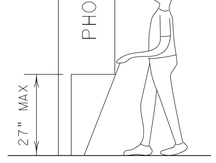
PLAN VIEW

PLACEMENT OF STREET FIXTURES

(ITEMS NOT INTENDED FOR PUBLIC USE. MINIMUM 4' x 4' CLEAR GROUND SPACE REQUIRED AT PUBLIC USE FIXTURES.)



When an obstruction of a height greater than 27" from the surface would create a protrusion of more than 4" into the pedestrian circulation area, construct additional curb or foundation at the bottom to provide a maximum 4" overhang.



Protruding objects of a height ≤ 27" are detectable by cane and do not require additional treatment.

DETECTION BARRIER FOR VERTICAL CLEARANCE < 80"

SHEET 3 OF 4

Texas Department of Transportation | Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-12A

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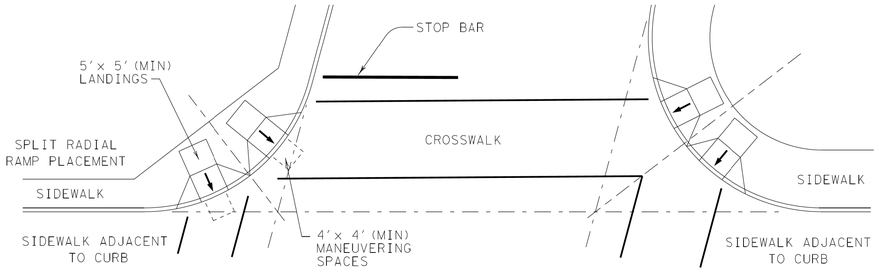
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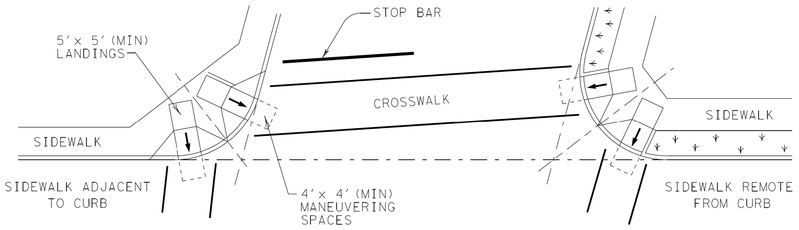
TXDOT DETAIL
PED-12A
(3 OF 4)

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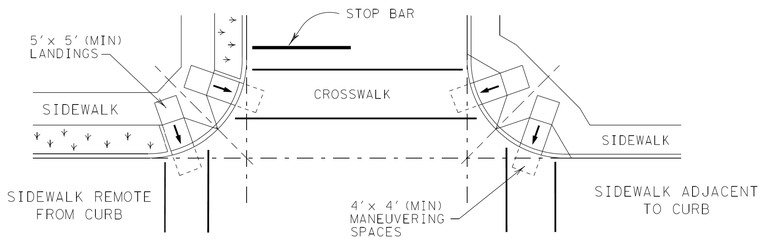
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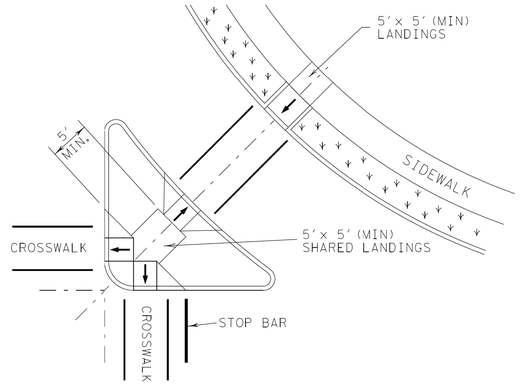
SKEWED INTERSECTION WITH "LARGE" RADIUS



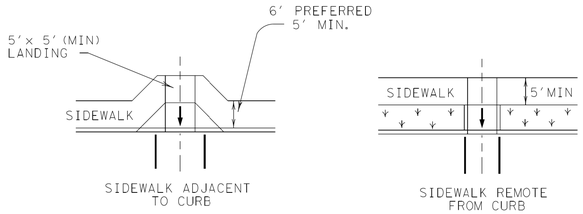
SKEWED INTERSECTION WITH "SMALL" RADIUS



NORMAL INTERSECTION WITH "SMALL" RADIUS



AT INTERSECTION
W/FREE RIGHT TURN & ISLAND



MID-BLOCK PLACEMENT
PERPENDICULAR RAMPS

TYPICAL CROSSING LAYOUTS

SHEET 4 OF 4

Texas Department of Transportation

Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

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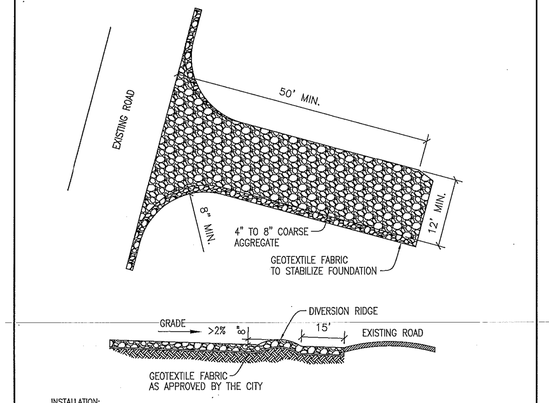
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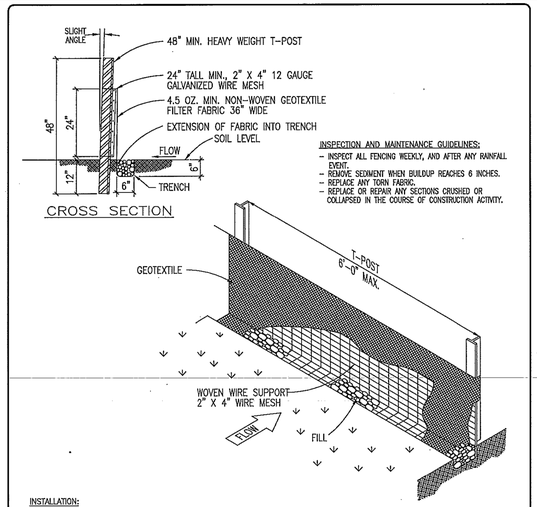
INSTALLATION:

- CLEAR THE AREA OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
- GRADE THE AREA FOR THE ENTRANCE TO FLOW BACK ON TO THE CONSTRUCTION SITE. RUNOFF FROM THE STABILIZED CONSTRUCTION
- ENTRANCE ONTO A PUBLIC STREET WILL NOT BE ACCEPTED.
- PLACE GEOTEXTILE FABRIC AS APPROVED BY THE CITY.
- PLACE ROCK AS APPROVED BY THE CITY.

INSPECTIONS AND MAINTENANCE GUIDELINES:

- THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON TO PUBLIC RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.
- WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STABILIZED CONSTRUCTION ENTRANCE	EN 001



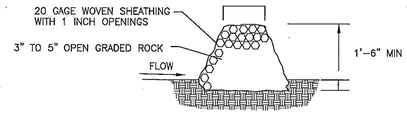
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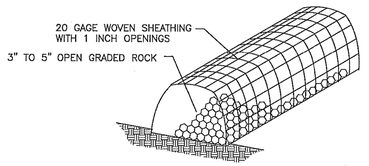
- INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL EVENT.
- REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
- REPLACE ANY TORN FABRIC.
- REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY.

INSTALLATION:

- LAYOUT THE SILT FENCE FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
- CLEAR THE GROUND OF DEBRIS, ROCKS, PLANTS (INCLUDING GRASSES TALLER THAN 2") TO PROVIDE A SMOOTH FLOW APPROACH SURFACE. EXCAVATE 6" DEEP X 6" WIDE TRENCH ON UPSTREAM SIDE OF FACE PER PLANS.
- DRIVE THE HEAVY DUTY T-POST AT LEAST 12 INCHES INTO THE GROUND AND AT A SLIGHT ANGLE TOWARDS THE FLOW.
- ATTACH THE 2" X 4" 12 GAUGE WELDED WIRE MESH TO THE T-POST WITH 11 1/2 GAUGE GALVANIZED T-POST CLIPS. THE TOP OF THE WIRE TO BE 24" ABOVE GROUND LEVEL. THE WELDED WIRE MESH TO BE OVERLAPPED 6" AND TIED AT LEAST 6 TIMES WITH HOG RINGS.
- THE SILT FENCE TO BE INSTALLED WITH A SKIRT A MINIMUM OF 11" WIDE PLACED ON THE UPHILL SIDE OF THE FENCE INSIDE EXCAVATED TRENCH. THE FABRIC TO OVERLAP THE TOP OF THE WIRE BY 1".
- ANCHOR THE SILT FENCE BY BACKFILLING WITH EXCAVATED DIRT AND ROCKS (NOT LARGER THAN 2").
- GEOTEXTILE SPLICES SHOULD BE A MINIMUM OF 18" WIDE ATTACHED IN AT LEAST 6 PLACES. SPLICES IN CONCENTRATED FLOW AREAS WILL NOT BE ACCEPTED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	SILT FENCE DETAIL	EN 003





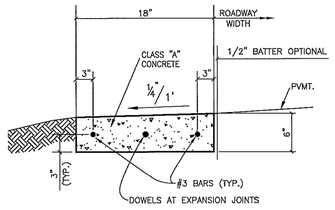
INSTALLATION:

- LAYOUT OF ROCK BERM FOLLOWING AS CLOSELY AS POSSIBLE TO THE CONTOUR.
- CLEAR THE AREA OF DEBRIS, ROCKS OR PLANTS THAT WILL INTERFERE WITH INSTALLATION.
- PLACE WOVEN WIRE FABRIC ON THE GROUND ALONG THE PROPOSED INSTALLATION WITH ENOUGH OVERLAP TO COMPLETELY ENCIRCLE THE FINISHED SIZE OF THE BERM.
- PLACE THE ROCK ALONG THE CENTER OF THE WIRE TO THE DESIGNATED HEIGHT.
- WRAP THE STRUCTURE WITH THE PREVIOUSLY PLACED WIRE MESH SECURE ENOUGH SO THAT WHEN WALKED ACROSS THE STRUCTURE RETAINS IT'S SHAPE.
- SECURE WITH TIE WIRE.
- THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROX. 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.
- THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT IS REMOVED.

INSPECTIONS AND MAINTENANCE GUIDELINES:

- INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL EVENT BY THE RESPONSIBLE PARTY. FOR INSTALLATION IN STREAM BEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.
- REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER.
- REPAIR ANY LOOSE WIRE SHEATHING.
- THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
- THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.

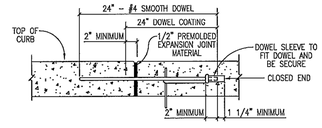
APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	ROCK BERM DETAIL	EN 004



NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309, AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAX.
3. EXPANSION JOINTS AS PER STD. ASTM D-1752.

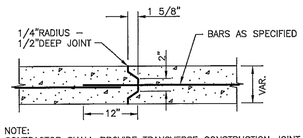
RIBBON CURB



NOTE:
EXPANSION JOINT INTERVALS NOT TO EXCEED 40'-0".

CURB DOWEL DETAIL

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	RIBBON CURB DETAILS	PV 008



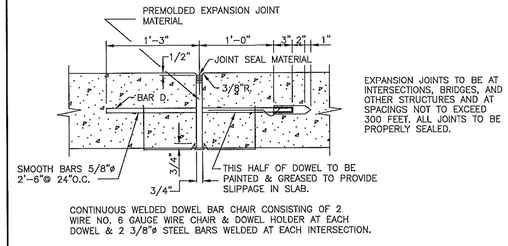
NOTE:
CONTRACTOR SHALL PROVIDE TRANSVERSE CONSTRUCTION JOINT SIMILAR IN DETAIL TO LONGITUDINAL CONSTRUCTION JT. OR EXPANSION JT. AT THE END OF EACH DAYS POUR OR WHEN DIRECTED BY ENGINEERS.

GENERAL NOTES:

1. CONCRETE OR BRICK CHAIRS APPROVED BY THE ENGINEER SHALL BE USED TO SUPPORT REINFORCING STEEL AND SHALL BE PLACED AT THE INTERSECTION OF LONGITUDINAL AND TRANSVERSE BARS AT SPACING AT 3'-8" LONGITUDINALLY AND 4'-0" TRANSVERSELY.
2. PAVEMENT LAYOUT WILL NECESSITATE THAT ALL CONSTRUCTION AND WARPING JOINTS COINCIDE WITH LANE LINES - THRU LANE CONSTRUCTION WILL BE CONTINUOUS WITH ALL LEFT TURN LANES AND TRANSITIONS TO BE POURED AS FILL-INS SUBJECT TO APPROVAL BY THE ENGINEER.
3. ALL TRANSVERSE AND LONGITUDINAL CONTRACTION JOINTS SHALL BE SPACED NOT TO EXCEED 20 FEET AND SHALL BE SAWED WITHIN 24 HOURS FOLLOWING CONCRETE PLACEMENT.

LONGITUDINAL CONSTRUCTION JOINT

NOT TO SCALE



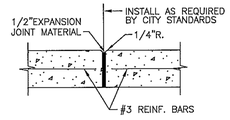
EXPANSION JOINTS TO BE AT INTERSECTIONS, BRIDGES, AND OTHER STRUCTURES AND AT SPACINGS NOT TO EXCEED 300 FEET. ALL JOINTS TO BE PROPERLY SEALED.

CONTINUOUS WELDED DOWEL BAR CHAIR CONSISTING OF 2 WIRE NO. 6 GAUGE WIRE CHAIR & DOWEL HOLDER AT EACH DOWEL & 2 3/8"ø STEEL BARS WELDED AT EACH INTERSECTION.

EXPANSION JOINT

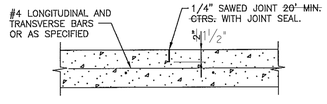
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CS	JULY 2009	JOINT DETAILS (1 OF 2)	PV 010



CURB & GUTTER
EXPANSION JOINT DETAIL

NOT TO SCALE



CONTRACTION JOINT DETAIL

NOT TO SCALE

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	JOINT DETAILS (2 OF 2)	PV 011

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY
1848

HALFF
9500 AMBERGLEN BLVD.
BLDG. F, STE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM#F-312

Revision No.	Date	Description

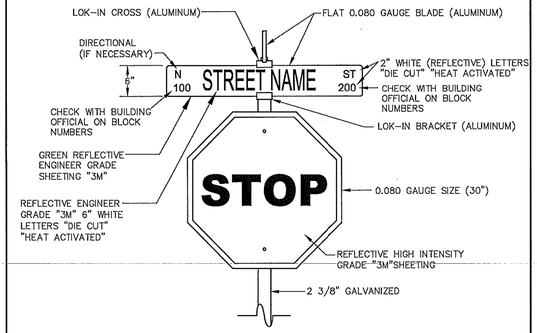
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9500 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

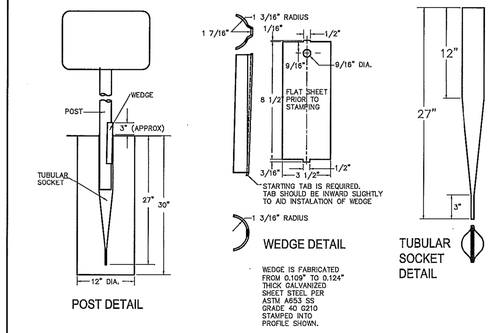
STANDARD DETAILS

C9.14



NOTE:
1. 7-FOOT MIN. HEIGHT FROM GROUND TO BOTTOM OF LOWEST SIGN

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STANDARD STREET SIGN DETAIL	PV 015



POST DETAIL

WEDGE DETAIL

WEDGE IS FABRICATED FROM 0.109" TO 0.124" THICK GALVANIZED SHEET STEEL PER ASTM A653 SS GRADE 40 G210 STAMPED INTO PROFILE SHOWN.

TUBULAR SOCKET DETAIL

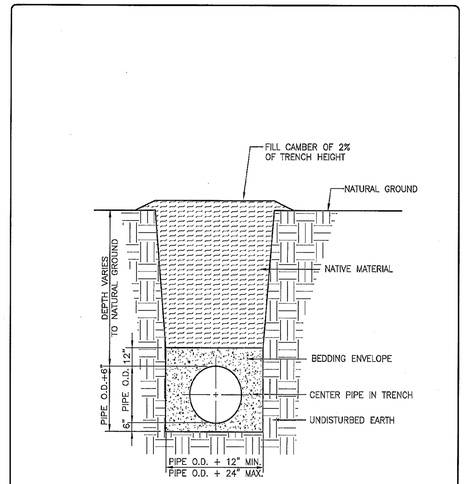
POST – 13 BWM TUBING (2.375" OUTSIDE DIAMETER)

0.095" NORMINAL WALL THICKNESS
SEAMLESS OR ELECTRIC-RESISTANCE WEIDED STEEL TUBING
STEEL SHALL BE HSLAS Gr 55 PER ASTM A1011 OR ASTM A1008
OTHER STEEL 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 0.083" TO 0.099"
OUTSIDE DIAMETER (UNCOATED) SHALL BE WITHIN THE RANGE OF 2.369" TO 2.381"
GALVANIZATION PER ASTM A123 OR A653 G210. FOR PRECOATED STEEL TUBING (ASTM A653)
RECOAT TUBE OUTSIDE DIAMETER WELD SEAM BY METALLIZING WIRE PER ASTM B833

SOCKET

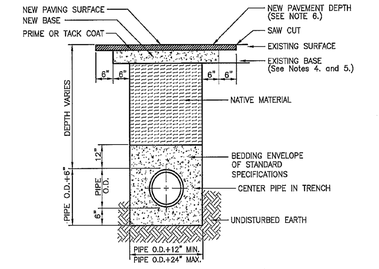
TUBULAR SOCKET PREFABRICATED FROM 12 BWM SEAMLESS OR ELECTRIC-RESISTANCE WELDED STEEL TUBING
2.875" OUTSIDE DIAMETER X 0.109" NORMAL WALL THICKNESS
STEEL SHALL BE HSLAS Gr 55 PER ASTM A1011 OR ASTM A1008
OTHER STEEL MAY BE USED IF THEY MEET THE FOLLOWING:
55,000 PSI MINIMUM YIELD STRENGTH
70,000 PSI MINIMUM TENSILE STRENGTH
20% MINIMUM ELONGATION IN 2"
WALL THICKNESS (UNCOATED) SHALL BE WITHIN THE RANGE OF 0.097" TO 0.113"
GALVANIZATION PER ASTM A123 AFTER FABRICATION, OR PER ASTM A653 G210. FOR PERCOATED STEEL TUBING (ASTM A653) RECOAT TUBE OUTSIDE DIAMETER WELD SEAM BY METALLIZING WITH ZINC WIRE PER ASTM B833.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	WEDGE ANCHOR SYSTEM	PV 016



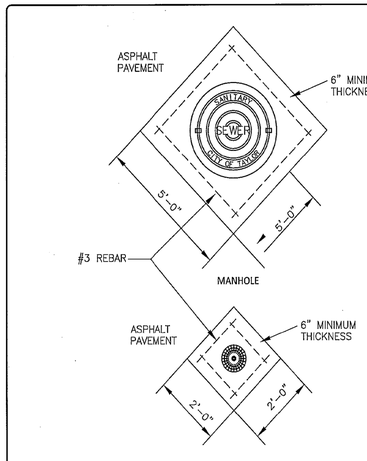
NOTE:
WASTEWATER BEDDING SHALL BE CRUSHED STONE

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	TYPICAL TRENCH WITH UNFINISHED SURFACE	UT 003



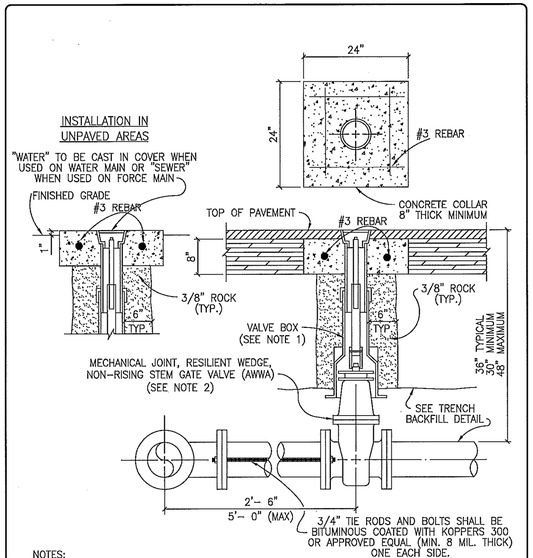
NOTES:
1. THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION.
2. ANY CONCRETE PAVING SHALL BE SAW CUT 6" WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
3. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR TEMPORARY HOT MIX.
4. ROAD BASE AND SURFACE MATERIALS IN THE TRENCH CUT SHALL BE REPLACED IN KIND OF EQUAL THICKNESS, OR MINIMUM BASE THICKNESS OF 10 INCHES, WHICHEVER IS GREATER
5. ALL DAMAGED AREAS OF PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH MINIMUM OF 8 INCHES OF BASE OR MATCH EXISTING, WHICHEVER IS GREATER.
6. SURFACE PAVEMENT SHALL BE OF THE KIND AND THICKNESS AS EXISTING, OR MINIMUM 2 INCHES, WHICHEVER IS GREATER
7. ALL PRESSURE PIPE SHALL BE PROVIDED WITH THRUST BLOCKS WHERE CHANGES IN DIRECTION OCCUR, AT TEES, BENDS, CROSSES, CHANGES IN SLOPE, STOPS (DEAD ENDS) VALVES AND OR AS SHOWN, ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	TYPICAL TRENCH WITH PAVED SURFACE	UT 004



NOTES:
1. ALL ASPHALT PAVEMENT SHALL BE REMOVED ALONG NEAT SAW CUT LINES.
2. MANHOLE BOXOUT REQUIRED FOR ALL MANHOLES (STORM AND SANITARY) AND CLEANOUTS ~~LOCATED IN THE STREET.~~
3. 1/2" RADIUS EDGE ON CONCRETE
4. #3 REBAR – 3000 PSI

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	MANHOLE AND WATER VALVE BOXOUT	UT 008



NOTES:
1. VALVE BOX SHALL BE AMERICAN FLOW CONTROL TRENCH ADAPTER OR APPROVED EQUAL 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

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	TYPICAL VALVE SETTING	UT 009

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY
1848

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AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-3141
TBPE FIRM#F-312

Revision No.	Date	Description

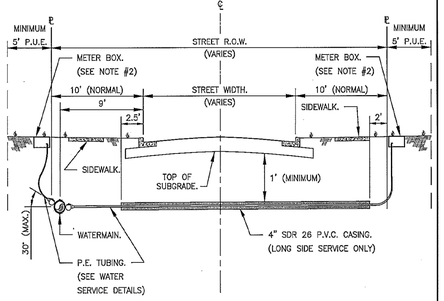
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9500 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

STANDARD DETAILS

C9.15



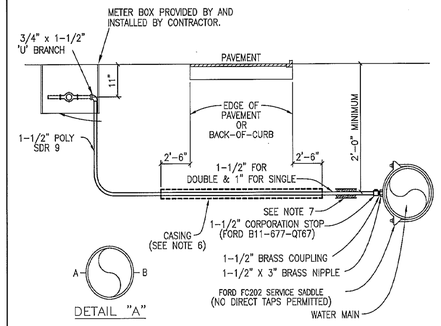
*NO METERS IN THIS CONTRACT

NOTE:

~~1. REFER TO "STANDARD INSTALLATION DETAIL FOR ONE OR TWO METERS" FOR SERVICE SPECIFICS.~~

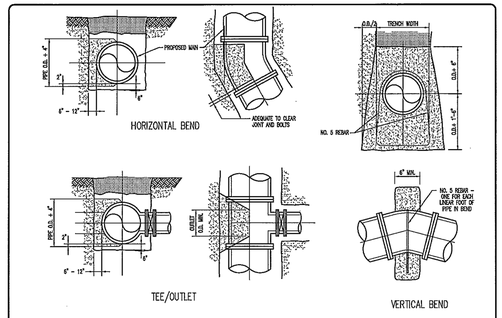
~~2. METER BOXES SHALL BE SET AS CLOSE TO R.O.W. (℄) AS POSSIBLE, WITH NO PART OF BOX WITHIN R.O.W. METER BOXES SHALL BE LEVEL FROM SIDE TO SIDE AND NO MORE THAN 1/4"/FT. SLOPE FROM FRONT TO BACK (OR BACK TO FRONT). GRADING IN P.U.E. AROUND METER BOX SHALL BE 3:1 MAXIMUM AND SHALL BLEND TO OTHER UTILITY APPURTENANCES WITHOUT ABRUPT ELEVATION CHANGES.~~

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	WATER SERVICE CASING DETAIL	UT 010



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: TYPE 'K' COPPER OR POLY SDR 9.
4. SERVICE LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CORPORATION STOP WITH NO FITTINGS IN BETWEEN.
5. SERVICE CASING SHALL NOT BE INSTALLED BY WATER JETTING UNDER ROADWAY.
6. 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 WHERE REASONABLE WITH 2.5' MINIMUM.
7. THERE SHALL BE A 6" ENVELOPE OF 3/8" ROCK AROUND ALL SERVICE PIPE.
8. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
9. SINGLE METER BOX AND LID – HUGHES SUPPLY PART NO. D12–BMR, OR APPROVED EQUAL. DOUBLE METER BOX – HUGHES SUPPLY PART NO. D1500–DUB/O, LID – D15–BMRL, OR APP. EQUAL.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	TYPICAL WATER SERVICE - ELEVATION	UT 014



THRUST BLOCK DESIGN AS FOLLOWS:
A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) + 50% SURGE ALLOWANCE
B. MINIMUM SOIL BEARING:

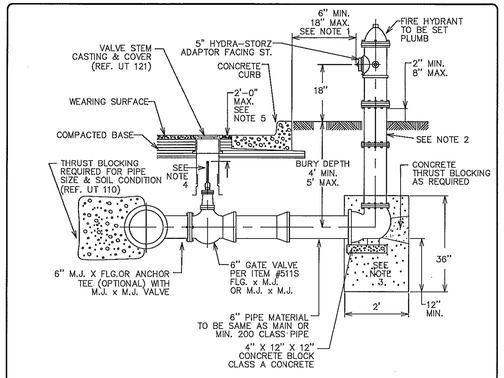
SOIL TYPE	PRESSURE
LIMESTONE	4000 LBS./SQ. FT.
UNDISTURBED SOIL, CALICHE	2000 LBS./SQ. FT.
LOOSE OR SWAMPY SOIL	1500 LBS./SQ. FT.

CONCRETE THRUST BLOCKING SCHEDULE **

PIPE SIZE (INCHES)	THRUST (POUNDS)	AREA REQUIRED (SQUARE FEET) BEARING AGAINST TRENCH WALL FOR PRESSURE PIPE						
		TEES AND PLUGS	BENDS					
			90°	45°	22-1/2°	11-1/4°	5°	1°
4	2,513	1.00	1.00	0.50	0.50	N/A	N/A	N/A
6	5,655	1.41	2.00	1.08	1.00	0.50	N/A	N/A
8	10,053	2.51	3.55	1.92	1.00	0.50	0.50	N/A
12	22,619	5.65	8.00	4.33	2.21	1.11	0.50	N/A
16	40,212	10.05	14.22	7.69	3.92	1.97	1.00	N/A
24	90,478	22.62	31.99	17.31	8.83	4.43	1.97	0.50
30	141,372	35.34	49.98	27.05	13.79	6.93	3.08	1.00
36	203,575	50.89	71.97	38.95	19.86	9.98	4.44	1.00
42	277,088	69.27	97.97	53.02	27.03	13.58	6.04	1.21
48	361,911	90.48	127.95	69.29	35.30	17.74	7.89	1.58
54	458,044	114.51	161.94	87.64	44.68	22.45	9.99	2.00

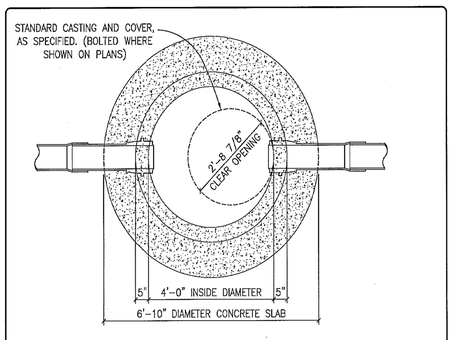
** BASED ON A 4,000 P.S.F. SOIL BEARING CAPACITY AND A 200 P.S.I. MAX. LINE PRESSURE INCREASE AND DECREASE BEARING AREA IN ACCORDANCE WITH THE BEARING STRENGTH OF SOIL AS DESCRIBED IN SCHEDULE.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	CONCRETE THRUST BLOCKING	UT 015



NOTES:
1. DIMENSIONS ARE APPLICABLE IN SPACE BETWEEN CURB AND SIDEWALK. WHERE WALK ABUTS CURB, AND IN PUBLIC OR COMMERCIAL AREAS, DIMENSION FROM BACK OF CURB SHALL BE 3' TO 6'. HYDRANTS ARE NOT TO BE PLACED IN SIDEWALK OR RAMP AREAS. SEE CITY OF TAYLOR STANDARD SPECIFICATIONS FOR LOCATION OF HYDRANT.
2. FOR BURY DEPTHS GREATER THAN 5', ONE BARREL EXTENSION NOT EXCEEDING 2' LENGTH SHALL BE INSTALLED DIRECTLY BELOW THE FIRE HYDRANT.
3. CRUSHED STONE OR GRAVEL SHALL BE PLACED AROUND THE BOTTOM OF THE HYDRANT FOR A RADIUS OF AT LEAST 12" AND EXTEND AT LEAST 12" ABOVE THE OUTLET. DO NOT BLOCK DRAIN HOLES.
4. WELD SOCKET 2⅝" X 2" DEEP TO 1" SCH. 40 ROUND STEM EXTENSION, FITTED ON OPERATING NUT, SCH. 80 FOR LENGTHS OVER 10'.
5. VALVE EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 18" & 24" FROM FINISHED GRADE.
6. HYDRANTS ARE TO BE PAINTED BY MANUFACTURER WITH "KEM–LUSTER" VERMILLION RED.
7. HYDRANTS ARE TO BE MUELLER "CENTURION" OR EQUIVALENT, CAPS AND CHAINS ARE NOT TO BE SUPPLIED WITH HYDRANTS.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STANDARD FIRE HYDRANT	UT 018



MANHOLE PLAN

CITY OF TAYLOR NOTES:

MANHOLE DETAILS SHALL REFLECT THE CITY'S MINIMUM SPECIFICATIONS, AS STATED BELOW:

A. ALL MANHOLES SHALL BE 48" I.D., R.C.P., CLASS III, WITH RUBBER O–RING GASKET JOINTS CONFORMING TO ASTM C478, C433 AND C76.

B. ALL MANHOLES SHALL HAVE WATER–TIGHT FRAME AND COVER, WITH A MINIMUM 36" CLEAR OPENING, AS MANUFACTURED BY EAST JORDAN IRON WORKS (AS PER DETAIL # WW–07) OR APPROVED EQUAL.

C. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON FRAME AND COVER.

D. ALL MANHOLES SHALL HAVE AN ECCENTRIC CONE.

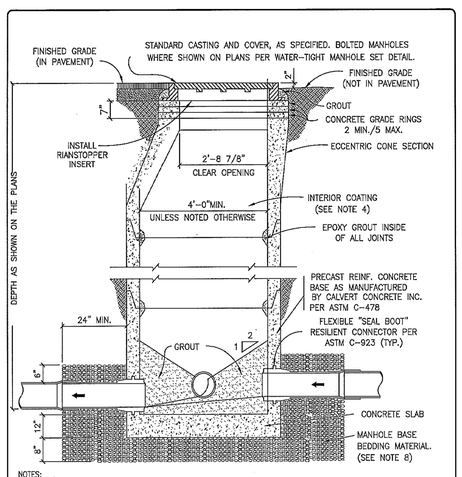
E. MANHOLES MAY HAVE A FLAT LID, IF APPROVED BY CITY OF TAYLOR, BEING 12" THICK WITH A MINIMUM 30" OPENING, AS MANUFACTURED BY CALVERT CONCRETE OR APPROVED EQUAL M.F.G. CONFORMING TO ASTM C478, 5000 P.S.I. CONCRETE, TRAFFIC BEARING, AND O–RING JOINT CONFORMING TO ASTM C443.

F. INVERTS AND FLEXIBLE SEAL BOOTS, PER ASTM C–923, SHALL BE CAST INTO BASE SECTION.

G. MINIMUM DROP BETWEEN INVERTS SHALL BE ONE–TENTH OF A FOOT (0.1').

H. TWO (2") INCH GRADE RINGS WITH AN I.D. TO MATCH FRAMES CLEAR OPENING, MINIMUM OF TWO (2), MAXIMUM OF FIVE (5) GRADE RINGS REQUIRED.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STANDARD MANHOLE - PLAN	UT 200



NOTES:
1. MANHOLES SHALL BE PRECAST ASTM C–478 BELL AND SPIGOT WITH "O" RING JOINTS.
2. SEE PLANS AND MANHOLE SCHEDULE, FOR MANHOLE SIZE, LOCATION, CONFIGURATION, TYPE OF TOP SECTION, VENTING REQUIREMENTS, PIPE SIZE AND TYPES.
3. SEE SPECIFICATIONS ON MATERIALS AND CONSTRUCTION.
4. AN 80 MIL COAT OF RAVEN LINING SYSTEMS, RAVEN 405 ULTRA HIGH BUILD EPOXY COATING, OR APPROVED EQUAL, TO BE APPLIED TO ENTIRE INTERIOR OF EACH WASTEWATER MANHOLE AND UNDERSIDE OF FLAT TOPS.
5. ALL MANHOLE COVERS SHALL BE BOLTED AND GASKETTED WHEN MANHOLES ARE LOCATED OUT FROM PAVEMENT.
6. MANHOLES TO BE VENTED ARE IDENTIFIED ON MANHOLE SCHEDULE. REFERENCE MANHOLE VENT DETAIL.
7. MANHOLES ARE TO BE DESIGNED TO RESIST LATERAL AND VERTICAL SOIL FORCES RESULTING FROM MANHOLE DEPTH. ADDITIONALLY, MANHOLES LOCATED IN PAVEMENT TO BE DESIGNED FOR HS–20 TRAFFIC LOADS.
8. MANHOLE BASE BEDDING MATERIAL SPECS. FOR 3/4" WASHED GRAVEL:
SIEVE SIZE 2", PERCENT (%) RETAINED 0
SIEVE SIZE 1 1/2", % RETAINED 0–10
SIEVE SIZE 1", % RETAINED 45–80
SIEVE SIZE 3/4", % RETAINED 85–100
SIEVE SIZE 3/8", % RETAINED 95–100

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STANDARD MANHOLE - SECTION	UT 201

HALFF
9600 AMBERGLEN BLVD.
BLDG. F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM#F-312

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY
1848

Revision No.	Date	Description

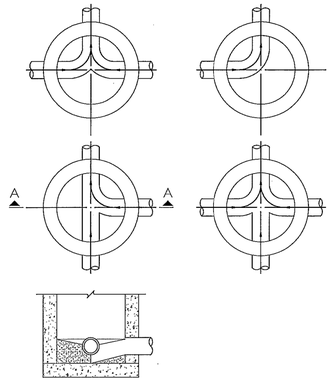
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SHAWN M. BERTRAM, P.E. #98190 ON 12/04/2017. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC. 9600 AMBERGLEN BLVD. BUILDING F, SUITE 125, AUSTIN, TEXAS 78729. TBPE FIRM#F-312

Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

STANDARD DETAILS

C9.16

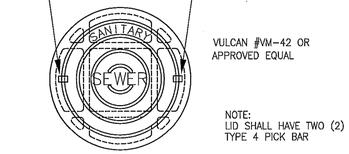


SECTION "A–A"

NOTES:

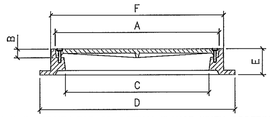
1. INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
2. SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOW.
3. CHANNELS FOR FUTURE CONSTRUCTIONS (STUBS) SHALL BE CONSTRUCTED, FILLED WITH SAND, AND COVERED WITH 1" OF MORTAR.
4. SLOPE MANHOLE ITSELF WITH A 1:2 SLOPE FROM MANHOLE WALL TO CHANNEL.
5. INVERT SHALL BE A MINIMUM OF 1/2 THE DIAMETER OF THE LARGEST PIPE OR 4" DEEP.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	FLOW PATTERNS FOR INVERT CHANNELS	UT 204



VULCAN #VM-42 OR APPROVED EQUAL

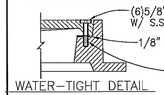
NOTE:
LID SHALL HAVE TWO (2) TYPE 4 PICK BAR



PLEASE SPECIFY TOP OR BOTTOM FLANGE WHEN ORDERING.
FOR TOP FLANGE ORDER No. V-1800-5 (East Jordan Iron Works, inc.)
FOR BOTTOM FLANGE ORDER No. V-1600-5 (East Jordan Iron Works, inc.)

THE WATER-TIGHT MANHOLE SETS (V-2600-5) FEATURE SIX STAINLESS STEEL BOLTS IN COUNTERSUNK POCKETS AND A SEALING FLAT GASKET IN THE RING SET.

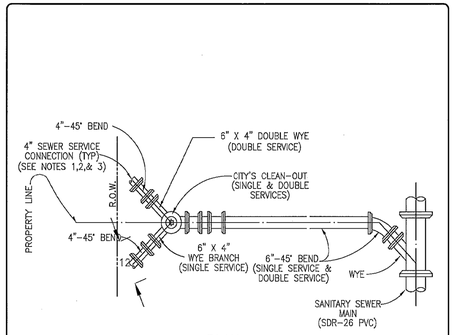
BOLTING PADS REDUCE THE STANDARD CLEAR OPENING BY TWO TO THREE INCHES.



WATER-TIGHT DETAIL

	DIMENSIONS						COVER		RING		SET
	A	B	C	D	E	F	CASTING	WEIGHT	CASTING	WEIGHT	WEIGHT
V-1600-5	38	2	36	46	6	40	41600523	365 LBS	41600510	320 LBS	685 LBS
V-1800-5	38	2	36	46	6	40	41600523	365 LBS	41600510	320 LBS	685 LBS
V-2600-5	38	2	36	46	6	40	42600523	365 LBS	41600511	320 LBS	685 LBS

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	STANDARD WASTEWATER MANHOLE SET	UT 205

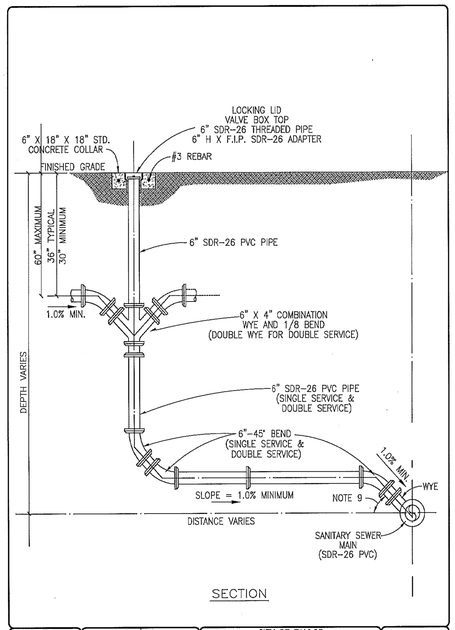


PLAN

NOTES:

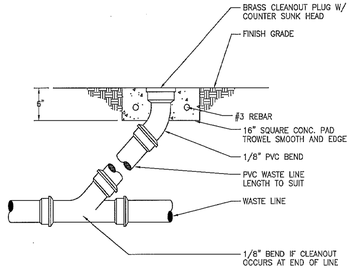
1. FOR INSTALLATION WITHIN UTILITY EASEMENTS, SERVICE CONNECTION RISERS MAY BE LOCATED INSIDE THE PROPERTY LINE.
2. ~~TIE CLEAN OUT SHALL BE EXTENDED 12" ABOVE FINISH GRADE.~~
3. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED CAP OR PLUG.
4. CONNECT YARD LINE TO SERVICE LINE WITH RIGID, SOLVENT-WELDED PVC TO PVC ADAPTER.
5. SOLIDLY TAMP BACKFILL AT LEAST ONE FOOT (1'-0") ABOVE TOP OF PIPE. SERVICES UNDER PAVED AREAS SHALL BE BACKFILLED TO THE SAME SPECIFICATIONS AS SHOWN ON PAVEMENT REPLACEMENT DETAIL.
6. CONTRACTOR SHALL MARK ON A CLEAN SET OF PLANS THE FINAL STATIONING OR DISTANCE AND DIRECTION FROM MANHOLE TO EACH SERVICE LATERAL AND GIVE TO ENGINEER FOR RECORD DRAWING PURPOSES.
7. ANY DEVIATION FROM THESE METHODS MUST BE APPROVED BY THE CITY ENGINEERING DEPARTMENT.
8. SERVICE LINE MATERIAL SHALL BE P.V.C., SDR–26.
9. SEWER SERVICE SLOPE TO BE 45° OFF CENTERLINE OF MAIN.

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	SEWER SERVICE CONNECTION PLAN VIEW	UT 206

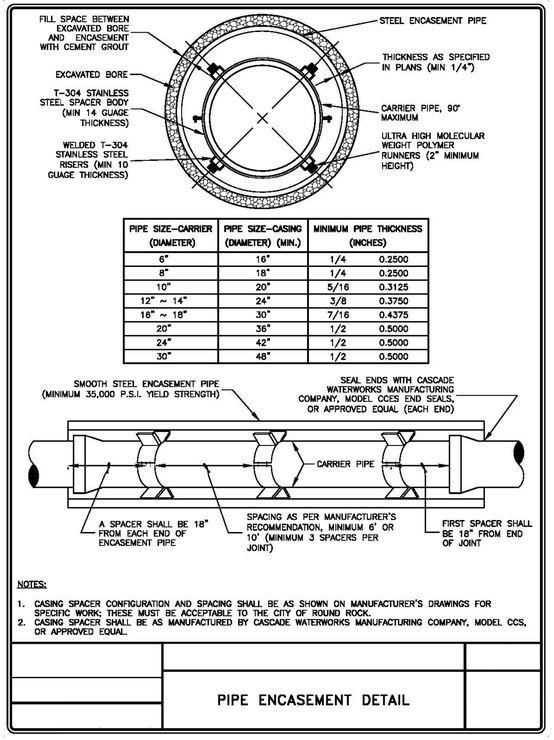


SECTION

APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	SEWER SERVICE CONNECTIONS SECTION VIEW	UT 207



APPROVED BY:	DATE:	CITY OF TAYLOR WILLIAMSON COUNTY, TEXAS STANDARD DETAILS	STANDARD
CS	JULY 2009	SANITARY SEWER CLEANOUT	UT 208



PIPE SIZE–CARRIER (DIAMETER)	PIPE SIZE–CASING (DIAMETER) (MIN.)	MINIMUM PIPE THICKNESS (INCHES)	
6"	16"	1/4	0.2500
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

NOTES:

1. CASING SPACER CONFIGURATION AND SPACING SHALL BE AS SHOWN ON MANUFACTURER'S DRAWINGS FOR SPECIFIC WORK; THESE MUST BE ACCEPTABLE TO THE CITY OF ROUND ROCK.
2. CASING SPACER SHALL BE AS MANUFACTURED BY CASCADE WATERWORKS MANUFACTURING COMPANY, MODEL CCS, OR APPROVED EQUAL.

PIPE ENCASEMENT DETAIL

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY
1848

HALFF
9500 AMBERGLEN BLVD.
BLDG. F, STE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-3141
TBPE FIRM#F-312

Revision No.	Date	Description

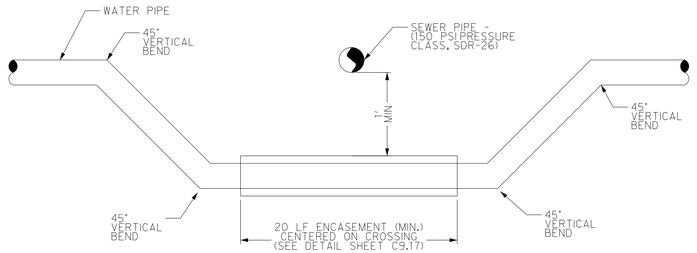
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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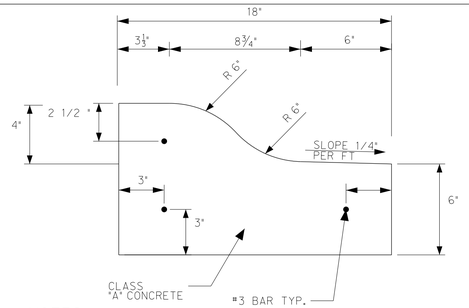
Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

STANDARD DETAILS

C9.17



WATER - SEWER CROSSING DETAIL N.T.S.



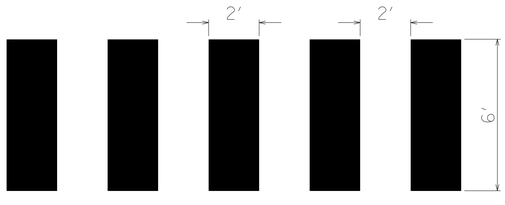
NOTES:

1.) ALL WORK & MATERIALS SHALL CONFORM TO ASTM A615, A615M, C309 AND D1752. BROOM FINISH EXPOSED SURFACE.

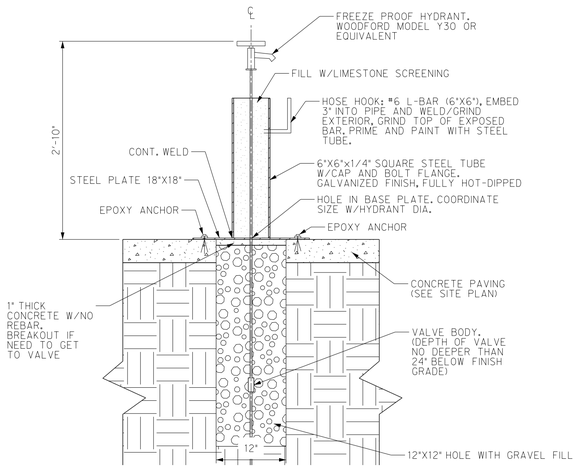
2.) CONTRACTION JOINT SPACING 10' MAX.

3.) EXPANSION JOINTS PER STD. ASTM D-1752

4-IN ROLL CURB DETAIL N.T.S.



CROSSWALK PAINTING DETAIL N.T.S.



YARD HYDRANT DETAIL N.T.S.

ONE COMPANY. ONE WORLD. ONE SOURCE.™

OPW FUELING CONTAINMENT SYSTEMS

Specification Sheet

Product: OPW 269 Sanitary Tank Hatch

OPW 269 Sanitary Tank Hatch

The OPW 269 Sanitary Tank Hatch threads onto the fill pipe of an underground sanitary waste disposal tank. The 269 is foot-operated and quick-opening/closing for clean emptying of sanitary waste from RV's, campers and travel trailers.

The non-recessed design provides straight-through flow to eliminate entrapment of waste materials.

