DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, FORT WORTH DISTRICT
P.O. BOX 17300
FORT WORTH, TX 76102-0300

May 2, 2025

Real Estate Division

SUBJECT: Lake Georgetown, Texas; Supplemental Agreement No. 1 to Consent No. DACW63-9-05-0527

Mr. Adam Boatright
Williamson County Engineer
Williamson County
3151 Southeast Inner Loop
Georgetown, Texas 78626

Dear Mr. Boatright:

Enclosed is the subject supplemental agreement granting you permission to construct, operate, and maintain two additional bridges and associated roadway at Lake Georgetown, Texas.

Please sign, date, and return the supplemental agreement to the above address, Attention: CESWF-RE-M (Ms. Lanell Woodard). Once signed, the fully executed supplemental agreement shall be returned to you and shall be officially recorded by you and filed with the county of record.

If you have any questions, please contact Ms. Lanell Woodard, 817-886-1991 or glennis.l.woodard@usace.army.mil.

Sincerely,

James Miller

James B. Miller
Chief, Management and Disposal Branch
Real Estate Division

Enclosure

CONSENT NO. DACW63-9-05-0527

SUPPLEMENTAL AGREEMENT NO. 1

TO

CONSENT NO. DACW63-9-05-0527

GEORGETOWN LAKE, TEXAS

This Supplemental Agreement No. 1 is made and entered into between the Secretary of the Army, party of the first part, hereinafter referred to as the Government, and Williamson County, Texas, 710 Main Street, Suite 201, Georgetown, Texas 78626, party of the second part, hereinafter referred to as the Grantee;

W I T N E S S E T H:

WHEREAS, on March 2, 2005, the Government granted to Williamson County, Texas, the above numbered consent to construct two bridges and a roadway at Georgetown Lake, Texas, as more specifically described in said consent.

WHEREAS, Grantee has requested permission to construct two additional bridges and associated roadway.

NOW THEREFORE, Consent No. DACW63-9-05-0527 is hereby amended in the following respects only:

1. Delete the granting clause of the original consent in its entirety and substitute in lieu thereof:

NOW THEREFORE, the United States hereby gives consent to Williamson County, Texas, 710 Main Street, Georgetown, Texas 78626, to construct, maintain, and repair four (4) bridges and associated roadways at the locations shown on **EXHIBITS A1 to A5 – DESIGN PLAN, B1 – MAP, and C1 – SURVEY,** attached hereto;

2. Add Exhibit B1 – Map

3. Add Exhibit C1 – Survey

4. Add Exhibit D1 – Design Plan

5. Add Exhibit E1 – Cut and Fill Plan

6. Insert the following Conditions:

9. This project estimates cutting approximately 9,980 cubic yards of soil and adding approximately 8,241 cubic yards of fill, resulting in approximately 1,739 cubic yards of net flood storage gain, as shown on **EXHIBIT E1 – CUT AND FILL PLAN**.

10. All work must be performed in accordance with the design plan, attached as **EXHIBIT D1 - DESIGN PLAN**. All changes and/or additions to the design plan must be approved by the Lake Office prior to construction.

11. Grantee shall contact the Lake Office to schedule an inspection of the construction site prior to commencement of work.

12. This project is being reviewed by the U.S. Army Corp of Engineers Regulatory Department under project No. SWF-2022-00490. Grantee shall comply with any terms and conditions of the regulatory review.

13. The Grantee is responsible for ensuring that the fully executed consent is officially recorded and filed in the county of record, and a copy is provided to the undersigned Real Estate Contracting Officer within 30 days of receipt.

EXCEPT for the revision above, the terms and conditions of the consent shall remain unchanged and in full force and effect.

THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, I have hereunto set my hand by authority of the Secretary of the Army, this _____ day of_____, 2025.

Lee A. Flannery
Deputy Chief, Real Estate Division
Real Estate Contracting Officer

The above instrument, together with all the conditions thereof, is hereby accepted this _____ day of_____, 2025.

Williamson County, Texas

_____
Signature

_____
Title

ACKNOWLEDGMENT

STATE OF TEXAS §
§ **SS.**
COUNTY OF TARRANT §

On this _____ day of _____, 2025, before me, the undersigned officer, personally appeared within named _____, _____ _____, United States Army Corps of Engineers, Fort Worth District, on behalf of the United States of America, and known to me to be the person whose name is subscribed to the foregoing instrument by virtue of the above-cited authority and acknowledged to me that he executed the same in such capacity for the purposes and consideration therein expressed.

Given under my hand and seal this _____ day of _____, 2025.

_____
Notary Public, State of Texas
My Commission Expires:_____
Printed Name:_____

STATE OF TEXAS §
§ **SS.**
COUNTY OF _____ §

On this _____ day of _____, 2025, before me, the undersigned officer, personally appeared _____, known to me to be the person described in the foregoing instrument, who acknowledged that he executed the same in the capacity therein stated and for the purpose therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

_____
Notary Public, State of Texas
My Commission Expires:_____
Printed Name:_____

CERTIFICATE OF AUTHORITY

I, _____ (Name), certify that I am the _____ (Title) of **Williamson County, Texas**, named as the Grantee herein; and that _____ (signator of outgrant), who signed the foregoing instrument on behalf of the Grantee, was then _____ (title of signator of outgrant) of **Williamson County, Texas**. I further certify that the said officer was acting within the scope of powers delegated to this governing body of the Grantee in executing said instrument.

Williamson County, Texas

_____
Date

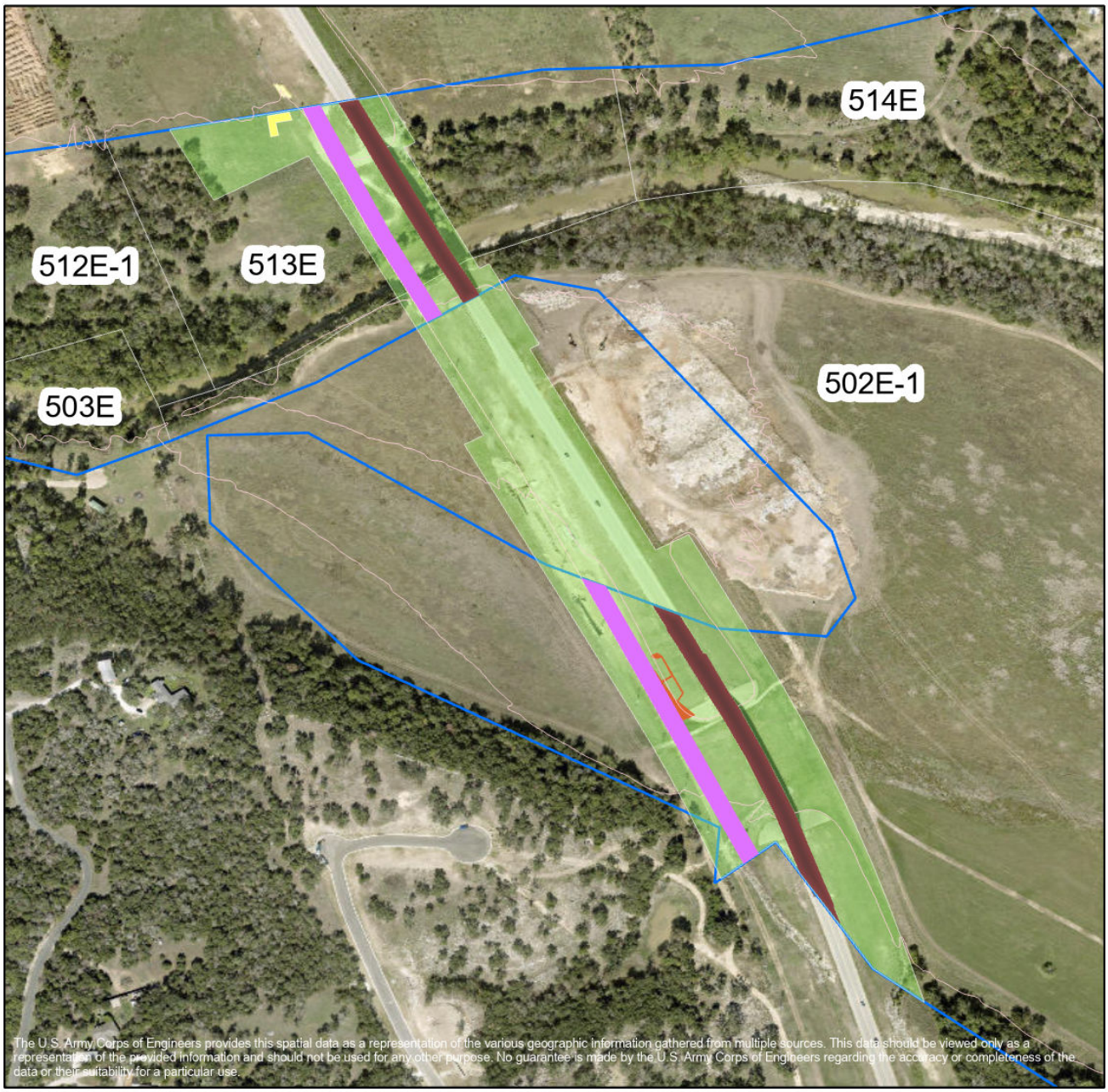
_____
Authorized Representative

_____
Title

AFFIX COMPANY SEAL

NOTE: This form certifies that the person signing the attached instrument has the authority to do so. The signature of the Secretary/Attesting Officer and the individual signing the attached instrument cannot be the same person.

CONSENT
Ronald Reagan Blvd, Liberty Hill, Texas 78642
Bridge Construction Request
Lake Georgetown



US Army Corps of Engineers

Tract(s):
NF - 513E & 502E-1

- EXCAVATION AREA
- EASEMENT
- FLOWAGE EASEMENT
- WATER QUALITY POND
- PROPOSED ROADWAY
- EXISTING ROADWAY

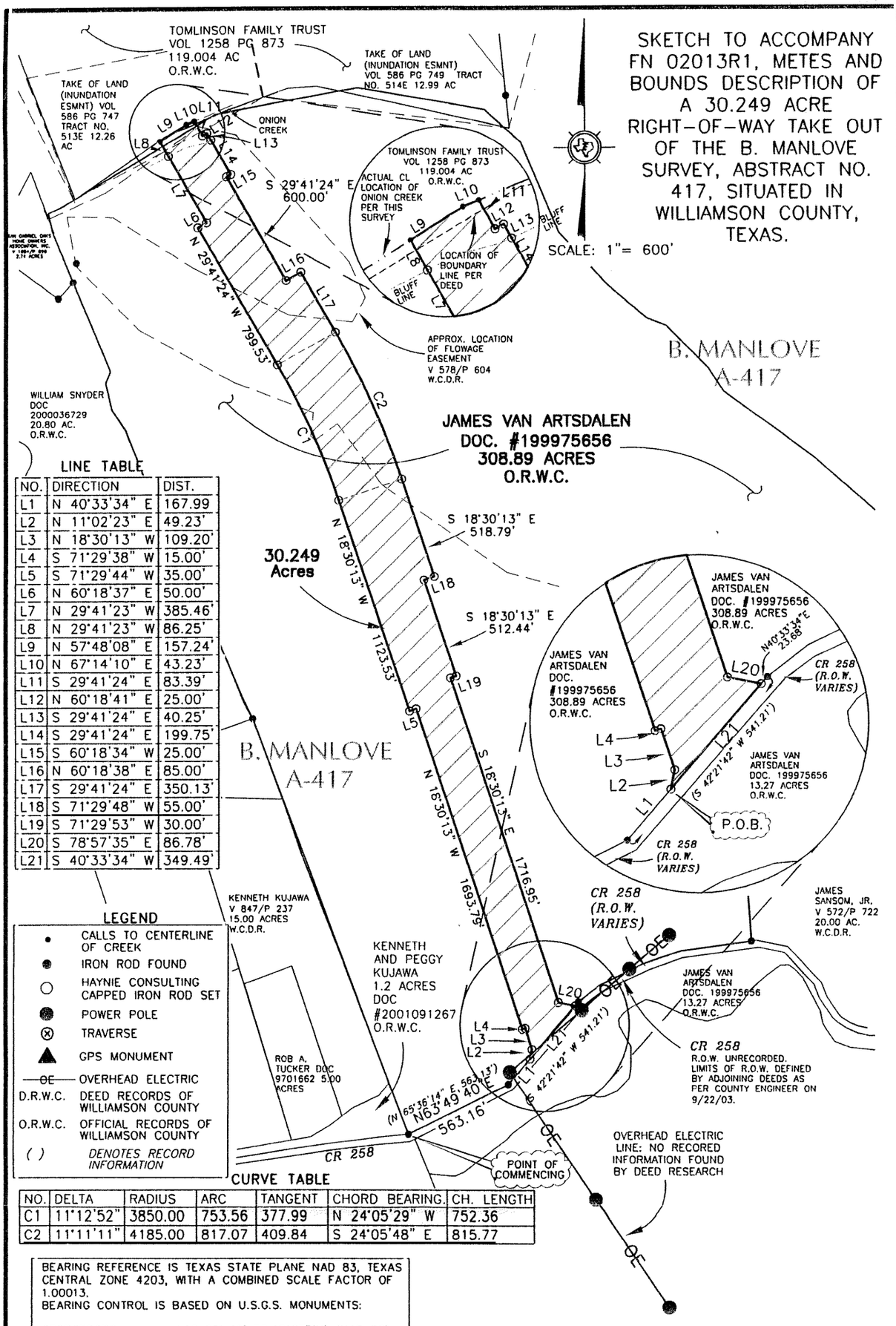
N
W E
S

0 300 600
Feet

1 inch = 386 feet

SKETCH TO ACCOMPANY FN 02013R1, METES AND BOUNDS DESCRIPTION OF A 30.249 ACRE RIGHT-OF-WAY TAKE OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417, SITUATED IN WILLIAMSON COUNTY, TEXAS.