Body: Coated Ductile Iron
Cap: Cast Zinc

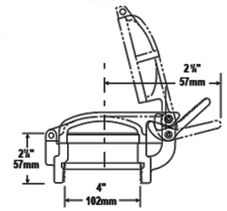


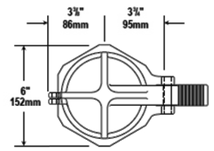
Ordering Specifications

Part Number	in.	Mm	lbs.	kg
269-0085	4	102	10.92	4.91

Replacement Parts

Part Number	Description
D00800B	Cap
H05783DI	Treadles
H05784M	Pin



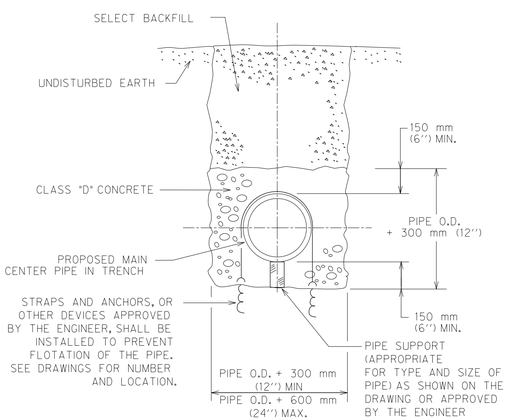


OPW Fueling Containment Systems
3250 US Highway 70 Business W.
Smithfield, NC 27577
Customer Service: 1-800-422-2525
www.opwglobal.com

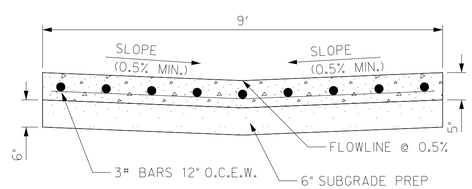
Publication: 269-SPEC
Issue Date: 04/03/12

NOTE:
ABOVE PRODUCT OR APPROVED EQUAL

DUMPSTATION LOCKING LID DETAIL N.T.S.



CONCRETE ENCASEMENT DETAIL N.T.S.



NOTES:
1.) CLASS A CONCRETE
2.) PROVIDE TOOLED JOINTS @ 10' WITH DOWELS AND EXPANSION JOINTS @ 40' MAX.

CONCRETE PILOT CHANNEL DETAIL N.T.S.

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

HALFF®
9600 AMBERGLEN BLVD.
BLDG. F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-3141
TBPE FIRM#F-312

Revision No.	Date	Description

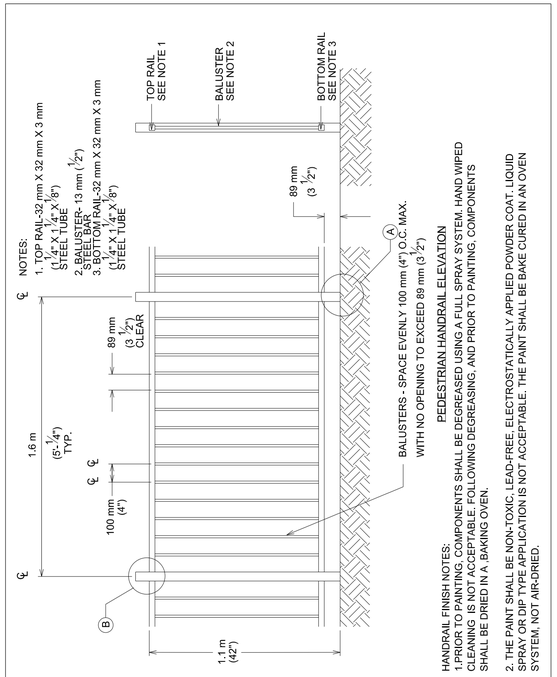
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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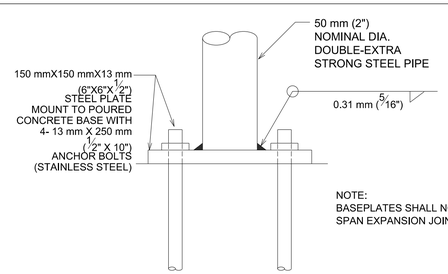
Project No.:	32388
Issued:	12/04/2017
Drawn By:	JN
Checked By:	SB

CIVIL DETAILS

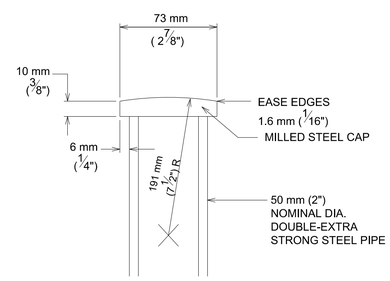
C9.18



	PEDESTRIAN HANDRAIL	
	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1 OF 2

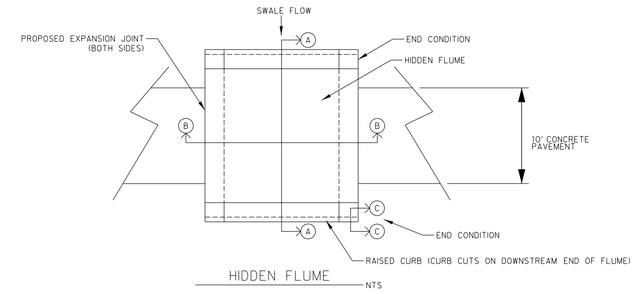


A. BASE PLATE DETAIL

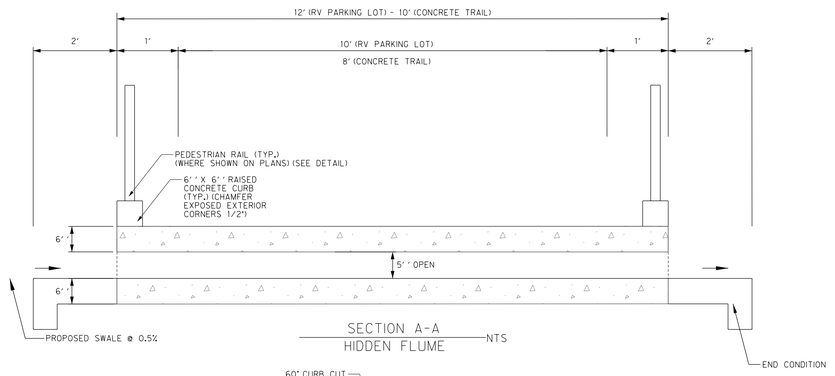


B. CAP SECTION

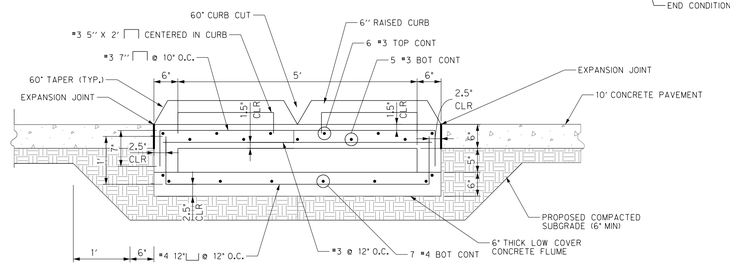
	PEDESTRIAN HANDRAIL	
	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 2 OF 2



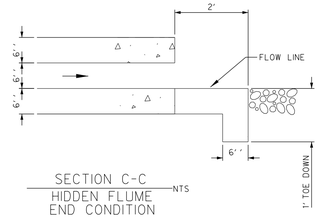
HIDDEN FLUME NTS



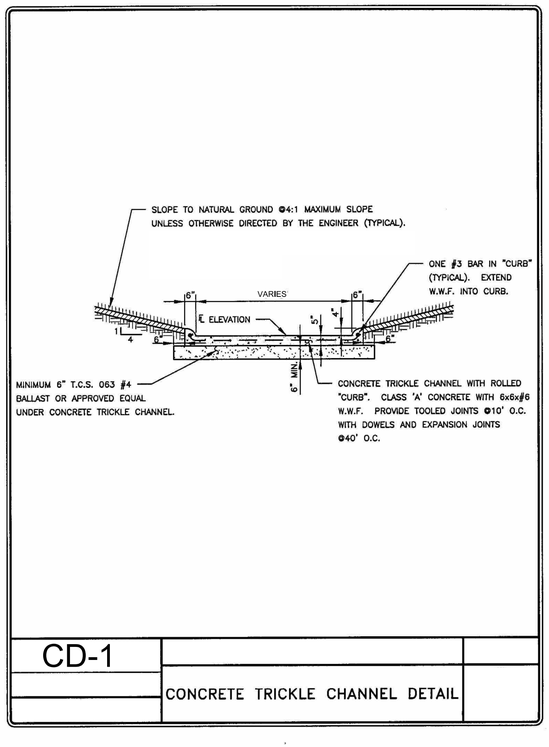
SECTION A-A
HIDDEN FLUME NTS



SECTION B-B
HIDDEN FLUME NTS



SECTION C-C
HIDDEN FLUME
END CONDITION NTS



CD-1		
	CONCRETE TRICKLE CHANNEL DETAIL	

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

HALFF
9500 AMBERGLEN BLVD.
BLDG. F, SUITE 125
AUSTIN, TEXAS 78729
TEL (512) 777-4600
FAX (512) 252-8141
TBPE FIRM# F-312

Revision No.	Date	Description

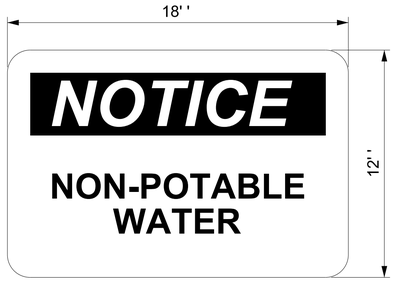
F-312 12.4.17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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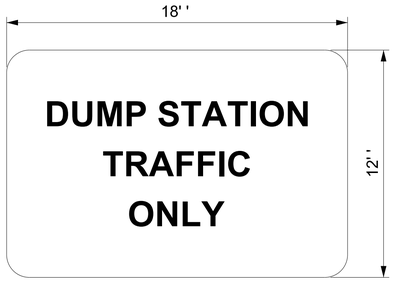
Project No.: 32388
Issued: 12/04/2017
Drawn By: JN
Checked By: SB

CIVIL DETAILS

C9.19



NOTES:
1.) "NOTICE" SHALL BE WHITE BLOCK TEXT 3'' MINIMUM HEIGHT ON BLUE REFLECTIVE BACKGROUND
2.) "NON-POTABLE WATER" SHALL BE BLOCK TEXT 1'' MINIMUM HEIGHT BLACK IN COLOR
3.) SIGN BACKGROUND TO BE WHITE IN COLOR
4.) SIGN TO BE MOUNTED PER BOLLARD DETAIL
5.) SIGN MATERIAL SHALL BE ENGINEERING GRADE (TYPE I) REFLECTIVE ALUMINUM OR APPROVED EQUAL



NOTES:
1.) "DUMP STATION TRAFFIC ONLY" SHALL BE BLOCK TEXT 2'' MINIMUM HEIGHT WHITE IN COLOR
2.) SIGN BACKGROUND TO BE BROWN IN COLOR
3.) SIGN TO BE MOUNTED WITH PROFESSIONAL HARDWARE (NO ALL-THREAD ALLOWED)
4.) SIGN MATERIAL SHALL BE ENGINEERING GRADE (TYPE I) REFLECTIVE ALUMINUM OR APPROVED EQUAL

DUMPSTATION SIGNAGE
N.T.S.

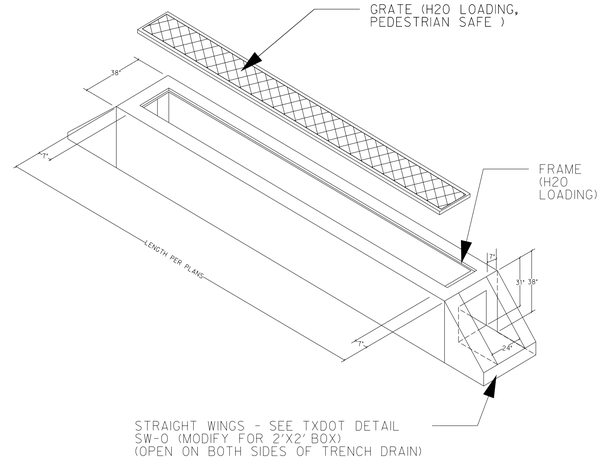


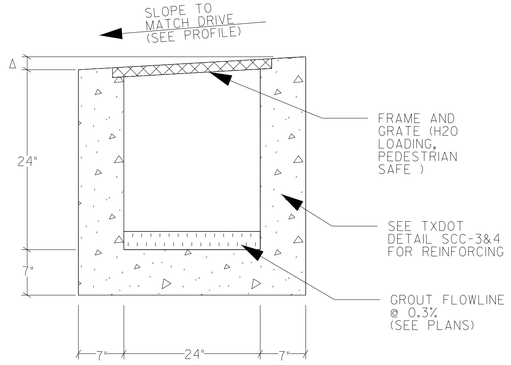
KEY

1. 6" DIA. X6 'L SCH. 40 STEEL PIPE BOLLARD PRIMED WITH RUST INHIBITOR, PAINT WITH SHERWIN-WILLIAMS INDUSTRIAL COATING COLOR: UMBRA (SW4008). FILL POST WITH CONCRETE AND 2" HT. DOME CONC. CAP TOP.
2. SIGN "NON-POTABLE", ATTACH WITH (2) 1/2" TAMPER PROOF LAG BOLTS.*
3. FINISH GRADE
4. 18" DIA. CONCRETE FOOTING 3000 PSI WITH (2) #6 X 14" BARS EACH WAY THRU PIPE. CROWN TOP OF FOOTING AWAY FROM POST

*OMIT SIGN WHERE SHOWN ON PLANS AS "PLAIN BOLLARD"

BOLLARD DETAIL
N.T.S.





NOTES:
1.) CONCRETE SHALL BE 5,000 PSI 28 DAY STRENGTH
2.) REINFORCING SHALL MEET ASTM A-615 OR A-185
3.) CAST IRON SHALL MEET ASTM A-46 CLASS 30/35
4.) FRAME AND GRATE SHALL MEET H20 LOADING REQUIREMENTS
5.) GRATE SHALL MEET ADA STANDARDS (1/2" MAX. OPENING WIDTH)
6.) GROUT FLOWLINE @ 0.3% PER PLANS
7.) SEE TXDOT DETAIL SCC-3&4 (MODIFY FOR 2'x2' W/OPEN TOP)

TRENCH DRAIN DETAIL
N.T.S.

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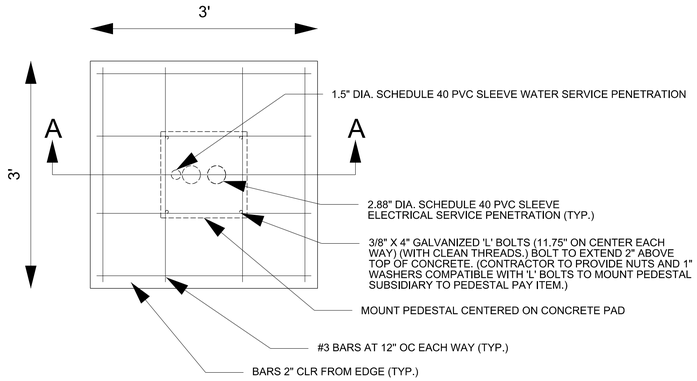
F-312 12-4-17
STATE OF TEXAS
SHAWN M. BERTRAM
98190
LICENSED
PROFESSIONAL ENGINEER

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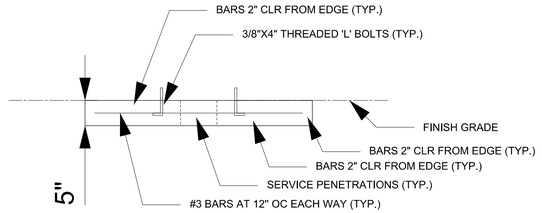
Project No.:	32388
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Checked By:	SB

CIVIL DETAILS

C9.20

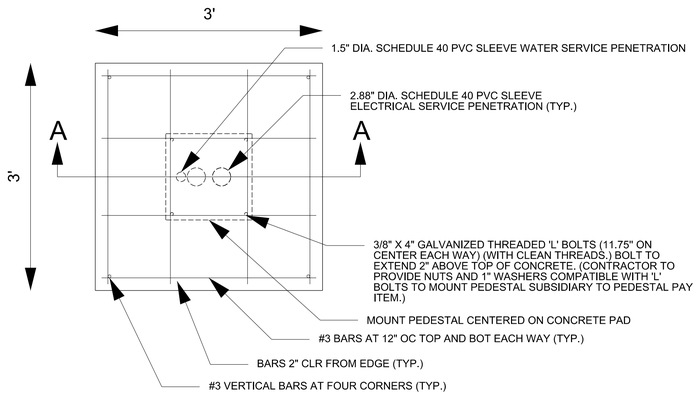


TYPICAL CONCRETE PEDESTAL MOUNTING PAD
FLUSH POUR WITH ADJACENT GRADE N.T.S.



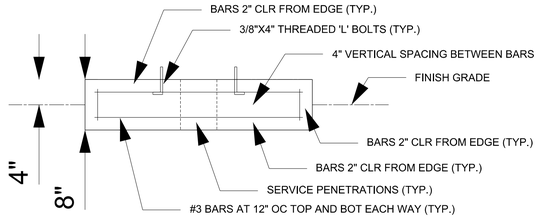
TYPICAL FLUSH POUR CONCRETE PEDESTAL MOUNTING PAD
SECTION A-A N.T.S.

NOTES:
1) CONCRETE SHALL BE 3000 PSI MIN. (5" THICKNESS)
2) REINFORCEMENT SHALL BE #3 REBAR.
3) 2" MINIMUM CONCRETE COVER OVER REINFORCING STEEL.
4) SEE EATON POWERHOUSE POWER PEDESTAL INSTALLATION INSTRUCTIONS FOR BASE SERVICE PENETRATION LOCATION, SIZE AND DETAIL.
5) SEE TYPICAL ISLAND UTILITY ASSIGNMENT DETAIL FOR PAD LOCATION WITHIN ISLAND.



TYPICAL RAISED CONCRETE PEDESTAL MOUNTING PAD
N.T.S.

NOTES:
1) CONCRETE SHALL BE 3000 PSI MIN. (8" THICKNESS)
2) CONCRETE PAD SHALL EXTEND 4" ABOVE ADJACENT FINISH GRADE.
3) REINFORCEMENT SHALL BE #3 REBAR.
4) VERTICAL SPACING OF REINFORCEMENT 4" ON CENTER.
5) 2" MINIMUM CONCRETE COVER OVER REINFORCING STEEL.
6) SEE EATON POWERHOUSE POWER PEDESTAL INSTALLATION INSTRUCTIONS FOR BASE SERVICE PENETRATION LOCATION, SIZE AND DETAIL.
7) SEE TYPICAL ISLAND UTILITY ASSIGNMENT DETAIL FOR PAD LOCATION WITHIN ISLAND.



TYPICAL RAISED CONCRETE PEDESTAL MOUNTING PAD
SECTION A-A N.T.S.

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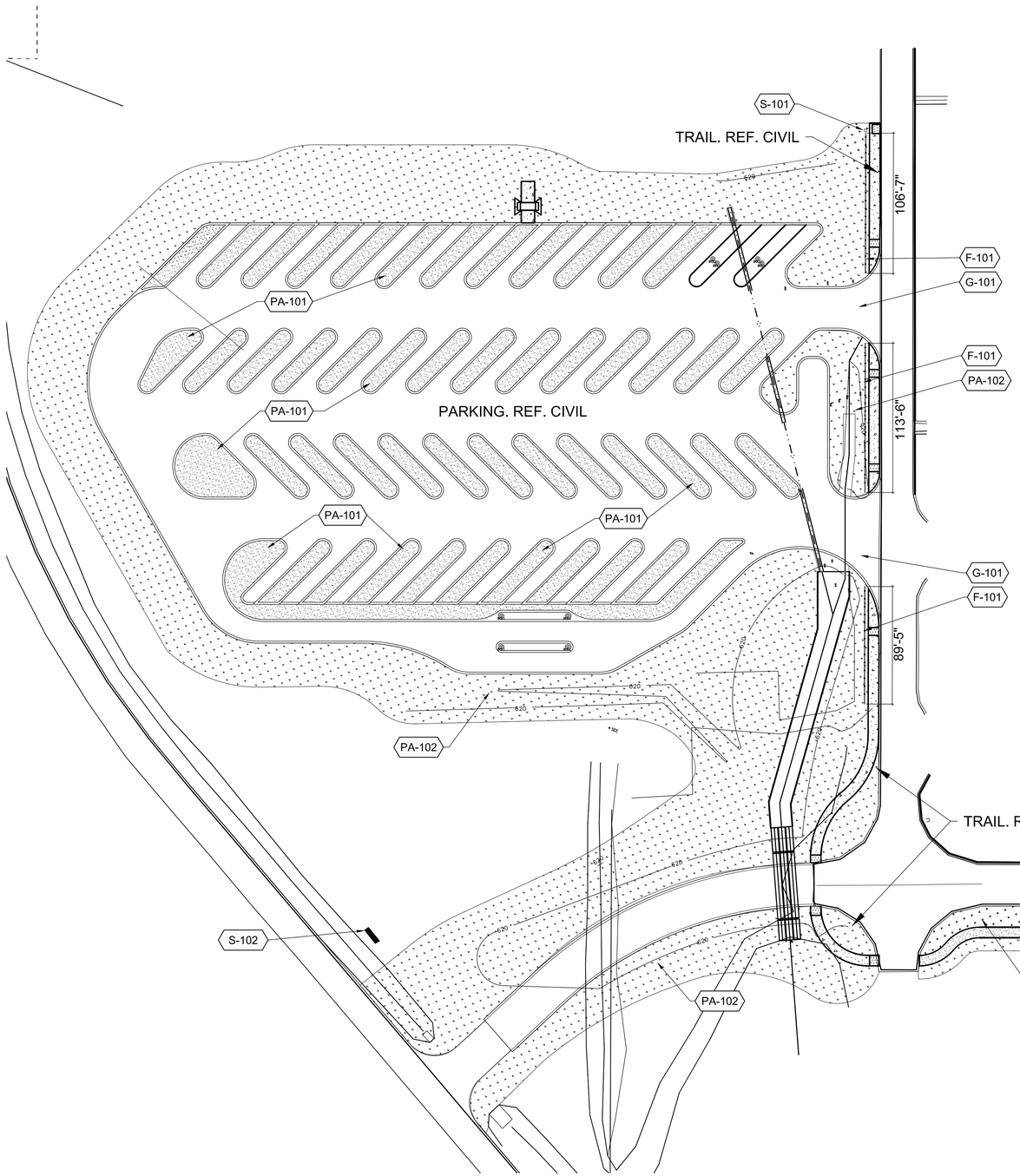
F-312 12.4.17
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CIVIL
DETAILS

C9.21



LEGEND

HYDROMULCH RE-VEGETATION AREA
Native Seeding for Erosion Control (refer spec. 02932-N)
15,700 sq. yds. (3.25 Acres)

DECOMPOSED GRANITE
4,846 sq. yds. (1.00 Acres)

REFERENCE_NOTES_SCHEDULE			
CODE	DESCRIPTION	QTY	DETAIL
F-101	PRIEFERT - 3 RAIL FENCE	260 LF	3/L-2.0
CODE	DESCRIPTION	QTY	DETAIL
G-101	CABLE GATE	2 EA.	
CODE	DESCRIPTION	QTY	DETAIL
PA-101	DECOMPOSED GRANITE FILL	4,846 sq. yd.	4/L-2.0
PA-102	HYDROMULCH - NATIVE SEED MIX	15,700 sq. yd.	
CODE	DESCRIPTION	QTY	DETAIL
S-101	PERMANENT TPWD GRANT SIGN	1	1/L-2.0
S-102	TEMPORARY ACKNOWLEDGMENT SIGN	1	2/L-3.0

LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL LANDSCAPE MATERIAL WITH RELATED IRRIGATION, SITE WORK, AND FINAL GRADING.
2. BY BIDDING, THE CONTRACTOR ACKNOWLEDGES THAT HE/SHE HAS SATISFIED HIMSELF/HERSELF AS TO THE NATURE AND LOCATION OF THE WORK AND TO THE QUALITY OF SURFACE AND SUBSURFACE MATERIALS OR OBSTACLES INSOFAR AS THE DATA IS REASONABLY ASCERTAINABLE FROM INSPECTION OF THE SITE. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF/HERSELF WITH THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM/HER FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY OR COST OF SUCCESSFULLY PERFORMING THE WORK AS DESCRIBED.
3. CONTRACTOR SHALL REVIEW RELATED CONSTRUCTION DRAWINGS FOR LIMITS OF CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR COORDINATING WITH OTHER SITE CONTRACTORS TO DETERMINE ACTUAL AREAS OF SEED REQUIRED, INCLUDING AREAS DISTURBED BY UTILITY EXTENSIONS.
4. HYDROMULCH WILL BE APPLIED TO ALL GROUND SURFACES NOT OTHERWISE PLANTED AS INDICATED ON THE LANDSCAPE PLAN BETWEEN LIMITS OF CONSTRUCTION AND PERIMETER CURB LINE. HYDROMULCH SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 95% COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 4 SQUARE FEET EXIST.
5. ALL OTHER AREAS DISTURBED BY EARTHWORK OPERATIONS, UTILITIES AND OTHER CONSTRUCTION ACTIVITIES NOT INDICATED ON THE LANDSCAPE PLAN SHALL BE REVEGETATED BY HYDROMULCH.
6. REGULAR MAINTENANCE IS REQUIRED OF ALL REVEG. AREAS TO MAINTAIN A VIGOROUS AND HEALTHY CONDITION, FREE FROM DISEASES, PEST WEEDS, LITTER AND CONSTRUCTION DEBRIS. THIS MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZATION, PRUNING, MOWING, EDGING, MULCHING OR OTHER NEEDED MAINTENANCE, IN ACCORDANCE WITH GENERALLY ACCEPTED HORTICULTURAL PRACTICES UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE PROJECT LANDSCAPE ARCHITECT/OWNER.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR- DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

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Revision No.	Date	Description

REGISTERED LANDSCAPE ARCHITECT
BRIAN R. BINKOWSKI
7895
STATE OF TEXAS

12.04.2017

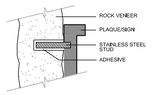
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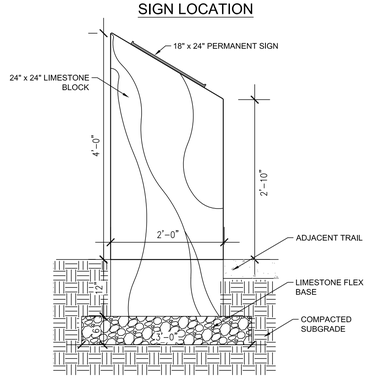
LANDSCAPE SITE PLAN

L1.0

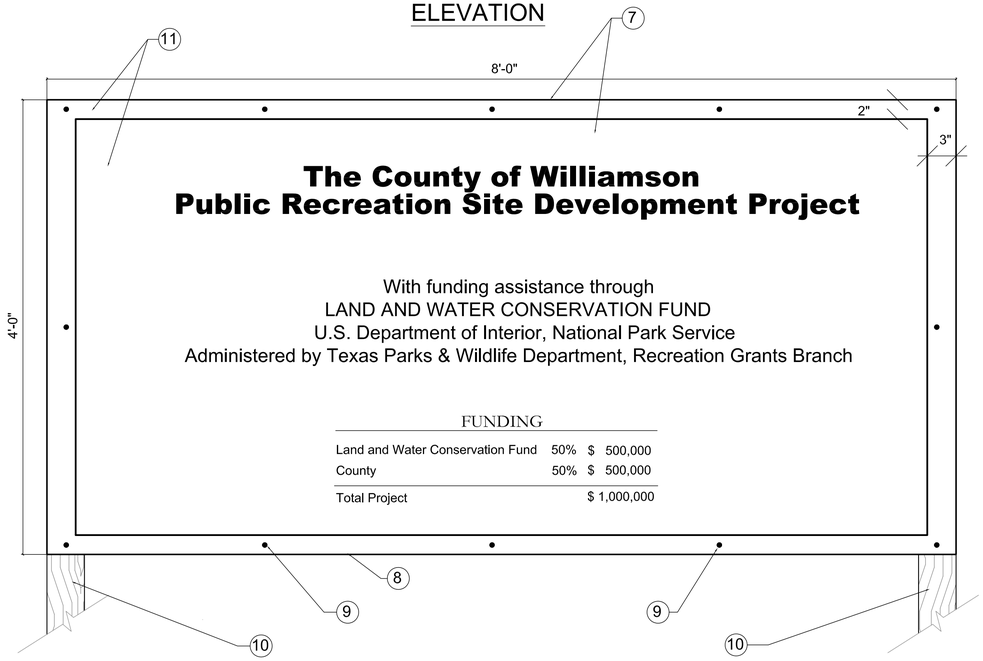
MOUNTING DETAIL



SIGN LOCATION



ELEVATION



The County of Williamson
Public Recreation Site Development Project

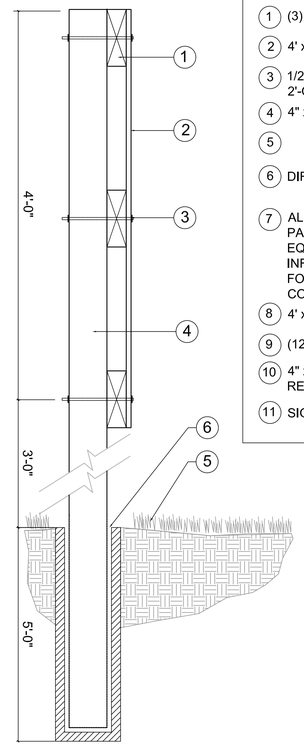
With funding assistance through
LAND AND WATER CONSERVATION FUND
U.S. Department of Interior, National Park Service
Administered by Texas Parks & Wildlife Department, Recreation Grants Branch

FUNDING

Land and Water Conservation Fund	50%	$ 500,000
County	50%	$ 500,000
Total Project		$ 1,000,000

NOTES: 1) CONTRACTOR SHALL COORDINATE SIGN GRAPHICS WITH PROJECT LANDSCAPE ARCHITECT/ OWNER PRIOR TO SIGN FABRICATION.

SECTION

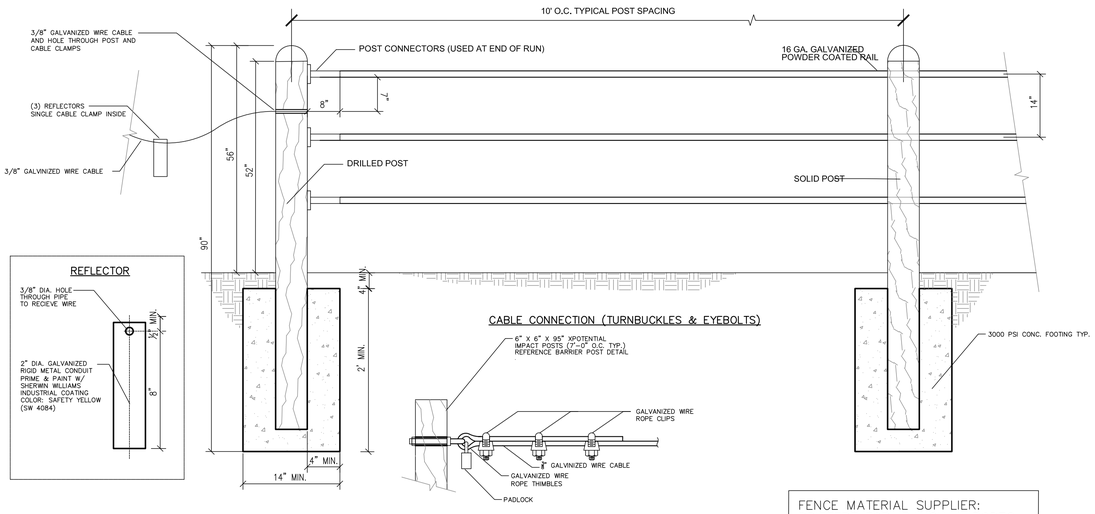


KEY

1. (3) 2" x 6" x 8' TREATED RAILS (TYP.)
2. 4' x 8' x 3/4" TREATED PLYWOOD SIGN
3. 1/2" GALV. CARRIAGE BOLTS (TYP.) AT 2'-0" O.C. MAX.
4. 4" x 4" x 10' TREATED OR CEDAR POST (TYP.)
5. NOT USED
6. DIRECT BURIAL INTO SUBGRADE. MIN. 5 FT.
7. ALL BORDERS, GRAPHICS AND TEXT WILL BE PAINTED BLACK OR BY APPROVED EQUIVALENT METHOD AS SHOWN. SIGN INFORMATION MUST BE CLEARLY LEGIBLE FOR THE DURATION OF PROJECT CONSTRUCTION.
8. 4' x 8' x 3/4" TREATED PLYWOOD
9. (12) 1/2" GALV. CARRIAGE BOLTS AT 2'-0" O.C. MAX.
10. 4" x 4" x 10' TREATED OR CEDAR POSTS, REF. SECTION FOR ANCHORING DETAIL.
11. SIGN BACKGROUND WILL BE PAINTED WHITE.

1 PERMANENT ACKNOWLEDGEMENT SIGN
N.T.S.

2 TEMPORARY ACKNOWLEDGEMENT SIGN - TPWD
N.T.S.

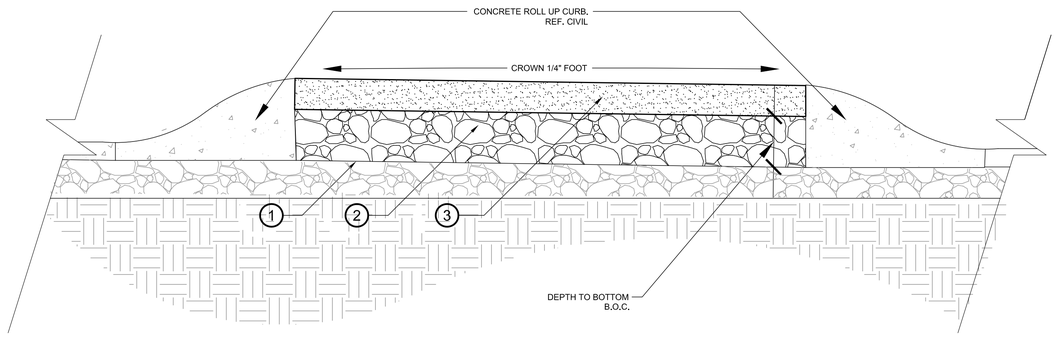


FENCE MATERIAL SUPPLIER:
PRIEFERT FOR, RANCH & RODEO
903-572-1741
HTTP: //WWW.PRIEFERTFENCE.COM/

3 PRIEFERT - 3 RAIL FENCE
N.T.S.

KEY:

1. COMPACTED SUBGRADE TO 95% MAX. DENSITY,
2. 5" THICK CRUSHED LIMESTONE BASE
3. 5" DECOMPOSED GRANITE, WET AND COMPACTED TO 3" DEPTH CROSS SLOPE @ 1/4" PER FOOT. MAX.



TYPICAL CROSS SECTION

4 DECOMPOSED GRANITE ISLAND
N.T.S.

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1895
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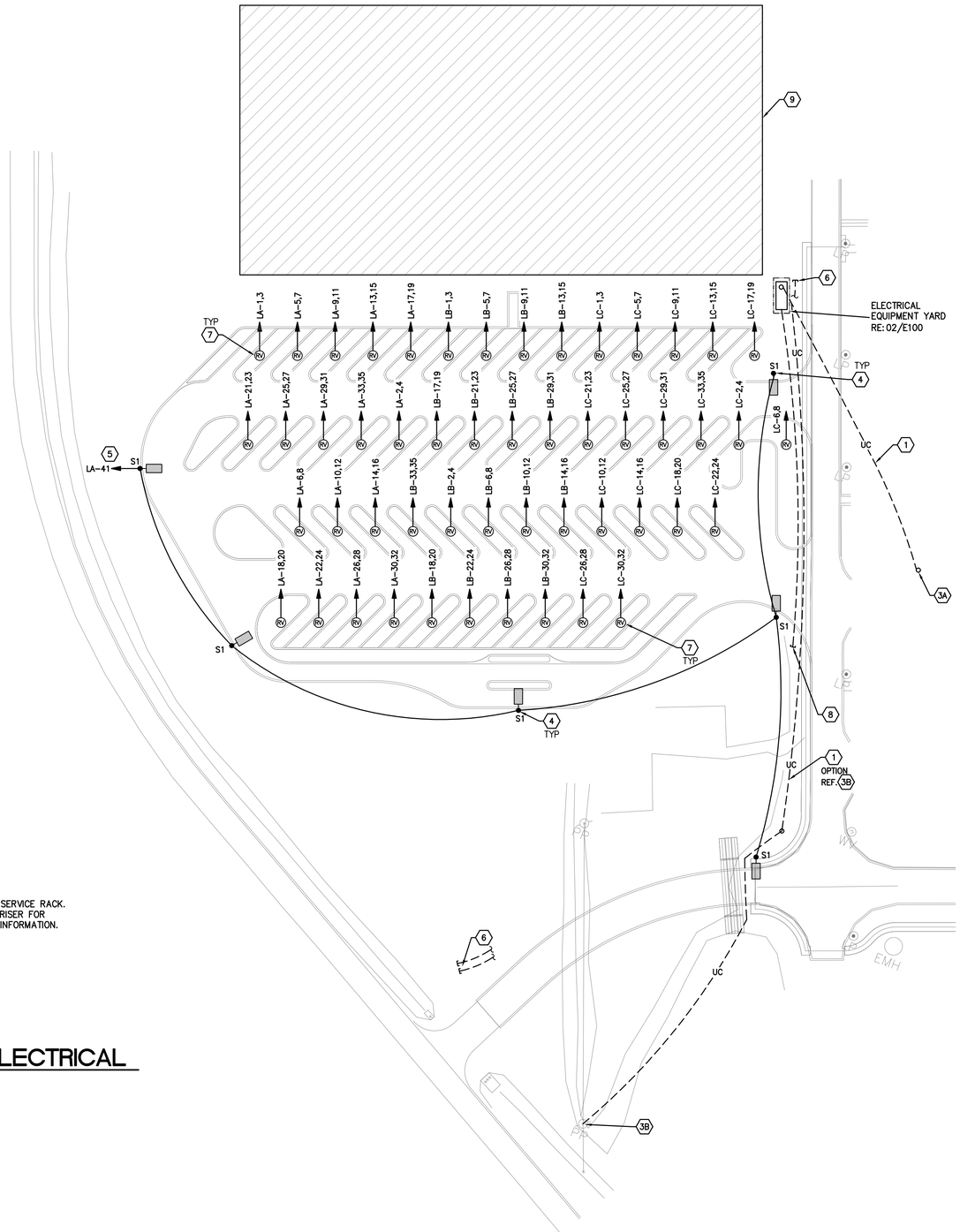
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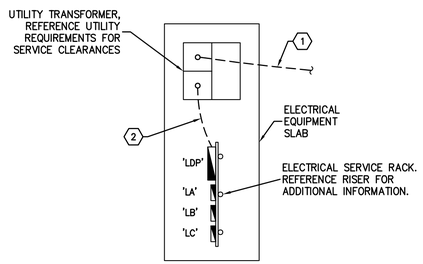
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LANDSCAPE DETAILS

L2.0





02 ENLARGED PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

01 SITE PLAN - ELECTRICAL

SCALE: 1" = 60'-0"

KEYED NOTES

THESE NOTES APPLY TO THIS SHEET ONLY

1. UNDERGROUND ELECTRIC CONDUIT, PULL BOXES, ETC. REFERENCE RISER DIAGRAM ON SHEET E102. ALL UTILITIES PER LATEST UTILITY COMPANY REQUIREMENTS.
2. UNDERGROUND ELECTRIC, SECONDARY. REFERENCE RISER DIAGRAM ON SHEET E102.
3A. APPROXIMATE LOCATION OF EXISTING PRIMARY PULLBOX. COORDINATE FINAL CONNECTION POINT AND REQUIREMENTS WITH UTILITY PROVIDER.
3B. PROVIDE ALTERNATE PRICE TO EXTEND TO THIS CONNECTION POINT. COORDINATE WITH ONCOR IF LOCATION '3A' ABOVE OR '3B' IS TO BE USED.
4. REFERENCE STRUCTURAL FOR STRUCTURAL LIGHT POLE BASE DETAIL. COORDINATE ALL FINAL POLE LOCATIONS AND CURB SETBACK DIMENSIONS WITH SITE CONTRACTOR, LANDSCAPE, AND CIVIL PLANS..
5. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR.
6. STUB 1" CONDUIT FOR FUTURE SITE SIGN POWER TO PANEL 'LA'. PROVIDE 1" CONDUIT BETWEEN SIGN LOCATION AND ELECTRICAL YARD AREA. COORDINATE LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO PERFORMING WORK. MARK STUB LOCATION ON AS-BUILTS.
7. RV PEDESTAL POWER, APPROXIMATE LOCATION. EATON POWERHOUSE #PSU42110000200X. PEDESTAL TO HAVE 1-50A/2P RECEPTACLE, 1-30A/1P RECEPTACLE, 2-20A/1P RECEPTACLES, AMBER LED LIGHT, WITH 2 WATER CONNECTIONS. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ACTUAL PEDESTAL SUPPLIED. COORDINATE LOCATIONS AND WATER CONNECTION WITH LANDSCAPE ARCHITECT AND CIVIL PLANS.
8. STUB 1-4"C TO AREA FOR FUTURE RESTROOM BUILDING. COORDIANTE LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO PERFORMING WORK. MARK STUB LOCATION ON AS-BUILTS.
9. FUTURE EXPANSION AREA. KEEP CONDUITS OUT OF THIS AREA.

SITE LIGHTING CIRCUITING IS DIAGRAMMATIC ONLY. DOES NOT INDICATE CONDUIT ROUTING. ELECTRICAL CONTRACTOR IS TO DETERMINE ALL FINAL CONDUIT ROUTING, COORDINATED WITH ALL SITE UTILITIES AND SITE CONDITIONS. REFERENCE CIVIL AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

DO NOT BEGIN SITE UTILITY WORK UNTIL DRAWINGS HAVE BEEN RECEIVED FROM UTILITY COMPANY.

NO CIVIL SITE PUMPS.

REFERENCE GENERAL NOTES ON SHEETS M501, P501 AND E501 FOR ADDITIONAL INFORMATION

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WILLIAMSON COUNTY 1848

Revision No.	Date	Description

STATE OF TEXAS
B.J. HENDRIX
94813
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PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY B.J. HENDRIX, P.E. NO. 94813 ON: 12/04/2017

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SITE PLAN - ELECTRICAL

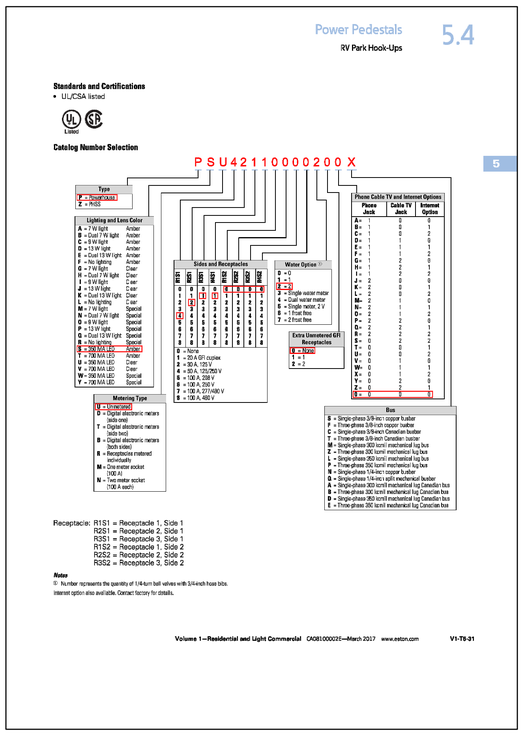
E100

BRANCH CIRCUIT WIRE AND CONDUIT SCHEDULE

NOTE:
A. PROVIDE INDIVIDUAL NEUTRALS FOR EACH CIRCUIT. NO SHARED NEUTRALS ALLOWED.

C – CONDUIT G – GROUND L – LINE OR PHASE N – NEUTRAL

MARK	WIRE AND CONDUIT	SYSTEM	MARK	WIRE AND CONDUIT	SYSTEM	MARK	WIRE AND CONDUIT	SYSTEM
(1)	2#12, 1/2"C.	LN	(31)	2#4, 1#8G., 1"C.	LLG	(61)	3#1/0, 1#6G., 2" C.	LLNG
(2)	2#12, 1#12G., 1/2" C.	LNG	(32)	3#4, 1" C.	LLL	(62)	3#1/0, 1#6G., 2" C.	LLLG
(3)	2#12, 1#12G., 1/2" C.	LLG	(33)	3#4, 1#8G., 1" C.	LLNG	(63)	4#1/0, 1#6G., 2" C.	LLLNG
(4)	3#12, 1/2" C.	LLL	(34)	3#4, 1#8G., 1" C.	LLLG	(64)	2#2/0, 1 1/2" C.	LN
(5)	3#12, 1#12G., 1/2" C.	LLNG	(35)	4#4, 1#8G., 1 1/4" C.	LLLNG	(65)	2#2/0, 1#4G., 1 1/2"C.	LNG
(6)	3#12, 1#12G., 1/2" C.	LLLG	(36)	2#3, 1" C.	LN	(66)	2#2/0, 1#4G., 1 1/2" C.	LLG
(7)	4#12, 1#12G., 1/2" C.	LLLNG	(37)	2#3, 1#8G., 1"C.	LNG	(67)	3#2/0, 1 1/2" C.	LLL
(8)	2#10, 1/2"C.	LN	(38)	2#3, 1#8G., 1" C.	LLG	(68)	3#2/0, 1#4G., 2" C.	LLNG
(9)	2#10, 1#10G., 1/2" C.	LNG	(39)	3#3, 1" C.	LLL	(69)	3#2/0, 1#4G., 2" C.	LLLG
(10)	2#10, 1#10G., 1/2" C.	LLG	(40)	3#3, 1#8G., 1 1/4" C.	LLNG	(70)	4#2/0, 1#4G., 2" C.	LLLNG
(11)	3#10, 1/2" C.	LLL	(41)	3#3, 1#8G., 1 1/4" C.	LLLG	(71)	2#3/0, 1 1/2" C.	LN
(12)	3#10, 1#10G., 1/2" C.	LLNG	(42)	4#3, 1#8G., 1 1/4" C.	LLLNG	(72)	2#3/0, 1#4G., 2" C.	LNG
(13)	3#10, 1#10G., 1/2" C.	LLLG	(43)	2#2, 1"C.	LN	(73)	2#3/0, 1#4G., 2" C.	LLG
(14)	4#10, 1#10G., 1/2" C.	LLLNG	(44)	2#2, 1#8G., 1" C.	LNG	(74)	3#3/0, 2" C.	LLL
(15)	2#8, 1/2" C.	LN	(45)	2#2, 1#8G., 1" C.	LLG	(75)	3#3/0, 1#4G., 2" C.	LLNG
(16)	2#8, 1#10G., 3/4" C.	LNG	(46)	3#2, 1 1/4" C.	LLL	(76)	3#3/0, 1#4G., 2" C.	LLLG
(17)	2#8, 1#10G., 3/4" C.	LLG	(47)	3#2, 1#8G., 1 1/4" C.	LLNG	(77)	4#3/0, 1#4G., 2 1/2" C.	LLLNG
(18)	3#8, 3/4" C.	LLL	(48)	3#2, 1#8G., 1 1/4" C.	LLLG	(78)	2#4/0, 2" C.	LN
(19)	3#8, 1#10G., 3/4" C.	LLNG	(49)	4#2, 1#8G., 1 1/4" C.	LLLNG	(79)	2#4/0, 1#4G., 2" C.	LNG
(20)	3#8, 1#10G., 3/4" C.	LLLG	(50)	2#1, 1 1/4" C.	LN	(80)	2#4/0, 1#4G., 2" C.	LLG
(21)	4#8, 1#10G., 1" C.	LLLNG	(51)	2#1, 1#6G., 1 1/4" C.	LNG	(81)	3#4/0, 2" C.	LLL
(22)	2#6, 3/4" C.	LN	(52)	2#1, 1#6G., 1 1/4" C.	LLG	(82)	3#4/0, 1#4G., 2 1/2" C.	LLNG
(23)	2#6, 1#10G., 3/4" C.	LNG	(53)	3#1, 1 1/2" C.	LLL	(83)	3#4/0, 1#4G., 2 1/2" C.	LLLG
(24)	2#6, 1#10G., 3/4" C.	LLG	(54)	3#1, 1#6G., 1 1/2" C.	LLNG	(84)	4#4/0, 1#4G., 2 1/2" C.	LLLNG
(25)	3#6, 3/4"C.	LLL	(55)	3#1, 1#6G., 1 1/2" C.	LLLG			
(26)	3#6, 1#10G., 3/4" C.	LLNG	(56)	4#1, 1#6G., 1 1/2" C.	LLLNG			
(27)	3#6, 1#10G., 3/4" C.	LLLG	(57)	2#1/0, 1 1/4" C.	LN			
(28)	4#6, 1#10G., 1" C.	LLLNG	(58)	2#1/0, 1#6G., 1 1/2" C.	LNG			
(29)	2#4, 3/4" C.	LN	(59)	2#1/0, 1#6G., 1 1/2"C.	LLG			
(30)	2#4, 1#8G., 1" C.	LNG	(60)	3#1/0, 1 1/2" C.	LLL			



Power Pedestals 5.4
RV Park Hook-Ups

Standards and Certifications
- UL/CSA listed

Listed

Catalog Number Selection

P S U 4 2 1 1 0 0 0 0 2 0 0 X

5

Type
P = Pedestal
Z = Pkg'd

Lighting and Lens Color
A = 7 W light Amber
B = Dual 7 W light Amber
C = 9 W light Amber
D = 13 W light Amber
F = Dual 13 W light Amber
G = 7 W light Clear
H = Dual 7 W light Clear
I = 9 W light Clear
J = 13 W light Clear
K = Dual 13 W light Clear
L = No lighting Clear
M = 7 W light Special
N = Dual 7 W light Special
O = 9 W light Special
P = 13 W light Special
Q = Dual 13 W light Special
R = No lighting Special
S = 20W MA LED Amber
T = 10W MA LED Amber
U = 20W MA LED Clear
V = 10W MA LED Clear
W = 20W MA LED Special
Y = 10W MA LED Special

Metering Type
U = Unmetered
D = Digital electronic meters (side one)
T = Digital electronic meters (side two)
B = Digital electronic meters (both sides)
R = Receptacles metered individually
M = One meter socket (100 A)
N = Two meter socket (100 A each)

Sides and Receptacles

RS1	RS2	RS3	RS1	RS2	RS3
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8

0 = None
1 = 20 A GFI duplex
2 = 30 A, 120 V
4 = 50 A, 125/250 V
5 = 100 A, 208 V
6 = 100 A, 240 V
7 = 100 A, 277/480 V
8 = 100 A, 480 V

Water Option ①
0 = 0
1 = 1
2 = 2
3 = Single water meter
4 = Dual water meter
5 = Single meter, 2 V
6 = 1 frost free
7 = 2 frost free

Extra Unmetered GFI Receptacles
0 = None
1 = 1
2 = 2

Phone Cable TV and Internet Options

	Phone Jack	Cable TV Jack	Internet Option
A =	0	0	1
B =	1	0	1
C =	1	0	2
D =	1	1	0
E =	1	1	1
F =	1	1	2
G =	1	2	0
H =	1	2	1
I =	1	2	2
J =	2	0	0
K =	2	0	1
L =	2	0	2
M =	2	1	0
N =	2	1	1
O =	2	1	2
P =	2	2	0
Q =	2	2	1
R =	2	2	2
S =	0	0	2
T =	0	0	1
U =	0	0	2
V =	0	1	0
W =	0	1	1
X =	0	1	2
Y =	0	2	0
Z =	0	2	1
0 =	0	2	2

Bus
B = Single-phase 3/8-inch copper busbar
F = Three-phase 3/8-inch copper busbar
C = Single-phase 3/8-inch Canadian busbar
T = Three-phase 3/8-inch Canadian busbar
M = Single-phase 303 kcmil mechanical lug bus
Z = Three-phase 30C kcmil mechanical lug bus
L = Single-phase 350 kcmil mechanical lug bus
P = Three-phase 35C kcmil mechanical lug bus
R = Single-phase 1/4-inch rigid mechanical busbar
G = Single-phase 1/4-inch rigid mechanical busbar
A = Single-phase 303 kcmil mechanical lug Canadian bus
S = Three-phase 30C kcmil mechanical lug Canadian bus
D = Single-phase 350 kcmil mechanical lug Canadian bus
E = Three-phase 35C kcmil mechanical lug Canadian bus

Receptacle: R1S1 = Receptacle 1, Side 1
R2S1 = Receptacle 2, Side 1
R3S1 = Receptacle 3, Side 1
R1S2 = Receptacle 1, Side 2
R2S2 = Receptacle 2, Side 2
R3S2 = Receptacle 3, Side 2

Notes
① Number represents the quantity of 1/4-turn ball valves with 3/4-inch hose bibs.
Internet option also available. Contact factory for details.

GENERAL NOTES

A. THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO BID TO FAMILIARIZE HIMSELF WITH ALL CONDITIONS AS THEY EXIST. SUBMISSION OF BID INDICATES THE CONTRACTOR'S UNDERSTANDING OF EXISTING CONDITIONS AND HIS WILLINGNESS TO WORK WITH THESE CONDITIONS. NO ADDITIONAL TIME OR MONEY WILL BE ALLOTTED DUE TO LACK OF COORDINATION WITH EXISTING CONDITIONS OR OTHER TRADES.

B. CONTRACTOR IS TO REVIEW AND COMPARE ALL DRAWINGS SO ALL WORK IN THEIR RESPECTIVE TRADE IS INCLUDED IN BID. EACH CONTRACTOR SHALL INCLUDE ALL MATERIALS AND INSTALLATION REQUIRED FOR HIS PARTICULAR TRADE AFTER COMPLETE REVIEW OF ALL CONTRACT DRAWINGS AND SPECIFICATIONS.

C. ALL WORK SHALL COMPLY WITH THE CURRENT APPLICABLE LOCAL, STATE AND FEDERAL CODES AND ORDINANCES. FOLLOW RECOMMENDED PRACTICES AS SET DOWN BY NFPA, BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, NATIONAL ELECTRICAL CODE, ADA AND OSHA, AS THEY APPLY TO THIS PROJECT, EXCEPT IN CASES WHERE LOCAL STATUTES GOVERN. THE CONTRACTOR SHALL VERIFY WITH AUTHORITY HAVING JURISDICTION THE LATEST ADOPTED LOCAL CODES, ORDINANCES AND AMENDMENTS THAT APPLY TO THIS PROJECT.

D. THE ELECTRICAL CONTRACTOR SHALL VERIFY SIZES OF BREAKERS, FUSES, WIRES, ETC., FOR ALL EQUIPMENT PROVIDED AND REPORT DISCREPANCIES TO THE ENGINEER/ARCHITECT PRIOR TO INSTALLATION OF CONDUIT. COORDINATE WITH MECHANICAL/ELECTRICAL COORDINATION SHEET PROVIDED BY MECHANICAL CONTRACTOR FOR ACTUAL EQUIPMENT BEING USED.

E. HOMERUNS SHALL BE COORDINATED WITH PANELBOARDS. ALL WIRING AND CONDUIT SHALL BE CONCEALED, EXCEPT IN ELECTRICAL ROOMS AND EXPOSED STRUCTURE AREAS.

F. ALL WIRING SHALL BE FREE OF SHORTS AND GROUNDS. NO WIRING SHALL BE LOADED BEYOND THE PERMITTED AMPACITIES ALLOWED BY N.E.C.

G. MINIMUM WIRE/CONDUIT SIZES, EXCEPT FOR CLASS 2 LOW VOLTAGE CIRCUITS, ARE #12 AWG COPPER IN 1/2" CONDUIT. WHERE THE DISTANCE BETWEEN THE SUPPLYING PANEL AND THE FIRST BRANCH CIRCUIT RECEPTACLE OR LIGHT FIXTURE IS MORE THAN 100 FEET, UP SIZE CONDUCTOR TO ALLOW FOR MAXIMUM OF 3% VOLTAGE DROP FOR ACTUAL ROUTING OF CONDUITS TO DEVICE.

H. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO MAKE A COMPLETE AND WORKABLE SYSTEM.

I. CONFIRM THE EXACT LOCATION AND MOUNTING HEIGHTS OF LIGHTING FIXTURES WITH ARCHITECT BEFORE ROUGH-IN. COORDINATE REQUIRED CLEARANCES ABOVE FIXTURES WITH OTHER TRADES.

J. PROVIDE A TYPED PANEL DIRECTORY FOR ALL PANELBOARDS INDICATING FINAL INSTALLED CONDITION. CIRCUIT LABELING SHALL AGREE WITH EQUIPMENT DESIGNATIONS AND OWNERS FINAL ROOM NUMBERS.

K. LABEL ALL RECEPTACLES AND LIGHT SWITCHES WITH CIRCUIT NUMBER USING AN ELECTRONIC LABELER (BLACK ON CLEAR).

L. THE CONTRACTOR IS TO LAY OUT SERVICE ENTRANCE AND ELECTRIC ROOMS TO SCALE WITH ACTUAL GEAR TO BE INSTALLED TO ENSURE PROPER FIT AND CLEARANCES BEFORE INSTALLATION. COORDINATE ALL SERVICE CLEARANCE REQUIREMENTS WITH LOCAL UTILITY COMPANY. PROVIDE A 1/4" SCALE (MINIMUM) SHOP DRAWING. NOTIFY ARCHITECT/ENGINEERS OF ANY DIMENSIONAL PROBLEMS.

M. COORDINATE AND WIRE ALL DOOR HOLD OPEN DEVICES, AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS. ROUTE 120 VOLT POWER FROM NEAREST AVAILABLE CIRCUIT AS REQUIRED. PROVIDE ALL WIRING NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.

N. CONDUITS ROUTED TO ROOF SHALL BE INSTALLED IN SAME ROOF JACK AS MECHANICAL ELEMENTS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ROOF JACK WHERE NO MECHANICAL ELEMENTS EXIST.

O. PROVIDE SLEEVES FOR SPECIAL SYSTEMS ABOVE EACH DOOR INTO A RATED EGRESS CORRIDOR, (1 - 2" AND 3 - 3/4"). FIRE SEAL ENDS AND UNUSED SLEEVES SHALL HAVE A SCREW CAP INSTALLED ON BOTH SIDES. USE THREADED CONDUIT.

GENERAL NOTES (CONT.)

P. ALL RECEPTACLES SERVING ELECTRIC WATER COOLERS SHALL BE LOCATED AT A HEIGHT SO AS NOT TO BE VISIBLE AFTER INSTALLATION OF EWC. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT BEING PROVIDED. PROTECT WITH GFCI BREAKER.

Q. ALL CONDUITS ROUTED BELOW FINISHED FLOOR SHALL BE RUN BELOW THE GRADE BEAMS. CONDUITS AND MULTIPLE CONDUITS SHALL NOT PENETRATE GRADE BEAMS UNLESS COORDINATED WITH STRUCTURAL ENGINEER. OBTAIN WRITTEN APPROVAL FROM STRUCTURAL ENGINEER PRIOR TO BEGINNING WORK.

R. ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL AND PERPENDICULAR TO STRUCTURE AND BUILDING LINES. COORDINATE FINAL CONDUIT ROUTING PATH WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.

S. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL 120 VOLT WIRING AND CONNECTIONS REQUIRED TO FIRE/SMOKE DAMPERS. COORDINATE EXACT LOCATIONS OF DAMPERS WITH MECHANICAL CONTRACTOR AND RELAY REQUIREMENTS WITH FIRE ALARM CONTRACTOR. CONNECT TO NEAREST AVAILABLE UNSWITCHED CIRCUIT UNLESS OTHERWISE INDICATED ON DRAWINGS.

T. ELECTRICAL CONTRACTOR SHALL CONNECT MOTORIZED BACK DRAFT DAMPERS FOR EXHAUST FANS FROM CIRCUIT FEEDING FAN. PROVIDE ALL MATERIAL AND LABOR TO MAKE CONNECTIONS.

U. ELECTRICAL CONTRACTOR SHALL WIRE ALL EXHAUST FANS TO BE CONTROLLED PER "EXHAUST FAN SCHEDULE" ON MECHANICAL SHEET. ELECTRICAL CONTRACTOR TO PROVIDE ALL RELAYS, CONTACTORS, SPRING WOUND TIMERS, ETC., AS REQUIRED PER SCHEDULE TO OPERATE AND CONTROL EXHAUST FAN. IF NO CONTROL IS SPECIFIED, EXHAUST FAN SHALL ENERGIZE WHEN LIGHTS IN ANY ROOM IT SERVES ARE POWERED ON. REFERENCE DETAIL ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION.

V. ELECTRICAL CONTRACTOR TO SEAL ALL PENETRATIONS OF ELECTRICAL WORK IN FIRE AND SMOKE RATED PARTITIONS, CEILINGS, ETC.

W. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECTING MEANS FOR ALL EQUIPMENT PER N.E.C. UNLESS OTHERWISE NOTED.

X. COORDINATE ALL DEVICES IN MILLWORK WITH ARCHITECTURAL MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.

Y. SENSOR OPERATED PLUMBING DEVICES: PLUMBING CONTRACTOR TO PROVIDE LOW VOLTAGE TRANSFORMERS FROM MANUFACTURER. ELECTRICAL CONTRACTOR IS TO PROVIDE ALL OTHER MATERIALS AND LABOR FOR COMPLETE INSTALLATION.

Z. SPRAY PAINT JUNCTION BOXES RED FOR FIRE ALARM SYSTEM. ALL OTHER SPECIAL SYSTEM JUNCTION BOXES TO BE PAINTED WHITE.

AA. DO NOT HANG ANY FIXTURES, EQUIPMENT OR CONDUIT FROM ROOF DECK.

BB. LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBERS.

CC. IDENTIFY RECEPTACLE CIRCUITS IN PANELBOARDS TO INDICATE FINAL ROOM NUMBERS. VERIFY FINAL ROOM NUMBERS PRIOR TO TYPING PANELBOARD SCHEDULES.

DD. MECHANICALLY FASTEN ALL LABELS TO EQUIPMENT.

EE. ELECTRICAL CONTRACTOR TO OBTAIN "MECH/ELEC COORDINATION SHEET" FILLED OUT FROM MECHANICAL CONTRACTOR. THIS SHEET IS TO BE INCLUDED WITH ELECTRICAL GEAR/PANELBOARD SUBMITTAL. SUBMITTAL WILL NOT BE CHECKED WITHOUT THIS FORM INCLUDED.

FF. ELECTRICAL CONTRACTOR IS TO PROVIDE ROUGH-IN FOR ALL MECHANICAL CONTROL DEVICES IN WALLS AND PENETRATIONS FOR CONTROL WIRES TO EXTERIOR UNITS. COORDINATE ALL LOCATIONS WITH MECHANICAL CONTRACTOR AND MECHANICAL SHEETS.

GG. DISCONNECTS MOUNTED ABOVE CEILING MUST BE MOUNTED TO BE READILY ACCESSIBLE NEAR UNIT. HANDLE TO BE NO MORE THAN 36" ABOVE CEILING GRID.

HH. ALL EXTERIOR DISCONNECTS ARE TO BE MOUNTED BELOW LINE OF SIGHT OF A SCREEN WALL OR IF SINGLE DISCONNECT, LEVEL WITH TOP OF CONDENSER. VERIFY LOCATION WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

ESC–2

DISTRIBUTION SYMBOL SCHEDULE

NOTES:
A. ALL SYMBOLS DO NOT NECESSARILY APPEAR ON THESE DRAWINGS.

SYMBOL	DESCRIPTION	REMARKS
	HOMERUN (REFER TO PANEL SCHEDULES FOR CONDUIT/WIRING)	
	CIRCUIT ROUTED THRU CONTACTOR OR RELAY	
— UE —	UNDERGROUND ELECTRIC	
— UT —	UNDERGROUND TELEPHONE	
— OE —	OVERHEAD ELECTRIC	
— OT —	OVERHEAD TELEPHONE	
	CIRCUIT INDICATORS (HOT, NEUTRAL, GROUND, SWITCHLEG)	
(P)	PHOTOCELL	
(J)	JUNCTION BOX	
	JUNCTION BOX, FLOOR MOUNTED FLUSH	
(J)	JUNCTION BOX, WALL MOUNTED – 3/4"C TO ABOVE CEILING	
S^M	MANUAL STARTER WITH THERMAL TRIP	
	DISCONNECT SWITCH, REFER TO DISCONNECT SCHEDULE	
	STARTER	
	COMBINATION STARTER/DISCONNECT SWITCH, REFER TO SCHEDULE	
	POWER AND/OR LIGHTING PANELBOARD, REFER TO PANELBOARD SCHEDULE	
	SWITCHBOARD, REFER TO SWITCHBOARD SCHEDULE	
	TRANSFORMER, REFER TO TRANSFORMER SCHEDULE	

SPECIAL SYSTEMS SCOPE

ACCESS CONTROL SYSTEM
1. NONE.

SECURITY SYSTEM
1. NONE.

TECHNOLOGY SYSTEM
1. NONE.

FIRE ALARM SYSTEM
1. NONE.

AUDIO-VIDEO SYSTEM
1. NONE.

ESC–15

ELECTRICAL ABBREVIATION SCHEDULE

A	AMPERES	MECH	MECHANICAL
A/C	AIR CONDITIONING	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
AHJ	AUTHORITY HAVING JURISDICTION	MISC	MISCELLANEOUS
AL	ALUMINUM	MLO	MAIN LUG ONLY
AUTO	AUTOMATIC	MSB	MAIN SWITCHBOARD
AUX	AUXILIARY	NEC	NATIONAL ELECTRICAL CODE
BFF	BELOW FINISHED FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BLDG	BUILDING	NF	NON-FUSED
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CKT	CIRCUIT	OC	ON CENTER(S)
COL	COLUMN	OE	OVERHEAD ELECTRIC
CONC	CONCRETE	OT	OVERHEAD TELEPHONE
CONST	CONSTRUCTION	PC	PLUMBING CONTRACTOR
CONTR	CONTRACTOR	PH	PHASE
CTV	CABLE TELEVISION	PNL	PANEL
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
EC	ELECTRICAL CONTRACTOR	RE:	REFERENCE/REFER TO
EF	EXHAUST FAN	RECPT	RECEPTACLE
DN	DOWN	RGS	RIGID GALV. STEEL CONDUIT
ELEC	ELECTRIC/ELECTRICAL	RM	ROOM
EMT	ELECTRICAL METALLIC TUBING	SCH	SCHEDULE
EQUIP	EQUIPMENT	SPEC	SPECIFICATIONS
EX	EXISTING	TEL	TELEPHONE
FA	FIRE ALARM	TTB	TELEPHONE TERMINAL BOARD
FF	FINISHED FLOOR	TYP	TYPICAL
FLR	FLOOR/FLOORING	UE	UNDERGROUND ELECTRIC
G	GROUND	UL	UNDERWRITER'S LABORATORIES
GC	GENERAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPT	UT	UNDERGROUND TELEPHONE
HD	HEAVY DUTY	V	VOLTS/VOLTAGE
HP	HORSEPOWER	VA	VOLT-AMPERES
IMC	INTERMEDIATE METAL CONDUIT	W	WATTS
KVA	KILOVOLT-AMPERES	W/	WITH
KW	KILOWATTS	W/O	WITHOUT
LGT	LIGHT/LIGHTING	WP	WEATHER PROOF
MAX	MAXIMUM	XFMR	TRANSFORMER
MC	MECHANICAL CONTRACTOR		
MCB	MAIN CIRCUIT BREAKER		
MDP	MAIN DISTRIBUTION PANEL		

REFERENCE GENERAL NOTES ON SHEETS M501, P501 AND E501 FOR ADDITIONAL INFORMATION

HENDRIX CONSULTING ENGINEERS

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HCE job no.: 17-046

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

Revision No.	Date	Description

STATE OF TEXAS
B.J. HENDRIX
94813
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY B.J. HENDRIX, P.E. NO: 94813 ON: 12/04/2017

Project No.: 32388
Issued:
Drawn By:
Checked By:

SCHEDULES, NOTES, AND LEGENDS - ELECTRICAL

E101

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ELECTRICAL LOAD ANALYSIS

WILCO EXPO RV PARK

NOTES:

		KVA
1.	LIGHTING LOAD:	
	A. LIGHTING LOAD 1.2 KVA X 1.25	= 1.5
2.	RECEPTACLE LOAD:	
	A. 0 KVA - 10 KVA = N/A KVA x 50% = N/A KVA + 10 KVA	= 0.0
3.	EQUIPMENT LOAD:	
	A. AC	= 0.0
	B. HEAT	= 0.0
	C. WATER HEATER(S)	= 0.0
	D. ELEVATOR(S)	= 0.0
	E. MISCELLANEOUS	= 0.5
	F. EXST. LOAD PER UTILITY CO. KW X .9 PF X 125%	= 0.0
	G.	=
	H.	=
4.	RECREATIONAL VEHICLE PEDESTAL LOAD (51 SITES):	
	A. 510 KVA x 50% DEMAND FACTOR (NEC 551.73)	= 255.0
5.	25% OF LARGEST MOTOR (HP) 0 KVA	= 0.0
6.	TOTAL CONNECTED LOAD (KVA)	= 257.0
7.	FUTURE RESTROOM LOAD	= 357.0
	100 KVA + TOTAL CONNECTED LOAD 257 KVA	
8	TOTAL AMP LOAD OF:	
	1488 AMPS AT 240 VOLT, PHASE, WIRE	

REMARKS: 1600A SERVICE - 120/240V - 1 PHASE

ESC-68-240V

PANELBOARD CONNECTION SCHEDULE (1 PH)

A. USE TABLE FOR WIRE AND CONDUIT SIZES FOR ALL PANELBOARDS UNLESS NOTED OTHERWISE.
B. WIRE SIZES BASED ON 86° AMBIENT, 75° COLUMN OF CHART. NEC 310.15(B)(16)
C. TABLE FOR 120/240/1PH/3W PANELBOARDS.
D. PROVIDE 200% NEUTRAL BUS BAR AND 200% NEUTRAL WIRE WHEN SPECIFIED.

PANEL SIZE OR MCB SIZE	WIRE SIZE	GROUND	CONDUIT
60	3 #6	#10	1"
100	3 #3	#8	1 1/4"
125	3 #1	#6	1 1/2"
150	3 #1/0	#6	2"
200	3 #3/0	#6	2"
225	3 #4/0	#4	2 1/2"
300	3 #350	#4	3"
400	2 SETS 3 #3/0 OR	#3	2" PER SET
	1 SET 3 #600	#3	4"
600	2 SETS 3 #350	#1	3" PER SET
800	2 SETS 3 #600	#1/0	4" PER SET

GEAR MANUFACTURER TO PROVIDE COORDINATION STUDY, FAULT CURRENT ANALYSIS AND DETERMINE FINAL KAIC RATINGS FOR ALL GEAR.

ELECTRICAL CONTRACTOR TO COORDINATE METER AND SERVICE LOCATION WITH DOOR LOCATION. CLEARANCES TO MEET N.E.C.

ELECTRICAL CONTRACTOR FILL OUT UTILITY COMPANY LOAD FORMS BASED ON LOAD ANALYSIS PROVIDED ON THE PLANS.

RISER KEYED NOTES

1. TWO (2) - 4" PRIMARY CONDUITS PER UTILITY COMPANY REQUIREMENTS.
2. NEW UTILITY TRANSFORMER PROVIDED AND INSTALLED BY UTILITY COMPANY. TRANSFORMER PAD BY ELECTRICAL CONTRACTOR PER UTILITY COMPANY REQUIREMENTS.
3. METER AT TRANSFORMER PROVIDED BY UTILITY COMPANY AND INSTALLED BY ELECTRICAL CONTRACTOR PER UTILITY COMPANY REQUIREMENTS.
4. STUB THE MAXIMUM NUMBER OF SPARE SECONDARY CONDUITS ALLOWED BY UTILITY COMPANY TO A POINT 5' OUTSIDE TRANSFORMER PAD. INDICATE EXACT LOCATION OF CONDUITS ON RECORD DRAWINGS.
5. THREE (3) SETS OF 3 #600 KCM. EACH SET IN A 4" CONDUIT.
6. REFERENCE PANELBOARD CONNECTION SCHEDULE FOR CONDUIT/WIRING SIZES AND QUANTITIES.
7. REFERENCE SERVICE GROUNDING DETAIL ON DETAIL SHEET(S) FOR GROUNDING REQUIREMENTS.
8. STUB 1-4"C FOR FUTURE RESTROOM BUILDING. REFERENCE SITE PLAN FOR ADDITIONAL INFORMATION. COORDINATE STUB LOCATION WITH OWNER AND CIVIL.
9. SERVICE RACK SHALL HAVE 2 1/2" RIGID PIPE VERTICALS BURIED A MINIMUM OF 3' IN THE GROUND AND ENCASED IN CONCRETE. PROVIDE SCREW CAPS AT TOP OF POLE TO PREVENT THE ENTRY OF WATER. HORIZONTALS MAY BE UNISTRUT INSTALLED AS NEEDED FOR SUPPORT OF PANEL. PROVIDE A COLD GALV PAINT ON ALL UNISTRUT CUTS TO PREVENT RUSTING.
10. REFERENCE PANELBOARD SCHEDULE.
11. TIMECLOCK/LIGHTING CONTACTOR. REFERENCE DETAIL. PROVIDE NEMA 3R LOCKABLE ENCLOSURE TO HOUSE COMPONENTS, MOUNT ON SERVICE RACK.

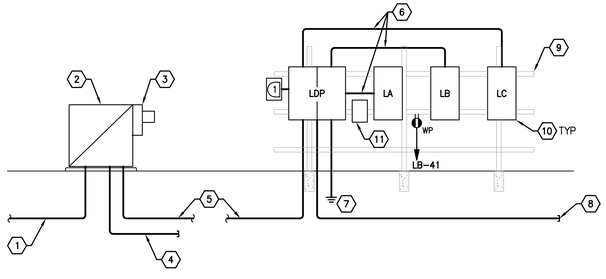
ESC-71

SURGE PROTECTION DEVICE SCHEDULE

STANDARDS:

A. PROVIDE TVSS SURGE SUPPRESSION PER LATEST UL. BASIS OF DESIGN, CURRENT TECHNOLOGY. TVSS MUST BE ABLE TO BE SERVICEABLE WITHOUT SHUTTING PANEL OFF.
B. 3RD PARTY SINGLE IMPULSE SURGE CURRENT TEST MUST BE PROVIDED WITH SUBMITTAL VERIFYING PERFORMANCE MEETS SPECIFICATIONS.
C. WHERE FLUSH MOUNT PANELS ARE SPECIFIED, COORDINATE 'PX3' PANEL MANUFACTURER OPTION WITH ELECTRICAL CONTRACTOR.
D. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
E. VOLTAGE AND CONFIGURATION TO MATCH PANEL BEING SERVICED. REFERENCE RISER DIAGRAM AND PANEL SCHEDULES.
E. PROVIDE FILTER OPTION.
F. 15 YEAR WARRANTY STANDARD.
G. CABLE ENTRY TO BE COORDINATED WITH ELECTRICAL CONTRACTOR.
H. QUANTITIES PER RISER DIAGRAM.
I. PROVIDE NEMA 3R WHEN ROOF MOUNTED. REFERENCE PLANS AND RISER DIAGRAM.

MARK	TYPE: SL3	TG3	PX3	CGP	SURGE CURRENT RATING (KA PER MODE/KA PER PHASE): 50/100	80/160	100/200	125/250	150/300	200/400	250/500	300/600	ENCLOSURE: M0	PH	MF	MONITORING: M1	M2	M3	MOUNT: SURFACE	FLUSH (C)	HPI CABLE	APPLICATION (WHERE SPECIFIED ON RISER)
1		◯					◯						◯					◯	◯		◯	SERVICE ENTRANCE



01 ELECTRICAL RISER DIAGRAM

SCALE: NONE

LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. CONFIRM CEILING TYPE AND CONSTRUCTION PRIOR TO ORDERING LIGHT FIXTURE. PROVIDE FLANGE KIT FOR PROPER INSTALLATION OF LAY-IN FIXTURE IN GYPSUM CEILING. PROVIDE FIXTURE TYPE 'H2' IN LIEU OF FIXTURE TYP 'A2' IN ROOMS WITH NO CEILING. CHAIN HANG AT 10' A.F.F.

B. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF WALL MOUNTED LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

C. CONFIRM FINISH WITH OWNER PRIOR TO ORDERING LIGHT FIXTURES.

(*) PROVIDE UNIT PRICE FOR THIS FIXTURE. INCLUDE MATERIAL AND LABOR TO BE ADDED AT ANY TIME DURING THE PROJECT.

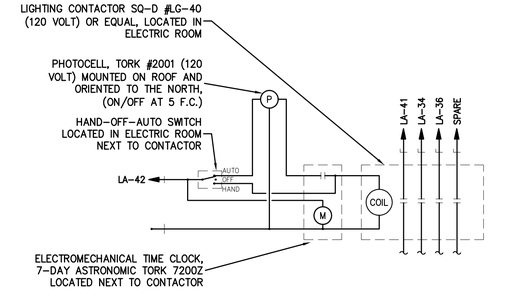
MARK	MANUFACTURERS CATALOG NUMBER	LAMPS NO. / TYPE / WATTS	FIXTURE VOLTS / WATTS	DESCRIPTION AND COMMENTS
S1	AMERICAN ELECTRIC LIGHTING ATBM-H-MVOLT-R4-PN2BTDD4 (pole) HOLOPHANE AORTS3080B-P5-ND-HG	1/17439 LUMENS/164	MVOLT/164	POLE MOUNTED LED FIXTURE WITH DIE CAST ALUMINUM HOUSING, PHOTOCELL ON/OFF CONTROL WITH AUTO DIM TO 50% AFTER 10PM. GRAY FINISH. POLE IS ROUND TAPERED STEEL, TENON FOR FIXTURE MOUNTING AND BASE COVER. HOT DIP GALVANIZED FINISH.

UTILITY COMPANY CONTACT:
ONCOR

ED FLOWERS 512-639-5220
edward.flowers@oncor.com

UTILITY COMPANY TO DETERMINE SERVICE TRANSFORMER SIZES. DO NOT BEGIN ANY UTILITY WORK UNTIL UTILITY DRAWINGS HAVE BEEN ISSUED BY UTILITY COMPANY. UTILITY COMPANY TO PROVIDE AVAILABLE FAULT CURRENT WHEN AVAILABLE.

THE ELECTRICAL RISER DIAGRAM IS SHOWN SCHEMATICALLY IN NATURE TO INDICATE THE RELATIONSHIP OF THE ELECTRICAL SYSTEM COMPONENTS. IT DOES NOT REFLECT THE ACTUAL ROUTING OF CONDUITS. CONTRACTOR SHALL DETERMINE OVERHEAD OR UNDERGROUND CONDUIT ROUTING. CONDUIT SHALL NOT BE ROUTED EXPOSED ON EXTERIOR WALLS EXCEPT OUT OF THE BOTTOM OF THE PANEL TO RUN UNDER SLAB OR TO AN ADJACENT PANEL WITHIN 24". EXTERIOR EXPOSED CONDUIT SHALL BE MINIMIZED.



LIGHTING CONTACTOR DETAIL

SCALE: NONE

EDE-11

REFERENCE GENERAL NOTES ON SHEETS M501, P501 AND E501 FOR ADDITIONAL INFORMATION

HENDRIX CONSULTING ENGINEERS

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HCE job no.: 17-046

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

Revision No.	Date	Description

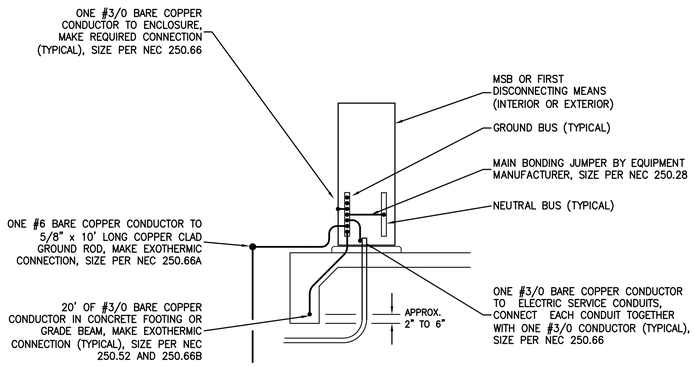
STATE OF TEXAS
B.J. HENDRIX
94813
LICENSED
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY B.J. HENDRIX, P.E. NO: 94813 ON: 12/04/2017

Project No.:	32388
Issued:	
Drawn By:	
Checked By:	

RISER & SCHEDULES - ELECTRICAL

E102



TYPICAL ELECTRIC SERVICE GROUNDING DETAIL

NO SCALE (CONDUCTOR SIZES SHOWN MAY BE ADJUSTED PER NEC FOR THE ACTUAL AMPACITY OF SERVICE) EDE-53

CIRCUIT BREAKER PANELBOARD ' LB '
WILCO EXPO RV PARK

STANDARD NOTES:
1. PROVIDE BALANCED LOAD ON EACH PHASE. CIRCUIT NUMBERS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY.
2. REFERENCE BRANCH CIRCUIT WIRE AND CONDUIT SCHEDULE.

NOTES: (THESE ITEMS APPLY ONLY WHERE SPECIFIED BELOW)
(a) REFERENCE SPLIT SYSTEM/ ROOFTOP ELECTRICAL CONNECTION SCHEDULE.
(b) REFERENCE TRANSFORMER SCHEDULE.
(c) REFERENCE FAN POWERED BOX / VAV CONNECTION SCHEDULE.
(d) PROVIDE WITH SHUNT TRIP BREAKER.
(e) PROVIDE WITH 200% NEUTRAL BUS AND WIRE.
(f) PROVIDE PANEL EXTENSION WITH PHASE MONITORING PROTECTION.
(g) REFERENCE ASSOCIATED PANEL SCHEDULE.

120/240 VOLT, 1 PHASE, 3 WIRE, 600 A. MCB, KA. RMS SYM.
SURFACE MOUNTED, NEMA 3R ENCLOSURE, S/N
FEEDER: REFERENCE PANELBOARD CONNECTION SCHEDULE

CKT		LOAD DESCRIPTION	WIRE/CONDUIT	KVA	C/B	C/B	KVA	WIRE/CONDUIT	LOAD DESCRIPTION		CKT
1	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	2
3		" "	--	--	--	--	--	--	" "		4
5	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	6
7		" "	--	--	--	--	--	--	" "		8
9	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	10
11		" "	--	--	--	--	--	--	" "		12
13	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	14
15		" "	--	--	--	--	--	--	" "		16
17	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	18
19		" "	--	--	--	--	--	--	" "		20
21	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	22
23		" "	--	--	--	--	--	--	" "		24
25	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	26
27		" "	--	--	--	--	--	--	" "		28
29	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	30
31		" "	--	--	--	--	--	--	" "		32
33	E	RV SITE	40	10.0	100/2	100/2	--	--	SPARE	S	34
35		" "	--	--	--	--	--	--	" "		36
37	S	SPARE	--	--	100/2	100/2	--	--	SPARE	S	38
39		" "	--	--	--	--	--	--	" "		40
41	R	EXTERIOR RECEPTACLE	2	1.0	20/1	20/1	--	--	SPARE	S	42

ELECTRICAL LOAD CALCULATIONS:

CONNECTED LOAD			DEMAND FACTOR	DEMAND LOAD			REMARKS:
LIGHTING	=	0.0 KVA	X 1.25	LIGHTING	=	0.0 KVA	
RECEPTACLE	=	1.0 KVA	NEC 220 - 14	RECEPTACLE	=	1.0 KVA	
EQUIPMENT	=	170.0 KVA	X 0.5 (NEC 551.73	EQUIPMENT	=	85.0 KVA	
KITCHEN	=	0.0 KVA	NEC 220 - 56	KITCHEN	=	0.0 KVA	
SPARES	=	0.0 KVA	X 0.5	SPARES	=	0.0 KVA	
TOTAL	=	171.0 KVA		TOTAL	=	86.0 KVA	358 AMPS

CIRCUIT BREAKER PANELBOARD ' LC '
WILCO EXPO RV PARK

STANDARD NOTES:
1. PROVIDE BALANCED LOAD ON EACH PHASE. CIRCUIT NUMBERS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY.
2. REFERENCE BRANCH CIRCUIT WIRE AND CONDUIT SCHEDULE.

NOTES: (THESE ITEMS APPLY ONLY WHERE SPECIFIED BELOW)
(a) REFERENCE SPLIT SYSTEM/ ROOFTOP ELECTRICAL CONNECTION SCHEDULE.
(b) REFERENCE TRANSFORMER SCHEDULE.
(c) REFERENCE FAN POWERED BOX / VAV CONNECTION SCHEDULE.
(d) PROVIDE WITH SHUNT TRIP BREAKER.
(e) PROVIDE WITH 200% NEUTRAL BUS AND WIRE.
(f) PROVIDE PANEL EXTENSION WITH PHASE MONITORING PROTECTION.
(g) REFERENCE ASSOCIATED PANEL SCHEDULE.

120/240 VOLT, 1 PHASE, 3 WIRE, 600 A. MCB, KA. RMS SYM.
SURFACE MOUNTED, NEMA 3R ENCLOSURE, S/N
FEEDER: REFERENCE PANELBOARD CONNECTION SCHEDULE

CKT		LOAD DESCRIPTION	WIRE/CONDUIT	KVA	C/B	C/B	KVA	WIRE/CONDUIT	LOAD DESCRIPTION		CKT
1	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	2
3		" "	--	--	--	--	--	--	" "		4
5	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	6
7		" "	--	--	--	--	--	--	" "		8
9	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	10
11		" "	--	--	--	--	--	--	" "		12
13	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	14
15		" "	--	--	--	--	--	--	" "		16
17	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	18
19		" "	--	--	--	--	--	--	" "		20
21	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	22
23		" "	--	--	--	--	--	--	" "		24
25	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	26
27		" "	--	--	--	--	--	--	" "		28
29	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	30
31		" "	--	--	--	--	--	--	" "		32
33	E	RV SITE	40	10.0	100/2	100/2	--	--	SPARE	S	34
35		" "	--	--	--	--	--	--	" "		36
37	S	SPARE	--	--	100/2	100/2	--	--	SPARE	S	38
39		" "	--	--	--	--	--	--	" "		40
41	S	SPARE	--	--	20/1	20/1	--	--	SPARE	S	42

ELECTRICAL LOAD CALCULATIONS:

CONNECTED LOAD			DEMAND FACTOR	DEMAND LOAD			REMARKS:
LIGHTING	=	0.0 KVA	X 1.25	LIGHTING	=	0.0 KVA	
RECEPTACLE	=	0.0 KVA	NEC 220 - 14	RECEPTACLE	=	0.0 KVA	
EQUIPMENT	=	170.0 KVA	X 0.5 (NEC 551.73	EQUIPMENT	=	85.0 KVA	
KITCHEN	=	0.0 KVA	NEC 220 - 56	KITCHEN	=	0.0 KVA	
SPARES	=	0.0 KVA	X 0.5	SPARES	=	0.0 KVA	
TOTAL	=	170.0 KVA		TOTAL	=	85.0 KVA	354 AMPS

CIRCUIT BREAKER PANELBOARD ' LDP '
WILCO EXPO RV PARK

STANDARD NOTES:
1. PROVIDE BALANCED LOAD ON EACH PHASE. CIRCUIT NUMBERS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY.
2. REFERENCE BRANCH CIRCUIT WIRE AND CONDUIT SCHEDULE.

NOTES: (THESE ITEMS APPLY ONLY WHERE SPECIFIED BELOW)
(a) REFERENCE SPLIT SYSTEM / ROOFTOP ELECTRICAL CONNECTION SCHEDULE.
(b) REFERENCE TRANSFORMER SCHEDULE.
(c) REFERENCE FAN POWERED BOX / VAV CONNECTION SCHEDULE.
(d) PROVIDE WITH SHUNT TRIP BREAKER.
(e) PROVIDE WITH 200% NEUTRAL BUS AND WIRE.
(f) PROVIDE PANEL EXTENSION WITH PHASE MONITORING PROTECTION.
(g) REFERENCE ASSOCIATED PANEL SCHEDULE.

120/240 VOLT, 1 PHASE, 3 WIRE, 1600 A. MCB, KA. RMS SYM.
SURFACE MOUNTED, NEMA 3R ENCLOSURE, S/N
FEEDER: REFERENCE PANELBOARD CONNECTION SCHEDULE

CKT		LOAD DESCRIPTION	WIRE/CONDUIT	KVA	C/B	C/B	KVA	WIRE/CONDUIT	LOAD DESCRIPTION		CKT
1	E	PANEL 'LA'	(g)	90.0	600/2	600/2	90.0	(g)	PANEL 'LB'	E	2
3		" "	--	--	--	--	--	--	" "		4
5	E	PANEL 'LC'	(g)	90.0	600/2	225/2	--	--	SPARE	S	6
7		" "	--	--	--	--	--	--	" "		8
9	S	SPARE	--	--	100/2	100/2	--	--	SPARE	S	10
11		" "	--	--	--	--	--	--	" "		12

ELECTRICAL LOAD CALCULATIONS:

CONNECTED LOAD			DEMAND FACTOR	DEMAND LOAD			REMARKS:
LIGHTING	=	0.0 KVA	X 1.25	LIGHTING	=	0.0 KVA	
RECEPTACLE	=	0.0 KVA	NEC 220 - 14	RECEPTACLE	=	0.0 KVA	
EQUIPMENT	=	270.0 KVA	X 1.0	EQUIPMENT	=	270.0 KVA	
KITCHEN	=	0.0 KVA	NEC 220 - 56	KITCHEN	=	0.0 KVA	
SPARES	=	0.0 KVA	X 0.5	SPARES	=	0.0 KVA	
TOTAL	=	270.0 KVA		TOTAL	=	270.0 KVA	1125 AMPS

CIRCUIT BREAKER PANELBOARD ' LA '
WILCO EXPO RV PARK

STANDARD NOTES:
1. PROVIDE BALANCED LOAD ON EACH PHASE. CIRCUIT NUMBERS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY.
2. REFERENCE BRANCH CIRCUIT WIRE AND CONDUIT SCHEDULE.

NOTES: (THESE ITEMS APPLY ONLY WHERE SPECIFIED BELOW)
(a) REFERENCE SPLIT SYSTEM / ROOFTOP ELECTRICAL CONNECTION SCHEDULE.
(b) REFERENCE TRANSFORMER SCHEDULE.
(c) REFERENCE FAN POWERED BOX / VAV CONNECTION SCHEDULE.
(d) PROVIDE WITH SHUNT TRIP BREAKER.
(e) PROVIDE WITH 200% NEUTRAL BUS AND WIRE.
(f) PROVIDE PANEL EXTENSION WITH PHASE MONITORING PROTECTION.
(g) REFERENCE ASSOCIATED PANEL SCHEDULE.