SCALE: 1"= 600'



LINE TABLE

NO.	DIRECTION	DIST.
L1	N 40°33'34" E	167.99'
L2	N 11°02'23" E	49.23'
L3	N 18°30'13" W	109.20'
L4	S 71°29'38" W	15.00'
L5	S 71°29'44" W	35.00'
L6	N 60°18'37" E	50.00'
L7	N 29°41'23" W	385.46'
L8	N 29°41'23" W	86.25'
L9	N 57°48'08" E	157.24'
L10	N 67°14'10" E	43.23'
L11	S 29°41'24" E	83.39'
L12	N 60°18'41" E	25.00'
L13	S 29°41'24" E	40.25'
L14	S 29°41'24" E	199.75'
L15	S 60°18'34" W	25.00'
L16	N 60°18'38" E	85.00'
L17	S 29°41'24" E	350.13'
L18	S 71°29'48" W	55.00'
L19	S 71°29'53" W	30.00'
L20	S 78°57'35" E	86.78'
L21	S 40°33'34" W	349.49'

LEGEND

- CALLS TO CENTERLINE OF CREEK
- IRON ROD FOUND
- HAYNIE CONSULTING CAPPED IRON ROD SET
- POWER POLE
- TRAVERSE
- GPS MONUMENT
- OE — OVERHEAD ELECTRIC
- D.R.W.C. DEED RECORDS OF WILLIAMSON COUNTY
- O.R.W.C. OFFICIAL RECORDS OF WILLIAMSON COUNTY
- ( ) *DENOTES RECORD INFORMATION*

CURVE TABLE

NO.	DELTA	RADIUS	ARC	TANGENT	CHORD BEARING	CH. LENGTH
C1	11°12'52"	3850.00	753.56	377.99	N 24°05'29" W	752.36
C2	11°11'11"	4185.00	817.07	409.84	S 24°05'48" E	815.77

BEARING REFERENCE IS TEXAS STATE PLANE NAD 83, TEXAS CENTRAL ZONE 4203, WITH A COMBINED SCALE FACTOR OF 1.00013.
BEARING CONTROL IS BASED ON U.S.G.S. MONUMENTS:

GEORGEPORT	LAT 30° 40' 53.48127"(N) (NAD 83)
	LONG 97° 41' 07.17138"(W) (NAD 83)
HOG MOUNTAIN	LAT 30° 55' 07.21931"(N) (NAD 83)
	LONG 97° 46' 13.56682"(W) (NAD 83)

I, RAY D. WEGER, R.P.L.S., CERTIFY THAT THIS SURVEY PLAT IS AN ACCURATE REPRESENTATION OF THE EVIDENCE FOUND BY AN ON THE GROUND SURVEY PERFORMED DURING THE MONTHS OF NOVEMBER AND DECEMBER 2002 UNDER MY SUPERVISION.

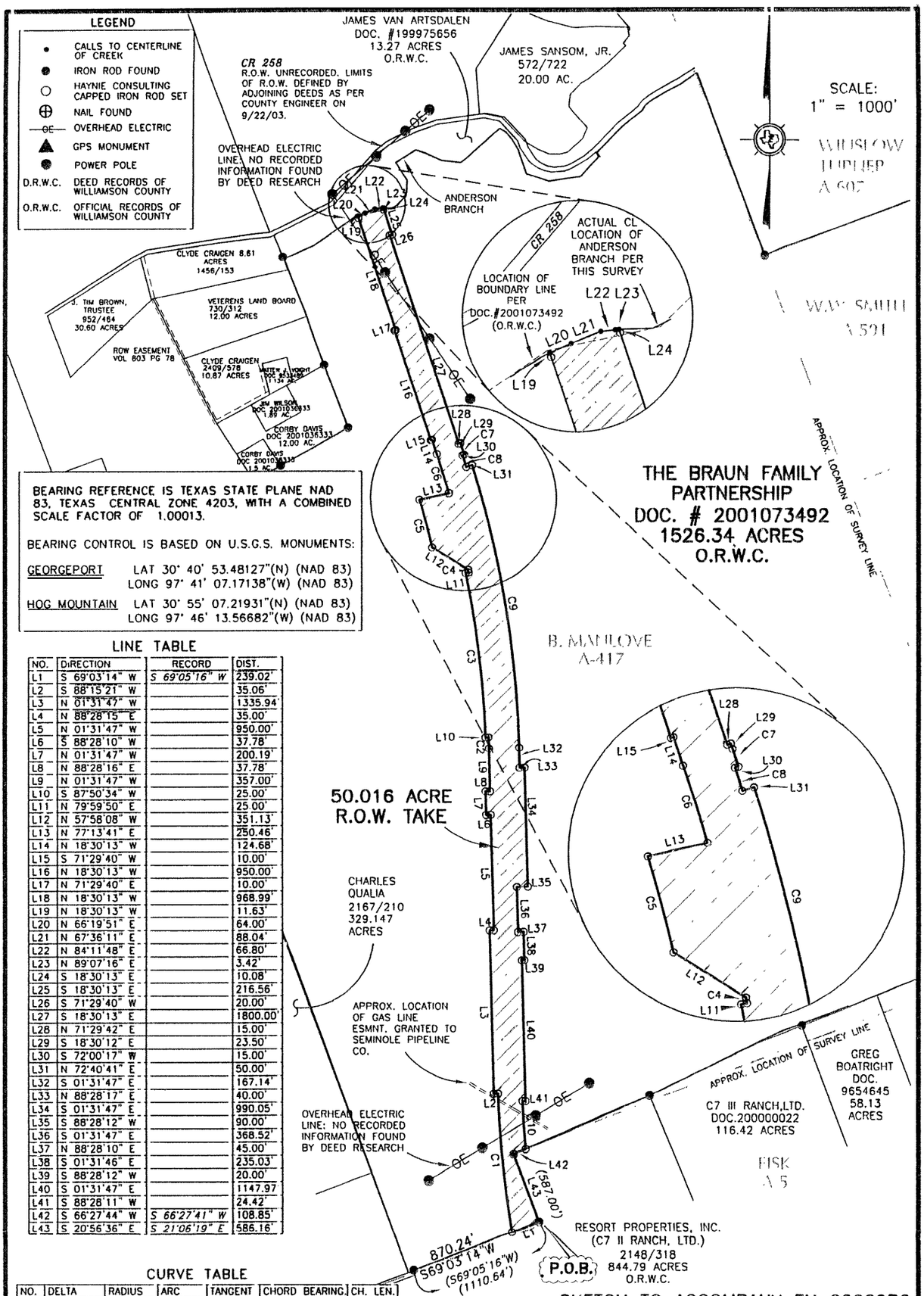
STATE OF TEXAS REGISTERED Ray D. Weger 4711 PROFESSIONAL LAND SURVEYOR

RAY D. WEGER R.P.L.S. 4711 — DATE 09/23/03

JOB NO. 564-003
SURVEY PLAT SP 02013R1 FILE SP02013(9-15-03)

HAYNIE CONSULTING, INC.
Civil Engineers and Land Surveyors
1010 Provident Lane
Round Rock, Texas 78664-3276
Ph: 512-837-2446 Fax: 512-837-9463

EXT 207



LINE TABLE

NO.	DIRECTION	RECORD	DIST.
L1	S 69°03'14" W	S 69°05'16" W	239.02'
L2	S 88°15'21" W		35.06'
L3	N 01°31'47" W		1335.94'
L4	N 88°28'15" E		35.00'
L5	N 01°31'47" W		950.00'
L6	S 88°28'10" W		37.78'
L7	N 01°31'47" W		200.19'
L8	N 88°28'16" E		37.78'
L9	N 01°31'47" W		357.00'
L10	S 87°50'34" W		25.00'
L11	N 79°59'50" E		25.00'
L12	N 57°58'08" W		351.13'
L13	N 77°13'41" E		250.46'
L14	N 18°30'13" W		124.68'
L15	S 71°29'40" W		10.00'
L16	N 18°30'13" W		950.00'
L17	N 71°29'40" E		10.00'
L18	N 18°30'13" W		968.99'
L19	N 18°30'13" W		11.63'
L20	N 66°19'51" E		64.00'
L21	N 67°36'11" E		88.04'
L22	N 84°11'48" E		66.80'
L23	N 89°07'16" E		3.42'
L24	S 18°30'13" E		10.08'
L25	S 18°30'13" E		216.56'
L26	S 71°29'40" W		20.00'
L27	S 18°30'13" E		1800.00'
L28	N 71°29'42" E		15.00'
L29	S 18°30'12" E		23.50'
L30	S 72°00'17" W		15.00'
L31	N 72°40'41" E		50.00'
L32	S 01°31'47" E		167.14'
L33	N 88°28'17" E		40.00'
L34	S 01°31'47" E		990.05'
L35	S 88°28'12" W		90.00'
L36	S 01°31'47" E		368.52'
L37	N 88°28'10" E		45.00'
L38	S 01°31'46" E		235.03'
L39	S 88°28'12" W		20.00'
L40	S 01°31'47" E		1147.97'
L41	S 88°28'11" W		24.42'
L42	S 66°27'44" W	S 66°27'41" W	108.85'
L43	S 20°56'36" E	S 21°06'19" E	586.16'

CURVE TABLE

NO.	DELTA	RADIUS	ARC	TANGENT	CHORD BEARING	CH. LEN.
C1	08°01'15"	8100.00	1133.90	567.88	N 05°45'17" W	1132.98
C2	00°37'42"	8400.00	92.12	46.06	N 01°50'38" W	92.12
C3	09°24'51"	8375.00	1376.09	689.59	N 06°51'54" W	1374.54
C4	00°09'26"	8400.00	23.04	11.52	N 11°38'46" W	23.04
C5	02°52'41"	8150.00	409.39	204.74	N 14°52'16" W	409.35
C6	02°17'56"	8400.00	337.02	168.53	N 17°21'15" W	336.99
C7	00°30'56"	8615.00	77.52	38.76	S 18°15'13" E	77.52
C8	00°40'27"	8600.00	101.18	50.59	S 17°39'32" E	101.18
C9	15°47'32"	8650.00	2384.15	1199.68	S 09°25'33" E	2376.61
C10	02°50'19"	7900.00	391.41	195.74	S 03°38'45" E	391.37

SKETCH TO ACCOMPANY FN 02009R2, METES AND BOUNDS DESCRIPTION OF A 50.016 ACRE RIGHT-OF-WAY TAKE OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417, SITUATED IN WILLIAMSON COUNTY, TEXAS.

JOB NO. 564-003

SURVEY PLAT SP 02009R2 NAME PARMER EXT

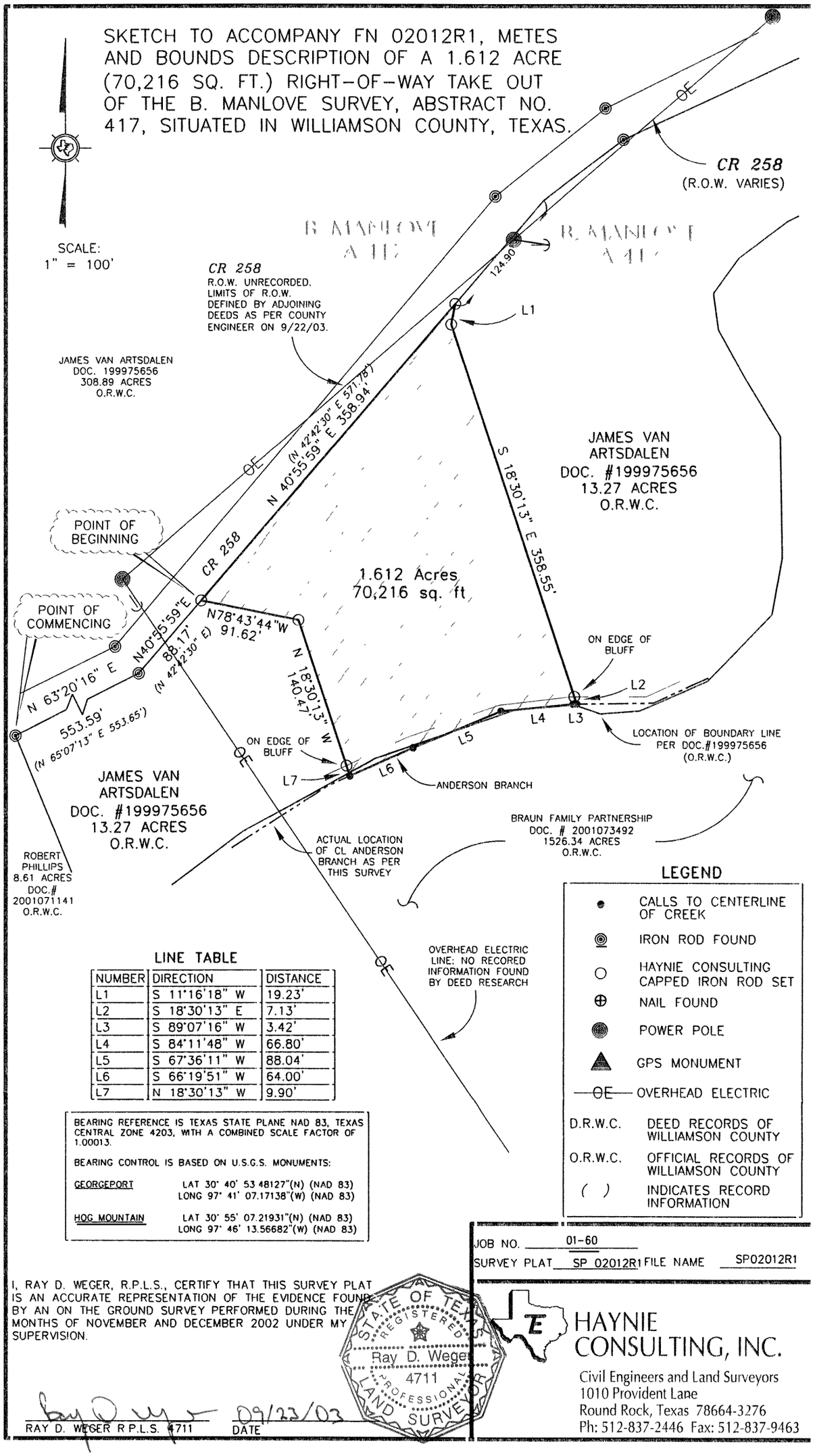
I, RAY D. WEGER, R.P.L.S., CERTIFY THAT THIS SURVEY PLAT IS AN ACCURATE REPRESENTATION OF THE EVIDENCE FOUND BY AN ON THE GROUND SURVEY PERFORMED DURING THE MONTHS OF NOVEMBER AND DECEMBER 2002 UNDER MY SUPERVISION.