120/240 VOLT, 1 PHASE, 3 WIRE, 600 A. MCB, KA. RMS SYM.
SURFACE MOUNTED, NEMA 3R ENCLOSURE, S/N
FEEDER: REFERENCE PANELBOARD CONNECTION SCHEDULE

CKT		LOAD DESCRIPTION	WIRE/CONDUIT	KVA	C/B	C/B	KVA	WIRE/CONDUIT	LOAD DESCRIPTION		CKT
1	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	2
3		" "	--	--	--	--	--	--	" "		4
5	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	6
7		" "	--	--	--	--	--	--	" "		8
9	E	RV SITE	40	10.0	100/2	100/2	10	40	RV SITE	E	10
11		" "	--	--	--	--	--	--	" "		12
13	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	14
15		" "	--	--	--	--	--	--	" "		16
17	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	18
19		" "	--	--	--	--	--	--	" "		20
21	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	22
23		" "	--	--	--	--	--	--	" "		24
25	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	26
27		" "	--	--	--	--	--	--	" "		28
29	E	RV SITE	40	10.0	100/2	100/2	10.0	40	RV SITE	E	30
31		" "	--	--	--	--	--	--	" "		32
33	E	RV SITE	40	10.0	100/2	20/2	--	--	FUTURE SITE SIGN	S	34
35		" "	--	--	--	--	--	--	" "		36
37	S	SPARE	--	--	100/2	100/2	--	--	SPARE	S	38
39		" "	--	--	--	--	--	--	" "		40
41	L	SITE LIGHTING	9	1.2	20/1	20/1	0.5	2	LIGHTING TIMECLOCK	E	42

ELECTRICAL LOAD CALCULATIONS:

CONNECTED LOAD			DEMAND FACTOR	DEMAND LOAD			REMARKS:
LIGHTING	=	1.2 KVA	X 1.25	LIGHTING	=	1.5 KVA	
RECEPTACLE	=	0.0 KVA	NEC 220 - 14	RECEPTACLE	=	0.0 KVA	
EQUIPMENT	=	170.5 KVA	X 0.5 (NEC 551.73	EQUIPMENT	=	85.3 KVA	
KITCHEN	=	0.0 KVA	NEC 220 - 56	KITCHEN	=	0.0 KVA	
SPARES	=	0.0 KVA	X 0.5	SPARES	=	0.0 KVA	
TOTAL	=	171.7 KVA		TOTAL	=	86.8 KVA	361 AMPS

Expo Center RV Park
210 Carlos Parker Blvd.
Taylor, Texas 76574

WILLIAMSON COUNTY 1848

Revision No.	Date	Description

STATE OF TEXAS
B.J. HENDRIX
94813
LICENSED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY B.J. HENDRIX, P.E. NO: 94813 ON: 12/04/2017

REFERENCE GENERAL NOTES ON SHEETS M501, P501 AND E501 FOR ADDITIONAL INFORMATION

HENDRIX CONSULTING ENGINEERS

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HCE job no.: 17-046

Project No.: 32388
Issued:
Drawn By:
Checked By:

SCHEDULES & DETAILS - ELECTRICAL

E103

Williamson County Expo Center RV Park
Bid Schedule

Item No.	Spec. No.	Quantity	Unit	Description (with unit price in words)	Unit Price	Total Price
BASE BID SCHEDULE 100 - GENERAL SITE CIVIL						
Site General						
100.01		1	LS	Mobilization	$	$
100.02		4	MO	Traffic Control	$	$
100.03		1	LS	SWPPP Preparation and Compliance	$	$
Erosion/Sedimentation Control						
100.04		2,287	LF	Silt Fence	$	$
100.05		12	CY	Stabilized Construction Entrance	$	$
Site Paving & Earthwork						
100.06		1	LS	Site Prep	$	$
100.07		310	LF	Remove Existing Curb & Gutter	$	$
100.08		9,458	CY	Embankment "General" (Final) (ORD COMP) (TY B)	$	$
100.09		2,100	LF	Curb (Ribbon)	$	$
100.10		8,325	LF	Curb (Roll)	$	$
100.11		1,374	TON	HMAC, Type D (2") - Parking Lot	$	$
100.12		3,679	GAL	Prime Coat	$	$
100.13		4,192	CY	Limestone Base (10") - Parking Lot (Type A, Grade 4) (WilCO Item 247)	$	$
100.14		4,975	CY	Embankment "Select" (Final) (Dens Cont) (TY C1)	$	$
Site Utilities						
100.15		1,485	LF	8-In PVC Water C-900	$	$
100.16		1,377	LF	8-In PVC Sewer SDR-26 ASTM D3034	$	$
100.17		40	LF	8-In PVC Sewer SDR-26 ASTM D2241	$	$
100.18		271	LF	6-In PVC Sewer SDR-26 D3034	$	$
100.19		10	LF	6-In D.I. Pipe	$	$
100.20		18	CY	Concrete Encasement	$	$
100.21		40	LF	18-In Steel Encasement	$	$
100.22		3	EA	4-FT Dia. Pre-Cast WW MH	$	$
100.23		1	EA	5-FT Dia. Pre-Cast WW MH	$	$
100.24		1	EA	Fire Hydrant Assembly	$	$
100.25		3	EA	Water Service Connection (SNGL)	$	$
100.26		24	EA	Water Service Connection (DBL)	$	$
100.27		23	EA	Sewer Service (SNGL)	$	$
100.28		1	EA	Back Flow Prevention Device Assembly (RPZ)	$	$
100.29		2	EA	Locking Dumpstation Lid	$	$
100.30		2	EA	Yard Hydrant (at Dumpstation)	$	$
100.31		8	EA	Bollard	$	$
100.32		66	SY	Concrete Paving (5") - Dumpstation Island	$	$
Site Drainage						
100.33		550	LF	18" RCP - Parking Lot	$	$
100.34		2	EA	18" RCP Set (3:1) - Parking Lot	$	$
100.35		2	EA	18" RCP Set (4:1) - Parking Lot	$	$
100.36		70	LF	Cast-in-place Trench Drain	$	$
100.37		9	CY	Concrete Pilot Channel	$	$
100.38		60	CY	Concrete Trickle Channel	$	$
100.39		8	CY	Hidden Flume Structure	$	$
100.40		19	CY	4" Concrete Riprap	$	$
Road Improvments						
100.41		3	STA	Prep ROW	$	$
100.42		546	LF	Ribbon Curb - Road	$	$
100.43		151	TON	HMAC, Type D (3") - Road	$	$
100.44		275	GAL	Prime Coat	$	$
100.45		465	CY	Limestone Base (15") - Road	$	$
100.46		372	CY	Embankment "SELECT" (Final) (Dens Cont) (TY C)	$	$
100.47		392	CY	Embankment "GENERAL" (Final) (Dens Cont) (TY C)	$	$
100.48		156	LF	5' x 2' RCBC - Road	$	$
100.49		6	EA	5' x 2' RCBC Set (6:1) - Road	$	$
100.50		55	LF	Rock Filter Dam	$	$
100.51		450	LF	REFL PAV MRK-TY I (24")	$	$
100.52		9	EA	REFL PAV MRK (Arrow)	$	$
100.53		145	LF	REF PAV MRK-TY I (24") Stop Bar	$	$
100.54		270	LF	REF PAV MRK-TY I (4") Sold White Striping	$	$
100.55		15	EA	Small Sign Assembly	$	$
Trail Improvments						
100.56		525	SY	Concrete Paving (5") - Trail	$	$
100.57		88	CY	Limestone Base (6") (Type A, Grade 4) (WilCO Item 247) - Trail	$	$
100.58		479	SY	Crushed Granite (3") - Trail place 5" and compact to 3"	$	$
100.59		1,004	SY	Moisture CMP Sub (6") - Trail	$	$
100.60		12	EA	Curb Ramp - Trail	$	$
100.61		12	LF	Rail - Pedestrian	$	$
Site Electrical						
100.62		51	EA	RV Pedestals (with dual water service, shut-off valve, reinf. concrete pad with anchor bolts per detail)	$	$
100.63		3	EA	Site Pole Lights	$	$
100.64		1	LS	Electric Gear	$	$
100.65		1	LS	Wire/Conduit - Including Primary Option 3A - Ref. Site Plan Keynote 3A	$	$
Fencing/Amenities						
100.67		1	EA	Temporary Acknowledgement Sign	$	$
100.68		1	EA	Permanant Acknowledgement Sign (sign panel provided by owner, pedestal by contractor)	$	$
100.66		4,846	SY	Decomposed Granite Island at RV Spaces (5" wet compact to 3", 5" Crushed limestone base)	$	$
100.69		260	LF	Fencing (Priefert 3-Rail)	$	$
100.70		2	EA	Cable Gate (w/ Reflectors)	$	$
100.71		15,700	SY	Reveg - Native Grass Seed Hydromulch (Includes temporary irrigation for establishment)	$	$
				SUBTOTAL SCHEDULE NO. 100:		
				TOTAL BASE BID SCHEDULES NO. 100:		
Alternate Bid Items						
A1.0		1	LS	Primary Conduit - Option 3B - Ref. Site Plan Keynote 3B	$	$

AGREEMENT
BETWEEN OWNER AND CONTRACTOR

The **Owner**: Williamson County
710 Main Street, Ste. 101
Georgetown, Texas 78626

and **Contractor** _____
_____
_____ _____

for the **Project**: _____
_____
_____ _____

Architect: _____
_____
_____ _____

AGREEMENT, this Agreement Between Owner and Contractor (hereinafter called "Agreement") is entered into effective as of the date indicated herein below and all attachments (the "Effective Date"), by and between Williamson County a political subdivision of the State of Texas (hereinafter called the "Owner") and _____ (hereinafter called "Contractor").

WHEREAS, the Owner desires to retain a Contractor for the _____ (hereinafter called the "Project"),

WHEREAS, the Owner desires a Contractor who will 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, and

NOW, THEREFORE, in consideration of the mutual undertakings herein contained, the parties hereto agree as follows:

ARTICLE 1 SCOPE OF WORK

The Contractor has 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 Work, or any phase of the Work, in accordance with the Specifications and Drawings for the Project and the Owner's requirements. The Specifications and Drawings were prepared for Williamson County by the Architect. The Contractor shall do everything required by the Contract Documents.

ARTICLE 2 CONTRACT DOCUMENTS

2.1 The Contract Documents consist of the following, which are incorporated by reference for all purposes:

a. This Agreement and all exhibits and attachments listed, contained or referenced in this Agreement;
b. The Uniform General Conditions for Williamson County ("General Conditions");
c. The Supplementary or Special Conditions, if any;
d. All Addenda issued prior to the Effective Date of this Agreement;
e. The Bid/Proposal Documents as defined by the Invitation for Bidders/Request for Proposals;
f. All Change Orders issued after the Effective Date of this Agreement;
g. Minimum Insurance Coverages and Minimum Coverage Amounts, which is attached here to as **Exhibit 1**; and
h. The Drawings, Specifications, details and other documents developed by Architect to describe the Project and accepted by Owner, which are attached hereto **Exhibit 2**.

2.2 The Contract Documents form the entire and integrated Contract and Agreement between Owner and Contractor and supersede all prior negotiations, representations or agreements, written or oral. Contractor acknowledges receipt of all Contract Documents as of the date of its execution hereof.

2.3 The term "Contractor" shall be interchangeable with the terms "Proposer," "Bidder," Respondent" and "General Contractor" or other similar terms as appropriate in the Contract Documents.

ARTICLE 3 CONTRACT TIME

The Owner shall provide a Notice to Proceed in which a date for commencement of the work shall be started. The Contractor shall achieve Substantial Completion of the Work within _____ (_____) calendar days after such commencement date, as such completion date may be extended by approved Change

Orders. Unless otherwise specified in writing, Contractor shall achieve Final Completion within _____ (_____) calendar days of Substantial Completion. The time set forth for completion of the work is an essential element of the Contract.

ARTICLE 4 CONTRACTOR REPRESENTATIONS

4.1 In order to induce Owner to enter into this Agreement, Contractor makes the following representations:

A. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bid/Proposal Documents.

B. Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Contractor is familiar with and is satisfied as to all federal, state, and local laws and regulations that may affect cost, progress, and performance of the Work.

D. Contractor has considered the information known to Contractor; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) Contractor's safety precautions and programs.

E. Based on the information and observations referred to in Paragraph 4.1.D above, Contractor does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.

F. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

G. Contractor has given Architect written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Architect is acceptable to Contractor.

H. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 5 THE CONTRACT PRICE; OWNER'S CONSTRUCTION CONTINGENCY

5.1 Contract Price. Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amount of **$**_____

5.2 Contract Payments. Method and terms of payment of the Contract Price shall be in accordance with the Contract Documents.

5.3 Owner's Construction Contingency. The following lump sum amount shall serve as the Owner's Construction Contingency from which changes in the Work are to be paid in accordance with the General Conditions:

$_____

The Owner's Construction Contingency is controlled solely by the Owner and such amount is not included in the Contract Price set out in 5.1 above. Expenditures from the Owner's Construction Contingency must be made by Change Order issued by the Architect and approved by the Owner in accordance with the General Conditions. Contractor shall not be entitled to any compensation from the any unused amounts of the Owner's Construction Contingency.

5.4 Allowable Overhead and Profit Markup on Changes in the Work. In case of an increase in the Contract Price due to a change in the Work and in accordance with § 7.3.7 of the General Conditions, the amounts Contractor may add to the pricing of a change for overhead and profit are as follows:

a. For Work performed directly by Contractor with its Own Employees: Contractor may add up to 15% for Work performed directly by Contractor for any specific change.

b. For Managing Subcontracted Work: Contractor may add up to 10% for managing subcontracted Work for any specific change.

Only one percentage, referenced above, shall be used for the purpose of calculating the markup for a specific change amount. On changes involving both additions and deletions,

the allowed markup will be allowed only on the net addition. The allowed markup shall cover all overhead expenses and profit of any kind relating to the specific change.

ARTICLE 6 TIME

6.1 TIME LIMITS STATED IN THE CONTRACT DOCUMENTS ARE OF THE ESSENCE OF THIS AGREEMENT.

6.2 Unless otherwise approved in writing, the Owner and the Contractor shall perform their respective obligations under the Contract Documents as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Work.

6.3 Liquidated Damages. Contractor and Owner recognize that time is of the essence and that Owner will suffer financial loss if the Work is not completed within the times specified in Article 3 above, plus any extensions thereof allowed in accordance with the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, for each consecutive calendar day after the date of Substantial Completion that the Work is not substantially completed, the Owner may deduct the amount of:

Five Hundred Dollars per calendar day ($500.00/calendar day)

from any money due or that becomes due the Contractor, not as a penalty but as liquidated damages representing the parties' estimate at the time of contract execution of the damages that the Owner will sustain for late completion. The parties stipulate and agree that calculating Owner's actual damages for late completion of the Project would be impractical, unduly burdensome, and cause unnecessary delay and that the amounts of daily liquidated damages set forth are reasonable. Contractor expressly agrees that the amounts of daily liquidated damages are a reasonable forecast of the actual damages Owner will incur due to any such delay.

ARTICLE 7 NOTICES

Notices of claims, disputes or other legal notices shall be in writing and shall be deemed to have been given when delivered in person to the representative of the Contractor or Owner for whom it is intended, as set out below or sent by U. S. Mail to the representative of the Contractor or Owner for whom it is intended, as set out below. Mail notices are deemed effective upon receipt or on the third business day after the date of mailing, whichever is sooner.

If to Owner: Williamson County Judge
710 Main Street, Ste. 101
Georgetown, Texas 78626

with copy to: Hal C. Hawes
General Counsel to the
Williamson County Commissioners Court
710 Main Street, Suite 102
Georgetown, Texas 78626

If to Contractor: _____
_____
_____ _____

The parties may make reasonable changes in the person or place designated for receipt of notices upon advance written notice to the other party.

ARTICLE 8 PARTY REPRESENTATIVES

The Owner's Designated Representative (sometimes referred to as the "ODR") authorized to act in the Owner's behalf with respect to the Project is:

_____
_____
_____ _____
Phone (512) _____
Fax (512) _____

The Contractor's designated representative authorized to act on the Contractor's behalf and bind the Contractor with respect to the Project is:

_____
_____
_____ _____
Phone (512) _____
Fax (512) _____

The parties may make reasonable changes in their designated representatives upon advance written notice to the other party.

ARTICLE 9 ENTIRE AGREEMENT

This Agreement supersedes all prior agreements, written or oral, between Contractor and Owner and shall constitute the entire agreement and understanding between the parties with respect to the Project. This Agreement and the terms of the Contact Documents shall

be binding upon the parties and may not be waived, modified, amended or altered except by a writing signed by Contractor and Owner.

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 below (the "Effective Date").

WILLIAMSON COUNTY Williamson County, Texas,	_____, a Texas _____,
By: _____	By: _____
Printed Name: _____	Printed Name: _____
Title: _____	Title: _____
Date: _____ ____, 20____	Date: _____ ____, 20____

EXHIBIT 1

Minimum Insurance Coverages
and
Minimum Coverage Amounts

A. All policies of insurance provided by the Contractor must comply with the requirements of this Exhibit, the Contract Documents and the laws of the State of Texas.

B. The Contractor shall provide and maintain, until the Work covered in the Agreement Between Owner and Contractor is completed and accepted by the Owner, the minimum insurance coverages 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 Owner.

	Type of Coverage	Limits of Liability
1.	Worker's Compensation	Statutory
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. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER OCCURRENCE
Comprehensive 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 or Contract Sum. 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.

b. This insurance shall be on an "all-risk" or equivalent policy form and shall include, without limitation, insurance against the perils of fire (with extended coverage) and physical loss or damage including, without duplication of coverage, caused by certified acts of terrorism as defined in the Terrorism Risk Insurance Act, theft, vandalism, malicious mischief, collapse, earthquake, flood, windstorm, falsework, testing and startup, temporary buildings and debris removal including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for Architect's and Contractor's services and expenses required as a result of such insured loss as well as coverage for building materials while in transit or building materials suitably stored at a temporary location. Property insurance provided by the Contractor shall not cover any tools, apparatus, machinery, scaffolding, hoists, forms, staging, shoring, and other similar items commonly referred to as construction equipment that may be on the site and the capital value of which is not included in the Work. The Contractor shall make its own arrangements for any insurance it may require on such construction equipment. Any such policy obtained by the Contractor under this section shall include a waiver of subrogation in accordance with the requirements of Section 11.3.4 of the General Conditions.

C. 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 in the Contract Documents. 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.

C. Workers' Compensation Insurance Coverage:

a. Definitions:

(1) 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.
(2) 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.
(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).
(4) 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.

b. 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.
c. The Contractor must provide a certificate of coverage prior to execution of the Agreement Between Owner and Contractor, 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.

d. 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.
e. The Contractor shall obtain from each person providing services on a project, and provide to the Owner:

    (1) 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
    (2) 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.

f. The Contractor shall retain all required certificates of coverage for the duration of the Project and for one year thereafter.
g. 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.
h. 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.

i. The Contractor shall contractually require each person with who it contracts to provide services on a project, to:

    (1) 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;
    (2) 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;
    (3) 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;

(4) obtain from each other person with whom it contracts, and provide to the Contractor:

a. a certificate of coverage, prior to the other person beginning work on the Project; and

b. 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;

(5) retain all required certificate of coverage on file for the duration of the Project and for one year thereafter;

(6) 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

(7) contractually require each person with whom it contracts, to perform as required by paragraphs (1)-(7), with the certificates of coverage to be provided to the person for whom they are providing services.

j. By signing the Agreement Between Owner and Contractor 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.

k. 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 Between Owner and Contractor void if the Contractor does not remedy the breach within ten days after receipt of notice of breach from the Owner.

D. If insurance policies are not written for the amounts specified in this Exhibit, 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.

E. The furnishing of the above listed insurance coverage, as may be modified by the Contract Documents, must be tendered prior to execution of the Agreement Between Owner and Contractor, 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.

F. Owner shall be entitled, upon request and without expense, to receive copies of the policies and all endorsements as they apply to the limits set out in this Exhibit.

G. Contractor shall be responsible for payment of premiums for all of the insurance coverages required under this Exhibit. 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.

EXHIBIT 2 –DRAWINGS AND SPECIFICATIONS

FOR

_____

LIST OF DRAWINGS

DWG	DRAWING TITLE	ISSUE DATE

TABLE OF CONTENTS
For
TECHNICAL SPECIFICATION SECTIONS

DIVISION 1

END OF TECHNICAL SPECIFICATIONS

UNIFORM GENERAL CONDITIONS
FOR WILLIAMSON COUNTY

TABLE OF ARTICLES

1 GENERAL PROVISIONS
2 OWNER
3 CONTRACTOR
4 ARCHITECT
5 SUBCONTRACTORS
6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS
7 CHANGES IN THE WORK
8 TIME
9 PAYMENTS AND COMPLETION
10 PROTECTION OF PERSONS AND PROPERTY
11 INSURANCE AND BONDS
12 UNCOVERING AND CORRECTION OF WORK
13 MISCELLANEOUS PROVISIONS
14 TERMINATION OR SUSPENSION OF THE CONTRACT
15 CLAIMS AND DISPUTES

ARTICLE 1 GENERAL PROVISIONS

§ 1.1 BASIC DEFINITIONS

§ 1.1.1 THE CONTRACT DOCUMENTS

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract as revised, Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive or (4) a written order for a minor change in the Work issued by the Owner or the Architect. Unless specifically enumerated in the Agreement, the Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding requirements.

§ 1.1.2 THE CONTRACT

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants or (4) between any persons or entities other than the Owner and the Contractor.

§ 1.1.3 THE WORK
The term “Work” means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor’s obligations. The Work may constitute the whole or a part of the Project.

§ 1.1.4 THE PROJECT
The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by separate contractors.

§ 1.1.5 THE DRAWINGS
The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules and diagrams.

§ 1.1.6 THE SPECIFICATIONS
The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

§ 1.1.7 INSTRUMENTS OF SERVICE
Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect’s consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

§ 1.1.8 KNOWLEDGE: The terms "knowledge," "recognize," and "discover," their respective derivatives, and similar terms in the Contract Documents, as used in reference to the Contractor, shall be interpreted to mean that which the Contractor knows (or should know), recognizes (or should recognize), and discovers (or should discover) in exercising the care, skill, and diligence required by the Contract Documents. Analogously, the expression "reasonably inferable" and similar terms in the Contract Documents shall be interpreted to mean reasonably inferable by a contractor familiar with the Project and exercising the care, skill, and diligence required of the Contractor by the Contract Documents.§1.1.10 PRODUCT: Materials, systems, and equipment incorporated or to be incorporated in the Work.

§1.1.9 PROVIDE: Furnish and install and shall include, without limitation, labor, materials, equipment, transportation, services and other items required to complete the referenced tasks.

§1.1.02 FURNISH: Pay for, deliver (or receive), unload, inspect, and store products, materials, equipment, and accessories as specified while retaining care, custody and control until received for installation based on a signed receipt.

§ 1.1.11 INSTALL: Receive, unload, inspect, and store as specified while retaining care, custody and control; set or place in position, make required connections; and adjust and test as specified in the Contract Documents for satisfactory performance and operation.

§ 1.2 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS
§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results. In the event of inconsistencies within or between parts of the Contract Documents, or between the Contract Documents and applicable standards, codes, and ordinances, the Contractor shall (i) provide the better quality or greater quantity of Work or (ii) comply with the more stringent requirement; either or both in accordance with the Owner or the Architect’s

interpretation. The terms and conditions of this Section 1.2.1, however, shall not relieve the Contractor of any of the obligations set forth in the Contract Documents.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.2.3.1 Whenever a product is specified in accordance with a Federal Specification, an ASTM Standard, an American National Standards Institute Specification, or other Association Standard, the Contractor, if required by the Specifications or if requested by the Owner, shall present evidence from the manufacture, certifying the product complies with the particular Standard or Specification. When required by the Contract Documents, supporting data shall be submitted to substantiate compliance.

§ 1.2.3.2 Whenever a product is specified or shown by describing proprietary items, model numbers, catalog numbers, manufacturer, trade names, or similar reference, no substitutions may be made unless accepted in strict accordance with the Substitution requirements stated in the Specifications or, if no Substitution requirements are stated in the Specifications, in accordance with the requirements stated elsewhere in the Contract Documents. Where two or more products are shown or specified, the Contractor has the option to use either of those shown or specified.

§ 1.3 CAPITALIZATION
Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles or (3) the titles of other documents published by the American Institute of Architects.

§ 1.4 INTERPRETATION
In the interest of brevity the Contract Documents frequently omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 1.5 USE OF DRAWINGS AND OTHER INSTRUMENTS OF SERVICE
§ 1.5.1 The Architect and the Architect’s consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and will retain all common law, statutory and other reserved rights, including copyrights, except as provided in the Owner-Architect Agreement. The Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the Architect’s or Architect’s consultants’ reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors and material or equipment suppliers are authorized to use and reproduce the Instruments of Service provided to them solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers may not use the Instruments of Service on other projects or for additions to this Project outside the scope of the Work without the specific written consent of the Owner, Architect and the Architect’s consultants.

§ 1.6 TRANSMISSION OF DATA IN DIGITAL FORM
If the parties intend to transmit Instruments of Service or any other information or documentation in digital form, they shall establish the necessary protocols governing such transmissions in writing, unless otherwise already provided in the Agreement or the Contract Documents.

ARTICLE 2 OWNER

§ 2.1 GENERAL

The Owner means Williamson County acting through any duly authorized representative as provided in the Agreement, and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization ("Owner's Designated Representative"). The term "Owner" means the Owner or the Owner's authorized representative.

§ 2.2 OWNER

§ 2.2.1 Appropriation of Funds by Owner. Owner believes it has sufficient funds currently available and authorized for expenditure to finance the costs of the Agreement between Owner and Contractor. Contractor understands and agrees that the Owner's payment of amounts under the Agreement between Owner and Contractor is contingent on the Owner receiving appropriations or other expenditure authority sufficient to allow the Owner, in the exercise of reasonable administrative discretion, to continue to make payments under the Agreement.

§ 2.2.2 Unless specifically stated otherwise in the Contract Documents, Contractor shall secure and pay for necessary permits, approvals, assessments, and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

§ 2.2.3 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. Except for surveys or grade information, the Contractor shall compare the information furnished by the Owner, including, but not limited to, soil tests, with visibly observable physical conditions and the Contract Documents and, on the basis of such review, promptly report to the Owner and the Architect any known conflicts, errors or omissions. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 2.2.4 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

§ 2.2.5 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions.

§ 2.3 OWNER'S RIGHT TO STOP THE WORK

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity.

§ 2.4 OWNER'S RIGHT TO CARRY OUT THE WORK

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of written notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such deficiencies. In such case an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect or failure. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner.

§2.5 EXTENT OF OWNER RIGHTS

§ 2.5.1 The rights stated in this Article 2 and elsewhere in the Contract Documents are cumulative and not in limitation of any rights of the Owner (i) granted in the Contract Documents, (ii) at law, or (iii) in equity.

§ 2.5.2 In no event shall the Owner have control over, charge of, or any responsibility for construction means, methods, techniques, sequences, or procedures or for safety precautions and programs in connection with the Work, notwithstanding any of the rights and authority granted the Owner in the Contract Documents.

§ 2.6 OWNER'S RIGHT TO RECORDS

§ 2.6.1 The Contractor's records, which shall include but not be limited to accounting records, written policies and procedures, subcontractor files (including proposals of successful bidders), original estimates, estimating work sheets, correspondence, schedules, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all foregoing hereinafter referred to as "records") and shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the Contractor or any of his payees. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this Contract.

§ 2.6.2 For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent, or authorized representatives shall have access to said records from the effective date of this Contract for the duration of Work and until three (3) years (or longer if required by law) after the date of final payment by Owner to Contractor.

§ 2.6.3 Owner's agent or its authorized representative shall have access during normal business hours to the Contractor's facilities, shall have access to all necessary records and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this Article 2.6. Owner's agent or authorized representative shall give auditees reasonable advance notice of intended audits.

§ 2.6.4 Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) with cost plus contracts, if permitted, and not fixed price contracts to comply with the provisions of this Article by insertion of the requirements hereof in a written contract agreement between Contractor and payee. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payee's costs from amounts payable to the Contractor pursuant to this contract.

ARTICLE 3 CONTRACTOR

§ 3.1 GENERAL

§ 3.1.1 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative, and if these General Conditions are used in conjunction with the Agreement between Owner and Construction Manager-At-Risk, the term "Contractor" shall mean the Construction Manager.

§ 3.1.2 The Contractor shall perform the Work in strict accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

§ 3.2 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed and correlated personal observations with requirements of the Contract Documents. Prior to execution of the Agreement, the Contractor and each Subcontractor shall have evaluated and satisfied themselves as to the observable conditions and limitations under which the Work is to be performed, including, without limitation, (i) the location, condition, layout, and nature of the Project site and surrounding areas, (ii) generally prevailing climatic conditions, (iii) anticipated labor supply and costs, (iv) availability and cost of materials, tools, and equipment, and (v) other similar issues. The Owner assumes no responsibility or liability for the physical condition or safety of the Project site or any improvements located on the Project site. Except as set forth in Section 10.3, the Contractor shall be solely responsible for providing a safe place for the performance of the Work. The Owner shall not be required to make any adjustment in either the Contract Sum or the Contract Time in connection with any failure by the Contractor or any Subcontractor to have complied with the requirements of this Section 3.2.1.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.2.3, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Owner and Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents. It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that reasonably may be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the indicated result will be provided whether or not specifically called for, at no additional cost to Owner. The Contractor shall verify the accuracy of elevations, dimensions, locations, and field measurements. In all cases of the interconnection of its Work with existing or other Work, the Contractor shall verify at the site all dimensions relating to such existing or other Work.

.1 All of Contractor's work shall conform to the Contract Documents. Contractor shall be responsible for the details of the Work necessary to carry out the intent of the drawings and specifications, or which are customarily performed. When more detailed information is required for performance of the Work or when an interpretation of the Contract Documents is requested, the Contractor shall submit a written request for information to the Architect or Owner (as required), and the Owner or Architect shall furnish such information or interpretation. Where only part of the Work is indicated, similar parts shall be considered repetitive. Where any detail is shown and components thereof are fully described, similar details not fully described shall be considered to incorporate the fully described details and components.

.2 The Contractor has had an opportunity to examine, and has carefully examined, all of the Contract Documents and Project site, and has fully acquainted itself with the scope of work, design, availability of materials, existing facilities, access, general topography, soil structure, subsurface conditions, obstructions, and all other conditions pertaining to the Work, the site of the Work, and its surrounding; that it has made necessary investigations to a full understanding of the difficulties which may be encountered in performing the Work; and that anything in any Contract Documents, or in any representations, statements, or information made or furnished by Owner or its representatives notwithstanding, Contractor will complete the Work for the compensation stated in the Agreement. In addition thereto, Contractor represents that it is fully qualified to do the Work in accordance with the terms of this Agreement in the time specified.

§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Owner and the Architect any nonconformity discovered by or made known to the Contractor as a request for information.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall make Claims as provided in Article 15.

§ 3.3 SUPERVISION AND CONSTRUCTION PROCEDURES

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety thereof and, except as stated below, shall be fully and solely responsible for the jobsite safety of such means, methods, techniques, sequences or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the Owner and Architect and shall not proceed with that portion of the Work without further written instructions from the Architect. If the Contractor is then instructed to proceed with the required means, methods, techniques, sequences or procedures without acceptance of changes proposed by the Contractor, the Owner shall be solely responsible for any loss or damage arising solely from those Owner-required means, methods, techniques, sequences or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.3.4 Inspection of the progress, quantity, or quality of the Work done by the Owner, any Owner's representative, any governmental agency, or the Architect, or any inspector, shall not relieve the Contractor of any responsibility for the compliance of the Work with the Contract Documents. The Owner or its approved representative (heretofore referred to as Owner's representative) shall have access to the worksite and all Work. No supervision or inspection by the Owner's representative, nor the authority to act nor any other actions taken by the Owner's representative shall relieve the Contractor of any of its obligations under the Contract Documents nor give rise to any duty on the part of the Owner.

§ 3.4 LABOR AND MATERIALS

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 3.4.1.1 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" provided by the Owner. 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 Contractor because the Contractor pays wages in excess of the applicable minimum rate contained in the Contract Documents. 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.

.1 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 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.

.2 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.

§ 3.4.1.2 Prevailing Wage Schedule. The "Prevailing Wage Schedule" shall be determined by the Owner in compliance with Chapter 2258, Texas Government Code. Should the Contractor at any time become aware that a particular skill or trade not reflected on the Owner's 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.

§ 3.4.1.3 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 thereto pursuant to §3.4.1.2. 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.

§ 3.4.1.4 Complaints of Violations of Prevailing Wage Rates. Within 31 days of receipt of information concerning a violation of Chapter 2258 of the Texas Government Code, 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 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.

§ 3.4.1.5 Arbitration Required if Violation not Resolved. After the Owner makes its initial determination, the affected Contractor or Subcontractor and worker have 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. It the Contractor or Subcontractor and affected worker do not agree before the 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 10 days after the expiration of the 15 days referred to above, to agree on an arbitrator; if by the 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.

§ 3.4.1.6 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 in this Article 3.4 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.

§ 3.4.1.7 Prevailing Wage Retainage. Money retained pursuant to this Article 3.4 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 $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 under §§3.4.2 and 3.4.3.

§ 3.4.1.8 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 Article 3.4.

§ 3.4.2 Except in the case of minor changes in the Work authorized by the Owner or Architect in accordance with Sections 3.12.8 or 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive. If the Contractor desires to submit an alternate product or method in lieu of what has been specified or shown in the Contract Documents, the Contractor shall comply with the Substitution requirements listed in the Specifications, or if there are no Substitution requirements listed in the Specifications, then the following provisions apply:

§ 3.4.2.1 The Contractor must submit to the Architect and the Owner (i) a full explanation of the proposed substitution and submittal of all supporting data, including technical information, catalog cuts, warranties, test results, installation instructions, operating procedures, and other like information necessary for a complete evaluation of the substitution; (ii) the adjustment, if any, in the Contract Sum, in the event the substitution is acceptable; (iii) the adjustment, if any, in the time of completion of the Contract and the construction schedule in the event the substitution is acceptable; and (v) a statement indicating Contractor accepts the warranty and correction obligations in connection with the proposed substitution as if originally specified by the Architect. Proposals for substitutions shall be to the Architect in sufficient time to allow the Architect no less than ten (10) working days for review. No substitutions will be considered or allowed without the Contractor's submittal of complete substantiating data and information as stated hereinbefore.

§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.4.4 The Contractor shall only employ or use labor in connection with the Work capable of working harmoniously with all trades, crafts, and any other individuals associated with the Project.

§ 3.4.5. In case the progress of the Work is affected by any undue delay in furnishing or installing any items or materials or equipment required under the Contract Documents because of such conflict involving any such labor agreement or regulation, the Owner may require that other material or equipment of equal kind and quality be provided pursuant to a Change Order or Construction Change Directive.

§ 3.5 WARRANTY

§ 3.5.1 The Contractor warrants to the Owner: (1) that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise; (2) that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit; (3) that the Work will be done strictly in accordance with the Contract Documents; (4) that all products are installed

per the manufacturer's instructions, and in such a way that the manufacturer's warranties are preserved, including the use of a manufacturer-certified installer, if required by the manufacturer; (5) and that the Work, when finally completed, will provide a complete Project that meets the intent of the Contract Documents. The Contractor represents and warrants to the Owner that its materials and workmanship, including without limitation, construction means, methods, procedures and techniques necessary to perform the Work, use of materials, selection of equipment and requirements of product manufacturers are and shall be consistent with: (1) good and sound practices within the construction industry; (2) generally prevailing and accepted industry standards applicable to the Work; (3) requirements of any warranties applicable to the Work subject to Paragraph 3.2.3. Work, materials, or equipment not conforming to these requirements shall be considered defective, and promptly after written notification of non-conformance shall be repaired or replaced by Contractor with Work conforming to this warranty. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Owner or Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.5.1.1 Contractor further warrants that all materials or equipment of a category or classification will be a product of the same manufacturer and such materials or equipment shall be of the same lot, batch or type and that such materials and equipment will be as specified.

§ 3.5.2 The Contractor agrees to assign to the Owner at the time of final completion of the Work any and all manufacturer's warranties relating to materials and labor used in the Work and further agrees to perform the Work in such manner so as to preserve any and all such manufacturer's warranties.

§ 3.6 TAXES

State Sales and Use Taxes. Sales, use or similar taxes imposed by a governmental authority that are related to the Work and for which the Contractor is liable; provided, however, Owner 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 of the Agreement are being secured for use by Owner. Exemption certificates will be provided to Contractor upon request. As a precondition to the Owner reimbursing Contractor for allowable sales and use taxes, Contractor must, on its own, first attempt to use such tax exemption certificates in order to assert the exemption. In the event Contractor's efforts to use the tax exemption certificate is unsuccessful and provided that under the laws of the State of Texas an exemption from sales and use taxes is allowed, Owner will reimburse Contractor for such sales and use taxes upon Contractor providing sufficient and satisfactory documentation to the Williamson County Auditor.

§ 3.7 PERMITS, FEES, NOTICES, AND COMPLIANCE WITH LAWS

§ 3.7.1 Unless otherwise provided, the Contractor shall secure, pay for, and, as soon as practicable, furnish the Owner with copies or certificates of all permits and fees, licenses, and inspections necessary for the proper execution and completion of the Work, including, without limitation, all building permits. All connection charges, assessments, or inspection fees as may be imposed by any municipal agency or utility company are included in the Contract Sum and shall be the Contractor's responsibility.

§ 3.7.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction and damages resulting therefrom.

§ 3.7.4 Concealed or Unknown Conditions. If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature, that differ materially from

those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 21 days after first observance of the conditions. The Owner will promptly investigate such conditions and, if the Owner determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will authorize an equitable adjustment in the Contract Sum or Contract Time, or both. If the Owner determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Owner shall promptly notify the Contractor in writing, stating the reasons. If the Contractor disputes the Owner's determination, the Contractor party may assert a Claim as provided in Article 15.

§ 3.7.5 If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

§ 3.8 ALLOWANCES

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

.1 allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;

.2 Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and

.3 whenever costs are more than or less than allowances, the Contractor shall, prior to purchasing any such materials, notify the Owner in writing of the cost and whether such cost will exceed the amount of the allowance. If Owner authorizes Contractor to proceed, after receiving the Contractor's estimate of the total cost, then the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

§ 3.9 SUPERINTENDENT

§ 3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent or Contractor's project manager shall be as binding as if given to the Contractor. Important oral communications shall be immediately confirmed in writing.

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall furnish in writing to the Owner through the Architect the name and qualifications of a proposed superintendent. The Owner or Architect may reply within 14 days to the Contractor in writing stating (1) whether the Owner or the Architect has reasonable objection to the proposed superintendent or (2) that the Owner and Architect require additional time to review. Failure of the Owner or Architect to reply within the 14 day period shall constitute notice of no reasonable objection.

§ 3.9.3 The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

§ 3.10 CONTRACTOR'S CONSTRUCTION SCHEDULES

§ 3.10.1 The Contractor, as provided in the Agreement, shall prepare and submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall not exceed time limits current under the Contract Documents, shall be revised at appropriate intervals as required by the conditions of the Work and Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

§ 3.10.2 The Contractor shall prepare a submittal schedule, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, and shall submit the schedule(s) for the Architect's approval. The Architect's approval shall not unreasonably be delayed or withheld. The submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

§ 3.10.4 The construction schedule shall be a detailed precedence-style critical path management ("CPM") schedule in a format satisfactory to the Owner that shall (i) provide a graphic representation of all activities and events that will occur during performance of the Work; (ii) identify each phase of construction and occupancy; and (iii) set forth dates that are critical in ensuring the timely and orderly completion of the Work in accordance with the requirements of the Contract Documents (hereinafter referred to as the "Milestone Date"). Upon review and acceptance by the Owner of the Milestone Dates, the construction schedule shall be deemed part of the Contract Documents. If not accepted, the construction schedule shall be promptly revised by the Contractor in accordance with the recommendations of the Owner and resubmitted for acceptance. The Contractor shall monitor the progress of the Work for conformance with the requirements of the construction schedule and shall promptly advise the Owner of any delays or potential delays. The accepted construction schedule shall be updated to reflect actual conditions as set forth in section 3.10.1 or if requested by the Owner. In the event any progress report indicates any delays, the Contractor shall propose an affirmative plan to correct the delay, including overtime and/or additional labor, if necessary. In no event shall any progress report constitute an adjustment in the Contract Time, any Milestone date, or the Contract Sum unless any such adjustment is agreed to by the Owner and authorize pursuant to a Change Order.

§ 3.10.5 In the event the Owner determines that the performance of the Work, as of a Milestone Date, has not progressed or reach the level of completion required by the Contract Documents, the Owner shall have the right to order the Contractor to take corrective measures necessary to expedite the progress of construction, including without limitation, (i) working additional shifts or overtime, (ii) supplying additional manpower, equipment, and facilities, and (iii) other similar measures. Such measures so continue until the progress of the Work complies with the stage of completion required by the Contract Documents. The Owner's right to require such measures is solely for the purpose of ensuring the Contractors compliance with the construction schedule.

§ 3.11 DOCUMENTS AT THE SITE

The Contractor shall maintain at the site for the Owner one copy of the Drawings, Specifications, Addenda, Change Orders and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and one copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These shall be available to the Architect and shall be delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

§ 3.12 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. Their purpose is to demonstrate the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve and submit to the Architect Shop Drawings, Product Data, Samples and similar submittals required by the Contract Documents in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of separate contractors.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved by the Architect.

§ 3.12.8 The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Architect in writing of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Architect's approval thereof.

§ 3.12.9 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such written notice, the Architect's approval of a resubmission shall not apply to such revisions.

§ 3.12.10 The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. The Contractor shall not be required to provide professional services in violation of applicable law. If professional design services or certifications by a design professional related to systems, materials or

equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall cause such services or certifications to be provided by a properly licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor all performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review, approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Contractor shall not be responsible for the adequacy of the performance and design criteria specified in the Contract Documents.

§ 3.13 USE OF SITE

The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

§ 3.14 CUTTING AND PATCHING

§ 3.14.1 The Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly as required by the Contract Documents. All areas requiring cutting, fitting and patching shall be restored to the condition existing prior to the cutting, fitting and patching, unless otherwise required by the Contract Documents.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.

§ 3.15 CLEANING UP

§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials from and about the Project.

§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and Owner shall be entitled to reimbursement from the Contractor.

§ 3.16 ACCESS TO WORK

The Owner and Architect shall, at all times, have access to the Work in preparation and progress wherever located.

§ 3.17 ROYALTIES, PATENTS AND COPYRIGHTS

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications or other documents prepared by the Owner or Architect. However, if the Contractor has reason to believe that the required design, process or product is an infringement of a copyright or a patent, the Contractor shall be responsible for such loss unless such information is promptly furnished to the Architect.

§ 3.18 INDEMNIFICATION

§ 3.18.1 INDEMNITY – OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS OWNER, ITS EMPLOYEES, AND ASSIGNS (THE "INDEMNIFIED PARTIES" OR "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, TO THE EXTENT CAUSED BY THE NEGLIGENT OR WILLFUL ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, SUB-SUBCONTRACTORS, OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE. CONTRACTOR SHALL NOT BE REQUIRED TO INDEMNIFY, HOLD HARMLESS OR DEFEND THE INDEMNIFIED PARTIES AGAINST A CLAIM CAUSED BY THE NEGLIGENCE OR FAULT, OR THE BREACH OR VIOLATION OF A STATUTE, ORDINANCE, GOVERNMENTAL REGULATION, STANDARD, OR RULE OF THE INDEMNITEE, OR OTHER PARTY OTHER THAN CONTRACTOR OR ITS AGENT, EMPLOYEE, OR SUBCONTRACTOR OF ANY TIER, EXCEPT THAT CONTRACTOR SHALL INDEMNIFY, HOLD HARMLESS AND DEFEND THE INDEMNIFIED PARTIES AGAINST ANY CLAIMS FOR THE BODILY INJURY OR DEATH OF AN EMPLOYEE OF CONTRACTOR, ITS AGENTS, OR IT SUBCONTRACTORS OF ANY TIER.

§3.18.2 INDEMNITY – EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS THE INDEMNIFIED PARTIES AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF AN INDEMNIFIED PARTY'S GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, INCLUDING THE DEATH, OF ANY EMPLOYEE OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY SUB-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 OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK OF THIS AGREEMENT. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNIFIED PARTIES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE 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.

§3.18.3 THE CONTRACTOR'S INDEMNITY OBLIGATIONS UNDER THIS SECTION 3.18 SHALL ALSO SPECIFICALLY INCLUDE, WITHOUT LIMITATION, ALL FINES, PENALTIES, DAMAGES, LIABILITY, COSTS, EXPENSES (INCLUDING, WITHOUT LIMITATION, REASONABLE ATTORNEYS' FEES) ARISING OUT OF, OR IN CONNECTION WITH, ANY (I) VIOLATION OF OR FAILURE TO COMPLY WITH ANY LAW, STATUTE, ORDINANCE, RULE, REGULATION, CODE OR REQUIREMENT OF A PUBLIC AUTHORITY THAT BEARS UPON THE PERFORMANCE OF THE WORK BY THE CONTRACTOR, A SUBCONTRACTOR, OR ANY PERSON OR ENTITY FOR WHOM EITHER IS RESPONSIBLE, (II) MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF EXECUTION OR PERFORMANCE OF THE WORK, AND (III) FAILURE TO SECURE AND PAY FOR PERMITS, FEES, APPROVALS, LICENSES, AND INSPECTIONS AS REQUIRED UNDER THE CONTRACT DOCUMENTS, OR ANY VIOLATION OF ANY PERMIT OR OTHER APPROVAL OF A PUBLIC AUTHORITY APPLICABLE TO THE WORK, BY THE CONTRACTOR, A SUBCONTRACTOR, OR ANY PERSON OR ENTITY FOR WHOM EITHER IS RESPONSIBLE.

ARTICLE 4 ARCHITECT

§ 4.1 GENERAL

§ 4.1.1 The Owner shall retain an architect lawfully licensed to practice architecture or an entity lawfully practicing architecture in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 4.1.2 Duties, responsibilities and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified or extended without written consent of the Owner, Contractor and Architect. Consent shall not be unreasonably withheld.

§ 4.2 ADMINISTRATION OF THE CONTRACT
§ 4.2.1 The Architect will provide administration of the Contract as described in the Owner-Architect Agreement. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for, the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents, except as provided in Section 3.3.1.

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and report to the Owner (1) known deviations from the Contract Documents and from the most recent construction schedule submitted by the Contractor, and (2) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of and will not be responsible for acts or omissions of the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 COMMUNICATIONS AND CONTRACT ADMINISTRATION
Except as otherwise provided in the Contract Documents or when direct communications have been specially authorized, the Owner and Contractor shall endeavor to relate relevant communications between Owner and Architect to the Architect. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and material suppliers shall be through the Contractor. Communications by and with separate contractors shall be through the Owner.

§ 4.2.5 If included in Architect's scope of work, the agreement between Owner and Architect, or if requested by the Owner, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts based on the Architect's evaluations of the Contractor's Applications for Payment.

§ 4.2.6 To the extent permitted by the agreement between Owner and Architect, the Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect, in consultation with the Owner, will have authority to require inspection or testing of the Work in accordance with Sections 13.5.2 and 13.5.3, whether or not such Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect or the Owner to the Contractor, Subcontractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 4.2.7 To the extent provided in the agreement between Owner and Architect, the Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Owner and Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the

purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5 and 3.12. The Architect's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Architect, of any construction means, methods, techniques, sequences or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 4.2.8 If requested by Owner, the Architect will prepare Change Orders and Construction Change Directives with the Owner's prior written consent, but the Architect may authorize minor changes in the Work as provided in the agreement between Owner and Architect, or in Section 7.4 of these General Conditions. If requested by Owner, the Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

§ 4.2.9 If requested by Owner, the Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more project representatives to assist in carrying out the Architect's responsibilities at the site. The duties, responsibilities and limitations of authority of such project representatives shall be as set forth in an exhibit to be incorporated in the Contract Documents.

§ 4.2.11 If requested by Owner, the Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents, and if approved by Owner.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

ARTICLE 5 SUBCONTRACTORS

§ 5.1 DEFINITIONS

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a separate contractor or subcontractors of a separate contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

§ 5.2 AWARD OF SUBCONTRACTS

§ 5.2.1 For Construction Manager-At-Risk Agreements. The Construction Manager shall publicly advertise for bids or proposals and receive bids or proposals from trade contractors or Subcontractors for the performance of all major elements of the work other than the minor work that may be included in the general conditions. The Construction Manager may seek to perform portions of the work itself if:

(A) the Construction Manager submits its bid or proposal for those portions of the Work in the same manner as all other trade contractors or Subcontractors; and

(B) the Owner determines that the Construction Manager's bid or proposal provides the best value for the Owner.

§ 5.2.1.1 REVIEW OF BIDS OR PROPOSALS. Construction Manager shall review all trade contractor or Subcontractor bids or proposals in a manner that does not disclose the contents of the bid or proposal during the selection process to a person not employed by the Construction Manger, Architect, Engineer, or Owner. All bids or proposals shall be made available to the Owner on request and to the public after the later of the award of the contract or the seventh day after the date of final selection of bids or proposals. If the Construction Manager reviews, evaluates, and recommends to the Owner a bid or proposal from a trade contractor or subcontractor but the Owner requires another bid or proposal to be accepted, the Owner shall compensate the Construction Manager by a change in the Contract Sum, Contract Time, or Cost of the Work for any additional cost and risk that the Construction manager incurs because of the Owner's requirement that another bid or proposal be accepted.

§ 5.2.2 The Contractor shall not contract with a proposed Subcontractor, person, or entity to whom the Owner has made reasonable objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made a reasonable objection.

§ 5.2.3 If the Owner has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner has no reasonable objection. If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time may be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.

§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity previously selected if the Owner makes reasonable objection to such substitution.

§ 5.3 SUBCONTRACTUAL RELATIONS

§ 5.3.1 By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work, which the Contractor, by these Documents, assumes toward the Owner. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

§ 5.3.2 All subcontracts shall be in writing and, if requested, Contractor shall provide Owner with copies of executed subcontracts.

§ 5.4 CONTINGENT ASSIGNMENT OF SUBCONTRACTS
§ 5.4.1 This Contract is for Owner's benefit, its successors and assigns who, as well as Contractor, may directly enforce all rights and warranties, express or implied herein, but Subcontractors shall have recourse only against Contractor and not against Owner. Owner may rely solely upon Contractor for enforcement of all Subcontracts. To effect such purpose, Contractor assigns to Owner all right to bring any actions against subcontractors and material vendors without waiver by Owner of his right against Contractor because of defaults, delays and effects for which a subcontractor or material vendor may also be liable, said assignment being effective only if:

.1 Contractor is in default under the Contract Documents; or

.2 Owner has terminated the Contract in accordance with the Contract Documents; and

.3 Only for those subcontract agreements which the Owner accepts by notifying the Subcontractor and Contractor in writing; and

.4 The assignment is subject to the prior rights of the surety, if any, obligated under any bond relating to the Contract.

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation may be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon such assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

§5.4.4 The Architect and the Owner shall have the right to request from any Subcontractor at any time during the course of construction, a notarized affidavit stating the amount of monies which have been paid to the Subcontractor as of any certain stipulated date.

ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS
§ 6.1 OWNER'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS
§ 6.1.1 The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and to award separate contracts in connection with other portions of the Project or other construction or operations on the site under Conditions of the Contract identical or substantially similar to these including those portions related to insurance and waiver of subrogation. If the Contractor claims that delay or additional cost is involved because of such action by the Owner, the Contractor shall make such Claim as provided in Article 15.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Contractor shall participate with other separate contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to the construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, separate contractors and the Owner until subsequently revised.

§ 6.2 MUTUAL RESPONSIBILITY
§ 6.2.1 The Contractor shall afford the Owner and separate contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall

connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Architect and the Owner apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the Owner's or separate contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable.

§ 6.2.3 The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a separate contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a separate contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner, separate contractors as provided in Section 10.2.5.

§ 6.2.5 The Owner and each separate contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

§ 6.3 OWNER'S RIGHT TO CLEAN UP
If a dispute arises among the Contractor, separate contractors and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and allocate the cost among those responsible.

ARTICLE 7 CHANGES IN THE WORK
§ 7.1 GENERAL
§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

§ 7.1.2 A Change Order shall be based upon agreement among the Owner, Contractor and Architect; a Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor; an order for a minor change in the Work may be issued by the Owner or Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents, and the Contractor shall proceed promptly, unless otherwise provided in the Change Order, Construction Change Directive or order for a minor change in the Work. Except as permitted in Section 7.3 and Section 9.7.2, a change in the Contract Sum or the Contract Time shall be accomplished only by Change Order. Accordingly, no course of conduct or dealings between the parties, nor express or implied acceptance of alterations or additions to the Work, and no claim that Owner has been unjustly enriched by any alteration of or addition to the Work, whether or not there is, in fact, any unjust enrichment to the Work, shall be the basis of any Claim to an increase in any amounts due under the Contract Documents or a change in any time period provided for in the Contract Documents.

§ 7.2 CHANGE ORDERS
§ 7.2.1 A Change Order is a written instrument signed by the Owner, Contractor and Architect stating their agreement upon all of the following:

.1 The change in the Work;
.2 The amount of the adjustment, if any, in the Contract Sum; and
.3 The extent of the adjustment, if any, in the Contract Time.

§ 7.2.2 Contractor's Change Order shall set forth in clear and precise detail breakdowns of labor and materials for all trades involved and the estimated impact on the dates of Substantial Completion. Contractor shall furnish supporting data as reasonably requested by Owner.

§ 7.2.3 Agreement on any Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including, but not limited to, all direct and indirect costs associated with such change and any and all adjustments to the Contract Sum and the construction schedule.

§ 7.3 CONSTRUCTION CHANGE DIRECTIVES

§ 7.3.1 A Construction Change Directive is a written order signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

.1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

.2 Unit prices stated in the Contract Documents or subsequently agreed upon;

.3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or

.4 As provided in Section 7.3.7.

§ 7.3.4 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed in a proposed Change Order or Construction Change Directive so that application of such unit prices to quantities of Work proposed will cause substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

§ 7.3.5 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.6 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 7.3.7 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Owner shall determine the method and the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Owner or Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.7 shall be limited to the following:

.1 Costs of labor, including social security, old age and unemployment insurance, fringe benefits required by agreement or custom, and workers' compensation insurance;

.2 Costs of materials, supplies and equipment, including cost of transportation, whether incorporated or consumed;

.3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;

.4 Costs of premiums for all bonds and insurance, permit fees, and sales, use or similar taxes related to the Work; and

.5 Additional costs of supervision and field office personnel directly attributable to the change.

§ 7.3.8 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Owner or the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Owner will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Owner determines to be reasonably justified. The Owner's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of Contractor to disagree and assert a Claim in accordance with Article 15.

§ 7.3.10 When the Owner and Contractor agree with a determination made concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

§ 7.4 MINOR CHANGES IN THE WORK

If permitted in the agreement between Owner and Architect, the Architect has authority to order minor changes in the Work not involving adjustment in the Contract Sum or extension of the Contract Time and not inconsistent with the intent of the Contract Documents.

ARTICLE 8 TIME

§ 8.1 DEFINITIONS

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement.

§ 8.1.3 The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 PROGRESS AND COMPLETION

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract and are a material element of the Contract. By executing the Agreement the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, prematurely commence operations on the site or elsewhere prior to the effective date of insurance required by Article 11 to be furnished by the Contractor and Owner. The date of commencement of the Work shall not be changed by the effective date of such insurance.

§ 8.2.3 The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.3 DELAYS AND EXTENSIONS OF TIME

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by an act or neglect of the Owner or Architect, or of an employee of either, or of a separate contractor employed by the Owner; or by changes ordered in the Work; or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties or other causes beyond the Contractor's control; or by delay authorized by the Owner pending mediation and arbitration; or by other causes that the Architect and Owner determines may justify delay, then the Contract Time shall be extended by Change Order to the extent such delay will prevent the Contractor from achieving Substantial Completion within the Contract Time and if the performance of the Work is not, was not, or would not have been delayed by any other cause for which the Contractor is not entitled to an extension in the Contract Time under the Contract Documents. The Contractor further acknowledges and agrees that adjustments in the Contract Time will be permitted for a delay only to the extent such delay (i) is not caused, or could not have been anticipated, by the Contractor, and (ii) could not be limited or avoided by the Contractor's timely notice to the Owner of the delay or reasonable likelihood that a delay will occur.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

§ 8.3.3 Notwithstanding anything contained in the Contract Documents to the contrary, the Contractor's sole remedy for any (1) delay in the commencement, prosecution or completion of the Work, (2) hindrance or obstruction in the performance of the Work, (3) loss of productivity, or (4) other similar claims (collectively referred in this Subparagraph 8.3.3 as "Delay or Delays"), whether or not such Delays are foreseeable, shall be an extension of time in which to complete the Work. In no event shall the Contractor be entitled to any other compensation or recovery of any damages, costs, or attorneys' fees, caused by any Delays, unknown site conditions, errors, inconsistencies, or omissions in the Drawings and Specifications, or concealed or unknown conditions, including, without limitation, consequential damages, lost opportunity costs, impact damages or other similar damages; provided however that Contractor may be entitled to additional time as provided under Section 8.3.1.

§ 8.3.4 If the Contractor submits a progress report indicating, or otherwise expresses an intention to achieve, completion of the Work prior to any completion date required by the Contract Documents or expiration of the Contract Time, no liability of the Owner to the Contractor for any failure of the Contractor to so complete the Work shall be created or implied.

§ 8.3.5 Owner shall have the right to occupy, without prejudice to rights of either party, any completed or substantially completed portions of the Work, notwithstanding the fact that time for completion of entire Work, or portions thereof, may not be expired. Occupancy and use by Owner shall not constitute, in itself, acceptance of the Work.

ARTICLE 9 PAYMENTS AND COMPLETION

§ 9.1 CONTRACT SUM

The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.2 SCHEDULE OF VALUES

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit to the Owner and Architect, before the first Application for Payment, a schedule of values allocating the entire Contract Sum 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.

§ 9.3 APPLICATIONS FOR PAYMENT

§ 9.3.1 As provided in the Agreement and in the Contract Documents, the Contractor shall submit to the Owner and Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2., 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 or Architect may require, such as copies of requisitions from Subcontractors and material suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Owner or the Architect, but not yet included in Change Orders.

§ 9.3.1.2 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.

§ 9.3.1.3 If requested by Owner or required elsewhere in the Contract Documents, Each Application for Payment shall be accompanied by the following, all in a form and substance satisfactory to the Owner:

(i) 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;

(ii) 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;

(iii) 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 $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;

(iv) 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

(v) Such other information, documentation, and materials as the Owner, or the title insurer 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.

§ 9.3.2 Unless otherwise provided in the Contract Documents, 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. 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.

§ 9.3.3 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.

§ 9.3.3.1 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 Section 9.3.3), provide the Owner has paid Contractor pursuant to the requirements of the Contract Documents. 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.

§ 9.3.3.2 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 Section 9.3.3, including, without limitation, the duty to defend and indemnify Owner.

§ 9.3.3.3 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 Subchapter B, Chapter 2252 of the Texas Government Code. 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.

§ 9.3.3.4 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.

§ 9.4 CERTIFICATES FOR PAYMENT

§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either issue to the Owner a Certificate for Payment, with a copy to the Contractor, for such amount as the Architect determines is properly due, or notify the Contractor and Owner in writing of the Architect's reasons for withholding certification in whole or in part as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data comprising the Application for Payment, that, to the best of the Architect'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 Contract Documents. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion and to specific qualifications expressed by the Architect. 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 Architect 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 Sum.

§ 9.5 DECISIONS TO WITHHOLD CERTIFICATION

§ 9.5.1 The Owner or Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Owner or Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Owner or Architect is unable to certify payment in the amount of the Application, the Owner or Architect will notify the Contractor. If the Contractor and Architect, or Contractor and Owner, as the case may be, cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount that can be certified. The Owner or Architect 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 or Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

.1 defective Work not remedied;
.2 third party claims filed or reasonable evidence indicating probable filing of such claims;
.3 failure of the Contractor to make payments properly to Subcontractors or for labor, materials or equipment;
.4 reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
.5 damage to the Owner or a separate contractor;
.6 failure to maintain the scheduled progress, or reasonable evidence that the Work will not be completed within the Contract Time;
.7 failure to comply with the requirements of Texas Government Code Chapter 2258 (Prevailing Wage Law);
.8 failure to include sufficient documentation to support the amount of payment requested for the Project;
.9 failure to obtain, maintain, or renew insurance coverage, payment/performance bonds or warranty bond required by the Contract Documents; or
.10 repeated failure to carry out the Work in accordance with the Contract Documents.

§ 9.5.2 When the above reasons for withholding certification are removed, certification will be made for amounts previously withheld.

§ 9.6 PROGRESS PAYMENTS
§ 9.6.1 The Owner shall make payment in the manner and within the time provided in the Contract Documents and in accordance with Chapter 2251 of the Texas Government Code.

§ 9.6.2 The Contractor shall pay each Subcontractor no later than 10 days after receipt of payment from the Owner the amount to which the Subcontractor is entitled, reflecting 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.

§ 9.6.3 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 days, the Owner shall have the right to contact Subcontractors to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay or to see to the payment of money to a Subcontractor, except as may otherwise be required by law.

§ 9.6.4 Contractor payments to material and equipment suppliers shall be treated in a manner similar to that provided in Sections 9.6.2.

§ 9.6.5 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 Contract Documents.

§ 9.7 FAILURE OF PAYMENT
§ 9.7.1 If the Architect is required to issue Certificates for Payment and, through no fault of the Contractor, the Architect fails to timely issue Certificates for Payment in the time permitted in the Contract Documents, or if the Owner does not pay the Contractor by the date established in the Contract Documents, then the Contractor may, upon twenty-one days' written notice to the Owner and Architect, stop the Work until payment of the amount owing has been received.

§ 9.7.2 If the Owner is entitled to reimbursement or payment from the Contractor under or pursuant to the Contract Documents, such payment shall be made promptly upon demand by the Owner. Notwithstanding anything contained in the Contract Documents 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 Sum and may, in the Owner's sole discretion, elect either to (i) deduct

an amount equal to that which the Owner is entitled from any payment then or thereafter due the Contractor from the Owner, or (ii) issue a written notice to the Contractor reducing the Contract Sum by an amount equal to that which the Owner is entitled.

§ 9.8 SUBSTANTIAL COMPLETION

§ 9.8.1 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 Contract Documents 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.

§ 9.8.2 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 and Architect 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 Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's punch list, the Owner and Architect will examine the Work to determine whether the Work or designated portion thereof is substantially complete. If the Owner and/or Architect's examination discloses any item, whether or not included on the Contractor's punch list, that is not sufficiently complete in accordance with the Contract Documents, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Owner or Architect. In such case, the Contractor shall then submit a request for another examination by the Owner or Architect to determine Substantial Completion.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect, if required by the Contract Documents, or 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 30 days of Substantial Completion. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 9.8.5 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. Upon such acceptance and consent of surety, if any, the Owner shall make payment of retainage.

§ 9.9 PARTIAL OCCUPANCY OR USE

§ 9.9.1 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, provided such occupancy or use is consented to by the insurer as required under Section 11.3.1.5, 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 Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld.

§ 9.9.2 Immediately prior to partial occupancy or use, the Owner, Contractor and Architect 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.

§ 9.9.3 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 Contract Documents.

§ 9.10 FINAL COMPLETION AND FINAL PAYMENT

§ 9.10.1 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 and Architect will make such inspection and, when the Owner and Architect find the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with terms and conditions of the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled. All warranties and guarantees required under or pursuant to the Contract Documents shall be assembled and delivered by the Contractor to the Architect as part of the final Application for Payment. The final Certificate for Payment will not be issued by the Architect until all warranties and guarantees have been received and accepted by the Owner.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Owner and Architect (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 Chapter 2251 of the Texas Government Code, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be canceled or allowed to expire until at least 30 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 Contract Documents, (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 Contract, to the extent and in such form as may be designated by the Owner.

§ 9.10.3 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

.1 Claims, security interests or encumbrances arising out of the Contract and unsettled;
.2 failure of the Work to comply with the requirements of the Contract Documents; or
.3 terms of warranties required by the Contract Documents.

§ 9.10.4 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 identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 SAFETY PRECAUTIONS AND PROGRAMS

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 SAFETY OF PERSONS AND PROPERTY

§ 10.2.1 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to

.1 employees on the Work and other persons who may be affected thereby;
.2 the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and

.3 other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.

§ 10.2.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss. Notwithstanding any language to the contrary, the Owner shall not have any responsibility for job site inspections or safety recommendations. Any inspections or observations by the Owner or the Architect are solely for the benefit of the Owner and shall not create any duties or obligations to anyone else.

§ 10.2.3 The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent sites and utilities.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3, except damage or loss attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 INJURY OR DAMAGE TO PERSON OR PROPERTY
If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, written notice of such injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

§ 10.2.9 When all or a portion of the Work is suspended for any reason, the Contractor shall securely fasten down all covering and fully protect the Work, as necessary, from injury or damage by any cause.

§ 10.2.10 The Contractor shall promptly report in writing to the Owner and Architect all accidents arising out of or in connection with the Work that cause death, personal injury, or property damage.

§ 10.3 HAZARDOUS MATERIALS
§ 10.3.1 The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the

Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the Owner and Architect in writing.

§ 10.3.2 Upon receipt of the Contractor's written notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written notice from the Owner.

§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for materials or substances the Contractor brings to the site unless such materials or substances are expressly required by the Contract Documents. The Owner shall be responsible for materials or substances expressly required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.

§ 10.3.5 The Contractor shall indemnify the Owner for the cost and expense the Owner incurs (1) for remediation of a material or substance the Contractor brings to the site or negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.4 EMERGENCIES
In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury or loss. Additional compensation or extension of time, if any, claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

ARTICLE 11 INSURANCE AND BONDS
§ 11.1 CONTRACTOR'S LIABILITY INSURANCE
§ 11.1.1 The Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located such insurance as will protect the Contractor from claims set forth below which may arise out of or result from the Contractor's operations and completed operations under the Contract and for which the Contractor may be legally liable, whether such operations be by the Contractor or by a Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

.1 Claims under workers' compensation, disability benefit and other similar employee benefit acts that are applicable to the Work to be performed;
.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of the Contractor's employees;
.3 Claims for damages because of bodily injury, sickness or disease, or death of any person other than the Contractor's employees;
.4 Claims for damages insured by usual personal injury liability coverage;
.5 Claims for damages, other than to the Work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom;
.6 Claims for damages because of bodily injury, death of a person or property damage arising out of ownership, maintenance or use of a motor vehicle;
.7 Claims for bodily injury or property damage arising out of completed operations, which coverage shall be maintained for no less than four (4) years following final payment; and
.8 Claims involving contractual liability insurance applicable to the Contractor's obligations under Section 3.18.

§ 11.1.2 The insurance required by Section 11.1.1 shall be written for not less than limits of liability specified in the Agreement or the Contract Documents. Coverages, whether written on an occurrence or claims-made basis, shall be maintained without interruption from the date of commencement of the Work until the date of final payment and termination of any coverage required to be maintained after final payment, and, with respect to the Contractor's completed operations coverage, until the expiration of the

period for correction of Work or for such other period for maintenance of completed operations coverage as specified in the Contract Documents.

§ 11.1.3 Unless otherwise provided, copies of the insurance policies, in form acceptable to the Owner, shall provided to Owner within 30 days of Owner's request. Except as otherwise provided, all of the policies provided shall name Owner as an additional insured, and such policies shall immediately deliver to Owner copies of all such insurance policies, together with certificates by the insurer evidencing Owner's coverage there under. Each policy of insurance obtained by Contractor pursuant to the Contract Documents shall provide, by endorsement or otherwise (i) that such policy shall not be canceled, endorsed, altered or reissued to effect a change in coverage for any reason or to any extent whatsoever unless the insurer shall have first given Owner and Lender at least thirty (30) days prior written notice thereof, and (ii) that Owner may, but shall not be obligated to, make premium payments to prevent the cancellation, endorsement, alteration or reissuance of such policy and such payments shall be accepted by the insurer to prevent the same. Such policies shall provide, by endorsement or otherwise, that Contractor shall be solely responsible for the payment of all premiums under the policies, and that Owner shall have no obligation for the payment thereof, notwithstanding that Owner is named as additional insured under the policy. Any insured loss or claim of loss shall be adjusted to the Owner, and any settlement payments shall be made payable to the Owner as a trustee for the insureds, as their interests may appear. Upon the occurrence of an insured loss or claim of loss, monies received will be held by Owner who shall make distribution in accordance with an agreement to be reached in such event between Owner and Contractor. If the parties are unable to agree between themselves on the settlement of the loss, such dispute shall be resolved in accordance with section 15, below, but the Work of the Project shall nevertheless progress during any such period of dispute without prejudice to the rights of any party to the dispute. The Contractor shall be responsible for any loss within the deductible area of the policy. If Owner is damaged by the failure of Contractor to purchase or maintain such insurance, then Contractor shall bear all costs properly attributable thereto. The Contractor shall affect and maintain similar property insurance on portions of the Work stored off the site or in transit when such portions of the Work are to be included. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until Final Completion of the Project.

§ 11.1.4 The Contractor shall cause the commercial liability coverage required by the Contract Documents to include (1) the Owner as additional insureds for claims caused in whole or in part by the Contractor's negligent acts or omissions during the Contractor's operations; and (2) the Owner as an additional insured for claims caused in whole or in part by the Contractor's negligent acts or omissions during the Contractor's completed operations.

§ 11.2 OWNER'S LIABILITY INSURANCE
The Owner shall be responsible for purchasing and maintaining the Owner's usual liability insurance.

§ 11.3 PROPERTY INSURANCE
§ 11.3.1 Unless otherwise provided in the Contract Documents, the Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located, property insurance written on a builder's risk "all-risk" or equivalent policy form in the amount of the initial Contract Sum, plus value of subsequent Contract Modifications and cost of materials supplied or installed by others, comprising total value for the entire Project at the site on a replacement cost basis without optional deductibles. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made as provided in Section 9.10 or until no person or entity other than the Owner has an insurable interest in the property required by this Section 11.3 to be covered, whichever is later. This insurance shall include interests of the Owner, the Contractor, Subcontractors and Sub-subcontractors in the Project.

§ 11.3.1.1 Property insurance shall be on an "all-risk" or equivalent policy form and shall include, without limitation, insurance against the perils of fire (with extended coverage) and physical loss or damage including, without duplication of coverage, theft, vandalism, malicious mischief, collapse, earthquake,

flood, windstorm, falsework, testing and startup, temporary buildings and debris removal including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for Architect's and Contractor's services and expenses required as a result of such insured loss as well as coverage for building materials while in transit or building materials suitably stored at a temporary location. Property insurance provided by the Contractor shall not cover any tools, apparatus, machinery, scaffolding, hoists, forms, staging, shoring, and other similar items commonly referred to as construction equipment that may be on the site and the capital value of which is not included in the Work. The Contractor shall make its own arrangements for any insurance it may require on such construction equipment. Any such policy obtained by the Contractor under this Section 11.3.1 shall include a waiver of subrogation in accordance with the requirements of Section 11.3.4.

§ 11.3.1.2 If the Contractor does not intend to purchase such property insurance required by the Contract and with all of the coverages in the amount described above, the Contractor shall so inform the Owner in writing prior to commencement of the Work. If the Owner is damaged by the failure or neglect of the Contractor to purchase or maintain insurance as described above, without so notifying the Owner in writing, then the Contractor shall bear all reasonable costs properly attributable thereto.

§ 11.3.1.3 Contractor shall be responsible for any deductibles to the extent that the loss arose out of or was cause by Contractor's negligence or breach of the Agreement.

§ 11.3.1.4 This property insurance shall cover portions of the Work stored off the site, and also portions of the Work in transit.

§ 11.3.1.5 Partial occupancy or use in accordance with Section 9.9 shall not commence until the insurance company or companies providing property insurance have consented to such partial occupancy or use by endorsement or otherwise. The Owner and the Contractor shall take reasonable steps to obtain consent of the insurance company or companies and shall, without mutual written consent, take no action with respect to partial occupancy or use that would cause cancellation, lapse or reduction of insurance.

§ 11.3.4 WAIVERS OF SUBROGATION
The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents and employees, each of the other, and (2) the Architect, Architect's consultants, separate contractors described in Article 6, if any, and any of their subcontractors, sub-subcontractors, agents and employees, for damages caused by fire or other causes of loss to the extent of actual recovery of any insurance proceeds under any property insurance obtained pursuant to this Section 11.3 or other property insurance applicable to the Work, except such rights as they have to proceeds of such insurance. However, this waiver shall not apply to property insurance purchased by Owner after completion of the Work or Final Payment, whichever comes first. The Owner or Contractor, as appropriate, shall require of the Architect, Architect's consultants, separate contractors described in Article 6, if any, and the subcontractors, sub-subcontractors, agents and employees of any of them, by appropriate agreements, written where legally required for validity, similar waivers each in favor of other parties enumerated herein. The policies shall provide such waivers of subrogation by endorsement or otherwise. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, did not pay the insurance premium directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged.

§ 11.3.5 A loss insured under the property insurance shall be adjusted in good faith and made payable to the Owner in good faith for the insureds, as their interests may appear. The Contractor shall pay Subcontractors their just shares of insurance proceeds received by the Contractor, and by appropriate agreements, written where legally required for validity, shall require Subcontractors to make payments to their Sub-subcontractors in similar manner.

§ 11.4 BONDS
§ 11.4.1 The Contractor is required to tender to Owner, prior to commencing the Work, performance and payment bonds, as required by law. In the event Contractor fails to provide such bonds within the time

provided by the Agreement, Owner may immediately, upon notice of such failure, or within a reasonable time thereafter, at its sole option and discretion: (1) void this Agreement in its entirety; or (2) procure such bonds on behalf of the Contractor, deducting such amounts from the Contract Price. In the event Owner voids the Agreement under this section, Contractor may forfeit its bid bond.

§ 11.4.2 A Performance Bond is required if the Contract Price is in excess of $50,000. The performance bond is solely for the protection of the Owner, in the full amount of the Contract Price and conditioned on the faithful performance of the Work in accordance with the Contract Documents. The form of the bond shall be approved by the Owner.

§ 11.4.3 A Payment Bond is required if the Contract Price is in excess of $25,000. A payment bond is payable to the Owner, in the full amount of the Contract Price and solely for the protection and use of payment bond beneficiaries who have a direct contractual relationship with the Contractor or a supplier of required materials or labor. The form of bond shall be approved by the Owner.

§ 11.4.4 Warranty Bond. Upon Substantial Completion and prior to final completion and final payment, Contractor shall provide Owner with a Warranty Bond in the sum of 10% of the Contact Price or 10% of the Guaranteed Maximum Price for Construction Manager-At-Risk Agreements for the entire warranty period set out in the Contract Documents. The form of bond shall be approved by the Owner.

§ 11.4.5 Corporate sureties authorized to issue bonds shall be qualified and comply with relevant provisions of the Texas Insurance Code.

§ 11.4.6 Each bond shall be executed by a corporate surety or sureties authorized to do business in the State of Texas and acceptable to the Owner. If any bond is for more than 10 percent of the surety's capital and surplus, the Owner may require certification that the company has reinsured the excess portion with one or more reinsurers authorized, accredited, or trusteed to do business in the State. A reinsurer may not reinsure for more than 10 percent of its capital and surplus. If a surety upon a bond loses its authority to do business in the State, the Contractor shall within thirty (30) days after such loss furnish a replacement bond at no added cost to the Owner.

§ 11.4.7 Each bond shall be accompanied by a valid Power-of-Attorney (issued by the surety company and attached, signed and sealed with the corporate embosses seal, to the bond) authorizing the attorney in fact who signs the bond to commit the company to the terms of the bond, and stating any limit in the amount for which the attorney can issue a single bond.

§ 11.4.8 The process of requiring and accepting bonds and making claims thereunder shall be conducted in compliance with Chapter 2253, Texas Government Code. If for any reason a statutory payment or performance bond is not honored by the surety, the Contractor shall fully indemnify and hold the Owner harmless of and from any costs, losses, obligations or liabilities it incurs as a result.

§ 11.4.9 Owner shall furnish certified copies of a payment bond and the related Agreement between Owner and Contractor to any qualified person seeking copies who complies with §2253.026, Texas Government Code.

§ 11.4.10 Claims on Payment Bonds. Claims on payment bonds must be sent directly to the Contractor and its surety in accordance with § 2253.041, Texas Government Code. All Payment Bond claimants are cautioned that no lien exists on the funds unpaid to the Contractor on such contract, and that reliance on notices sent to the Owner may result in loss of their rights against the Contractor and/or its surety. The Owner is not responsible in any manner to a claimant for collection of unpaid bills, and accepts no such responsibility because of any representation by any agent or employee.

§ 11.4.11 Payment Claims when Payment Bond not Required. When the value of the Agreement between Owner and the Contractor is less than $25,000.00, claimants and their rights are governed by Texas Property Code, §§ 53.231 – 53.239. These provisions set out the requirements for filing a valid

lien on funds unpaid to the Contractor as of the time of filing the claim, actions necessary to release the lien and satisfaction of such claims.

§11.4.12 Sureties shall be listed on the Department of the Treasury's Listing of Approved Sureties stating companies holding Certificates of Authority as acceptable sureties on Federal Bonds and acceptable reinsuring companies (Department Circular 570).

§ 11.5 GENERAL REQUIREMENTS
§ 11.5.1 Unless otherwise provided in the Contract Documents, all insurance coverage procured by the Contractor shall be provided by insurance companies having policy holder ratings no lower than "A" and financial ratings not lower than "XII" in the Best's Insurance Guide, the latest edition in effect as of the date of the Contract, and subsequently in effect at the time of renewal of any policies required by the Contract Documents.

§ 11.5.2 If the Owner is damaged by failure of the Contractor to purchase or maintain insurance required under Article 11, then the Contractor shall bear all reasonable costs (including attorneys' fees and court and settlement expenses) properly attributable thereto.

ARTICLE 12 UNCOVERING AND CORRECTION OF WORK
§ 12.1 UNCOVERING OF WORK
§ 12.1.1 If a portion of the Work is covered contrary to the Owner or Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Owner or Architect, be uncovered for examination and be replaced at the Contractor's expense without change in the Contract Time. If prior to the date of Substantial Completion the Contractor, a Subcontractor, or anyone for whom either is responsible uses or damages any portion of the Work (other than start-up), including, without limitation, mechanical, electrical, plumbing, and other building systems, machinery, equipment, or other mechanical device, the Contractor shall cause such item to be restored to "like new" condition at no expense to the Owner.

§ 12.1.2 If a portion of the Work has been covered that the Owner or Architect has not specifically requested to examine prior to its being covered, the Owner or Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be at the Owner's expense. If such Work is not in accordance with the Contract Documents, such costs and the cost of correction shall be at the Contractor's expense unless the condition was caused by the Owner or a separate contractor in which event the Owner shall be responsible for payment of such costs.

§ 12.2 CORRECTION OF WORK
§ 12.2.1 The Contractor shall promptly correct Work rejected by the Owner or Architect or failing to conform to the requirements of the Contract Documents, whether discovered before or after Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's expense.

§ 12.2.2 AFTER SUBSTANTIAL COMPLETION
§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of an applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of written notice from the Owner to do so. The Owner shall give such notice promptly after discovery of the condition. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may, without prejudice to any other remedies, correct it in accordance with Section 2.4 or file a claim with the surety of any applicable warranty bond.

§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction, whether completed or partially completed, of the Owner or separate contractors caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

§ 12.3 ACCEPTANCE OF NONCONFORMING WORK
If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 13 MISCELLANEOUS PROVISIONS
§ 13.1 GOVERNING LAW
The Contract shall be governed by the law of Williamson County, Texas.

§ 13.2 SUCCESSORS AND ASSIGNS
§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns and legal representatives to covenants, agreements and obligations contained in the Contract Documents. Except as provided in the Contract Documents or by law, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.3 WRITTEN NOTICE
Written notice shall be deemed to have been duly served if delivered in person to the individual, to a member of the firm or entity, or to an officer of the corporation for which it was intended; or if delivered at, or sent by registered or certified mail or by courier service providing proof of delivery to, the last business address known to the party giving notice.

§ 13.4 RIGHTS AND REMEDIES
§ 13.4.1 Except as expressly provided in the Contract Documents, duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available by law.

§ 13.4.2 No action or failure to act by the Owner, Architect or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach there under, except as may be specifically agreed in writing.

§ 13.5 TESTS AND INSPECTIONS
§ 13.5.1 Tests, inspections and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules and regulations or lawful

orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority. The Contractor shall give the Owner and Architect timely notice of when and where tests and inspections are to be made so that the Owner and Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals where building codes or applicable laws or regulations prohibit the Owner from delegating their cost to the Contractor.

§ 13.5.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection or approval not included under Section 13.5.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection or approval by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Owner and Architect of when and where tests and inspections are to be made so that the Owner and Architect may be present for such procedures.

§ 13.5.3 If such procedures for testing, inspection or approval under Sections 13.5.1 and 13.5.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure including those of repeated procedures and compensation for the Architect's services and expenses shall be at the Contractor's expense. The Contractor also agrees the cost of testing services related to remedial operations performed to correct deficiencies in the Work, shall be borne by the Contractor.

§ 13.5.4 Required certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Owner and Architect.

§ 13.5.5 If the Architect is to observe tests, inspections or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

§ 13.5.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 13.6 INTEREST
The rate of interest that accrues on an overdue payment is the rate in effect on September 1 of the fiscal year in which the payment becomes overdue. The rate in effect on September 1 is equal to the sum of:
(1) one percent; and
(2) the prime rate as 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 pursuant to §2251.025 of the Texas Government Code.

§ 13.7 TIME LIMITS ON CLAIMS
The Owner and Contractor shall commence all claims and causes of action, whether in contract, tort, breach of warranty or otherwise, against the other arising out of or related to the Contract in accordance with the time limits provided by law. Nothing herein shall be construed as shortening the period of time Owner has for commencing claims to less than what is required by law.

§ 13.8 Application To Subcontracts
Any specific requirement in this Contract that the responsibilities or obligations of Contractor also apply to a Subcontractor is added for emphasis and are also hereby deemed to include a Subcontractor of any tier. The omission of a reference to a Subcontractor in connection with any of Contractor's responsibilities or obligations shall not be construed to diminish, abrogate or limit any responsibilities or obligations of a Subcontractor of any tier under the Contract Documents or the applicable subcontract.

§ 13.10 GENERAL PROVISIONS
§ 13.10.1 All personal pronouns used in this Contract, whether used in the masculine, feminine, or neuter gender, shall include all other genders; and the singular shall included the plural and vice versa. Titles of articles, sections, and subsections are for convenience only and neither limit nor amplify the provisions of this Contract. The use herein of the word "including," when following any general statement, term, or matter, shall not be construed to limit such statement, term, or matter to the specific items or matters set

forth immediately following such word or to similar items or matters, whether or not non-limiting language (such words as "without limitation," or "but not limited to," or words of similar import) is used with reference thereto, but rather shall be deemed to refer to all other items or matters that could reasonably fall within the broadest possible scope of such general statement, term, or matter.

§ 13.10.2 Wherever possible, each provision of this Agreement shall be interpreted in a manner as to be effective and valid under applicable law. If, however, any provision of this Agreement, or portion thereof, is prohibited by law or found invalid under any law, only such provision or portion thereof shall be ineffective, without in any manner invalidating or affecting the remaining provisions of this Agreement or valid portions of such provision, which are hereby deemed servable.

§ 13.11 NO ORAL WAIVER
The Provisions of the Contract Documents shall not be changed, amended, waived, or otherwise modified in any respect except by a writing signed by Owner. No person is authorized on behalf of Owner to orally change, amend, waive, or otherwise modify the terms of the Contract Documents or any of the Contractor's duties or obligations under or arising out of the Contract Documents. Any change, waiver, approval, or consent granted to the Contractor shall be limited to the specific matters stated in the writing signed by Owner, and shall not relieve Contractor of any other of the duties and obligations under the Contract Documents. No "constructive" changes shall be allowed.

§ 13.12 Texas Public Information Act. To the extent, if any, that any provision in the Contract Documents 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 Owner, 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 information or data furnished to Owner whether or not the same are available to the public. It is further understood that Owner, its officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Owner, its officers and employees shall have no liability or obligation to Contractor for the disclosure to the public, or to any person or persons, of any software or a part thereof, or other items or data furnished to Owner by Contractor in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

§ 13.13 Equal Opportunity in Employment. The Contractor agrees that during the performance of the Agreement it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Parties 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 14 TERMINATION OR SUSPENSION OF THE CONTRACT
§ 14.1 TERMINATION BY THE CONTRACTOR
§ 14.1.1 The Contractor may terminate the Contract if the Work is stopped for a period of 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 Contractor, for any of the following reasons:

.1 Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;

.2 An act of government, such as a declaration of national emergency that requires all Work to be stopped; or

.3 Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on an undisputed Certificate for Payment within the time stated in the Contract Documents.

§ 14.1.2 The Contractor may terminate the Contract if, 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 Contractor, repeated suspensions, delays or interruptions of the entire Work by the Owner as described in Section 14.3 constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon 30 days' written notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, including reasonable overhead and profit, costs incurred by reason of such termination, and damages.

§ 14.2 TERMINATION BY THE OWNER FOR CAUSE

§ 14.2.1 The Owner may terminate the Contract if the Contractor

.1 fails to commence the Work in accordance with the provisions of this Contract,

.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 Contract,

.3 fails to use an adequate amount or quality of personnel or equipment to complete the Work without undue delay,

.4 fails to perform any of its obligations under the Contract,

.5 fails to make prompt payments when due to its Subcontractors and Suppliers, or as required by Texas Government Code 2251,

.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,

.7 creates any situation or state of facts which would authorize or permit an involuntary petition in bankruptcy to be filed against Contractor, or

.8 has not met or in Owner's opinion will not meet the dates of Substantial Completion set forth in the Contract Documents.

§ 14.2.2 When any of the above reasons 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, 30 days' written notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

.1 Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;

.2 Accept assignment of subcontracts pursuant to Section 5.4; and

.3 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.

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished. In the event that a final decision under section 15, below, is rendered that sufficient cause did not exist for termination under this section 14.2, then the termination shall be considered a termination for convenience, under section 14.4, below.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and 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.

§ 14.3 SUSPENSION BY THE OWNER FOR CONVENIENCE

§ 14.3.1 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.

§ 14.3.2 The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay or interruption as described in Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

.1 that performance is, was or would have been so suspended, delayed or interrupted by another cause for which the Contractor is responsible; or

.2 that an equitable adjustment is made or denied under another provision of the Contract.

§ 14.4 TERMINATION BY THE OWNER FOR CONVENIENCE

§ 14.4.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of written notice from the Owner of such termination for the Owner's convenience, the Contractor shall

.1 cease operations as directed by the Owner in the notice;

.2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and

.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.

§ 14.4.3 Upon such termination, the Contractor shall recover the amounts provided in Section 10.1.3 of the Agreement.

ARTICLE 15 CLAIMS AND DISPUTES

§ 15.1 CLAIMS

§ 15.1.1 DEFINITION

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim.

§ 15.1.2 NOTICE OF CLAIMS

Claims for events arising during the performance of the Work by Contractor must be initiated by written notice to the other party with a copy sent to the Architect; provided, however, that the claimant shall use its best efforts to furnish the other party, as expeditiously as possible, with notice of any Claim including, without limitation, those in connection with concealed or unknown conditions, once such claim is recognized, and shall take steps to mitigate the alleged or potential damages, delay, or other adverse consequences arising out of the condition that is the cause of such a Claim. Claims by Contractor must be initiated within 10 business days after occurrence of the event giving rise to such Claim or within 10 business days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. Claims may also be reserved in writing within the time limits set forth in this Section 15.1.2. Any notice of Claim or reservation of Claim must clearly identify the alleged cause and the nature of the Claim and include data and information available to the claimant that will facilitate prompt verification and evaluation of the Claim.

§ 15.1.3 CONTINUING CONTRACT PERFORMANCE

Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents. The Architect will prepare Change Orders and issue Certificates for Payment in accordance with the Contract Documents.

§ 15.1.4 CLAIMS FOR ADDITIONAL COST
If the Contractor wishes to make a Claim for an increase in the Contract Sum, written notice as provided herein shall be given before proceeding to execute the Work. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 15.1.5 CLAIMS FOR ADDITIONAL TIME
§ 15.1.5.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, written notice as provided herein shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.5.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated and had an adverse effect on the scheduled construction.

§ 15.3 MEDIATION
§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract except those waived shall be subject to mediation as a condition precedent to seeking redress in a court of competent jurisdiction.

§ 15.3.2 The parties shall endeavor to resolve their Claims by mediation, which shall consist of a single mediator who is knowledgeable about the subject matter of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract.

§ 15.3.3 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in Williamson County, Texas. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§15.3.4 All disputes not resolved through mediation shall be decided in litigation in Williamson County, Texas.

§ 15.3.5 No waiver of Immunity. Nothing in the Contract Documents shall be deemed to waive, modify or amend any legal defense available at law or in equity to Owner, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Owner 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.

PROPOSAL AFFIDAVIT

This form must be completed, signed, notarized and returned with Proposal package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit

The undersigned certifies that the RFSCP 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 RFSCP.

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."

Name of Respondent:	
Address of Respondent:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Proposal will in no way have a negative impact on the County's evaluation of the Proposal.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

***If no box is checked, the Respondent agrees to make best efforts in good faith to offer the quoted prices to all authorized entities. ***

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Respondent*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Respondent*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person doing business with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.**

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.**

4 **Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.**

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ
Page 2

5 **Name of local government officer with whom filer has affiliation or business relationship.**
(Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire?

☐ Yes ☐ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local governmental entity?

☐ Yes ☐ No

C. Is the filer of this questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☐ No

D. Describe each affiliation or business relationship.

6. Describe any other affiliation or business relationship that might cause conflict of interest:

7

Signature of person doing business with the governmental entity	Date

Signature not required if completing in BIDSYNC electronically.

Proposal References

List the last three (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this RFP package, were recently provided by Respondent.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Question and Answers for Bid #1801-210 - RV Park Williamson County Expo - Phase II Development

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **48.**

Meeting Date: 02/06/2018

Awarding RFP 1710-200 9-1-1 Consulting

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on awarding RFP # 1710-200 for 9-1-1 Consulting to the best overall respondent Mission Critical Partners, LLC. and authorizing execution of the service contract.

Background

Purchasing solicited sealed proposals for 9-1-1 Consulting Services. At the end of the solicitation period, we received 5 responsive proposals from the 100+ invitations sent out with 120 viewed by potential proposers. After initial evaluation by the selected evaluation committee, 4 vendors were brought in for interviews. The interviews were held before the evaluation committee after which the committee voted and decided unanimously to award the contract to Mission Critical Partners. This contract will be in the amount of $71,328.00 to be funded from 01.0100.0409.004100 in which $100,000.00 was budgeted in FY18 for these services.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Contract

Recommendation Letter

Evaluation Sheet

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	01/31/2018 05:03 PM
County Judge Exec Asst.	Wendy Coco	02/01/2018 08:49 AM
Form Started By: Thomas Skiles		Started On: 01/30/2018 09:08 AM
Final Approval Date: 02/01/2018		

THE STATE OF TEXAS §
COUNTY OF WILLIAMSON §

SERVICES CONTRACT
RFP #1710-200
(9-1-1 Consulting)

THIS CONTRACT is made and entered into by and between **Williamson County, Texas** (hereinafter "The County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **Mission Critical Partners, Inc.**, (hereinafter "MCP"). The County agrees to engage MCP as an independent contractor, to assist in providing certain operational services pursuant to the following terms, conditions, and restrictions:

I.

No Agency Relationship & Indemnification: It is understood and agreed that MCP shall not in any sense be considered a partner or joint venturer with The County, nor shall MCP hold itself out as an agent or official representative of The County unless expressly authorized to do so by a majority of the Williamson County Commissioners Court. MCP shall be considered an independent contractor for the purpose of this agreement and shall in no manner incur any expense or liability on behalf of The County other than what may be expressly allowed under this agreement. 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 MCP or failure to act relating to the services being provided. MCP agrees to indemnify, hold harmless, and defend The County against any claim, demand, loss, injury, damages, action, or liability of any kind against The County resulting from any services MCP perform on behalf of The County.

II.

No Waiver of Sovereign Immunity or Powers: Nothing in this agreement 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.

III.

No Assignment: MCP may not assign this contract.

IV.

Compliance with All Laws: MCP agrees and will comply with any and all local, state or federal requirements with respect to the services rendered.

V.

Consideration and Compensation: MCP will be compensated based on a fixed sum for the specific project herein. The amount of compensation paid to MCP shall be capped and not-to-exceed **$71,328.00** for the specific project. Any vendor reimbursements must comply with the Williamson County Vendor Reimbursement Policy.

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.

VI.

Services: MCP shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. MCP expressly acknowledges that it is not an employee of The County. The services include, but are not limited to the following items in order to complete the project:

As described in the attached Proposal/Statement of Work, dated December 20, 2017, which is marked Exhibit "A" and incorporated herein as if copied in full.

VII.

Entire Contract & Incorporated Documents: 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 (as if copied in full) into this Contract include the following:

1) RFP #1710-200 (9-1-1 Consulting);

2) MCP's Proposal/Statement of Work, dated December 20, 2017, which is marked Exhibit "A"; and

3) Williamson County Vendor Reimbursement Policy.

The County reserves the right and discretion (pursuant to public policy and Texas Constitutional principles) to determine applicable provisions where there is any conflict between this contract and any of the above-referenced contract documents/exhibits or incorporated documents.

VIII.

Good Faith: MCP agrees to act in good faith in the performance of this agreement.

IX.

Ownership and License: MCP retains all ownership and intellectual property rights in techniques, methodology, engineering designs, technology solutions, migration schedules, operational floor layouts, and products (collectively "IP") provided or used by MCP in the performance of services, and any extensions to MCP IP developed in conjunction with the SOW, including but not limited to operating instructions, unique design concepts, development tools, and training materials. MCP grants to County, a perpetual, nonexclusive, nontransferable, worldwide, fully paid up license to use, solely for its own internal business purposes, elements of the Deliverables, which contain MCP IP.

X.

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

XI.

Texas Public Information Act: To the extent, if any, that any provision in this Contract 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 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 information furnished to County as to whether or not the same must be made available to the public. It is further understood that County, its 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 MCP for the disclosure to the public, or to any person or persons, of any items or information furnished to County by MCP in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

XII.

Termination: 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. In the event of termination, The County will only be liable for its pro rata share of services rendered and goods actually received.

XIII.

Mediation: The parties agree to use mediation for dispute resolution prior to and formal legal action being taken on this Contract.

XIV.

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.

XV.

Effective Date and Term: This contract shall be in full force and effect when signed by all parties and shall continue for a reasonable time period for the specific project and shall terminate upon project completion or when terminated pursuant to paragraph XII above.

XVI.

Severability: In case 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, such invalidity, illegality, or unenforceability shall not affect any other provision in this agreement and this agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XVII.

Right to Audit: MCP 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 MCP which are directly pertinent to the services to be performed under this Contract for the purposes of making audits, examinations, excerpts, and transcriptions. MCP agrees that The County shall have access during normal working hours to all necessary MCP 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 MCP thirty (30) days advance written notice of intended audits and such audits shall be limited to once annually.

XVIII.

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 the signatures of all parties in duplicate originals this the _____day of_____, 2018.

WILLIAMSON COUNTY:	MISSION CRITICAL PARTNERS, INC:
_____	_____
Authorized Signature	Authorized Signature

Exhibit “A”



MissionCriticalPartners
Because the Mission Matters

Solicitation 1710-200
9-1-1 Consulting

Proposal

PREPARED DECEMBER 20, 2017
FOR WILLIAMSON COUNTY, TEXAS

A. Transmittal Letter

December 20, 2017

Blake Skiles
Purchasing Specialist III
Williamson County Purchasing Department
Attn: 9-1-1 Consulting, Solicitation 1710-200
901 South Austin Avenue
Georgetown, TX 78626

Re: Solicitation 1710-200 9-1-1 Consulting

Dear Mr. Skiles:

Mission Critical Partners, Inc. (MCP) appreciates the opportunity to provide this proposal to Williamson County (County) for an operational assessment and audit that evaluates the efficiency and effectiveness of the operations of the Williamson County Emergency Communications Department (WCEC).

MCP is a corporation founded on December 29, 2008 under the laws of the Commonwealth of Pennsylvania, and began its business operations on February 2, 2009. MCP is a private, closely-held corporation. Our Federal Employer Identification number is, 26-4026964. MCP has not operated under another name and has no subsidiaries. MCP serves municipal, county, state and federal clients across North America with offices in the following locations:

Corporate Headquarters	Branch Offices	
State College	Dallas Office	Pittsburgh Office
690 Gray's Woods Blvd. Port Matilda, PA 16870 Phone: 888.862.7911 Fax: 814.217.6807 Web: MissionCriticalPartners.com	502 N Carroll Ave. Suite 120 Southlake, TX 76092	105 Bradford Rd. Suite 400 Wexford, PA 15090
	Raleigh Office	Harrisburg Office
	4801 Glenwood Ave. Suite 200 Raleigh, NC 27612	2578 Interstate Dr. Suite 106 Harrisburg, PA 17110

MCP has the necessary staff expertise and capacity to serve Williamson County. Our firm is committed to delighting Williamson County in performing the tasks assigned. We expect to fulfill the assigned tasks on schedule and within the defined budget. MCP confirms that the pricing as outlined on the included Price Sheet is valid for 365 days as per the requirements of the RFP.

No adverse effects on air quality are anticipated for the County as it relates to any state, federal, or voluntary air quality standards.

Mission Critical Partners has identified Rob Sterner, as the point of contact and authorized representative for this proposal response. His contact information follows:

Rob Sterner, Consultant
Mission Critical Partners, Inc.
690 Gray's Woods Blvd.
Port Matilda, PA 16870

Cell: 717.324.7732
Office: 814.753.4387
Fax: 814.217.6807
Email: RobSterner@MissionCriticalPartners.com

As required, we are submitting the proposal in the following formats: one (1) electronic copy submitted via: www.bidsync.com.

I, David F. Jones, Senior Vice President/Principal of Mission Critical Partners, am the authorized representative signing and submitting this proposal on the Company's behalf. My contact information follows:

David F. Jones,
Senior Vice President/Principal
Mission Critical Partners, Inc.
502 N. Carroll Avenue, Suite 120
Southlake, TX 76092

Cell: 864.809.9911
Office: 817.213.6919
Email: DavidJones@MissionCriticalPartners.com

On behalf of our entire team, we stand behind Williamson County to serve as your partner and your advocate.

Sincerely,

Mission Critical Partners, Inc.



David F. Jones
Senior Vice President/Principal

B. Table of Contents

A. Transmittal Letter i
B. Table of Contents iii
C. Executive Summary 1
D. Proposal Response to Criteria 3
Approach and Method for Assessing the Scope Elements 4
Project Understanding 4
Scope of Work 4
Documentation Review and Kickoff Meeting 4
Project Management 5
Data Gathering 5
Data Analysis 7
Organizational Structure 8
Recruiting, Hiring and Initial Education 9
Quality Assurance / Continuing Education 9
Policies and Procedures 10
Call Taking and Radio Dispatching 10
Best Practices and Standards 10
Project Schedule 11
Project Assumptions 11
Deliverables 12
Experience 15
About Mission Critical Partners 15
Project Team 16
Relevant Project Experience 35
Special Provisions / Additional Information 42
E. Price Sheet 47
F. References 49
G. Conflict of Interest Questionnaire 52
H. Certificate of Interested Parties – Form 1295 55
I. Proposal Affidavit 57
J. Sample Contract 61

C. Executive Summary

Summary of Proposed Services

Mission Critical Partners, Inc. (MCP) appreciates the opportunity to provide this proposal for professional consulting services to conduct an Organizational Assessment for Williamson County Emergency Communications (WCEC). MCP is the industry leader in public safety consulting supporting many federal, state, large county and city level projects across the country including the National 911 Program Office and many Texas counties and councils of government.