STATE OF TEXAS REGISTERED Ray D. Weger 4711 PROFESSIONAL LAND SURVEYOR

RAY D. WEGER R.P.L.S. 4711 DATE 09/22/03

HAYNIE CONSULTING, INC.
Civil Engineers and Land Surveyors
1010 Provident Lane
Round Rock, Texas 78664-3276
Ph: 512-837-2446 Fax: 512-837-9463

SKETCH TO ACCOMPANY FN 02012R1, METES AND BOUNDS DESCRIPTION OF A 1.612 ACRE (70,216 SQ. FT.) RIGHT-OF-WAY TAKE OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417, SITUATED IN WILLIAMSON COUNTY, TEXAS.



LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	S 11°16'18" W	19.23'
L2	S 18°30'13" E	7.13'
L3	S 89°07'16" W	3.42'
L4	S 84°11'48" W	66.80'
L5	S 67°36'11" W	88.04'
L6	S 66°19'51" W	64.00'
L7	N 18°30'13" W	9.90'

LEGEND

- CALLS TO CENTERLINE OF CREEK
- IRON ROD FOUND
- HAYNIE CONSULTING CAPPED IRON ROD SET
- NAIL FOUND
- POWER POLE
- GPS MONUMENT
- OE — OVERHEAD ELECTRIC
- D.R.W.C. — DEED RECORDS OF WILLIAMSON COUNTY
- O.R.W.C. — OFFICIAL RECORDS OF WILLIAMSON COUNTY
- ( ) — INDICATES RECORD INFORMATION

BEARING REFERENCE IS TEXAS STATE PLANE NAD 83, TEXAS CENTRAL ZONE 4203, WITH A COMBINED SCALE FACTOR OF 1.00013.

BEARING CONTROL IS BASED ON U.S.G.S. MONUMENTS:

GEORGEPORT — LAT 30° 40' 53.48127"(N) (NAD 83) LONG 97° 41' 07.17138"(W) (NAD 83)

HOG MOUNTAIN — LAT 30° 55' 07.21931"(N) (NAD 83) LONG 97° 46' 13.56682"(W) (NAD 83)

JOB NO. 01-60

SURVEY PLAT SP 02012R1 FILE NAME SP02012R1

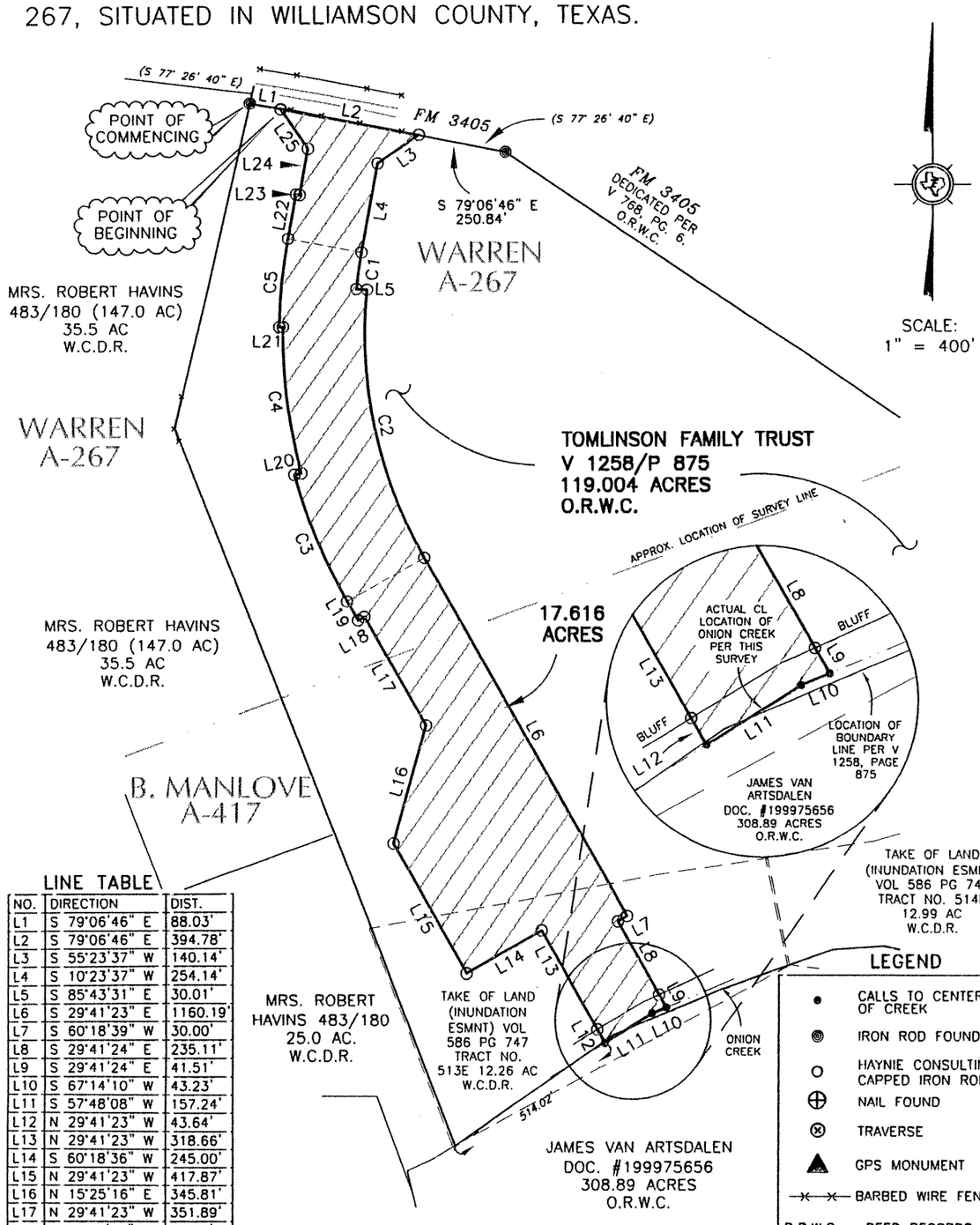
I, RAY D. WEGER, R.P.L.S., CERTIFY THAT THIS SURVEY PLAT IS AN ACCURATE REPRESENTATION OF THE EVIDENCE FOUND BY AN ON THE GROUND SURVEY PERFORMED DURING THE MONTHS OF NOVEMBER AND DECEMBER 2002 UNDER MY SUPERVISION.

STATE OF TEXAS REGISTERED Ray D. Weger 4711 PROFESSIONAL LAND SURVEYOR

RAY D. WEGER R.P.L.S. 4711 — DATE 09/23/03

HAYNIE CONSULTING, INC.
Civil Engineers and Land Surveyors
1010 Provident Lane
Round Rock, Texas 78664-3276
Ph: 512-837-2446 Fax: 512-837-9463

SKETCH TO ACCOMPANY FN 02014R1, METES AND BOUNDS DESCRIPTION OF A 17.616 ACRE RIGHT-OF-WAY TAKE OUT OF THE B. MANLOVE SURVEY, ABSTRACT NO. 417, AND THE B. WARREN SURVEY, ABSTRACT NO. 267, SITUATED IN WILLIAMSON COUNTY, TEXAS.



LINE TABLE

NO.	DIRECTION	DIST.
L1	S 79°06'46" E	88.03'
L2	S 79°06'46" E	394.78'
L3	S 55°23'37" W	140.14'
L4	S 10°23'37" W	254.14'
L5	S 85°43'31" E	30.01'
L6	S 29°41'23" E	1160.19'
L7	S 60°18'39" W	30.00'
L8	S 29°41'24" E	235.11'
L9	S 29°41'24" E	41.51'
L10	S 67°14'10" W	43.23'
L11	S 57°48'08" W	157.24'
L12	N 29°41'23" W	43.64'
L13	N 29°41'23" W	318.66'
L14	S 60°18'36" W	245.00'
L15	N 29°41'23" W	417.87'
L16	N 15°25'16" E	345.81'
L17	N 29°41'23" W	351.89'
L18	S 60°18'35" W	20.00'
L19	N 29°41'24" W	62.37'
L20	N 79°01'31" E	20.05'
L21	N 89°01'13" W	10.00'
L22	N 10°23'37" E	126.75'
L23	S 79°36'25" E	10.00'
L24	N 10°23'37" E	132.13'
L25	N 34°12'44" W	136.23'

LEGEND

- CALLS TO CENTERLINE OF CREEK
- IRON ROD FOUND
- HAYNIE CONSULTING CAPPED IRON ROD SET
- NAIL FOUND
- TRAVERSE
- GPS MONUMENT
- BARBED WIRE FENCE
- D.R.W.C. DEED RECORDS OF WILLIAMSON COUNTY
- O.R.W.C. OFFICIAL RECORDS OF WILLIAMSON COUNTY
- ( ) INDICATES RECORD INFORMATION

CURVE TABLE

NO.	DELTA	RADIUS	ARC	TANGENT	CHORD BEARING.	CH. LEN.
C1	04°32'42"	1300.00	103.12	51.59	S 08°07'16" W	103.10
C2	35°37'00"	1270.00	789.47	407.96	S 11°55'21" E	776.82
C3	14°43'35"	1520.00	390.68	196.42	N 22°21'38" W	389.60
C4	16°01'52"	1500.00	419.69	211.23	N 07°02'09" W	418.32
C5	09°26'33"	1510.00	248.86	124.71	N 05°42'04" E	248.57

BEARING REFERENCE IS TEXAS STATE PLANE NAD 83, TEXAS CENTRAL ZONE 4203, WITH A COMBINED SCALE FACTOR OF 1.00013.

BEARING CONTROL IS BASED ON U.S.G.S. MONUMENTS:

GEORGEPORT	LAT 30° 40' 53.48127"(N) (NAD 83) LONG 97° 41' 07.17138"(W) (NAD 83)
HOG MOUNTAIN	LAT 30° 55' 07.21931"(N) (NAD 83) LONG 97° 46' 13.56682"(W) (NAD 83)

JOB NO. 564-003

SURVEY PLAT SP 02014R1 FILE NAME SP02014R1

I, RAY D. WEGER, R.P.L.S., CERTIFY THAT THIS SURVEY PLAT IS AN ACCURATE REPRESENTATION OF THE EVIDENCE FOUND BY AN ON THE GROUND SURVEY PERFORMED DURING THE MONTHS OF NOVEMBER AND DECEMBER 2002 UNDER MY SUPERVISION.

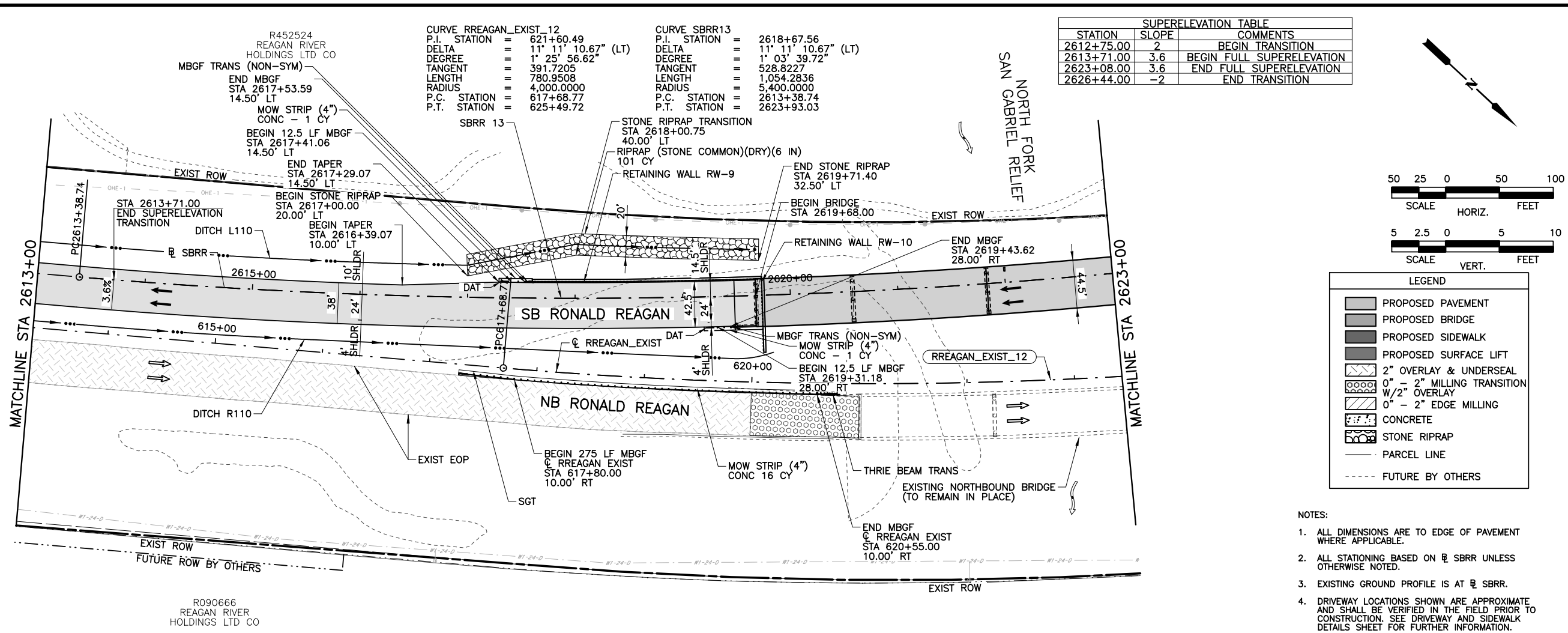
STATE OF TEXAS REGISTERED Ray D. Weger 4711 PROFESSIONAL LAND SURVEYOR