Our team, led by Texas based principal, David Jones, and project manager, Richard Gaston, has unmatched depth and experience working with public safety agencies as a full service public safety consulting firm. MCP currently has 31 NENA-certified Emergency Number Professionals (ENP), demonstrating advanced knowledge and practical skills in public safety planning and implementation. Additionally, 11 of our staff members have achieved Project Management Institute (PMI) certification as a PMP to execute projects with efficiency and effectiveness for our clients.

We add value to this project because of our understanding how personnel, policies and procedures, financing, management, operations and technology must come together to enhance the level of service being provided to both first responders and citizens. As your partner, we are committed to listening, being responsive, consistent, accountable, and objective and, most of all, innovative. MCP will demonstrate that we understand your challenge, analyze the available data, and then leverage our extensive experience and knowledge to develop actionable recommendations. We will carefully manage project schedule, budget, and quality to ensure that deliverables meet or exceed the WCEC's expectations.

It is understood that the WCEC dedicates substantial resources to continue providing its citizens with excellent public safety service. MCP commends the WCEC and its partner communities for their desire to continually improve and find ways to be even more efficient and effective as it seeks to maintain the highest level of service. The importance of this project to your mission is clear.

The over-arching goal of the assessment is to provide recommendations to assist the WCEC to increase operational efficiency and effectiveness while maintaining a focus on high service levels and the safety of the first responders and its citizens that they serve. Mission Critical Partners has developed a detailed scope of work which outlines our methodology and tasks to address the County's priorities for the assessment.

The following is a summary of tasks to be completed during the assessment:

- Project Kick-off/Project Management – Project Management Institute (PMI) approach to project management, development of assessment plan approach outline, project schedule and bi-weekly updates
- Data collection and Analysis – includes a survey document, interviews of line and supervisory staff, observations of call taking and dispatching methodologies, evaluation of data against industry standards and best practices

- Draft Report and Exit Interview – Multi step process as outlined in the RFP for iterative review of the report draft with the WCEC Director and designated stakeholders providing feedback with MCP incorporating changes and reviewing alternative recommendations
- Final Report and Presentation to Commissioners Court – Final report and presentation focusing on actionable recommendations identifying specific actions to be taken to achieve specific results based upon industry standards and best practices.

At Mission Critical Partners, we see ourselves as an extension of your organization, providing expertise and support to assist you. We will act as your advocate so that you can accomplish your goals and meet your objectives. Our proposed team of operational subject matter experts, technologists, and former public safety practitioners understand the importance of your work and the difficult and challenging environments that you work in.

Choosing Mission Critical Partners as your partner means that you can have greater confidence that you will accomplish your vision with this assessment.

D. Proposal Response to Criteria

Approach and Method for Assessing the Scope Elements

Project Understanding

Mission Critical Partners understands that Williamson County seeks to retain an independent contractor to assess the current organizational structure, operational functions and staffing levels of the Williamson County Emergency Communications Department (WCEC) and make recommendations that will enhance the current operations and accommodate future growth.

Specifically, the County has identified the following priorities for the Assessment:

- Perform a comprehensive organizational assessment of the WCEC's existing structure and current staffing levels
- Assess the organization structure, and duties assigned, based on industry best practices for Public Safety Answering Points
- Assess the effectiveness of staffing levels under current conditions and anticipate future staffing needs based on current growth trends
- Assess the hiring, training, quality assurance processes for telecommunicators and make recommendations for improved efficiencies

Mission Critical Partners has developed a detailed scope of work which outlines our methodology and tasks to address the County's priorities for the assessment.

Scope of Work

Documentation Review and Kickoff Meeting

Mission Critical Partners will conduct a project kick-off meeting with the WCEC Director and designated project team. Our project manager and staff will meet with the County project team and key stakeholders to establish mutual acquaintance, clarify roles, and reach a mutual understanding of the future vision and plans for the assessment. Prior to the meeting, MCP staff will thoroughly review any available documentation or material the County can make available from previous relevant work on the project such as letters, standard operating procedures (SOPs), contracts, as-built documentation, presentation and training material, etc. MCP's project manager will facilitate the meeting and will review:

- Project and task milestones, schedules and deliverables
- Project budget
- Scheduling of interviews with user and stakeholder representatives
- Scheduling progress review meetings (bi-weekly)
- Collection of any existing material and discussion of any other available information on each of the current systems/subsystems

A step-by-step review of the content and preliminary outline of the "Williamson County 9-1-1 Assessment Report" and other deliverables for this phase of the project will be conducted during the project kick-off meeting. Any updates or changes from the initial outline will be documented for mutual-agreement, and to assure that all expectations of the County are addressed in the report.

Project Management

MCP utilizes the Project Management Institute (PMI) framework for managing projects. The framework established by the PMI provides a standardized approach for project execution along with monitoring and controlling a project. MCP will use this framework to tailor the project management approach to meet the needs of the Authority, see Figure 1 for an example of how the project will be managed applying the PMI framework.

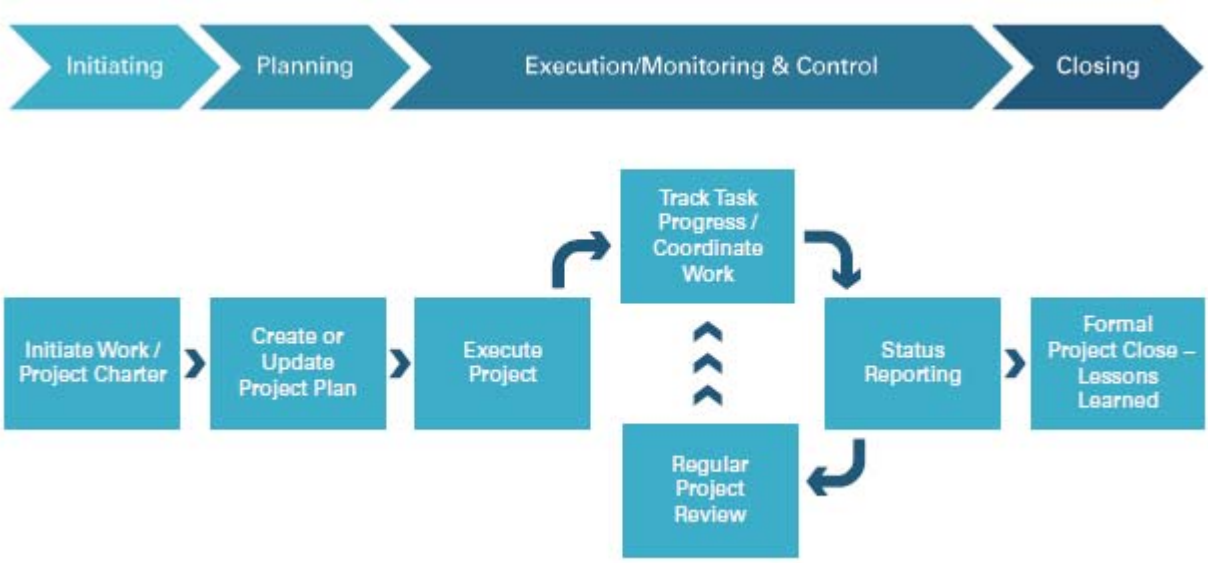


Figure 1: PMI Framework Application

Deliverables:

- Kickoff meeting minutes
- Bi-weekly project update calls and minutes

Data Gathering

In conjunction with the kickoff meeting on-site, MCP will work with the County to schedule initial data gathering meetings. MCP anticipates two days on-site to complete project kickoff, data gathering and observations. The consulting team will conduct interviews to benchmark the current state of conditions of all aspects of the WCEC's services and define the desired state from the perspective of each defined employee. This individual interview approach promotes a unique perspective by meeting with the diverse, highly-qualified consultants embedded in the consulting team.

The interviews are conducted in a manner that promotes forthrightness and balance. The interviews are structured to identify strengths and weaknesses of the current organization, employees, systems, processes, command structure and workflow. The consulting team will follow a formatted questionnaire to

ensure relevant information is captured. At the same time, the team will ensure appropriate follow-up sessions are held to ascertain the underlying issues identified in the initial interviews. Data gathering will be offered to include a survey, conference call follow-ups and interviews, as needed.

MCP anticipates interviewing the following stakeholders:

- Senior 9-1-1 Management Staff
- Systems Administrators
- 9-1-1 Shift Supervisor(s)
- Sampling of 9-1-1 Telecommunicators
- At the discretion of the Director, members of their user group (police, fire and EMS) are also interviewed to determine their perspective(s) as they relate to services provided by the WCEC

Data gathering will include, but may not be limited to:

- Review of prior staffing analysis reports
- Policies and procedures
- Personnel
- Oversight
- External support provided to other agencies, if applicable
- Recruitment and training
- Disaster recovery plan procedures

Mission Critical Partners will provide the WCEC the additional data sets that are needed for discussion at or prior to the kick-off meeting. Although they will be finalized prior to project kickoff, some data areas that may be candidates for collection include:

- Job descriptions
- Turnover rates
- Emergency and non-emergency call volumes and processing times
- Number of ten-digit administrative calls
- Incident volumes including events generated from the field
- Personnel leave data
- Mobile data system currently being utilized
- Structured protocols currently in use
- External interfaces (e.g. CAD-CAD, automated alarms, NCIC[1])
- Division of duties and responsibilities
- Supervision, schedules
- Training and certification
- Shift differentials
- Busy hour/demand data
- Ancillary tasks such as warrant entry and other duties
- Call characteristics

[1] National Crime Information Center

- Adopted national standards

Data Analysis

During this task MCP will analyze the current organizational structure, reporting relationships, dissemination of information (internal communications system) recruitment, selection, employee orientation or onboarding, training, performance reviews/feedback, employee compensation, benefits, internal communications, and an assessment of the effectiveness of current leadership.

MCP will also evaluate staffing patterns and scheduling associated with 9-1-1 call taking, call processing and dispatch. The analysis will include minimum staffing levels by time of day and day of week, current and historical staffing levels, workload factors such as current and projected emergency and non-emergency call processing and dispatching.

Emergency communications centers throughout the country adopt and utilize industry standards and best practices to ensure the effectiveness of the center and to ensure optimal service is provided to citizens and first responders alike. Measurable standards create an objective view of 9-1-1 operations and provide for consistent interactions with the public and first responders.

Operational standards and best practices most often used in 9-1-1 communications centers are from the National Emergency Number Association (NENA) and the Association of Public-Safety Communications Officials-International (APCO). Also, utilized often are the National Fire Protection Association (NFPA) standards, specifically NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems*; as well as NFPA 1061, *Professional Qualifications for Public Safety Telecommunications Personnel*; and standards from the Commission on Accreditation for Law Enforcement Agencies (CALEA), particularly *Standards for Public Safety Communications Agencies*. NENA, APCO, and NFPA are each an American National Standards Institute (ANSI) accredited standards development organization (SDO).

Mission Critical Partners will utilize the standards mentioned above along with our experience and knowledge to ensure that the County is operating and functioning according to industry standards and current best practices.

To verify appropriate staffing and/or determine staffing needs, call centers and emergency communication centers use calculations based on call volume and workload. APCO and NENA, industry leaders in the emergency communications arena, have developed tools based on the Erlang C[2] calculator, coupled with statistical calculations that take into consideration other PSAP data (e.g., leave usage). PSAP data is measured and used as a basis for projecting the number of call taking, dispatch and supervisory staff required to handle call and incident volumes adequately.

Mission Critical Partners uses a NENA staffing tool, coupled with Erlang C calculations and experience in the industry, to project and analyze staffing requirements. The staffing tool, partially based on NENA

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[2] The Erlang C calculator is a tool in the public safety industry utilized to assist emergency communications centers in determining call taker staffing needs.

Standard 54-501A, is a formalized system that takes into account call volume and other PSAP-specific data, such as incident volume and leave, to calculate staffing needs. Available work hours, utilization, and turnover rates are calculated and used with call and incident data to determine baseline staffing requirements. MCP then analyzes the data with the recommended configuration to project staffing. The resultant staffing projections are highly dependent upon the accuracy of the data and statistics provided by the agency being studied. We are certain that the City can and will provide the data needed to calculate accurate staffing needs.

Organizational Structure

MCP is frequently contracted to analyze organizational structure. As a part of the analysis and recommendations for Williamson County, MCP will focus on:

- Reporting relationships
- Dissemination of information (internal communications system)
- Recruitment and selection
- Employee orientation or onboarding
- Training
- Performance reviews/feedback
- Employee compensation and benefits (if desired)
- Internal communications
- Effectiveness of current leadership structure with regard to chain of command, division of labor, and span of control

MCP evaluates staffing patterns and scheduling associated with 9-1-1 call taking, call processing and dispatch. The analysis includes minimum staffing levels by time of day and day of week, current and historical staffing levels, workload factors such as current and projected emergency and non-emergency call processing and dispatching.

Personnel

Human resources are the most critical component to every public safety organization. MCP will document the existing business practices, organizational structure, and workloads of 9-1-1 call takers and dispatchers, system administrators and technology support staff, supervisory and administrative support staff. Analysis will be completed based upon our experience, industry standards and the impact of NG9-1-1 and FirstNET, to evaluate if current staffing levels, skill sets, and structure are adequate to most efficiently and effectively meet the current and future needs of the organization. Our recommendations will include suggested staffing levels, business practice modifications, and additional positions to perform functions not currently being met. Succession planning and leadership development will also be addressed from a strategic view as the organization plans for future changes to technology and growth.

Oversight

As a component of the personnel and policies and procedures analysis MCP will document and evaluate the current supervisory structure in place. The evaluation will focus on the effectiveness of the current

structure to support the current and future mission of the organization. Alternatives to the methods of oversight will be identified based on industry best practices and our project experience.

Recruiting, Hiring and Initial Education

PSAPs across the nation are finding it difficult to attract and retain telecommunicators, which leads to a constant on-boarding and training process which is a strain on resources and is costly. MCP will analyze the recruiting, hiring, and retention processes. Understanding there may be limitations by policy, the report may provide justification for modification of those and other policies that may be unintentionally hindering success. The report will also include all the survey data so that any recommendations based on the data can be verified by the HR pre-employment testing staff. These recommendations will bring industry standards to bear and will be based on the company's knowledge of best practices.

As a result of the data gathering process MCP expects to have sufficient information to formulate recommendations for improvement – where warranted – in the following areas of interest. These areas of interest can significantly impact both new hires and the retention of the existing workforce:

- Pre-hire screening tests, their overall value for identifying top candidates and recommended standards (i.e. cutoff scores or baselines) for each test
- Improvements to the overall recruiting process, including the optimum timing for postings and recruiting
- Strategy for marketing to reach a broader pool of candidates
- Strategy for improving the performance and retention of new hires
- Structure of the WCEC training
- Comparison of hiring and retention success stories in similar sized PSAPs

Quality Assurance / Continuing Education

MCP will review existing quality assurance procedures and continuing education programs and then linkage between QA standards and training. Requirements may emerge from that input, often related to existing challenges and areas that require operational improvements. Once challenges and requirements are identified, strategies to fill those needs are developed and incorporated into the proposed enhancements to training curriculum.

As part of the quality assurance and continuing education analysis, MCP will:

- Review the current QA process and continuing education and compare with national training standards to determine any areas of deficiencies
- Review continuing education requirements with certification requirements and provide recommendations for continuing education topics consistent with national standards and emerging industry trends
- Look at current instructional and evaluation methodologies for initial and continuing education to ensure criteria required by the State and any proposed certification body can be measurably accounted for
- Present alternate training methods as appropriate to include incorporation of existing or newly created courses

Deliverables:

- A baseline report summarizing current training/promotional practices and current funding structure
- Updated training curriculum for telecommunicator certification
- New training curriculum identified by source (e.g. internal, community college, etc.) and recommended qualifications for PSAP supervisors, managers and district directors
- Draft and final recommendations report

Policies and Procedures

MCP has extensive experience evaluating operating procedures at the state, county, and city level and will apply this knowledge base during the analysis of existing policies and procedures of WCEC. Policies, procedures and guidelines will be evaluated to determine if they are sufficient to meet the current and future needs of the WCEC and if they are being followed by the organization. Mission Critical Partners will determine if the policies and procedures in place are comprehensive enough for both the size and mission of the organization.

Call Taking and Radio Dispatching

A key component of the data collection phase will be interviews with line and supervisory staff as well as observations of the call taking and dispatching methods utilized on all shifts. MCP will evaluate current call processing and provide recommendations for business practice changes that will result in greater effectiveness and efficiency. The goal of the County to increase efficiency while maintaining a high level of service will be paramount when making recommendations. While not a key component of the assessment, MCP will also evaluate technology limitations that may be impacting both current and future operations.

Best Practices and Standards

Emergency communications centers throughout the country adopt and utilize industry standards and best practices to ensure the effectiveness of the center and to ensure optimal service is provided to citizens and first responders alike. Measurable standards create an objective view of 9-1-1 operations and provide for consistent interactions with the public and first responders.

Operational standards and best practices most often used in 9-1-1 communications centers are from the National Emergency Number Association (NENA) and the Association of Public-Safety Communications Officials-International (APCO). Also, utilized often are the National Fire Protection Association (NFPA) standards, specifically NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems*; as well as NFPA 1061, *Professional Qualifications for Public Safety Telecommunications Personnel*; and standards from the Commission on Accreditation for Law Enforcement Agencies (CALEA), particularly *Standards for Public Safety Communications Agencies*. NENA, APCO, and NFPA are each an American National Standards Institute (ANSI) accredited standards development organization (SDO).

Mission Critical Partners utilizes the standards mentioned above along with our experience and knowledge to ensure that our clients are operating and functioning according to industry standards and current best practices.

Project Schedule

Table 1: Project Schedule

Task	Start	End	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018
Kick-off/ Data Gathering and Analysis	1/26/2018	3/5/2018					
Draft Report/Exit Conference	3/5/2018	4/23/2018					
Final Report/Presentation	4/23/2018	5/18/2018					

Project Assumptions

MCP has provided an estimated project schedule and will develop a detailed project schedule for review and modification at the kickoff meeting. Estimates in Table 1 above are based upon our prior project experience and the following assumptions:

- The MCP team proposes to be on-site over a three-consecutive day period to conduct project kickoff, data collection, and conduct user interviews and observations
- The MCP project manager will provide bi-weekly monthly status updates
- MCP will submit an initial draft report in electronic (Word) format, to be delivered to the Williamson County Director of Emergency Communications for review and approval
- MCP will attend an exit conference within 10 business days of submission of the draft report
- MCP will provide a revised draft for distribution to the department within 10 business days after the exit conference
- A review of the draft report will be provided to MCP within 10 business days with written communication of any necessary modifications or corrections required. The County will provide any additional written comments to the final draft report recommendations for incorporation into the final report within 10 business days.
- MCP will submit six bound copies and one electronic copy of the final report within 10 business days after receipt of County's final response to recommendations
- The MCP project manager will provide an on-site Microsoft PowerPoint presentation for the Commissioners Court during a regularly scheduled or special meeting.

Deliverables

Assessment Plan

Mission Critical Partners' experience in completing other similar assessments indicates that a several step process is most successful in creating and reviewing reports and findings and maturing recommendations.

At the conclusion of the administrative interviews, PSAP observation sessions and data collection, MCP will develop a draft report outline and review remotely with representatives of the WCEC to assure all expected items and sections of review will be covered. Also, any "remedial" data collection will be scheduled/completed as the outline is reviewed.

Deliverable(s):

- Draft Assessment Plan

Assessment

MCP appreciates the commitment identified in this section of the RFP by the County to provide full access to the County team, materials, and the facility to provide for assessment of the identified scope. This commitment, together with facilitation of meetings with stakeholders, will provide us with efficient data collection to include interviews and observations.

Standards and Best Practice Benchmarks

MCP has identified numerous standards and best practices in the standards and best practices section above. As requested in the RFP, those utilized as part of the assessment will be included as an addendum to the report.

Bi-Weekly Updates

MCP will provide bi-weekly status updates as part of our project management process identified in Task 1.

Initial Draft Report

MCP will take the approved outline and draft a report, cataloging data collected and highlighting preliminary findings and initial recommendations. MCP will review any preliminary findings with WCEC and designated stakeholders (as determined by the Director).

An on-site review of the draft report will provide discussion and dialog and allow the WCEC team an opportunity to receive agency comments/input and to provide additional direction to the MCP team or to further clarify the data upon which the plan is based.

Mission Critical Partners anticipates that that there could be up to two additional calls with the WCEC to complete the draft report review. MCP will capture all comments and expects to provide an edited copy to the WCEC within 10 business days of receipt of all final comments.

The report will provide recommendations for improvement with a description of the current conditions. The recommendations will be specific, actionable and practical based upon current staffing and financial constraints. The recommendations will identify additional resources required to implement recommendations. As required, the recommendations will be ranked on a priority 1-3 scale as outlined in Table 2:

Table 2: Priority of Recommendations

Priority	Recommendation
Priority 1 – Critical	Critical change required for the safety of the people and agencies served.
Priority 2 – Major – Important	Important changes that need to be implemented for improved workflow and productivity
Priority 3 – Minor	Changes that will improve workflow and overall productivity but are not necessary for life safety and preservation of property

The report will include the following sections:

- Executive Summary
- Project Scope and Methodology
- Overview of the Assessment Process
- Description of Each Scope Element Section
- Recommendations

Deliverable:

- Draft Report

Exit Conference

MCP will meet with the WCEC Director and the Dispatch Steering Committee within 10 business days of the submission of the draft report. The focus of the conference will be to review recommendations and priorities to ensure that all scope elements have been addressed by the report. Any defects or deficiencies in the report will be addressed by MCP in the final report and submitted to the WCEC Director in Word format within 10 business days of the exit interview. The County will provide a final review and resubmit comments to MCP within 10 business days after the receipt of the County comments to the revised draft. MCP will review the response from the County and, if recommendations cannot be implemented, will identify alternatives to address correcting conditions.

Deliverable:

- On-Site Exit Conference

Final Report

After receipt of all final comments MCP will finalize and submit a final report within 10 business days. The report will contain an addendum containing standards, principles, and best practices guidelines utilized during the assessment.

Deliverables:

- 6 Bound Copies of the final report
- 1 PDF copy in electronic format

Commissioners Court Presentation

MCP will prepare a PowerPoint and conduct an on-site presentation of the assessment findings and recommendations to the Commissioners Court of Williamson County during a regularly scheduled meeting or special session.

Deliverable:

- On-Site Presentation

Experience

About Mission Critical Partners

Mission Critical Partners (MCP) is a professional services firm that helps public safety clients enhance and evolve their mission critical systems and operations.

Through our breadth and depth of experience and an extensive network of resources, we offer unique, vendor-independent and successful solutions that solve our clients' complex challenges.

Our planning, implementation and lifecycle management services span all aspects of mission critical communications, while our expertise covers everything from radio to broadband, networks and 9-1-1, and facilities and operations. We provide confidence and support every step of the way, from design and procurement to building and management. The result is a high-performing public safety system that achieves maximum value and optimal efficiency.

With MCP, the proof is in the numbers:

- Loyalty is the foundation of our business, with more than 85 percent of our clients remaining with us from project to project.
- Our specialized professionals are integral members of our team, bringing an average of 25 years to every project.
- We expand upon our experience year after year, completing nearly 400 projects since our inception in 2009.
- We've performed services for clients in more than 75 percent of the states throughout the country.

MCP stands behind the importance and nobility of the work our clients do. We understand the criticality of effective and efficient public safety systems, not just for our clients, but for their entire community. While we are proud to have the most experienced and knowledgeable team of professionals in the industry, our greatest pride comes in seeing the successful results of our clients' mission critical operations.

Because at the end of the day, **it's the mission that truly matters.**

OFFICE LOCATIONS

Mission Critical Partners serves municipal, county, state and federal clients across North America with offices in the following locations:

Corporate Headquarters

State College Office
690 Gray's Woods Blvd.
Port Matilda, PA 16870
Phone: 888.862.7911
Fax: 814.217.6807
Web: MissionCriticalPartners.com

Branches

Raleigh Office
4801 Glenwood Ave. Suite 200
Raleigh, NC 27612

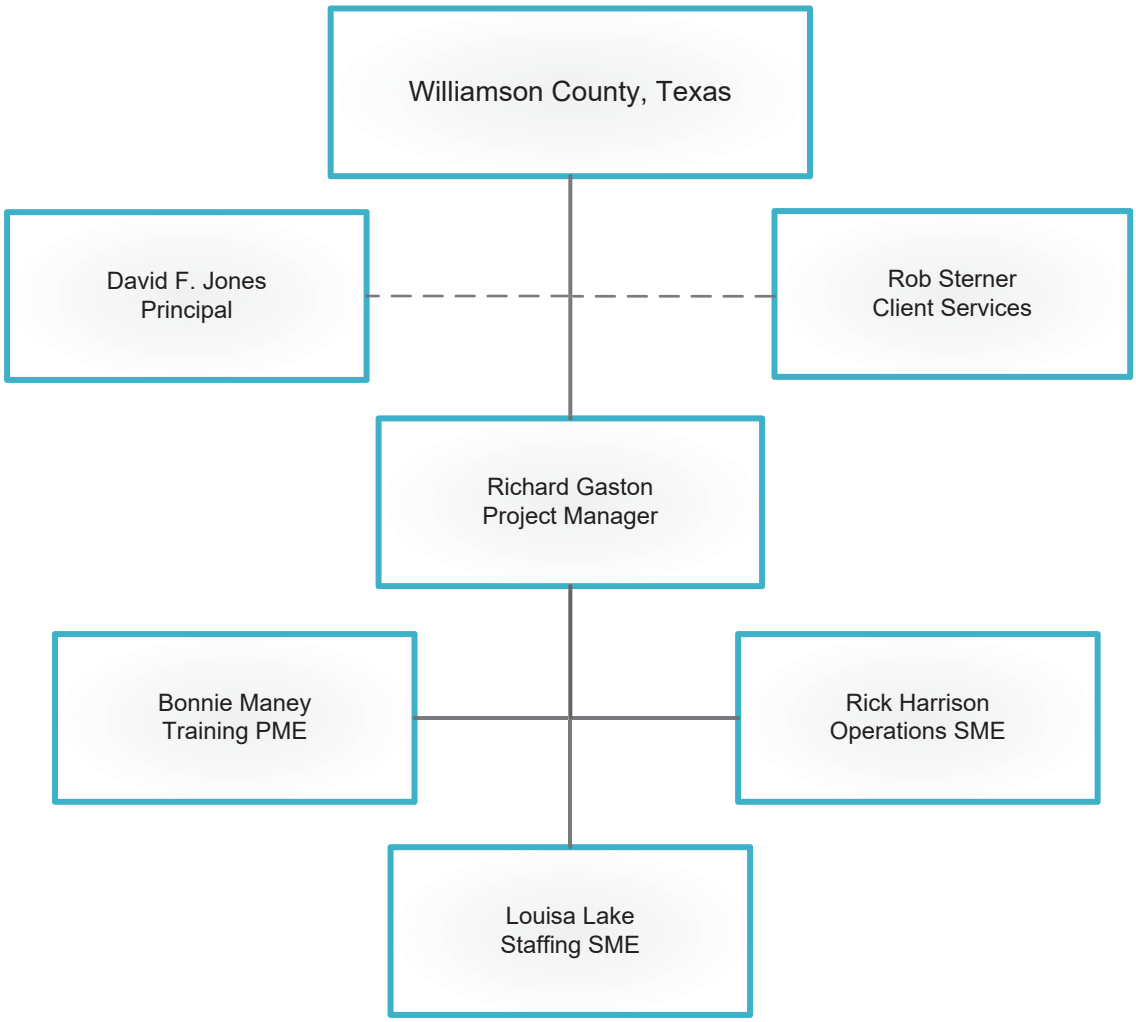
Pittsburgh Office
105 Bradford Rd. Suite 400
Wexford, PA 15090

Harrisburg Office
2578 Interstate Dr. Suite 106
Harrisburg, PA 17110

Dallas Office
502 N. Carroll Ave. Suite 120
Southlake, TX 76092

Project Team

Organizational Chart



Resumes and Applicable Credentials

Resumes of the proposed project team and copies of individual licenses, certifications, credentials, or other qualifications applicable to this Scope of Work are provided on the following pages.

David F. Jones, ENP

Senior Vice President, Principal, Mission Critical Partners, Inc.

David provides executive-level consultative services and expertise on matters related to NG9-1-1, government affairs, public policy, and legislation. He is an internationally known subject matter expert on 9-1-1, NG9-1-1, and emergency services. He has advocated for emergency services-related issues throughout North America, as well as in India, Brazil, and Iceland. While serving as president of NENA, he testified before the United States Senate Commerce Committee on issues pertaining to 9-1-1 and next generation telecommunications networks. David was among the first in the nation to be certified as an Emergency Number Professional (ENP) and has more than 25 years of experience in the public sector having administered, directed, managed, and operated emergency service agencies and 9-1-1 departments. Areas of specialization include:

- Client manager ensuring client expectations are met for success
- Program management support and executive-level consultative services

Representative Experience

State Experience

- Texas Commission on State Emergency Communications (CSEC)—ESInet facilitation
- Arizona—FirstNet-related support and 9-1-1 managed services technology review
- Colorado 9-1-1 Resource Center—NG9-1-1 system review
- Michigan—Public safety broadband
- Minnesota—Statewide 9-1-1 implementation, technology support, procurement support
- Nebraska Public Safety Commission—NG9-1-1 study, professional general consulting
- Tennessee Emergency Communications Board—Technology consulting

Regional Experience

- North Central Texas Council of Governments (NCTCOG)—9-1-1 master planning, executive mentoring, database management, GIS assessment, NG9-1-1 implementation and PSAP feasibility study
- Lower Rio Grande Valley Development Council, TX—NG9-1-1 migration support

City/County Experience

- Shelby County 9-1-1 District, Memphis Police Department, TN—CAD consulting, automatic vehicle location (AVL) procurement assistance, and radio procurement
- Charleston County, SC—Public safety system review and ESInet
- Calhoun and Talladega Counties, AL—Radio system governance and related legislation
- Tarrant County 9-1-1 District, TX—CPE review and implementation and Regional Interoperability Communications Committee (RICC) study
- Lower Rio Grande Valley Development Council, TX—NG9-1-1 migration support
- Dallas, TX—NG9-1-1 System Planning/9-1-1 customer premise equipment (CPE) replacement
- San Francisco, CA—9-1-1 system replacement
- Texarkana, TX—Director, Bi-State Information Center—Consolidated agency that provided emergency communications, E9-1-1, law enforcement records management, and data processing services to the Texarkana, AR; Texarkana, TX; and Bowie County, TX
- Spartanburg County, SC
  - Director, Emergency Services—9-1-1, EMA, Fire Marshal, and Emergency Services Training Academy Departments
  - 9-1-1 Director—Consolidated PSAPs serving 70+ public safety agencies and oversight of design and construction of 9-1-1/communications center



Industry Experience

35 years

Education

B.A., Political Science, Wichita State University

Certifications

Emergency Number Professional (ENP)

Associations

National Emergency Number Association (NENA)

NENA, President, 2005-2006

NENA, Executive Board, 2001-2007

Association of Public Safety Communications Officials (APCO)

iCERT Policy Committee

Awards

"Order of the Palmetto," by the Governor of South Carolina, October 2005

- The highest civilian award in the State, presented for "…efforts to improve emergency services and communications in the community of Spartanburg and throughout the state of South Carolina."

The NENA Institute

Hereby confers upon

David Jones, ENP

The title of

Emergency Number Professional

Together with all the honors, rights and privileges belonging thereto. In testimony whereof, the seal of the Institute and the signature as authorized by the NENA Institute President are hereto affixed.

EMERGENCY NUMBER PROFESSIONAL 9-1-1 ENP 9-1-1 THE NENA INSTITUTE

June 2017 through June 2021

Jennifer Estes
NENA Institute President

Robert H. Sterner, Jr.

Vice President, Mission Critical Partners, Inc.

Rob provides executive level consulting services involving upgrades to a multi-million dollar public safety communications infrastructure projects, grant identification and writing, contract management, and analyzing federal and state legislation and policies that impact public safety. He has researched and developed new public safety and communication technology services for clients in state and county government. Rob is an experienced communicator who maintains direct contact with public safety clients to resolve project issues. He also served as a key staff member in the U.S. House of Representatives and Pennsylvania Senate. Areas of specialization include:

- Client manager of projects ensuring expectations are met for client success
- Project manager for projects including PSAP assessments, procurements, and implementations of multiple systems

Representative Experience

State Experience

- Illinois—NG9-1-1 Feasibility Study
- Kansas—800 MHz Radio System Study

Regional Experience

- Northern Virginia Emergency Response System (NVERS)
  - Northern Virginia Fire and EMS assessment
  - National Capital Region (NCR)—CAD to CAD strategic plan
- Northeastern Pennsylvania—ESInet project (10 counties and cities)

City/County Experience

- Frederick County, MD—Planning and Implementation of NG9-1-1 system for Maryland Emergency Number Systems Board (ENSB)
- Cities of O'Fallon and Fairview Heights, IL—PSAP consolidation assessment
- Richmond, City of VA—PSAP assessment and Strategic Plan
- Orange County, VA—PSAP assessment
- Adams County, CO—PSAP assessment
- Hamilton County, OH—Communications Center Study
- Blair and York Counties, PA—CPE replacements
- Pennsylvania Land Mobile Radio Projects
  - Counties of Adams, Armstrong, Berks, Bucks, Indiana, Schuylkill, Union
- Carbon County, PA—Radio equipment maintenance procurement support
- York County, PA—Deputy County Administrator Director
  - Directed comprehensive upgrade of the county's public safety communications infrastructure (i.e. new emergency services center facility, P25-LMR, CPE, CAD)
- Pennsylvania Department of Community and Economic Development, Governor's Center for Local Government Services—Local Government Policy Specialist
- Pennsylvania Department of Labor and Industry—Served as Executive Assistant for Safety and Labor Management Relations and Division Chief, Bureau of PENNSAFE
- U.S. House of Representatives, Committee on Education and the Workforce—Oversight/Professional Staff



Industry Experience

25 years

Education

B.A., Government/Public Administration, York College of Pennsylvania

Associations

National Emergency Number Association (NENA)

Association of Public Safety Communications Officials (APCO)

Richard Gaston, CEM

Project Manager, Mission Critical Partners, Inc.

Richard offers practical public safety experience spanning law enforcement, fire protection, emergency medical services, emergency management, and business continuity management. Richard has collaborated with public safety agencies at the county and municipal level. As a consultant, he has managed projects involving communication center assessments and renovation, radio system assessment and replacement, computer aided dispatch procurement and implementation, security assessment, continuity of operations planning, and interoperability studies.



Representative Experience

National/Regional Experience

- North Central Texas Council of Governments (NCTCOG)—Regional 911 Emergency Number Program; threat assessment and mission continuity plan development, tabletop exercise development and facilitation, network security audit
- North Central Texas Council of Governments (NCTCOG) Dallas/Fort Worth/Arlington Urban Area Security Initiative (UASI)— Threat and Hazard Identification and Risk Assessment (THIRA) update, threat identification and impact modeling
- North Central Texas Trauma Regional Advisory Council (NCTTRAC)—Regional hospital radio communication assessment.
- Federal Emergency Management Agency (FEMA)—Alert and notification systems study, findings and recommendations

State Experience

- Kansas—Kansas State Interoperability Communication System (KSICS) radio system assessment and funding recommendations
- Kansas—Statewide public safety radio system assessment and recommendations to enhance system governance and management
- Arizona FirstNet—Full-scale public safety broadband (PSBN) tribal exercise conducted in coordination with the Hualapai Nation at the Grand Canyon

City/County Experience

- City of Denton, TX—Organizational assessment and dispatch staffing study, communication center and emergency operation center space study, CAD and record management system (RMS) replacement
- Bell County, TX—Comprehensive communication center study and needs assessment
- Alachua County Combined Communication Center, FL—Call processing review and recommendations Tarrant County 911 District, TX—Radio communication interoperability study, management of interoperability initiative implementation
- City of Highland Village, TX—Radio system upgrade, CAD replacement, communication center renovation and security enhancements
- Lubbock County, TX—Radio system study and recommendations for improvements
- East Harris County Emergency Joint Powers Board, TX—Regional communication center feasibility study, space programming study, and construction and facility operationalization oversight
- Adams County Communication Center (ADCOM911), CO—Facility security vulnerability and security assessment
- Hays County, TX—Communication center collocation study
- Cowley County, KS—Radio system assessment and planning, consolidated communication center technology implementation
- City of Dallas Fire Rescue, TX—Analysis of Fire/EMS dispatch operations and implementation of emergency medical dispatch software
-

Industry Experience

30 years

Education

B.S., Emergency Administration and Planning, University of North Texas

Certifications

Certified Emergency Manager (CEM), International Association of Emergency Managers

Texas Master Peace Officer, Texas Commission on Law Enforcement (TCOLE)

Law Enforcement Instructor, TCOLE

Advanced Firefighter, Texas Commission on Fire Protection

Fire Service Instructor, Texas Commission on Fire Protection

Fire and Arson Investigator, Texas Commission on Fire Protection

Emergency Medical Technician, Texas Department of Health

Emergency Medical Instructor/Examiner, Texas Department of Health



The National Coordinating Council
On Emergency Management

has conferred upon

Richard Parker Gaston
Certified 1994

the designation of

Certified Emergency Manager (CEM)

for meeting criteria in the areas of references, experience, education, training, contributions to the profession and a management questionnaire relevant to emergency management. Maintenance of the CEM occurs every five years.

Rosemarie Chisholm-Cohen, CEM
1993-94 NCCEM President

Ellis M. Stanley, Sr. CEM
1994 CEM Commission Chair

NCCEM
CEM
Certified Emergency Manager

[redacted]



Texas Commission on Fire Protection

In the interest of protecting the state's resources from fire, the commission hereby awards this certificate to

Richard Parker Gaston

in recognition of completion of the requirements for

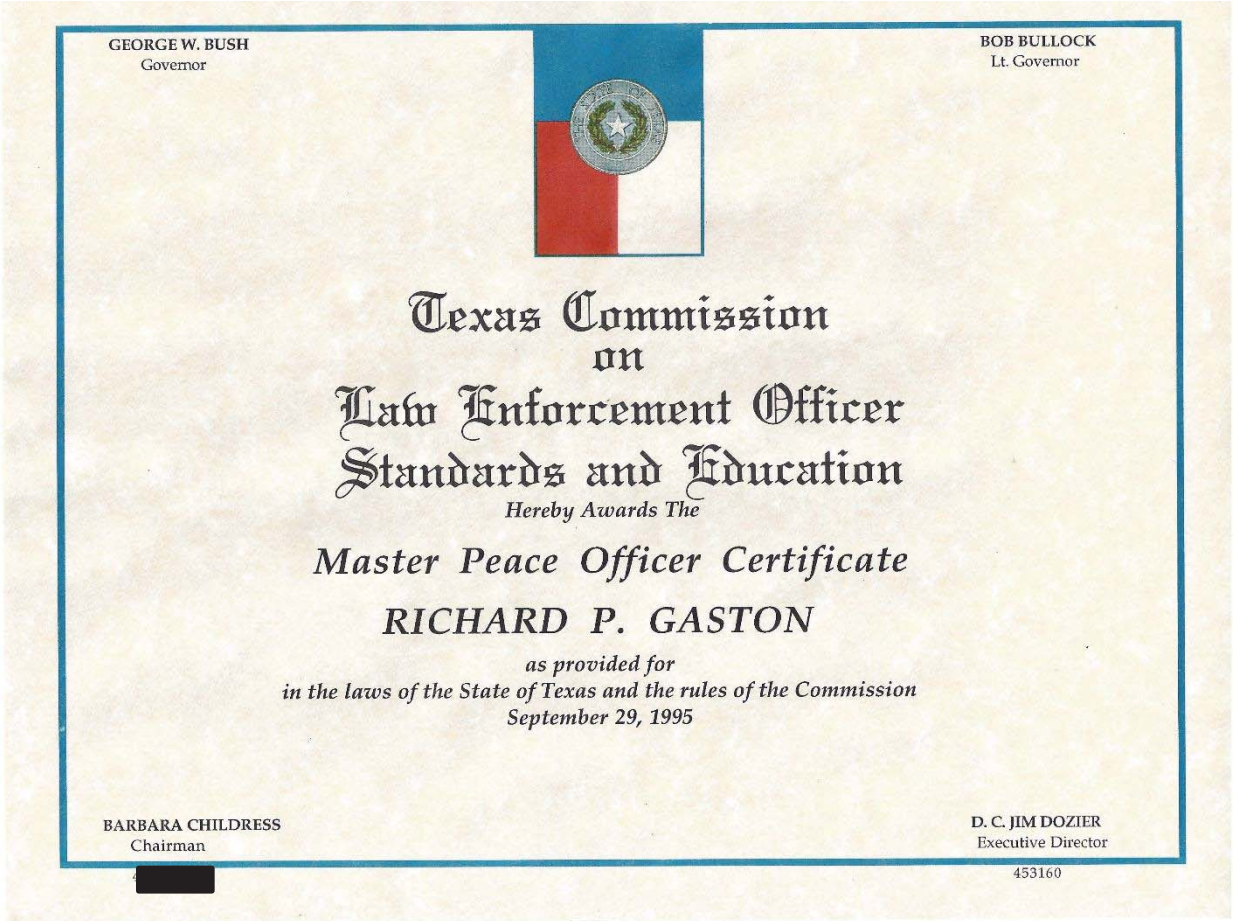
FIREFIGHTER ADVANCED

Chairperson

Executive Director

7/16/1999

Date Issued



GEORGE W. BUSH
Governor

BOB BULLOCK
Lt. Governor

Texas Commission on Law Enforcement Officer Standards and Education

Hereby Awards The

Master Peace Officer Certificate

RICHARD P. GASTON

as provided for
in the laws of the State of Texas and the rules of the Commission
September 29, 1995

BARBARA CHILDRESS
Chairman

D. C. JIM DOZIER
Executive Director

[redacted]

453160

Bonnie B. Maney

Communications Consultant, Mission Critical Partners, Inc.

Bonnie is a Communications Consultant with project management, information sharing and training experience for federal, state and local public safety agencies. In her role, she oversees the preparation of deliverables, program budgets and coordinates grants and contracts. She was responsible for creating MCP's public safety communications training program, which she continues to manage today. Her areas of specialization include PSAP operations, communications, project management, emergency management, information sharing and technology. She also brings experience organizing and facilitating workgroups and town hall meetings to define user needs and requirements, as well as Strategic Communications Interoperability Plans (SCIPs) and investment justifications.

Representative Experience

National Experience

- Developed and managed the delivery of contracted services under the U.S. Department of Homeland Security Office of Emergency Communications Interoperable Communications Technical Assistance Program (ICTAP)
- Developed and delivered public safety communications courses for the National Emergency Communications Institute (NECI)

State Experience

- Virginia Department of Emergency Management (VDEM)
  - Assessed technology requirements to develop a strategic roadmap and report
- Arizona—National Public Safety Broadband Network (NPSBN)
  - Coordinated stakeholder workgroups, developed state and tribal education and outreach plan
  - Completed PSAP data collection; helped execute Homeland Security Exercise and Evaluation Program (HSEEP) compliant LTE exercise
- Pennsylvania Emergency Management Agency (PEMA)—Developed NG9-1-1 training requirements and curriculums for executive and support staff
- Nebraska—Assessed NG9-1-1 PSAP policies, procedures and training requirements
- New Jersey—FirstNet planning activities, including assessing education and outreach program to build strategic training program; completed a PSAP readiness analysis

City/County Experience

- Broward County, FL—Needs assessment, procurement and implementation of P25 radio, microwave, fire station alerting, and alphanumeric paging systems
- El Paso Teller E911 Authority, CO
  - Provided operations support for PSAP consolidation and ESInet study
- Imperial County, CA—Supported consolidation feasibility study
- Fort Myers, FL—PSAP staffing assessment
- Dallas, TX— Conducted CPE replacement needs assessment
- O'Fallon and Fairview Heights, IL—Helped build governance and funding strategy for PSAP consolidation efforts
- Charlotte, NC—Collected data for operationalizing NC Tactical Interoperability Communications Plan (TICP) and developed training to achieve goals
- Palm Beach, FL— Managed all administrative, operational and technical aspects of the town's Communications Unit including 800MHz trunked and conventional radio systems and upgrades
- West Palm Beach, FL
  - Supervised activities in consolidated PSAP
  - Performed call handling, emergency medical dispatch, police/fire/EMS dispatcher, and teletype operator duties



Industry Experience

26 years

Education

M.S. Emergency Management, Jacksonville State University, Alabama

B.S. Business Administration, Northwood University, Florida

Associations

First Responder Network Authority (FirstNet), Public Safety Advisory Committee (PSAC)

National Public Safety Telecommunications Council (NPSTC)

National Emergency Number Association (NENA)

Association of Public-Safety Communications Officials (APCO)

SAFECOM

Richard B. Harrison, ENP

Technology Specialist, Mission Critical Partners, Inc.

Rick brings extensive telecommunications experience in the public safety sector. His accomplishments include managing large, complex projects and programs, including development of a CAD system that resulted in a national product, initiating a text-to-911 program and implementation of a P25 radio system. Rick also has a 30-year career and background in the fire/EMS service as a former Fire Chief and EMS provider.



Representative Experience

State Experience

- Pennsylvania Emergency Management Agency (PEMA)—Supported data gathering and reporting for statewide PSAP assessment
- PEMA—NG911 support project
- Illinois—NG911 Feasibility Study

Regional Experience

- Northern Virginia Emergency Response System (NVERS)—Fire and EMS assessment
- Tri-Com Central Dispatch, IL—Technology Assessment and Strategic Plan

City/County Experience

- Montgomery County, PA—Technology Project Management for law enforcement records management system (RMS)
- Hillsborough County, FL—Fire and Rescue Department CAD procurement
- Hamilton County, OH—Communications Center study
- Orange County, VA—Emergency communications consolidation assessment
- Richmond, VA—PSAP assessment and strategic plan development
- Adams County, CO—PSAP assessment
- City of Denton, TX—PSAP organizational assessment
- Durham, NC—Police Department Headquarters Complex relocation
- Pasquotank County, NC—Radio system assessment and coverage testing
- Columbia/Montour County PA—PSAP consolidation
- Hanover NH—PSAP assessment and strategic plan development

Additional Experience

- Lancaster County, PA—Countywide Communications
  - Served as Operations Manager; Primary Supervisor; Assistant Supervisor; Dispatcher—Police, Fire and EMS
  - Oversaw all PSAP radio room supervisory staff including hiring and termination
  - Managed PSAP daily operations and development of policy and procedure
  - Planned and oversaw PSAP move to another location
  - Developed field communications vehicle and subsequent policies for response
  - Assisted in the development of three different CAD systems
  - Assisted in the delivery of a texting program to 911 through Crime Stoppers initiated prior to text-to-911 being implemented
  - Handled complete renovation of a main 911 center including procuring furniture and designing the room layout to best fit the needs of staff
  - Assisted with the rebuild of a back-up center which is a complete functional center
  - Supported P25 radio system project from development of infrastructure to subscriber equipment to code plug development
  - Worked with EMS agencies to align with the Commission on Accreditation of Ambulance Service (CAAS) and to assist them with station locations and system status management

Industry Experience

37 years

Certifications

Emergency Number Professional (ENP)

Certified Pennsylvania 911 Supervisor

Emergency Management Certification

Awarded Star of Life award for his work with EMS in South Central PA

Associations

National Emergency Number Association (NENA)

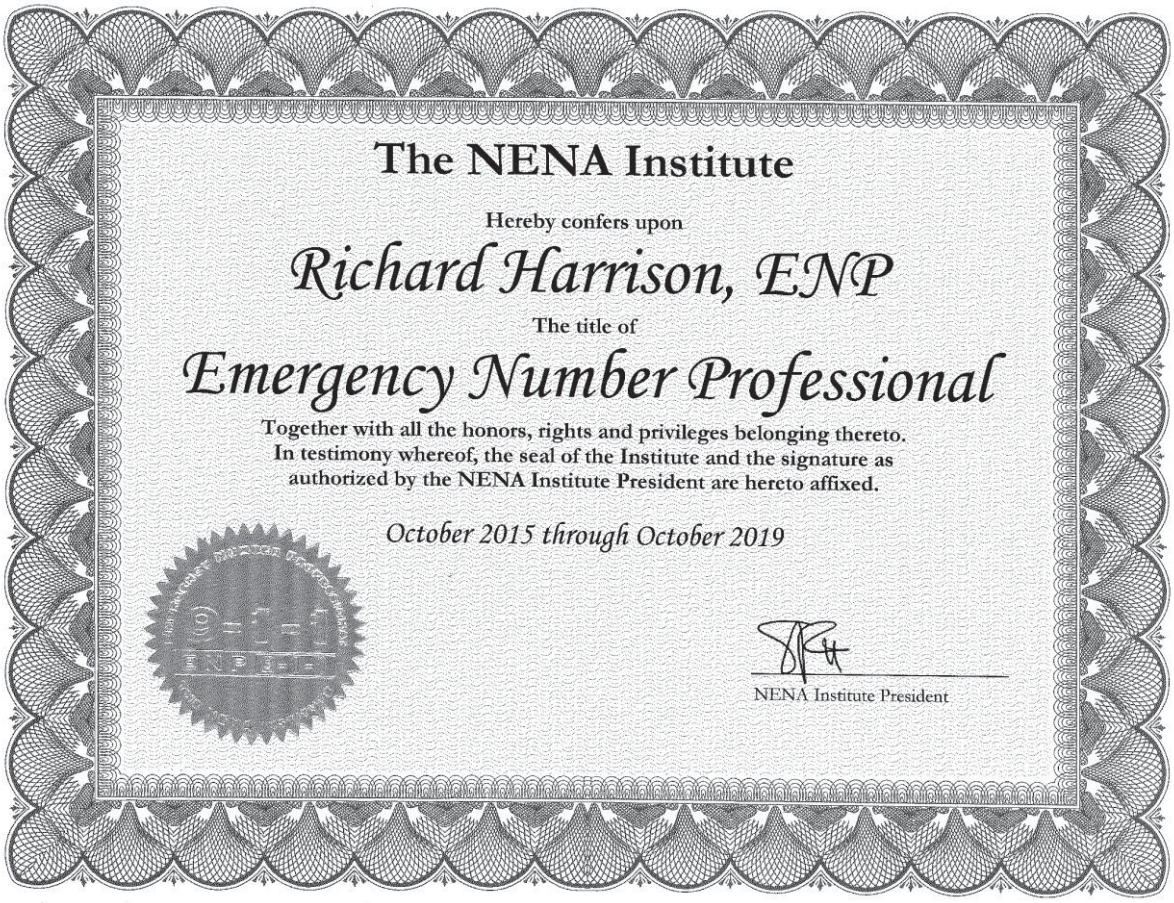
Association of Public Safety Communications Officials (APCO)

South Central Task Force Communications Sub-Committee – Past Chair

Board Member Lancaster County Fire Chiefs—Present Treasurer

Lancaster City—County Crime Stoppers – Board Member

Lancaster County EMS Council - Member



The NENA Institute

Hereby confers upon

Richard Harrison, ENP

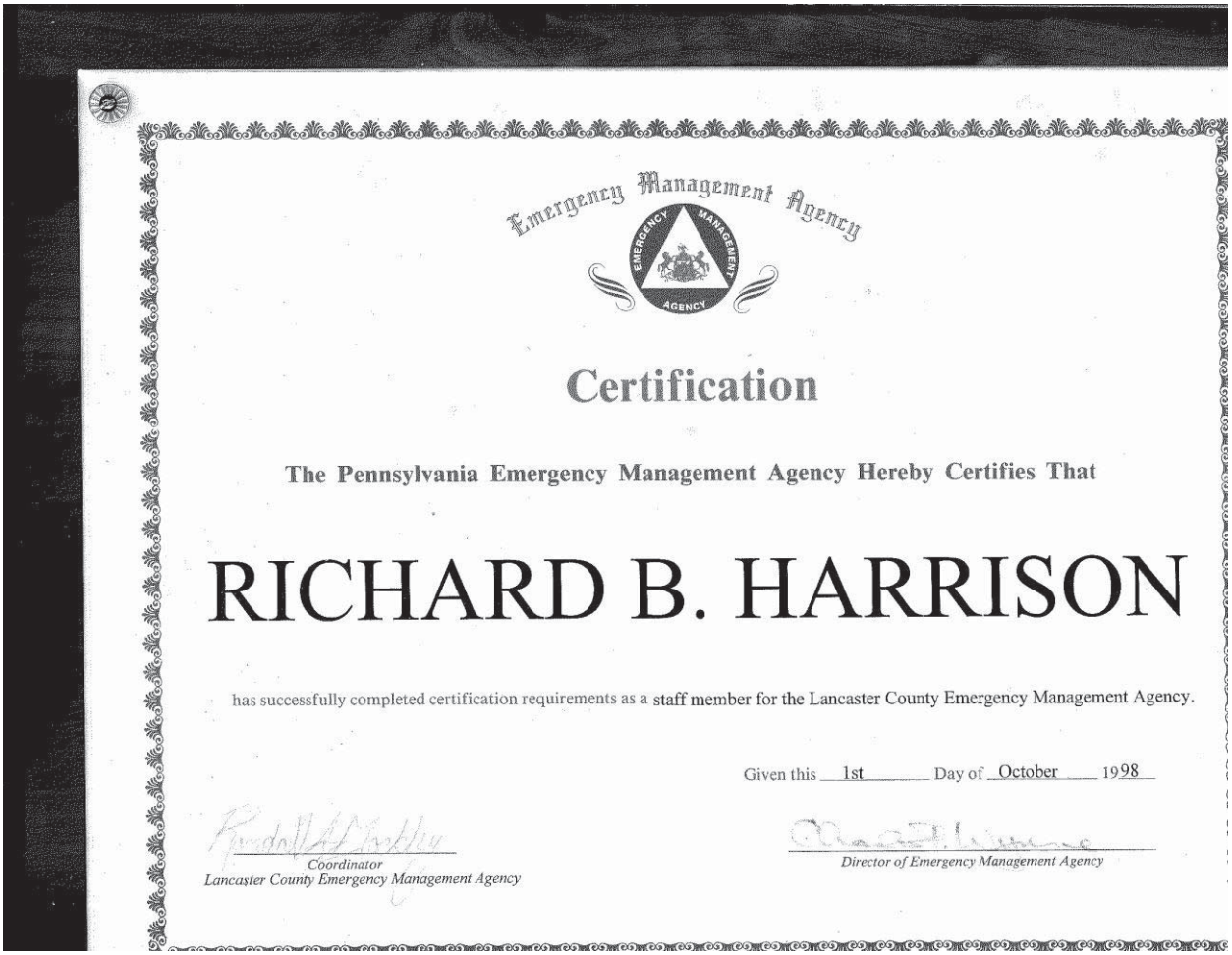
The title of

Emergency Number Professional

Together with all the honors, rights and privileges belonging thereto.
In testimony whereof, the seal of the Institute and the signature as
authorized by the NENA Institute President are hereto affixed.

October 2015 through October 2019

NENA Institute President



Emergency Management Agency

EMERGENCY MANAGEMENT AGENCY

Certification

The Pennsylvania Emergency Management Agency Hereby Certifies That

RICHARD B. HARRISON

has successfully completed certification requirements as a staff member for the Lancaster County Emergency Management Agency.

Given this 1st Day of October 1998

Coordinator
Lancaster County Emergency Management Agency

Director of Emergency Management Agency

NATIONAL EMERGENCY TRAINING CENTER

EMERGENCY MANAGEMENT INSTITUTE

Certificate of Achievement

This Certificate of Achievement is to acknowledge that

RICHARD B. HARRISON

Has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-1

EMERGENCY PROGRAM MANAGER

Issued this 13th day of June, 1996

Deputy Superintendent
Emergency Management Institute

Superintendent
Emergency Management Institute

16-31, NOV 93

Louisa Rand Lake, ENP

Public Safety Consultant, Mission Critical Partners, Inc.



Beginning her career as a telecommunicator, Louisa progressed into a training role and subsequently transitioned into a supervisory position for the Police Department's Emergency Communications Division for the City of Greensboro, NC. During the consolidation of city and county operations, she revised policies and procedures necessary for a consolidated center. Louisa brings expertise in operations, CAD and Commission on Accreditation for Law Enforcement Agencies (CALEA) accreditation. Louisa also is a NENA instructor for staffing and policy development. Her areas of specialization include:

- Conducting PSAP operational assessments and making recommendations in alignment with national standards and best practices
- Staffing studies and suggesting recommendations and enhancements
- Assessing policies and procedures to recommend new policies
- Expertise with grant submission writing

Representative Experience

Consultant Experience—Completed operational analyses of 9-1-1 communications centers, including staffing analyses and policies and procedures, quality assurance/quality control, training, supervision, call take and dispatch procedures, protocol usage, hiring and retention practices, salary reviews and consolidation initiatives.

- North Central Texas Council of Governments (NCTCOG)
- North Carolina:
  - Dare County
  - City of Fayetteville and Cumberland County
  - Martin County
  - Mitchell County
  - City of Charlotte
  - Wayne County
- Allegheny County, PA
- Wayne County, NY
- Alachua County, FL
- Pueblo County, CO
- Iredell County, NC
- PSAP needs assessments
  - Adams County, CO
  - Alexander County, NC
  - Alleghany County, NC
  - City of Fayetteville, NC
  - Martin County, NC
  - Cities of O'Fallon and Fairview Heights, IL

Technical Editor Experience—Edited reports, documents, correspondence, and presentations; performed quality assurance/quality control on reports and projects

- Federal Emergency Management Agency (FEMA), Chemical Stockpile Emergency Preparedness Program (CSEPP)
- U.S. Department of Transportation, National 911 Program
- Pennsylvania Emergency Management Agency (PEMA)
- State of Missouri
- Kansas Association of Counties
- Plano, TX
- Kaufman County, TX
- Allegheny County, Pennsylvania WestCORE
- Region 13, Pennsylvania Customer Premise Equipment Procurement and WestCORE

Industry Experience

27 years

Education

B.A. Biology, St. Andrew's Presbyterian College, NC

Certifications

Emergency Number Professional (ENP)

ICS 100, 200, 300, 400, 700, 800

IAED EFD, EPD, EMD

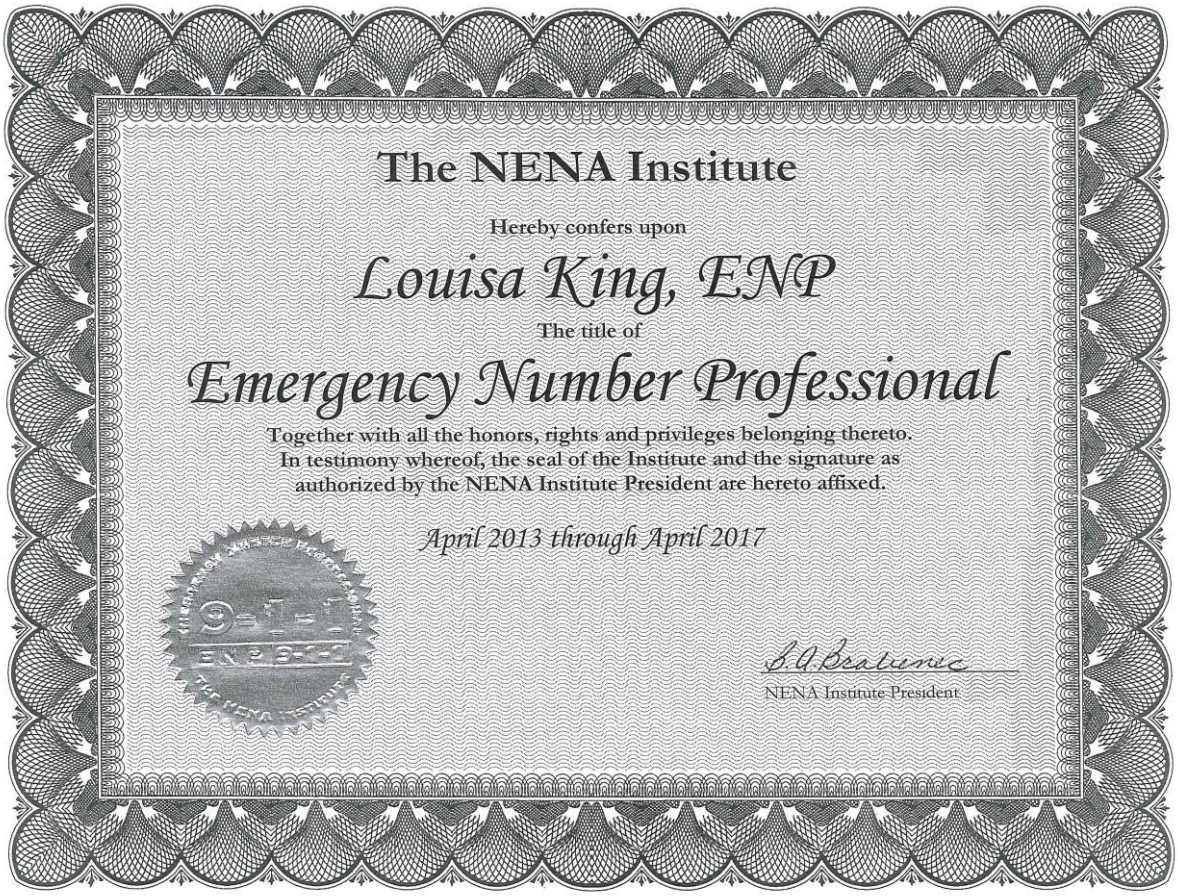
Associations

National Emergency Number Association (NENA)

NENA Instructor

Awards

North Carolina NENA. President's Award, 2017



The NENA Institute

Hereby confers upon

Louisa King, ENP

The title of

Emergency Number Professional

Together with all the honors, rights and privileges belonging thereto.
In testimony whereof, the seal of the Institute and the signature as
authorized by the NENA Institute President are hereto affixed.

April 2013 through April 2017

NENA Institute President



Louisa King (Member # 1013435),

You scored **96%** on the **EPD Recertification Exam v4.2** .

Congratulations, you passed the exam.

Should you have any questions or concerns, please don't hesitate to contact us at (800) 960-6236 or email us at recert@emergencydispatch.org. Our offices are open Monday through Friday, 8:00 AM to 5:00 PM, Mountain Time.

Exam Summary

Below is a summary of the exam questions you missed and the Source and Topics to study.

Question	Source	Topic / Skill
5	EPD Course Manual Chapter 2 PPDS Protocols 112, 125	Chief Complaint Selection Determinant Code Selection
28	EPD Course Manual Chapter 2 PPDS Protocols 113, 119, 122, 133	Chief Complaint Selection Determinant Code Selection

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Printed: 11/17/2014



Louisa King (Member # 1013435),

You scored **98%** on the **EFD Recertification Exam v6.0** .

Congratulations, you passed the exam.

Should you have any questions or concerns, please don't hesitate to contact us at (800) 960-6236 or email us at recert@emergencydispatch.org. Our offices are open Monday through Friday, 8:00 AM to 5:00 PM, Mountain Time.

Exam Summary

Below is a summary of the exam questions you missed and the Source and Topics to study.

Question	Source	Topic / Skill
7	EFD Course Manual Chapter 2 FPDS Protocols 59, 67, 69, 71	Chief Complaint Selection

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Printed: 11/17/2014

With Honors

DIPLOMA
NATIONAL ACADEMY of EMERGENCY FIRE DISPATCH of the UNITED STATES OF AMERICA

Upon recommendation of its Faculty and Fellows, the National Academy hereby attests that

Louisa R. King

has successfully fulfilled the National Academy's requirements for honored level of

Certified
Emergency Fire Dispatcher

with all Rights and Responsibilities this 2nd day of August, 2012

Scott Tarbet
President of the Academy

Pamela Stewart
Chair, Board of Certification

Board of Trustees

Michael Thompson
Chair, Board of Fire Curriculum

Certification No. 392232

Chair, College of Fellows

NATIONAL ACADEMY OF EMERGENCY FIRE DISPATCH

With Honors

DIPLOMA
NATIONAL ACADEMY of EMERGENCY POLICE DISPATCH of the UNITED STATES OF AMERICA

Upon recommendation of its Faculty and Fellows, the National Academy hereby attests that

Louisa R. King

has successfully fulfilled the National Academy's requirements for honored level of

Certified Emergency Police Dispatcher

with all Rights and Responsibilities this 15th day of August, 2012

Scott Tarlow
President of the Academy

Pamela Stewart
Chair, Board of Certification

Board of Trustees

Chair, Board of Police Curriculum

Certification No. 393375

Chair, College of Fellows

NATIONAL ACADEMY OF EMERGENCY POLICE DISPATCH

Relevant Project Experience

Capital Area Council of Governments, Texas

Service Provided: Support Development of Five-Year Strategic Plan

Contact: Greg Obuch, Emergency Communications Director, 512.916.6044; gobuch@capcog.org

Project Dates: February 2017 to May 2017

Challenge: The 28-member Capital Area Council of Governments (CAPCOG) Executive Committee functions as the board of managers for the Capital Area Emergency Communications District (CAECD), which was created in September 2013 and brought together 11 jurisdictions to ensure that citizens of the greater Austin, Texas, area have access to emergency communications. At its inception, the CAECD's board identified the need to develop a five-year strategic plan that would provide goals and priorities to guide operations and funding for the District moving forward. A Strategic Advisory Committee held several working sessions between September 2013 and February 2016. During these sessions portions of a plan, including a mission statement, core functions and desired outcomes, were outlined. However, a final plan had not been completed for adoption by the CAECD. Mission Critical Partners (MCP) was retained by the CAECD to review the work that had already been done by the Committee and use it as a starting point to complete the five-year strategic plan.

Solution: MCP worked closely with the CAECD Executive Director in developing a mutual understanding of the desired project outcomes and identifying potential roadblocks to the successful completion and acceptance of a five-year strategic plan. After a thorough review of the elements that had already been completed by the Committee, MCP established a road map for the CAECD that would allow for the development and acceptance of a final plan before the end of the first quarter of 2017.

MCP's approach to the project included four distinct deliverables that would bridge the gap between the work the Committee had completed and the final plan. These deliverables included:

- The outline of a recommended final plan. This outline was developed based on thorough review of work already completed by the Committee, an in-depth project kickoff with the CAECD Executive Director and MCP's understanding of the governance of the CAECD and the goals of the final strategic plan.
- An MCP facilitator led workshop. During this session, sections of the recommended final plan outline were further developed to a level which supported the writing of a draft strategic plan.
- A draft proposed strategic plan was developed following the planning session workshop and delivered to CAECD for review and feedback.
- The final proposed five-year strategic plan which was delivered and presented to the CAECD Executive Director and full Strategic Advisory Committee for acceptance.

Key Result: The final proposed strategic plan was completed and presented to the CAECD Executive Director and Strategic Advisory Committee at an in-person meeting in March 2017. The final plan was completed within MCP's proposed budget and accepted by the CAECD in advance of the project deadline.



North Central Texas Council of Governments

Service Provided: Comprehensive Next Generation 911 Services

Contact: Christy Williams, ENP, Chief 911 Program Manager, 817.695.9204, cwilliams@nctcog.org

Project Dates: August 2009 to Present

Challenge: In August 2009, the 911 Program of the 16-county North Central Texas Council of Governments (NCTCOG) embarked on a long-term strategic initiative to plan, fund and manage NG911 services. During the initial phases, Mission Critical Partners worked closely with the team to provide thorough due diligence; a conceptual IP NG911 network design; and the development, distribution and evaluation of i3 Functionality and IP Network Facilities Request for Proposals.

The Council is currently engaged in the third phase of the project. This phase is focused on improving network/Customer Premise Equipment redundancy, supporting state-level NG911 projects, strategic planning and leading the industry to advance development and deployment of NG911 functionality to serve NCTCOG's jurisdiction.

Solution: To help NCTCOG achieve Phase III objectives, MCP has again been retained by the Council and is working with them to:

- Develop and manage a multi-year strategic plan encompassing all 911 Program departments
- Document and contract manage the implementation of new 911 call handling equipment
- Create a transition plan to guide the transition to an IP selective router
- Manage the implementation of i3 Features and Functions of NG911
- Document and manage pilot projects for advanced location and additional data sources
- Create project plan for key GIS and Data Team program initiative
- Provide leadership development for the Council management team

Key Result: Since the project's inception, MCP managed the design and implementation of the local IP network, including all related procurement efforts; completed the initial regional consortium by-laws and management documents; and developed a process to guide on-going support of the multi-year 911 Program Master Plan to guide long-term efforts. The team continues to work closely with NCTCOG to help them meet additional project objectives in the transition to full NG911.

"More than a consultant, I consider MCP my partner in public safety. I value the contribution they make to my team and appreciate the wide variety of experience that I get from their staff. MCP understands the needs and goals of my agency and they provide us with tools to help achieve excellence. They are making the transition to new technology and operations a bit easier to forge as we move into the Next Generation of 911."

- Christy Williams, 911 Program Manager, NCTCOG

Tarrant County 9-1-1 District, Texas

Service Provided: 911 Customer Premises Equipment Procurement and Consulting

Contact: Greg Petrey, Executive Director, Tarrant County 9-1-1 District; 817.820.1188; GPetrey@tc911.org

Project Dates: June 2012 to Present

Challenge: The Tarrant County 9-1-1 District (District) planned migration to new 911 customer premises equipment (CPE) that will meet today's needs, migrate to next generation network methodologies and leverage state-of-the-art technology to achieve cost-effective deployment, maximum sustainability and improved functionality for each PSAP in the District. The estimated implementation period was two to three years. To accomplish this, the District needed a qualified firm to oversee the qualifications, acquisition and contract negotiations of a vendor that will perform the service within budgetary timelines.

Solution: The District retained Mission Critical Partners to develop a request for proposal (RFP) for the acquisition and contract negotiations for 911 CPE and services. MCP's support for the District included:

- Providing technical assistance in developing and drafting a RFP for the procurement of an optimal NG911 system including all required components.
- Conducting "Due Diligence" – a fact finding through vendor meetings data gathering and assisted in developing a conceptual solution design to support the procurement requirements.
- Ensuring specifications included all legally mandated scopes of service, such as provisions for special needs populations.
- Providing management support during the bid solicitation. MCP supported the District in contract negotiations, ensuring the proposed vendor solution met the technical requirements of the RFP and acted as a technical resource to the District.

Key Result: MCP utilized the information gathered during Due Diligence to define all technical (CPE and network) requirements and develop a conceptual solution design to support the requirements for procurement.

The Tarrant County 9-1-1 District issued an RFP to solicit bids for the 911 CPE and services in September 2012. MCP worked closely with the District to review the bid responses and to select a qualified vendor. MCP worked closely with the District to develop and execute tests on the vendor's solution, which ultimately failed to meet performance requirements. MCP assisted the District with contract and performance modifications to allow the vendor to substitute an equivalent solution. MCP and the District conducted similar tests on the vendor's replacement solution and is currently providing implementation support to the District.



Texas Commission on State Emergency Communications

Service Provided: State-Level ESInet Planning Assistance

Contact: Kelli Merriweather, Executive Director, 512.305.6938; Kelli.Merriweather@csec.texas.gov

Project Dates: March 2014 to Present

Challenge: The Texas Commission on State Emergency Communications (CSEC) is the state agency responsible for the administration of statewide 911 service implementation. CSEC is authorized by statute and funded to coordinate the development, implementation and management of an interconnected, state-level Emergency Services Internet Protocol (IP) Network (ESInet). Phase I is the first of several phases intended to culminate in the vision that is the Texas Next Generation 911 (NG911) Emergency Communications System.

As part of the NG911 planning process, the Commission staff recognized the need for experience-based assistance in facilitating the planning process and advising staff. It contracted with MCP to provide that assistance, specifically as it relates to: updating the Commission's NG911 Master Plan; developing the technical specifications for the Phase I statement of work; and providing business case analyses. The Commission also requested assistance in obtaining stakeholder input into the planning process and in developing cost estimates for use in the budgetary process. As part of the implementation of Phase I of the state-level ESInet, MCP is providing subject-matter-expertise (SME) support for CSEC and its systems integrator.

Solution: Mission Critical Partners began by arranging and facilitating a meeting with key stakeholders—i.e., representatives of the regional planning commissions (RPCs), emergency communications districts and the Department of Public Safety—to inform them of the approach being considered and to get their input into the process of planning and developing the state-level ESInet. A follow-up meeting was held with the RPCs to get specific input into the planning for Phase I of the state-level ESInet. MCP developed updates for the Texas NG911 Master Plan and developed a Business Case Analysis for Phase II of the ESInet implementation.

In addition, MCP facilitated meetings with ECAC to identify ESInet policies for development in the next biennium. MCP is responsible for stakeholder communications through delivery of regular briefings at 911 Grantee Workshops, and develops and distributes a bimonthly newsletter for the RPC Executive Directors and 911 Coordinators.

Key Results: Based on the input received in the stakeholder meetings and in coordination with Commission staff, MCP developed specific deliverables and alternatives to further the planning process. During the Phase I implementation, MCP acted as a partner and advocate for CSEC, by working closely with CSEC's systems integrator vendor, and kept the large stakeholder group well-informed of the project status. The Commission benefited from MCP's industry-leading, hands-on NG911 implementation expertise as it moves this project from concept to reality.



Hays County, Texas

Service Provided: Public Safety Answering Point Collocation Assessment/Computer-Aided Dispatch Procurement

Contact: Will Conley, Commissioner, Hays County, 512.847.3159, will.conley@co.hays.tx.us

Project Dates: June 2010 to May 2015

Challenge: Conduct a PSAP assessment for the collocation of four Hays County PSAPs: Hays County Sheriff's Office, San Marcos Police Department, Kyle Police Department and Texas State University Police Department.

Solution: The first phase of the project presented the client with a business plan recommendation for a fully unified collocation. This recommendation addressed all the points that the four PSAPs needed to consider to a make a final decision as to whether to move forward with the initiative.

Because of the decision to move forward, the second phase of the project called for Mission Critical Partners to conduct a programming study, which assessed the proposed facility's spatial and technology needs; a site assessment that helped determine whether to build a new facility or retrofit an existing one; and an analysis of the CAD capabilities of the four agencies and their future needs, to aid in the future migration to the sharing of a single CAD system. Finally, MCP provided cost analysis to help the agencies prepare for a bond referendum that will be held this fall.

Key Result: MCP's initial feasibility study enabled the four PSAPs to justify moving forward with the collocation project. In the second phase of the project, MCP's analysis and insights enabled these entities to make critical decisions regarding how to integrate their emergency communications operations.

The anticipated result is a state-of-the art emergency communications facility that will result in increased service to their citizens, enhanced interoperability and data sharing, reduced costs (driven by the sharing of infrastructure), and better coordination between the agencies.

"PSAP collocations are complex. Mission Critical Partners approached this project with the philosophy that all voices must be heard and all issues addressed. The collocation committee representing the Hays County stakeholders has worked hard to ensure that all issues have been identified and that collaborative solutions for moving forward have been nailed down."

— David Jones, Program Manager, Mission Critical Partners

Adams County Communications Center, Inc. Adams County, Colorado

Service Provided: Public Safety Answering Point Assessment

Contact: Joel Estes, Director, Adams County Communications Center, Inc., 303.289.2235, jestes@adcom911.org

Project Dates: March 2016 to June 2016

Challenge: Adams County (County) lies within the city of Denver metropolitan area, and has experienced surging population growth for more than the last decade and a half. Due to this growth, the Board of Directors of the Adam's County Emergency Communications Center (ADCOM911), wanted to ensure that the center continues to serve the citizenry, as well as the first responders who protect them and their property, at a high level.

Solution: Mission Critical Partners was retained to perform a thorough assessment of ADCOM911. The primary goal of the project was to assess the 911 center's current technology, staffing levels, call-taking procedures, interactions with field personnel, and funding mechanisms. The facility that houses ADCOM911 also was reviewed, to determine whether the design and infrastructure could accommodate future expansion of the center's staff.

Key Result: MCP delivered a comprehensive report based on its assessment to the ADCOM911 Board of Directors that offered the following key recommendations:

- While it has increased its staff over the last year, ADCOM911 needed to hire additional telecommunicators if it wanted to continue staffing dedicated police dispatchers for each agency, and to staff the appropriate number of call-takers on each shift.
- ADCOM911 should hire a training supervisor, create a training manual, and institute a structured quality assurance/quality improvement program.
- The level of GIS and mapping data available to ADCOM911 telecommunicators needed to be enhanced.
- ADCOM911 should prioritize the development of a continuity of operations/disaster recovery plan.
- The center's operations floor should be reconfigured to maximize the use of physical space and to create an environment that improves supervisory oversight of telecommunicators.
- ADCOM911 should seek a funding increase from the state's public utility commission to ensure that the center's technology and staffing align with the additional burdens created by a significantly growing population, so the highest level of service possible can provided to citizens and first responders.

U.S. Department of Transportation, National Highway Transportation Safety Administration (NHTSA)

Service Provided: Technical and Operational Expertise; Analysis of 911 Industry Standards and Practices; Development of Communications Media

Contact: Laurie Flaherty, Coordinator, U.S. Department of Transportation, NHTSA, 202.366.2705; Laurie.Flaherty@dot.gov

Project Dates: September 2014 to Present

Challenge: The National 911 Program (Program), established by Congress in 2004 and housed within National Highway Transportation Safety Administration's (NHTSA) Office of Emergency Medical Services, was created to provide a national focus for 911 services in the United States. Its mission includes the following:

- Improve coordination and communication between federal, state, and local public safety organizations, and between public safety and the telecommunications industry
- Develop, collect, and disseminate information concerning standards, practices, procedures, and technology used in the implementation of 911 services
- Serve as a clearinghouse for information related to 911 services

To accomplish these tasks, the Program requires specialized 911 technical, operational, and policy subject-matter expertise, hired Mission Critical Partners for that purpose.

Solution: MCP's strong experience in 911 and NG911 related technologies and operations helps further the Program's mission. Currently MCP supports the following initiatives:

- Production of bi-monthly webinars that highlight successes of NG911 early adopters
- Monitoring and review of technical and operational standards related to 911
- Gap analyses of national and international 911 technical and operational standards
- Development of an "interstate playbook" to assist multiple states in ensuring state-to-state communications and data interoperability
- Identification of cybersecurity standards for NG911 and development of a 911 focused infrastructure risk assessment
- Development of minimum training standards for telecommunicators at the national level

Key Result: The expertise provided by MCP is helping the National 911 Program advance 911 services in the U.S., particularly as it relates to technological evolution, operational improvements, and policy recommendations.

Special Provisions / Additional Information

Areas of Specialization

Mission Critical Partners is a comprehensive professional services firm rather than an organization with a single focus or specialization. Our areas of specialization are driven by subject matter experts in each of their respective fields – in other words, our specialization is in all areas of **public safety – from operations to technology.**

Our planning, design, and implementation services span all aspects of mission critical communications.

Operations and Facilities Services



When everything you do is considered mission critical, you require reliable systems to meet the demands of your always-on operation. Our planning, designing and integration services improve the return on your technology investments, while delivering project success. And our project management expertise helps you complete your initiatives on time and on budget.

MCP is passionate about creating environments, processes and systems that enable our clients to experience greater success. We do this by bringing innovative ideas to every project with the end goal of improving your operations. Our applications expertise spans all aspects of public safety communications including computer-aided dispatch (CAD), logging, records management systems (RMS), geographic information systems (GIS), mobile data and more. We believe that the way in which these applications combine with other systems and your agency's unique organization is fundamental to success. Our specialized team of experts work shoulder-to-shoulder with our clients to align requirements with their goals to implement the best possible solution.

Our operations and facilities services range from operations consulting, technology procurement and implementation, shared services and consolidation; strategic and executive-level consulting; facility planning services and professional development and mentoring.

Executive Consulting Services



MCP partners with clients to develop customized technical and operational solutions for public safety communications **because the mission matters.**

Our staff has extensive experience serving in public sector and public safety management roles. We draw on our real-world experience when advocating for our clients. Through first-hand experience, we have earned the reputation for being accountable, prudent, persistent, progressive and reliable problem solvers and innovators.

We provide services that are initiated at a strategic level. An integral part of our executive-level consulting is providing master planning services. Our team of policy specialists collaborates with clients to create comprehensive plans that help direct decision making in the public safety sector. When developing a strategic plan, MCP incorporates master planning, organizational structuring, hiring assistance, fiscal planning, operations and technology and policy solutions.

We first seek to gather insights into our client's unique organization. We then apply these insights with our deep industry experience to formulate a strategy designed to serve as a guide to our clients' future. We focus on combining a comprehensive yet tactical approach that addresses every element of the client's sphere of influence. Our team directs its collective energy on understanding the full scope of the client's responsibility and objectives. We uncover the unique challenges that stand in the way of achieving success. Our goal is to mitigate those challenges by leveraging policy, as well as human, technological and fiscal assets to develop a sustainable solution.

Our clients are responsible for delivering reliable service 24 hours a day, seven days a week to first responders and the public while operating with limited resources. In recognition of the need to achieve more with less, we aim to put the client in a position to do more with more. This means structuring organizations, programs and projects for available grant funding through policy development, technology and appropriate fiscal planning.

Network 9-1-1 Services



Our professionals have extensive experience with planning, designing, procuring, negotiating and implementing all Next Generation 9-1-1 (NG9-1-1) call delivery and processing elements. The public safety answering point (PSAP) environment will continually evolve with new technologies, processes and expectations. MCP's goal is to help our clients implement resilient, effective and future-focused solutions that enhance emergency response and result in better outcomes for public safety **because the mission matters.**

The MCP approach considers funding models, system lifecycle analysis, objectives, incident processing, network resources and governance opportunities in order to establish a thorough understanding of a client's unique PSAP environment.

Our NG9-1-1 experts have extensive experience with incident processing in the PSAP, incident dispatch and data management. MCP can develop a comprehensive master plan for the agency or region and a conceptual design to NG9-1-1 deployment. The master plan assesses all options and ensures timely deployment by incrementally upgrading technology and recommending policy, funding and governance modifications. Our offerings include, but are not limited to, master planning as well as design and procurement support for a wide variety of communications networks, including Internet Protocol (IP) based networks, such as Emergency Services IP networks (ESInets).

Radio Wireless Services



Our radio experts bring an average of 25 years of experience to every project and have supported large municipal radio system implementations in ten of the top Metropolitan Statistical Areas. One hundred percent of our experts have hands-on experience using two-way radios. MCP's leadership and support for your project means that your new system will boost coverage and capacity, exceed the needs of the user community and create maximum value.

Our team approaches your project with only one task in mind – helping you achieve your goals. This is accomplished through our unique approach that determines your operational requirements and designs a radio network around your needs and budget. Many agencies face constraints because of the design and operation of their radio network. The network should serve public safety users, as well as be another tool to keep our first responders and communities safe. The protection of life and property begins with a single dispatch. From there, the radio system is the link that connects and delivers your response and services to your citizens. It is far too important to trust to anyone other than your partner, your advocate, and your agent for innovative solutions **because the mission matters**. Our professionals work tirelessly to provide the necessary guidance for our clients to evolve to a radio communications system that is capable, reliable and affordable—custom designed for their needs and budgets. Offerings include, but are not limited to, operational and technical assessments, procurement support, Federal Communications Commission (FCC) licensing, performance acceptance testing and FirstNet support.

Shared Services and Consolidation



In today's market, everyone is asking, "How can we do more with less?" Communications centers are impacted by this question as budgets become tighter, technology matures, operational demands become more complex and training increases. Many are finding that consolidation is a solution to consider. The MCP team has extensive experience with consolidation efforts in past public-sector roles and as consultants.

We recognize that elected and public safety leaders strive to provide the most effective and efficient emergency response system possible. Ultimately, the delivery of quality life safety services is the achievable objective. We develop a collaborative approach with our clients to assess the opportunity for operational and administrative efficiencies through potential consolidation, collocation or organizational change. Our professionals use an impartial and even-handed approach that has a proven track record of success.

Today's economic realities require a thorough program analysis to define a future path of economizing while effectively delivering service. Appropriately applied, consolidation or collocation can achieve operational efficiencies through systemic interoperability via staffing, scheduling, technology, training and reduction in systems cost basis.

We appreciate the necessary balance required of seemingly competing objectives with operations, organizational, technology, fiscal, human resources and governance issues. The variables and constraints associated with each are carefully weighed to develop an approach with a lasting solution. MCP is sensitive to the sense of ownership and loyalty each community and agency has with a local communications center. We honor the history of service while providing an independent view of how the community is best served by advancing to the future. To ensure a comprehensive, smooth transition, we also provide migration assistance and help address the challenges inherent in combining organization, facility, technology and operational resources.

Facility and Technology Design and Integration

MCP is well-versed about the requirements of mission critical facility architectural and engineering design and we are highly-qualified to manage the many complexities that arise with each building project. We also apply our understanding of all elements of the facility construction including site selection, site development, electrical, mechanical, structural, security and technology to coordinate systems install, acceptance, training and operational transition.

The focus of every project is to optimize the functional use of the space for operational integrity. We work closely with the client to develop technology solutions, migration schedules and a forward-looking operations floor layout that scales as our clients' needs grow. Our team has a profound passion for results, an indefatigable work ethic, and a proven record of success; we utilize industry-leading intellectual capital to provide highly responsive, customized, solutions and strategies for our clients.

Lifecycle Management Services



We help our clients manage and protect their communications systems and facilities long after their project closes. Our holistic approach to managed services ensures that clients realize maximum value from their technology investments throughout their lifecycle, while remaining confident that their system is running at peak performance.

Clients partner with us so that they can focus on the strategic aspects of public safety by offsetting activities not core to their mission. We provide solutions that achieve our clients' goals, not their vendors, by applying a technology-independent approach.

With Mission Critical Partners' help managing their networks and operations, our clients realize simplified, protected, cost-effective and interoperable communications networks that are sustainable. Our objective is to help our clients drive return from their investments while reducing their operating expenses.

We provide a broad portfolio of solutions that are a natural fit after we have consulted with a client to plan, procure or implement solutions, including the following services:

- Co-managed IT services
- Network management and maintenance services
- Building and site management services
- Data management services

E. Price Sheet

Professional Services outlined in the above scope of services will be provided for a not to exceed fee of **$71, 328 including expenses**.

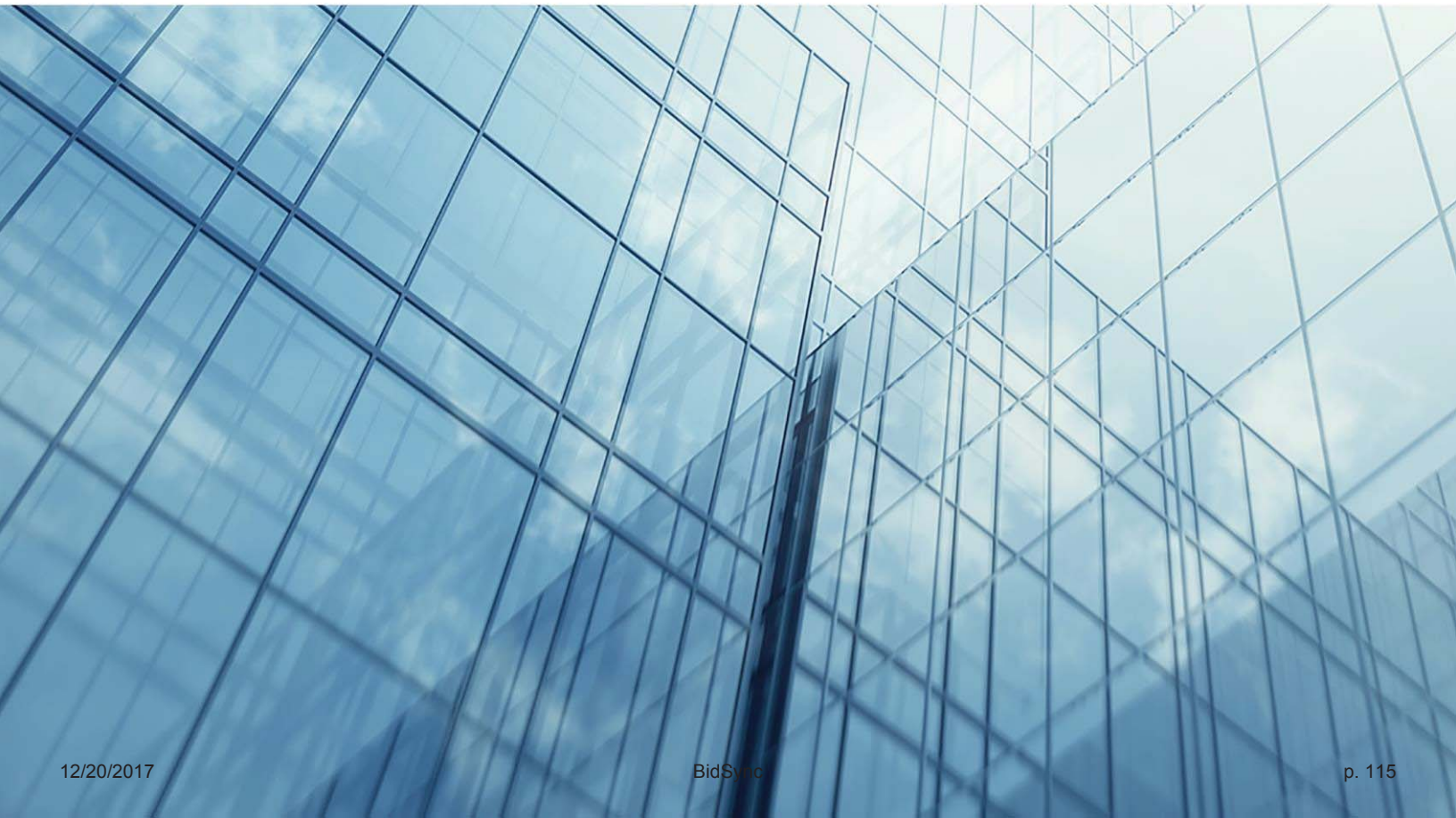
An invoice shall be submitted each month and include the percentage of work completed relevant to the fee and shall be reviewed and paid within 30 days of receipt.

The fee is fully loaded, and MCP recognizes that it is responsible for costs related to travel, housing, transportation, per diems, communications devices, and computer equipment. Any additional services contracted in subsequent years will be performed at MCP's then current fee schedule. Prior to initiating any such additional work, MCP would require a formal letter of authorization from Williamson County.

Based on the current MCP understanding of what is to be accomplished, the pricing identified above represents an estimate of the work anticipated for the project to be successful. MCP's priority is for this project to be successful for Williamson County.



F. References



Proposal References

List the last three (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this RFP package, were recently provided by Respondent.

Reference 1

Client Name: CAPCOG, Texas

Location: Austin, TX

Contact Name: Greg Obuch

Title: Emerg. Comm. Director

Phone: 512-916-6044

E-mail: gobuch@capcog.org

Contract Date To: May 2017

Contract Date From: February 2017

Contract Value: $ $40,423.00

Scope of Work: Support Development of Five Year Strategic Plan

Reference 2

Client Name: NCTCOG

Location: Arlington, TX

Contact Name: Christy Williams, ENP

Title: Chief 911 Program Mgr.

Phone: 817-695-9204

E-mail: cwilliams@nctcog.org

Contract Date To: Present

Contract Date From: August 2009

Contract Value: $ $6,532,978.15

Scope of Work: Comprehensive Next Generation 911 Services

Reference 3

Client Name: Tarrant County 9-1-1 District

Location: Fort Worth, TX

Contact Name: Greg Petrey

Title: Executive Director

Phone: 817-820-1188

E-mail GPetrey@tc911.org

Contract Date To: Present

Contract Date From: June 2012

Contract Value: $ $1,835,226

Scope of Work:

911 Customer Premises Equipment Procurement and Consulting

G. Conflict of Interest Questionnaire

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person doing business with local governmental entity.**

Mission Critical Partners, Inc.

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.**

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.**

None

4 **Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.**

None

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ
Page 2

5 **Name of local government officer with whom filer has affiliation or business relationship.**
(Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire?

☐ Yes ☐ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local governmental entity?

☐ Yes ☐ No

C. Is the filer of this questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☐ No

D. Describe each affiliation or business relationship.

None.

6. Describe any other affiliation or business relationship that might cause conflict of interest:

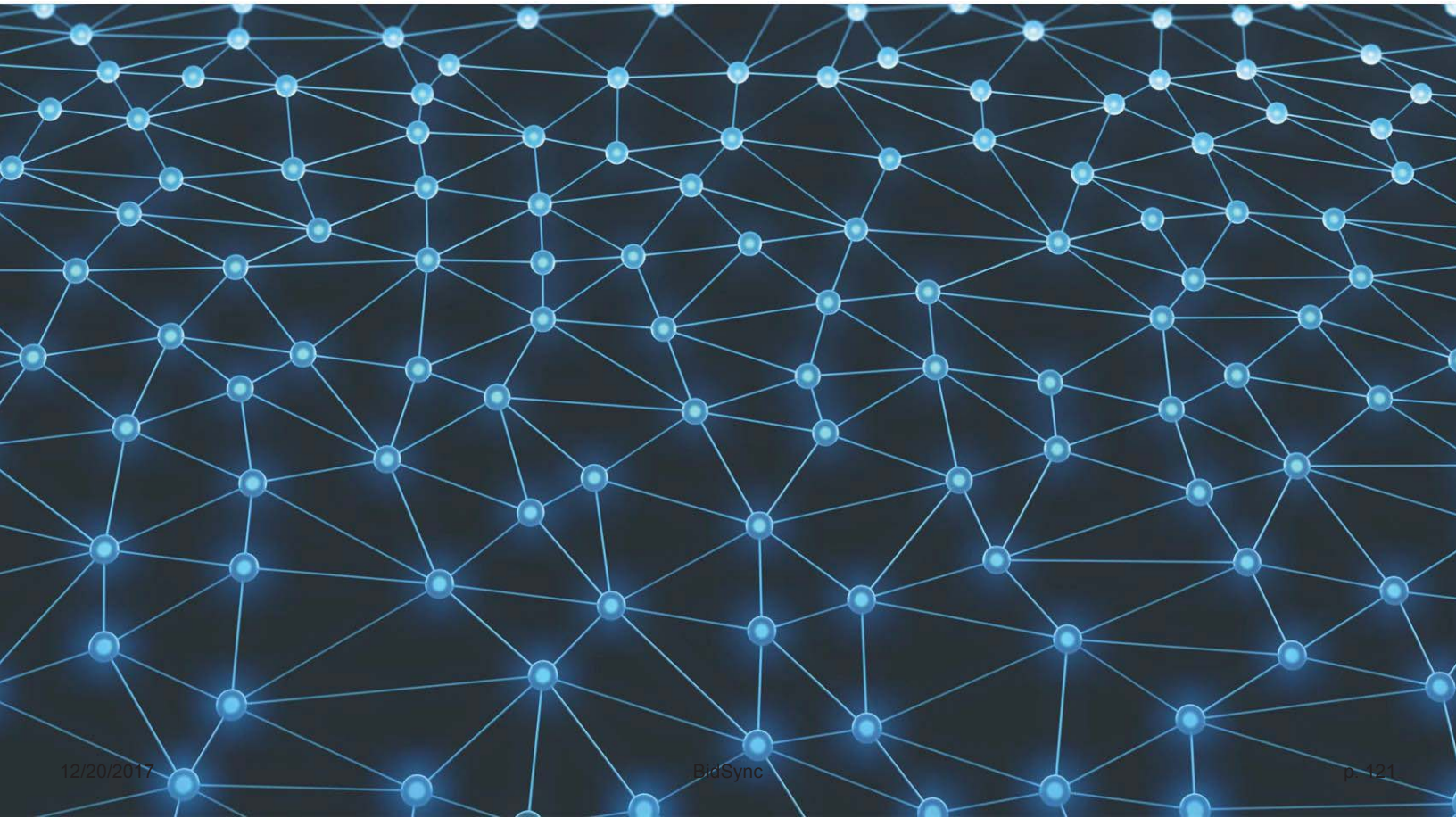
None.