RAY D. WEGER R.P.L.S. 4711

09/23/03
DATE

HAYNIE CONSULTING, INC.
Civil Engineers and Land Surveyors
1010 Provident Lane
Round Rock, Texas 78664-3276
Ph: 512-837-2446 Fax: 512-837-9463

Proposed



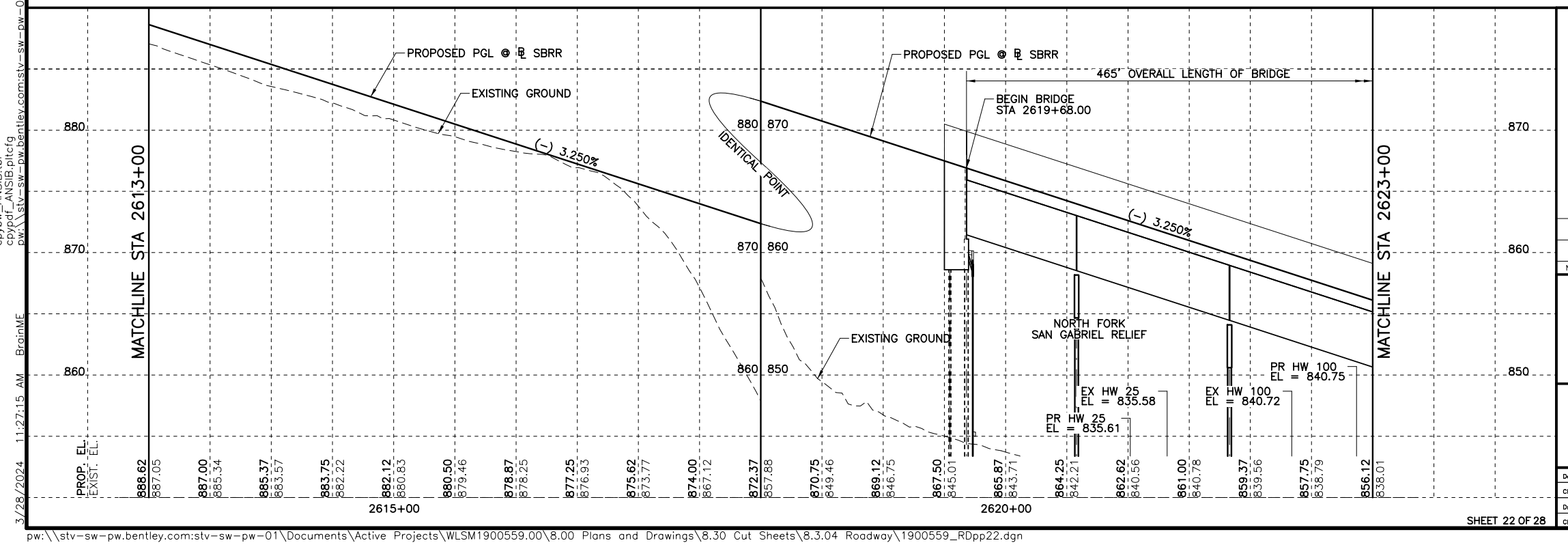
SUPERELEVATION TABLE		
STATION	SLOPE	COMMENTS
2612+75.00	2	BEGIN TRANSITION
2613+71.00	3.6	BEGIN FULL SUPERELEVATION
2623+08.00	3.6	END FULL SUPERELEVATION
2626+44.00	-2	END TRANSITION

50 25 0 50 100
SCALE FEET
HORIZ.

5 2.5 0 5 10
SCALE FEET
VERT.

LEGEND
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED SIDEWALK
- PROPOSED SURFACE LIFT
- 2" OVERLAY & UNDERSEAL
- 0" - 2" MILLING TRANSITION W/2" OVERLAY
- 0" - 2" EDGE MILLING
- CONCRETE
- STONE RIPRAP
- PARCEL LINE
- FUTURE BY OTHERS

NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT WHERE APPLICABLE.
2. ALL STATIONING BASED ON ℄ SBRR UNLESS OTHERWISE NOTED.
3. EXISTING GROUND PROFILE IS AT ℄ SBRR.
4. DRIVEWAY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. SEE DRIVEWAY AND SIDEWALK DETAILS SHEET FOR FURTHER INFORMATION.
5. SEE INTERSECTION LAYOUTS FOR MORE INFORMATION.



SHEET 22 OF 28

STATE OF TEXAS
ANDREA KLOCINSKI
121625
LICENSED
PROFESSIONAL ENGINEER

03/29/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.

ROADWAY PLAN & PROFILE
SB RONALD REAGAN
STA 2613+00.00 TO STA 2623+00.00

Designed:	ANK	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	ANK	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	ANK		WILLIAMSON					162

EXHIBIT D1

1 of 8

cpybw ANSIB.tbl
cpyclr ANSIB.pltcfg
pw:\\stv-sw-pw.bentley.com:stv-sw-pw-01\Documents\Active Projects\WLSM1900559.00\8.00 Plans and Drawings\8.30 Cut Sheets\8.3.04 Roadway\1900559_RDpp2