7

Signature of person doing business with the governmental entity	Date

Signature not required if completing in BIDSYNC electronically.

H. Certificate of Interested Parties – Form 1295



CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

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:
2017-295537

Date Filed:
12/19/2017

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Mission Critical Partners, Inc.
Port Matilda, PA 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.
Solicitation 1710-200
9-1-1 Consulting

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Spearly, John	State College, PA United States		X
Jones, David	Keller, TX United States		X
Murray, R. Kevin	Port Matilda, PA United States	X	
Kowalski, Leonard	State College, PA United States	X	
Bark, Brian	Cecil, PA United States	X	

5 Check only if there is NO Interested Party. ☐

6 AFFIDAVIT

I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Joan M. Dashner, Notary Public
Patton Twp., Centre County
My Commission Expires Nov. 14, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said John L. Spearly, this the 19th day of December, 20 17, to certify which, witness my hand and seal of office.

Signature of officer administering oath	Printed name of officer administering oath	Title of officer administering oath
J M Dea	Joan M. Dashner	Notary

Forms provided by Texas Ethics Commission www.ethics.state.tx.us Version V1.0.3337

Williamson County, Texas

BidSync

I. Proposal Affidavit

PROPOSAL AFFIDAVIT

This form must be completed, signed, notarized and returned with Proposal package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit

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.

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."

Name of Respondent:	Mission Critical Partners, Inc.
Address of Respondent:	690 Grays Woods Blvd., Port Matilda, PA 16870
Email:	johnspearly@missioncriticalpartners.com
Telephone:	888-862-7911
Printed Name of Person Submitting Affidavit:	David F. Jones
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Proposal will in no way have a negative impact on the County's evaluation of the Proposal.

☒	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Respondent agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared John L. Spearly (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, John L. Spearly, (*Name of Signer*) am a duly authorized officer of/agent for Mission Critical Partners, Inc. (*Name of Respondent*) and have been duly authorized to execute the foregoing on behalf of the said Mission Critical Partners, Inc. (*Name of Respondent*).

SUBSCRIBED AND SWORN to before me by the above-named John L. Spearly on this the _____ day of _____, 20____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

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 on vendors outside a 50 mile radius from Williamson County, Texas.

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 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 $50.00 per day on overnight travel. On day travel (travel that does not require an overnight stay), meal reimbursements are limited to a maximum of $20.00 per day. The travel must be outside the Williamson County, Texas line by a 50 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 for vendors who do not have the necessary personnel located within a 50 mile radius of Williamson County, Texas that are capable of carrying the vendor's obligations to County. Meals will not be reimbursed to vendors who are located within a 50 mile radius of Williamson County, Texas.

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. early bird check in, 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 Williamson County, Texas by at least a 50 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 Nonreimbursable 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 Community outreach items exceeding $2 per item
10.27 Technology Fees
10.28 Sales tax on goods purchased
10.29 Any other expenses which Williamson County deems, in its sole discretion, to be inappropriate or unnecessary expenditures.

Blake Skiles

From: Scott Parker
Sent: Monday, January 22, 2018 4:27 PM
To: Blake Skiles
Cc: Melissa Pogue
Subject: Recommendation for 9-1-1 Consultant

Dear Blake,

The Committee formed for the selection of the 9-1-1 Consultant conducted interviews earlier today. The consensus selection by the team, after interviews, is Mission Critical Partners (MCP). It is the Committee's recommendation that MCP be considered a finalist and moved forward in the process.

The Committee consisted of the following members:



Thank you for all of your attention to this.

Respectfully,

Scott Parker, Lic-P, A.A.S.
Director
Emergency Communications
Williamson County, Texas
911 Tracy Chambers Lane
Georgetown, Texas 78626
9-1-1 Duty Officer: 512-864-8355
Office: 512-864-8249
Mobile: 512-744-3260
Pager: 512-205-7382
sparker@wilco.org

Respectful, Professional, Excellence in Service and Care

EVALUATION
RFP 1710-200 / 9-1-1 Consulting
January 8, 2018 9:00 AM

Evaluation Criteria	Maximum Score Points	Emergency Services Consulting Int'l	Matrix Consulting Group	Winbourne Consulting, LLC	Mission Critical Partners, Inc.	Federal Engineering, Inc.
General Requirements Organizational capabilities, organizational qualifications, staff qualification, staff experience, and training. (Submission Components #2, #3, and #4)	50	20	40	34	40	42
Technical Approach - Scope of Services Understanding of required assessment service, approach to assesment services, knowledge of benchmark and best practice standards, and any additional information. (Submission Components #5, #6, and #8)	20	5	16	17	15	19
Timeline and Cost (Submission Components #1 and #7)	20	10	17	14	16	13
Unique Qualifications or Experience Special consideration and scoring for unique information, experience, or insights offered that would give the candidate advantage in this type of project. (Submission Components #8, #9, and #10)	10	3	7	6	9	8
TOTAL	100	38	80	71	80	82

Voting Member

Signature

[redacted]

Commissioners Court - Regular Session **49.**

Meeting Date: 02/06/2018

Digital Cheeta

Submitted By: Kerstin Hancock, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving Services Subscription Agreement for Core Volunteer Management System between Digital Cheetah and Williamson County in the amount of a one-time fee of $495 and a monthly maintenance fee of $200, and authorizing the execution of the agreement.

Background

This agreement includes a Volunteer Management and Tracking Database for the Williamson County Regional Animal Shelter, Password protected Volunteer Portal, Volunteer Profile, Volunteer Directory, Volunteer Event Registration/Shift Signup, Volunteer Recurring Shift Self Registration, Volunteer Position Management, Form Builder, Phone App, Mass email integration,
Newsletters, Volunteer Opportunity Queue, Intake Management for New Volunteer Prospects, Online Payment for Application Fees, Volunteer Hours Tracker, Cheetah Track - Kiosk and Event Attendance Tracker, Reports, Data Import Tool for Initial Volunteer Data Load, Digital Cheetah Domain Management, Administrative User Training, Notes. The one-time $495 fee for the Volunteer Management System covers configuration and setup of the system, Volunteer Portal, Import of Historical Data (Contact Information and Service Hours) and Administrative Web-based Training. The $200 monthly fee covers maintenance, support, hosting & product upgrades for Volunteer Management System. This will be funded from account line 01.0545.004505, Software Maintenance budgeted for FY2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

agreement

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	02/01/2018 09:33 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 09:46 AM
Form Started By: Kerstin Hancock		Started On: 02/01/2018 08:31 AM
Final Approval Date: 02/01/2018		

digital cheetah®

SERVICES SUBSCRIPTION AGREEMENT

Parties:	"Digital Cheetah"	"Client"
Full Legal Name:	**DIGITAL CHEETAH SOLUTIONS, INC.**	WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER
Business Entity Type:	Corporation	Non-profit
Organized In:	State of Texas	State of Texas
Address:	510 S. Congress Avenue, Suite 306 Austin, TX 78704	1855 SE Inner Loop Georgetown, TX 78626
	Attn: Accounting Department	Attn: Cheryl Schneider
	Phone: 512-539-5522	Phone: 512-943-3597
	Email address: accounting@dcheetah.com	Email address: cschneider@wilco.org
Agreement Effective Date: January 26, 2018		

This Services Subscription Agreement (the "Agreement") sets forth the terms and conditions governing Digital Cheetah's provision to Client of a proprietary volunteer / member management solution and related services.

This Agreement, together with the Order Form attached to it, and any Order Forms and statements of work entered into by the parties from time to time, constitutes the entire agreement of the parties and supersedes any prior and contemporaneous oral or written understanding as to the parties' relationship and the subject matter hereof. Except as expressly set forth herein, this Agreement may only be modified in a writing signed by both parties. Additional or different terms in any purchase order or other communication from Client are void.

This Agreement may be executed in two or more counterparts, each of which will be deemed an original for all purposes, and together will constitute one and the same document. Once signed, both parties agree that any reproduction of this Agreement made by reliable means (for example, a photocopy, facsimile, or PDF file) is an original.

AGREED TO AND ACCEPTED:

"Digital Cheetah"

DIGITAL CHEETAH SOLUTIONS, INC.

Authorized Signature

Aj Tidwell

Print Name

President

Title

January 26, 2018

Date

AGREED TO AND ACCEPTED:

"Client"

WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER

Authorized Signature

Print Name

Title

Date

1. Definitions.

"Account" means any account or instance created by or on behalf of Client within the Services.

"Client Data" refers to electronic data, text, messages, communications, audio, video, images or other content submitted to and stored within the Hosted Services by Client and Users in connection with Client's use of the Hosted Services. Client Data may include, without limitation, Personal Data.

"Digital Cheetah Technology" means the proprietary technology (including graphics, data files, algorithms, user interfaces, software, hardware, know-how, techniques, designs, and other tangible or intangible technical material or information) provided or utilized by Digital Cheetah to make the Hosted Services available for access and use by Client including for the storage, retrieval, and processing of Client Data in connection with Client's use of the Hosted Services.

"Documentation" means the user guide, whether in written or electronic form, which specifies the functionalities and features of the Hosted Services or describe the Service Plans, as applicable, that Digital Cheetah provides or makes available to customers through its client portal. Documentation specifically excludes any "community moderated" forums provided or accessible through such portal or otherwise.

"Hosted Services" means the online Volunteer Management System described in Exhibit A made available by Digital Cheetah via the applicable login link and other web pages designated by Digital Cheetah, as updated or modified by Digital Cheetah from time to time. Hosted Services exclude Other Services as that term is defined in this Agreement.

"Order Form" means Digital Cheetah's then-current standard form generated by Digital Cheetah and executed or approved by Client with respect to Client's subscription to the Hosted Services, which form may detail, among other things, the Service Plan applicable to Client's subscription to the Hosted Services. The initial Order Form entered into by the parties is attached to this Agreement.

"Other Services" means third party offerings, products, services, or information which the Hosted Services link to or which Client may connect to or enable in conjunction with the Hosted Services including, without limitation, Other Services which may be integrated directly into Client's Account by Client or at Client's direction.

"Personal Data" means any information relating to an identified or identifiable natural person where an identifiable person is one who can be identified, directly or indirectly, in particular by reference to an identification number or to one or more factors specific to their physical, physiological, mental, economic, cultural or social identity.

"Software" means software provided by Digital Cheetah (either by download or access through the internet) that allows Users to use any functionality in connection with the Hosted Services.

"Subscription Fees" means the fees paid by Client for the right to access and use the Hosted Services during the applicable Term.

"Subscription Term" is defined in Section 10.a ("Subscription Term").

"Support Plan" means the support services provided by Digital Cheetah as selected by Client from the plans made available by Digital Cheetah.

"User" means an individual, whether a Client employee, member, volunteer, or other agent or consultant, who is authorized by Client to use the Hosted Services.

2. General Conditions; Access to and Use of the Services.

a. Access to the Services. During the Subscription Term and subject to compliance by Client and Users with this Agreement, Client has the limited right to access and use the Hosted Services for Client's internal business purposes. Digital Cheetah will make the Hosted Services and Client Data available to Client pursuant to this Agreement and the applicable Order Forms. Digital Cheetah will use commercially reasonable efforts to make the Hosted Services available to Client 24 hours a day, 7 days a week, except (i) during planned downtime for upgrades to and maintenance of the Services (of which Digital Cheetah will use commercially reasonable efforts to notify Client in advance through the Services ("Planned Downtime")); and (ii) for any unavailability caused by circumstances beyond the reasonable control of Digital Cheetah.

b. Access Requirements. A high speed Internet connection is required for proper transmission of the Hosted Services. Client is responsible for procuring and maintaining all hardware, software and services, including the network connections that connect Client's network to the Services and "browser" software that supports protocols used by Digital Cheetah, and for following procedures for accessing services that support such protocols.

c. Additional Responsibilities regarding Access to and Use of the Services.

i. Passwords and Accounts. Client is responsible for all activities conducted under its Account and User logins, and for all Client Data. Without limiting the foregoing, Client is solely responsible for ensuring that use of the Hosted Services to store and transmit Client Data is compliant with all applicable laws and regulations as well as any and all privacy policies, agreements or other obligations Client may maintain or enter into with Users. Client also maintains all responsibility for determining whether the Hosted Services or the information generated thereby is accurate or sufficient for Client's purposes. Client and Users are responsible for safeguarding the confidentiality of the User names and passwords, and of all Login information for the Account. Client will provide Digital Cheetah with prompt written notice regarding any unauthorized use of a User login, Client Data or the Hosted Services of which Client becomes aware, and will take all steps necessary to terminate such unauthorized use. In addition, Client will provide Digital Cheetah with any cooperation and assistance reasonably requested by Digital Cheetah related to any such unauthorized use.

ii. Client Content and Data. Client acknowledges and agrees that it (A) has responsibility for the accuracy and quality of all Client Data that is transmitted to, stored in, or accessed through the Hosted Services; (B) will ensure that Client Data complies with this Agreement, and applicable laws and regulations; and (C) will promptly handle and resolve any notices and claims from a third party claiming that any Client Data violates that party's rights, including regarding take-down notices pursuant to the Digital Millennium Copyright Act. Digital Cheetah does not monitor any Client Data transmitted through the Hosted Services.

iii. Other Client Obligations. Client agrees that it will not, and will not authorize or otherwise permit any Users to: (A) license, sublicense, sell, resell, rent, lease, transfer, assign, distribute, or time share the Hosted Services, (B) except as expressly permitted in this Agreement or in the Documentation, make the Hosted Services available to any third party, other than authorized Users in furtherance of Client's internal business purposes, (C) use the Hosted Services to process data on behalf of any third party other than Users, (D) modify, adapt, or hack the Hosted Services or otherwise attempt to gain unauthorized access to the Hosted Services or related systems or networks, (E) use the Hosted Services in any unlawful manner, including, but not limited to, violation of any person's privacy rights, (F) use the Hosted Services to send spam or otherwise duplicative or unsolicited messages in violation of applicable laws; (G) use the Hosted Services to send or store infringing, obscene, threatening, libelous, or otherwise unlawful or tortious material, including material harmful to children or violative of third party privacy rights; or (H) use the Hosted Services send or store material containing software viruses, worms, Trojan horses or other harmful computer code, files, scripts, agents or programs. Client also agrees not to interfere with, impair, overburden or disrupt the integrity or performance of the Hosted Services or the data contained in it or attempt to gain unauthorized access to the Hosted Services or the systems or networks used to provide it. Digital Cheetah reserves the right to modify, suspend or terminate the Hosted Services (or any part of the Hosted Services), Client's Account or Client's and/or Users' rights to access and use the Hosted Services, and remove, disable and discard any Client Data if Digital Cheetah reasonably believes that Client or Users have violated this Agreement. This includes the removal or disablement of Client Data in accordance with the requirements of the Digital Millennium Copyright Act. Unless legally prohibited from doing so, Digital Cheetah will use commercially reasonable efforts to notify Client directly via email when taking any of the foregoing actions. Digital Cheetah shall not be liable to Client or Users or any other third party for any such modification, suspension or discontinuation of Client's rights to access and use the Hosted Services.

d. Copyright and Proprietary Notices. Client acknowledges that Digital Cheetah will post in a mutually agreeable location on Client's instances of

the Services a "Created by Digital Cheetah" statement and logo in a size and prominence reasonably acceptable to Client.

3. Availability of Other Digital Cheetah Services.

a. **Availability of Support**. Upon Client's payment of applicable fees, Digital Cheetah will provide Client with the type of support services selected by Client from the Support Plans made available by Digital Cheetah. Digital Cheetah will automatically renew support (for the same Support Plan selected by Client during the prior period) by invoicing Client for the fee applicable to the next subsequent twelve month period (each, a "Support Period"). Renewal will be effective upon Digital Cheetah's receipt of Client's payment. If Client does not remit payment by the commencement date of the new Support Period, support will be cancelled. Client may also change the Support Plan or cancel support at the end of a Support Period by notifying Digital Cheetah per the process specified by Digital Cheetah.

b. **Availability of Professional Services**. If Client requests that Digital Cheetah provide Client with consulting, training, or other professional services, Digital Cheetah will prepare a statement of work describing the services to be performed, the obligations of each party, applicable charges, and any other applicable terms. To be effective, each statement of work must be signed by both parties. The parties agree that the specified Professional Services to be completed pursuant to any statement of work primarily involve the configuration of Client's subscription to the Services and integration of Client Data with and into the Services using Digital Cheetah's know-how, ideas, concepts, information, and Digital Cheetah Technology. Unless otherwise expressly specified in a statement of work, no deliverable provided in connection with the Professional Services provided pursuant to the Agreement constitutes a "work made for hire" under this Agreement. In the event that any such deliverable is held to be a work made for hire, Client hereby assigns to Digital Cheetah all right, title and interest therein or, to the extent such assignment is not permitted or effective, hereby grants to Digital Cheetah a perpetual, irrevocable, exclusive, worldwide, fully-paid, sub-licensable (through multiple layers), assignable license to any such deliverable.

4. Intellectual Property Ownership Rights.

a. **Ownership by Client**. As between Client and Digital Cheetah, Client or its licensors own all right, title, and interest in and to the Client Data. Client grants Digital Cheetah the right to use the Client Data solely to provide the Hosted Services and prevent or address service, support or technical problems. Client represents and warrants that Client has all rights in the Client Data necessary to grant these rights of use, and that such use does not violate any law or this Agreement. No title to or ownership of any proprietary rights related to the Client Data is transferred to Digital Cheetah pursuant to this Agreement. Client reserves all rights not expressly granted to Digital Cheetah.

b. **Ownership by Digital Cheetah**. As between Digital Cheetah and Client, Digital Cheetah or its licensors own all right, title, and interest in and to the Digital Cheetah Technology and the Hosted Services, including documentation as well as maintenance and support solutions for the Hosted Services. No title to or ownership of any proprietary rights related to the foregoing is transferred to Client pursuant to this Agreement. Digital Cheetah reserves all rights not expressly granted to Client.

5. Fees and Payment.

a. **Fees**. Client agrees to pay Digital Cheetah subscription and other fees as set forth in the applicable Order Form. In addition, Client will pay Digital Cheetah for professional services at Digital Cheetah's then current time and materials rates unless otherwise specified in the statement of work. Client agrees to reimburse Digital Cheetah for all miscellaneous out-of-pocket and travel expenses incurred by Digital Cheetah in accordance with the Williamson County Vendor Reimbursement Policy, a current copy of which is attached hereto as Exhibit B, in performing professional services provided such expenses have been pre-approved by Client.

b. **Fee Increases**. Digital Cheetah may change its fees by notifying Client in writing at least 30 days in advance of the effective date of the change except that Digital Cheetah will not increase such fees more than once annually. Fees for Other Services may change at any time as specified by the third party.

c. **Payment Terms**. Fees are due within 30 days from the date of Digital Cheetah's invoice (or as otherwise set forth in the invoice). Payment shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (i) the date Client receives the services which are the subject of the invoice under this Agreement; (ii) the date the performance of the services which are the subject of the invoice under this Agreement is completed; or (iii) the date the Williamson County Auditor receives an invoice for the services which are the subject of the invoice. Interest charges for any overdue payments shall be paid by Client 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 Client's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of (1) 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. All payments will be made in U.S. dollars. Amounts charged by Digital Cheetah do not include applicable taxes or similar fees now in force or enacted in the future resulting from any transaction under this Agreement. Client is responsible for all such amounts and will pay them in full (except for taxes based on Digital Cheetah's net income). Notwithstanding the foregoing, if Client is entitled to an exemption from any applicable taxes, Client is responsible for presenting Digital Cheetah with a valid exemption certificate (in a form reasonably acceptable to Digital Cheetah). Digital Cheetah will give effect to any valid exemption certificate provided in accordance with the foregoing sentence to the extent it applies following Digital Cheetah's receipt of the certificate. In addition to Digital Cheetah's other rights under this Agreement, Digital Cheetah may suspend Client's access to the Services, or cancel the Services, if Client's account remains past due ten days after Digital Cheetah provides Client written notice of a past due invoice.

d. **Right to Audit**. Digital Cheetah agrees that, to the extent required under Texas Government Code, §2262.154, Client 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 Digital Cheetah which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Digital Cheetah agrees that Client shall have access during normal working hours to all necessary Digital Cheetah facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of Texas Government Code, §2262.154. Client shall give Digital Cheetah reasonable advance notice of intended audits.

6. Warranties; Disclaimer.

a. **By Digital Cheetah**.

i. Non-Infringement. Digital Cheetah warrants that (A) it has the right to enter into and grant the rights described in this Agreement, and (B) the Hosted Services do not violate, misappropriate or infringe any United States copyrights, trade secrets or other intellectual property rights of any person or entity. In the event of any failure to conform to this warranty, Digital Cheetah will indemnify Client as set forth in Section 8.a (regarding Digital Cheetah's indemnification).

ii. Hosted Services Warranty. Digital Cheetah warrants that the Hosted Services will perform materially in accordance with the applicable Documentation. If the Hosted Services are nonconforming, Digital Cheetah will fix, provide a work around, or otherwise correct the Hosted Services. If Digital Cheetah is unable do so within a reasonable period of time, Digital Cheetah will terminate Client's access to the Hosted Services, this Agreement will terminate, and Digital Cheetah will refund to Client prepaid Subscription Fees on a prorated basis beginning with Client's notice of nonconformity.

iii. Professional Services Warranty. Digital Cheetah warrants that the Professional Services provided pursuant to the Agreement will be performed in a timely and professional manner, consistent with generally-accepted industry standards; provided that Client's sole and exclusive remedy for any breach of this warranty will be, at Digital Cheetah's option, re-performance of the Professional Services or termination of the applicable statement of work and return of the portion of the fees paid to Digital Cheetah by client for the nonconforming portion of the Professional Services.

b. **By Client**. Client warrants that (i) Client has the right to enter into and grant the license described in this Agreement, and (ii) Client Data does not violate, misappropriate or infringe any right of privacy or publicity or any United States copyrights, trade secrets or other intellectual property rights of any person or entity.

c. **Disclaimer**. **THE PROVISIONS OF SECTION 6.a CONSTITUTE CLIENT'S SOLE AND EXCLUSIVE REMEDY, AND DIGITAL CHEETAH'S SOLE AND EXCLUSIVE LIABILITY, FOR BREACH OF THE WARRANTIES SET FORTH IN THIS AGREEMENT. EXCEPT AS SET FORTH IN SECTION 6.a OF THIS AGREEMENT, SERVICES ARE PROVIDED ON AN "AS IS" AND "AS AVAILABLE" BASIS. DIGITAL CHEETAH AND ITS SUPPLIERS AND LICENSORS (COLLECTIVELY, "SUPPLIERS") EXPRESSLY DISCLAIM ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. DIGITAL CHEETAH MAKES NO WARRANTY THAT THE HOSTED SERVICES WILL BE UNINTERRUPTED, TIMELY, SECURE, OR ERROR FREE.** Digital Cheetah does not and cannot control the flow of data to or from Digital Cheetah's network and other portions of the Internet. Such flow depends in large part on the performance of Internet services provided or controlled by third parties. At times, actions or inactions of such third parties can impair or disrupt Client's connections to the Internet (or portions thereof). Digital Cheetah agrees to use commercially reasonable efforts to take all actions it deems appropriate to remedy and avoid such events. However, Digital Cheetah cannot guarantee that such events will not occur. Accordingly, Digital Cheetah disclaims any and all liability resulting from or related to such events. Digital Cheetah also disclaims any liability or warranty for Other Services.

7. CONFIDENTIALITY.

a. **Client Confidential Information**. Digital Cheetah acknowledges that any nonpublic information of Client (including Client Data) which Client discloses to Digital Cheetah or to which Digital Cheetah has access in the course of performing its obligations under this Agreement is confidential and proprietary to Client ("Client Confidential Information"). Digital Cheetah agrees to: (i) treat all Client Confidential Information with the same degree of care as it accords its own confidential information, but not less than reasonable care; (ii) use the Client Confidential Information only in connection with performing its obligations under this Agreement; and (iii) not disclose or disseminate the Client Confidential Information to any third party except as permitted herein. Digital Cheetah agrees that the only employees, agents, and contractors who will have access to Client Confidential Information will be those with a need to know who have agreed to abide by the obligations set forth in this Section pursuant to a written confidentiality agreement.

b. **Digital Cheetah Confidential Information**. The terms of this Agreement (including pricing), the Hosted Services, Digital Cheetah Technology, and other nonpublic information of Digital Cheetah constitute confidential information of Digital Cheetah ("Digital Cheetah Confidential Information"). Client agrees to: (i) treat all Digital Cheetah Confidential Information with the same degree of care as it accords to its own confidential information, but not less than reasonable care; (ii) use the Digital Cheetah Confidential Information only in connection with accessing the Hosted Services as permitted under this Agreement; and (iii) not disclose or disseminate the Digital Cheetah Confidential Information to any third party except as permitted herein. Client agrees that the only Client employees, agents, and contractors (including third party service providers providing services to Client) who will have access to Digital Cheetah Confidential Information will be those with a need to know who have agreed to abide by the obligations set forth in this Section pursuant to a written confidentiality agreement.

c. **Exceptions to Confidentiality**. Information will not be deemed Confidential Information of either Client or Digital Cheetah under this Agreement if such information: (i) is or becomes rightfully known to the recipient without any obligation of confidentiality or breach of this Agreement; (ii) becomes publicly known or otherwise ceases to be secret or confidential, except through a breach of this Agreement by the recipient of such Confidential Information; or (iii) is independently developed by the recipient of such Confidential Information. The foregoing exclusions do not apply to Personal Data in the Client Data. The recipient of such Confidential Information may disclose such Information pursuant to the requirements of a governmental agency or by operation of law, provided that the recipient gives the disclosing party reasonable prior written notice sufficient to permit the disclosing party to contest such disclosure.

8. Indemnification.

a. **By Digital Cheetah**. Digital Cheetah will defend Client from and against all claims, suits or actions arising out of or resulting from any action against Client that is based on any third party claim that the Hosted Services infringe that party's United States patents, copyrights, or trade secrets, and will pay the amount of any final judgment awarded (including reasonable attorney's fees and costs) or final settlement made with respect to such claim. In addition to Digital Cheetah's obligation of indemnification, if the Hosted Services becomes or, in Digital Cheetah's opinion, is likely to become the subject of a claim of infringement, Digital Cheetah may, at its option, either procure for Client the right to continue to access the Hosted Services or replace or modify the Hosted Services so that they are non-infringing. If neither of the foregoing alternatives is commercially reasonable, in Digital Cheetah's judgment, Digital Cheetah may terminate this Agreement, including terminating access to the Hosted Services. Notwithstanding the foregoing, Digital Cheetah will have no liability of any kind for any infringement or claim (i) based on the Client Data or the Other Services or (ii) which results from use of the Hosted Services in a manner prohibited under this Agreement or for which the Hosted Services were not designed.

b. **By Client**. Client will defend Digital Cheetah from and against all claims, suits or actions arising out of or resulting from any action against Digital Cheetah that is based on any third party claim that the Client Data violates, misappropriates or infringes any right of privacy or publicity or any United States copyrights, trade secrets or other intellectual property rights of any person or entity, and will pay the amount of any final judgment awarded (including reasonable attorney's fees and costs) or final settlement made with respect to such claim.

c. **Conditions to Indemnification; Entire Obligation**. To qualify for indemnification hereunder, the party requesting the indemnification is required to: (i) promptly notify the party providing the indemnification in writing of the existence of any such action; (ii) grant the indemnifying party the sole control of the defense, negotiation, compromise and settlement of such claim; provided however, that any such settlement does not impose any obligation of payment or admission of guilt, or any other material obligation (except customary obligations of confidentiality) on the indemnified party without that party's prior written consent; and (iii) cooperate with the indemnifying party with respect to any such claim. Either party may elect to participate in any such action with an attorney of its own choice and at its own expense. The foregoing states the entire obligation and liability of each party with respect to any third party claim.

9. Limitation of Liability.

a. **Disclaimer of Consequential and Other Damages**. Under no circumstances and under no legal theory (whether in contract, tort, negligence or otherwise) will either party to this Agreement, or their affiliates, officers, directors, employees, agents, service providers, suppliers or licensors be liable to the other party or any third party for any lost profits, lost sales or business, lost data, business interruption, loss of goodwill, or for any type of indirect, incidental, special, exemplary, consequential or punitive loss or damages, or any other loss or damages incurred by such party or third party in connection with this Agreement, the Hosted Services or the Professional Services, regardless of whether such party has been advised of the possibility of or could have foreseen such damages.

b. **Limitation on Liability**. Notwithstanding anything to the contrary in this Agreement, Digital Cheetah's aggregate liability to Client, Users or any third party arising out of this Agreement or otherwise in connection with any provision, use or employment of any of the services provided hereunder, including the Hosted Services, shall in no event exceed the Subscription Fees for the Hosted Services paid by Client during the twelve months prior to the first event or occurrence giving rise to such liability. Client acknowledges and agrees that the essential purpose of this Section 9.b is to allocate the risks under this Agreement between the parties and limit potential liability given the Subscription Fees, which would have been substantially higher if Digital Cheetah were to assume any further liability other than as set forth herein. Digital Cheetah has relied on these limitations in determining whether to provide Client with the rights to access and use the Hosted Services (and any other services) provided for in this Agreement.

c. **Exceptions in Some Jurisdictions**. Some jurisdictions do not allow the exclusion of implied warranties or limitation of liability for incidental or consequential damages, which means that some of the above limitations

may not apply to Client. In these jurisdictions, Digital Cheetah's liability will be limited to the maximum extent permitted by applicable law.

10. Termination.

a. **Subscription Term**. This Agreement will commence on the Effective Date, and remain in effect for a period of one year ("Initial Subscription Term"). After expiration of the Initial Subscription Term, this Agreement will automatically renew for successive one year terms (each, a "Renewal Subscription Term" and, together with the Initial Subscription Term, referred to as the "Subscription Term") unless it is terminated as specified herein.

b. **Termination**. 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. In the event of termination, Client will only be liable for its pro rata share of the services actually received.

c. **Effect of Termination and Survival**. Upon any termination or expiration of this Agreement, (i) Digital Cheetah will immediately cease providing access to the Hosted Services, (ii) each party will destroy the other party's Confidential Information, and (iii) all undisputed payments owed under this Agreement will immediately become due and payable. Upon Client's request made within 30 days after the effective date of termination or expiration of this Agreement, Digital Cheetah will make Client Data available to Client for export or download as provided in the Documentation. After such 30-day period, Digital Cheetah will have no obligation to maintain or provide any Client Data and will have the right to delete or destroy all copies of Client Data in the Digital Cheetah systems or otherwise in Digital Cheetah's possession or control, unless prohibited by law. The terms of any sections of this Agreement which by their nature are intended to extend beyond termination will survive termination of this Agreement for any reason.

11. General Provisions.

a. **Governing Law and Jurisdiction**. This Agreement will be exclusively governed and construed in accordance with the laws of the State of Texas without regard to the conflicts of law principles. Any legal action, suit, or proceeding in any way arising out of or in connection with this Agreement must be brought solely and exclusively in the courts of Williamson County in the State of Texas. The parties agree to use mediation for dispute resolution prior to and formal legal action being taken on this Agreement. The United Nations Convention on the International Sale of Goods will have no application to this Agreement. The parties also agree that regardless of any statute or law to the contrary, any claim or cause of action arising out of or related to this Agreement must be filed within two years after such claim or cause of action arose or be forever barred. If either party employs attorneys to enforce any rights arising out of or related to this Agreement, the prevailing party will be entitled to recover its reasonable attorneys' fees and costs from the other party.

b. **Public Statements**. Client agrees that Digital Cheetah may use Client's name and logo as a Digital Cheetah customer on Digital Cheetah's website and in marketing materials for use with customer prospects. Any other press release or public statement with respect to this Agreement requires the prior written consent of the other party.

c. **Supervision of Personnel; Independent Contractors**. Digital Cheetah is responsible for the supervision, direction, and control of its personnel engaged in performing its obligations under this Agreement. Digital Cheetah may subcontract a service, or any part of it, to subcontractors selected by Digital Cheetah. The relationship of Digital Cheetah and Client will be that of independent contractors, and nothing contained in this Agreement will constitute the parties as partners, joint venturers, or otherwise as agents or participants in a joint undertaking.

d. **Assignment**. Neither party may assign or transfer its rights or obligations under this Agreement without the other party's prior written consent except (i) to its affiliates, or (ii) in connection with a merger, acquisition or sale of all or substantially all of its assets. For purposes of this Section, "affiliate" means an entity that controls, is controlled by, or is under common control with, that party. Any purported assignment in violation of this Section will be null and void.

e. **Force Majeure**. Neither party will be liable to the other for any delay or failure to perform its obligations hereunder if such delay or failure arises from any cause or causes beyond that party's reasonable control.

f. **Notices**. All notices under this Agreement will be in writing and will be deemed to have been fully given and received at the addresses set forth in this Agreement or such other address as either party may specify in writing to the other: (i) when delivered in writing personally; (ii) when sent by confirmed facsimile or scan; (iii) five days after having been sent by registered or certified mail, return receipt requested, postage prepaid; or (iv) one day after deposit with a commercial overnight carrier, with written verification of such receipt.

g. **No Waiver; Severability**. A party's failure to exercise or enforce any right or provision of this Agreement will not constitute a waiver of such right or provision. If any provision of this Agreement will be unenforceable or invalid under any applicable law or be so held by a court of competent jurisdiction, such unenforceable or invalid provision will be construed, as nearly as possible, to reflect the intentions of the parties with the other provisions remaining in full force and effect.

Exhibit A
Description of Volunteer Management System

Core Volunteer Management System Deliverables
Volunteer Management and Tracking Database
Complete tracking of all volunteer data, including contact information, status, photo, employment, demographics, skills, attributes, availability, and more. Role-based security limits access to specified administrative features and sections of the system.
Password Protected Volunteer Portal
Our secure volunteer portal empowers your volunteers to edit their unique user account plus allows the many additional Volunteer Only features and functions made available to her/him, resulting in a highly personalized volunteer engagement experience with your organization. Our robust and easy to use web-based administrative tools will allow you to easily and successfully manage both your volunteer data as well as your volunteer's user experience.
Volunteer Profile
The online volunteer profile provides the ability for the volunteer to view their complete volunteer history with your organization. The volunteer can change her/his contact information and any other information specified via the secure volunteer portal.
Volunteer Directory
Your online searchable organization directory allows visibility for all volunteers to view information about other organizational volunteers. All information is private by default. The directory includes privacy settings which allow volunteers to choose to share contact data as they choose.
Volunteer Event Registration / Shift Signup
Volunteers have access to sign up for your organization's event-based activities. She/he will be presented with events and shifts to choose from with real time, first come first served capability. Automatically generated calendars and listing pages enable volunteers to easily view and register for organizational activities, shifts and events. Administrative capabilities for single event set up as well as mass entry and upload of recurring shifts.
Volunteer Recurring Shift Self-Registration
Ability for volunteers to view recurring shifts and sign up / cancel themselves for recurring schedules. Includes the ability for volunteers to sign up for every week, every other week, first week of the month, second week of the month, third week of the month, fourth week of the month, fifth week of the month.* * **Please note** this feature will be available by Fall 2017. Currently an administrator can permanently place a volunteer on a recurring shift and volunteers can sign up for a series of shifts at once, but cannot permanently place themselves on a schedule.
Volunteer Position Management
Track current volunteer position, history, position groups (committees, taskforces, etc.) for each volunteer with position reports and queries. Integrates with registration tool and email engine for streamlined communication and precise access control for managing and signing up for events.
Dynamic Form Builder
Create dynamic forms to collect information from both volunteers and non-volunteers. Receive administrative

notifications and track responses via response queue and Excel export.

iPhone/Android App for Volunteers

A free downloadable app from the Apple App Store or the Google Play Store is available for your volunteers. The app allows a volunteer to access the volunteer directory and other password-protected information on his/her mobile device

Mass Email Integration

Ability for your administrators to send emails in mass to volunteers and other contacts in your database utilizing our built-in email integration. An unlimited number of emails can be sent to any group or segment within the database.

Newsletters via MailChimp Integration

Ability for your administrators to send graphical newsletters in mass to volunteers in your database utilizing our built in MailChimp integration. (Note: MailChimp pricing can be viewed at http://mailchimp.com/pricing/ ; MailChimp is free for up to 2,000 active volunteers and affordable plans are available for additional active volunteers. A 15% discount is available off the listed prices for not-for-profits: http://mailchimp.com/for-nonprofits/)

Volunteer Opportunity Queue

Allow your volunteers to see a catalog of current opportunities available. Volunteers can search to find matches of interest to them and notify you of those interests through an automated process. Robust administrative tools streamline the review and assignment process.

Intake Management for New Volunteer Prospects

The intake manager provides the ability to accept online prospective volunteer applications with any necessary steps to be approved including waivers. System administrators can accept, reject, or have items fulfilled by user-initiated system activities. You have visibility and control over the entire volunteer prospect life cycle and progress.

Online Payment for Application Fees

Ability to accept payment online for application fees using Stripe, a leading third-party payment engine. See Solution Pricing for Stripe payment gateway fees. Online Payment integrates with Intake Management to automatically complete the payment fee application step once the payment has been made.*

*__Please note__ that we are upgrading from our existing payment engine to Stripe. This feature will be available by Fall 2017.

Volunteer Hours Tracker

Ability for volunteers to submit hours by type and amount. Administrators can view and review volunteer submitted hours for approval or rejection. Integrates with the registration tool to automatically calculate and track volunteer hours.

CheetahTrack® – Kiosk and Event Attendance Tracker Module

CheetahTrack streamlines attendance tracking through a PC kiosk, Mac kiosk or a mobile device. The solution includes QR/barcode badge generation. (Note: Hardware is not included and is purchased through a third-party. Contact us for hardware vendor and scanner recommendations)

Standard Reports

Core Volunteer Management System standard reports include reports such as current volunteer rosters by status, historical volunteer rosters by status, volunteer by language/skill, hours tracking and position information. Standard animal welfare reports will be included to allow the ability to filter and customize data to allow for greater flexibility in reporting.

Data Import Tool for Initial Volunteer Data Load

Our data import tool enables you to migrate your current volunteers to the Digital Cheetah system. We will provide a standard Excel format to allow an import of existing volunteer contact information. Custom data migration quotes are

available on request.

Digital Cheetah Domain Management

- Digital Cheetah will manage the domain name of the Williamson County Regional Animal Shelter; the Williamson County Regional Animal Shelter will retain legal ownership of their domain:
    - Member-Only Areas. For the Member-Only Areas, Digital Cheetah provides two options: Client may transfer its domain name (or nameserver) ("Client Domain Name") to Digital Cheetah for Digital Cheetah's use in providing Client with the Client Website, or Client may elect to use a subdomain (currently clientname.volunteerportal.org or clientname.memberportal.org, subject to availability) of Digital Cheetah's portals.
    - Public-Facing Area. For the Public-Facing Areas, Client must transfer the Client Domain Name to Digital Cheetah for Digital Cheetah's use in providing Client with the Client Website.
- Upon termination of this agreement, Digital Cheetah will promptly transfer the Client Domain Name to Client.

Administrative User Training

Eight (8) hours of best practice planning and administrative user training on all features, applications, and functionality is included. Training is also available via live training webinars, recorded on-demand trainings, and searchable online step-by-step help guides. Additional custom webinar trainings tailored to your precise needs are also available at $60 per hour or $30 per half hour.

Notes & Assumptions

This agreement is intended for a single-use organization instance of the Digital Cheetah Volunteer Management System. Contact your Digital Cheetah representative if an enterprise solution or multi-organization configuration is desired.

Exhibit B
Williamson County Vendor Reimbursement Policy

Attached

digital cheetah®

Service Order Form

All information, including pricing, contained in this Service Order Form is confidential.

Client Details	Order Details

Client Name: Williamson County Regional Animal Shelter
Billing Contact: Cheryl Schneider
Billing Address: 1855 SE Inner Loop, Georgetown, TX 78626
Billing Email: cschneider@wilco.org
Billing Phone: 512-943-3597

Order #: 8490
Order Date: January 26, 2018

Payment Terms and Frequency

Billing Frequency: Installment payment is due upon client signature.
Maintenance, support, hosting fees will be invoiced monthly.
Monthly fees can be invoiced annually upon request.

License, Configuration, Professional Services Fees

Description of Service	Total One-time Fee
Volunteer Management System This one-time fee includes configuration and setup of Volunteer Management System, Volunteer Portal, Import of Historical Data (Contact Information and Service Hours), and Administrative Web-based Training.	**$495.00**

Payment Schedule	Installment Amount	Due Date
Installment:	$495	Upon Signing

Hosted Services & Support Fees

Description of Service	Total Monthly Fee
Maintenance, Support, Hosting & Product Upgrades for Volunteer Management System	$200.00 / month

Commissioners Court - Regular Session **50.**

Meeting Date: 02/06/2018

Approval of SO shelving

Submitted By: Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of shelving from Southwest Solutions Group for the Williamson County Sheriff's Office in the amount of $90,949.86 pursuant to NJPA contract #031715-KII.

Background

This purchase is being made from the 570 Sheriffs Office budget, line item 5008, Law Enforcement Equipment > 5,000 as approved for FY2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

SO Shelving

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	02/01/2018 09:39 AM
Purchasing (Originator)	Randy Barker	02/01/2018 09:47 AM
County Judge Exec Asst.	Wendy Coco	02/01/2018 10:50 AM
Form Started By: Jayme Jasso		Started On: 02/01/2018 08:52 AM
Final Approval Date: 02/01/2018		

Southwest Solutions Group, Inc.
2300 Greenhill Dr.
Bldg. H Suite 800
Round Rock, TX 78664
Phone: (800) 803-1083

www.southwestsolutions.com

SOUTHWESTSOLUTIONSGROUP
business efficiency systems

Quote # 93767

Date: January 2, 2018
Project # 49162

Quote valid for 90 days.

Credit Card payments over $25,000 are subject to a 2.50% Convenience Fee

BILL TO:

Williamson County Sheriff's Office
508 South Rock Street
Georgetown, TX 78626

INSTALL TO:

Williamson County Sheriff's Office
508 South Rock Street
Georgetown, TX 78626

SALESPERSON	QUOTE NAME	PAYMENT TERMS	LEAD TIME
Brandon Baird	Williamson County Sheriff Property & Evidence Main Room Spacesaver	Net 30 - Billable upon delivery, payment due in 30 days	6 to 8 weeks (after receipt of order)

49162-MAIN-1D: Main Room: NJPA

LINE	DESCRIPTION	
1	Per Drawing: 49162-MAIN-1D Nine double faced mobile units, High Density Hand Crank operation, 16'0" long x 48" deep x 8'8 7/8" high. All shelving will be provided with 6 openings per face. Laminate end panels provided for the ends of all mobile units. Installation, freight, delivery and handling included in final pricing. Per NJPA contract pricing: 031715-KII	$90,949.86

Subtotal:	$90,949.86
Add sales tax if applicable:	$0.00
Total:	**$90,949.86**

Option Accepted (initial here)

Financing and leasing options are available. Call for details.

Authorized Signature: Date: P.O. #:



Commissioners Court - Regular Session **51.**

Meeting Date: 02/06/2018

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:
a) Business prospect(s) that may locate or expand within Williamson County.
b) Discuss Pearson Road District.
c) Discuss North Woods Road District.
d) Project Columbus Balbo
e) Mega Site
f) Texas State Gold Depository
g) Project New World
h) Coop District Development
i) Project Amazon
j) Project Valero
k) Wolf Lakes

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 11:51 AM
Form Started By: Charlie Crossfield		Started On: 02/01/2018 11:00 AM
Final Approval Date: 02/01/2018		

Commissioners Court - Regular Session **52.**

Meeting Date: 02/06/2018

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 third person.)

A. Real Estate Owned by Third Parties

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

a) Discuss the acquisition of real property for right-of-way for N. Mays St. Extension

b) Discuss the acquisition of real property for SW 183 and SH 29 Loop.

c) Discuss the acquisition of real property for CR 176 at RM 2243

d) Discuss the acquisition of real property for N. Mays Extension.

e) Discuss the acquisition of real property: CR 101

f) Discuss the acquisition of real property: CR 200

g) Discuss the acquisition of real property for CR 278 at Bagdad Rd.

h) Discuss the acquisition of real property for proposed CR 110 project. (All sections)

i) Discuss the acquisition of real property for County Facilities.

j) Discuss the acquisition of Easement interests for the Brushy Creek Trail Project.

k) Discuss acquisition of property located at NEC of Toll 130 and Gattis School Rd.

l) Discuss the acquisition of a drainage easement for CR 108.

m) Discuss the acquisition of real property and easements from San Gabriel River Ranch Subdivision.

n) Discuss the acquisition of real property for CR 278 @ Bagdad Rd.

o) Discuss the acquisition of real property for Seward Junction SE Loop.

p) Discuss the acquisition of real property for SH 29 @ DB Wood.

q) Discuss the acquisition of real property for Hairy Man Rd.

r) Discuss the acquisition of real property for SW Bypass.

s) Discuss the acquisition of real property for Crossroad Acres.

t) Discuss proposed acquisition of real property on CR 138.

u) Discuss proposed acquisition of real property at Highland Springs Lane.

v) Discuss Somerset Road Districts No. 3 & 4 reimbursements for acquisition & construction of Reagan Blvd.

w) Discuss Cedar Hollow low water crossings and Lost River.

x) Discuss the acquisition of real property- Condra Funeral Home- Taylor, Texas

y) Discuss the acquisition of real property- S&D Plumbing- Taylor, Texas

z) Discuss the acquistiion of Real Estate for Tower Site.

B. Property or Real Estate owned by Williamson County

B). Preliminary discussions relating to 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 sale of 183 A excess right of way

c) Discuss proposed sale of real estate of Blue Springs Blvd

d) Discuss transfer of right of way for Westinghouse Rd. to the City of Georgetown.

e) Discuss wastewater easements in Berry Springs Park

f) Discuss Development Agreement with Ashby Capital Investments, LLC

g) Discuss sale of County property on Ronald Reagan Blvd.

h) Discuss abandonment of County property on CR 123.

i) Discuss possible sale or exchange of property at 350 Exchange Boulevard, Hutto, Texas

j) Discuss possible sale of +/- 10 acres located on Chandler Road near the County Sheriff's Office Training Facility

k) Discuss possible sale/disposition of a portion of CR 117.

l) Discuss possible sale or exchange of property to LCRA.

m) Discuss sale of property adjacent to Blue Springs Boulevard, Georgetown, Texas.

n) Discuss the Interlocal Agreement with BRA for CR 305
o) Discuss the possible sale of a portion of the Candle Factory tract.
C. Consider intervention in lawsuit regarding de-listing of Bone Cave harvestman.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	02/01/2018 11:51 AM
Form Started By: Charlie Crossfield		Started On: 02/01/2018 10:59 AM
Final Approval Date: 02/01/2018		