3/28/2024 11:27:15 AM BrainME

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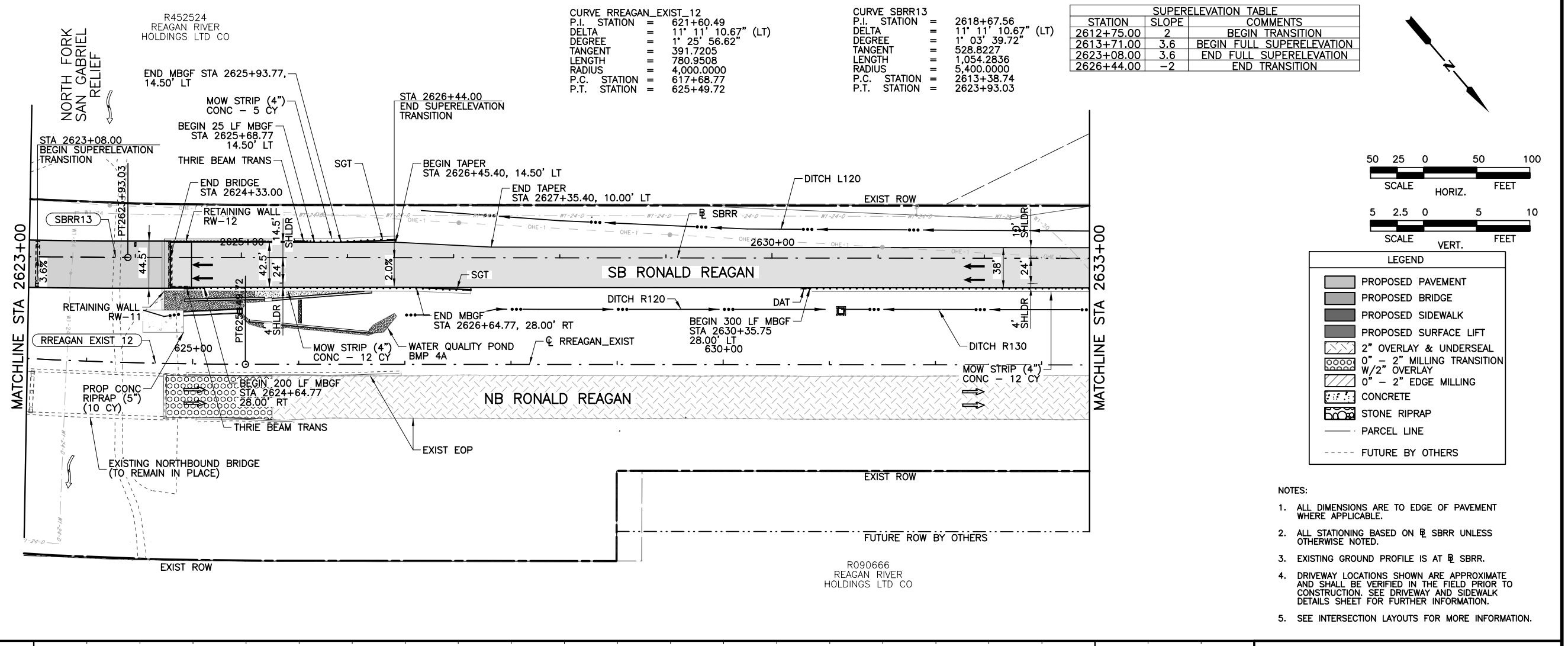
Proposed



CURVE RREAGAN_EXIST_12
P.I. STATION = 621+60.49
DELTA = 11° 11' 10.67" (LT)
DEGREE = 1° 25' 56.62"
TANGENT = 391.7205
LENGTH = 780.9508
RADIUS = 4,000.0000
P.C. STATION = 617+68.77
P.T. STATION = 625+49.72

CURVE SBRR13
P.I. STATION = 2618+67.56
DELTA = 11° 11' 10.67" (LT)
DEGREE = 1° 03' 39.72"
TANGENT = 528.8227
LENGTH = 1,054.2836
RADIUS = 5,400.0000
P.C. STATION = 2613+38.74
P.T. STATION = 2623+93.03

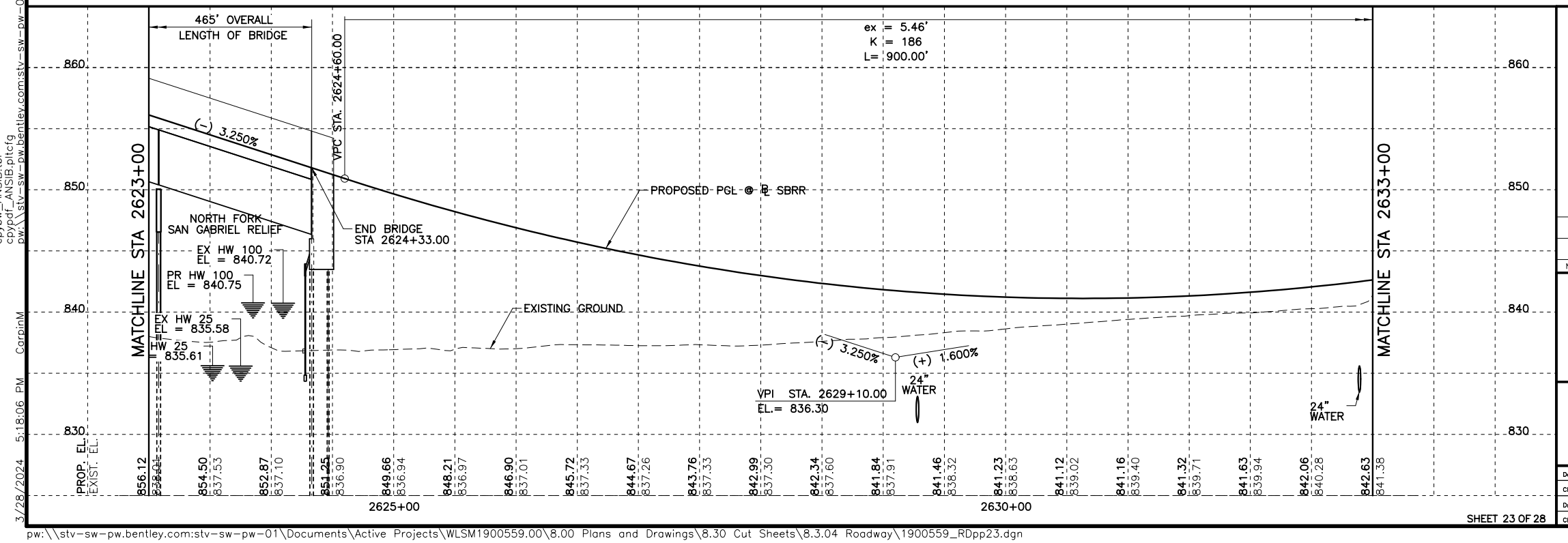
SUPERELEVATION TABLE		
STATION	SLOPE	COMMENTS
2612+75.00	2	BEGIN TRANSITION
2613+71.00	3.6	BEGIN FULL SUPERELEVATION
2623+08.00	3.6	END FULL SUPERELEVATION
2626+44.00	–2	END TRANSITION

50 25 0 50 100
SCALE FEET
HORIZ.

5 2.5 0 5 10
SCALE FEET
VERT.

LEGEND
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED SIDEWALK
- PROPOSED SURFACE LIFT
- 2" OVERLAY & UNDERSEAL
- 0" – 2" MILLING TRANSITION W/2" OVERLAY
- 0" – 2" EDGE MILLING
- CONCRETE
- STONE RIPRAP
- PARCEL LINE
- FUTURE BY OTHERS

NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT WHERE APPLICABLE.
2. ALL STATIONING BASED ON ℄ SBRR UNLESS OTHERWISE NOTED.
3. EXISTING GROUND PROFILE IS AT ℄ SBRR.
4. DRIVEWAY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. SEE DRIVEWAY AND SIDEWALK DETAILS SHEET FOR FURTHER INFORMATION.
5. SEE INTERSECTION LAYOUTS FOR MORE INFORMATION.



SHEET 23 OF 28

STATE OF TEXAS
ANDREA KLOCINSKI
121625
LICENSED
PROFESSIONAL ENGINEER
03/29/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.

ROADWAY PLAN & PROFILE
SB RONALD REAGAN
STA 2623+00.00 TO STA 2633+00.00

Designed:	ANK	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	ANK	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	ANK		WILLIAMSON					163

EXHIBIT D1

2 of 8

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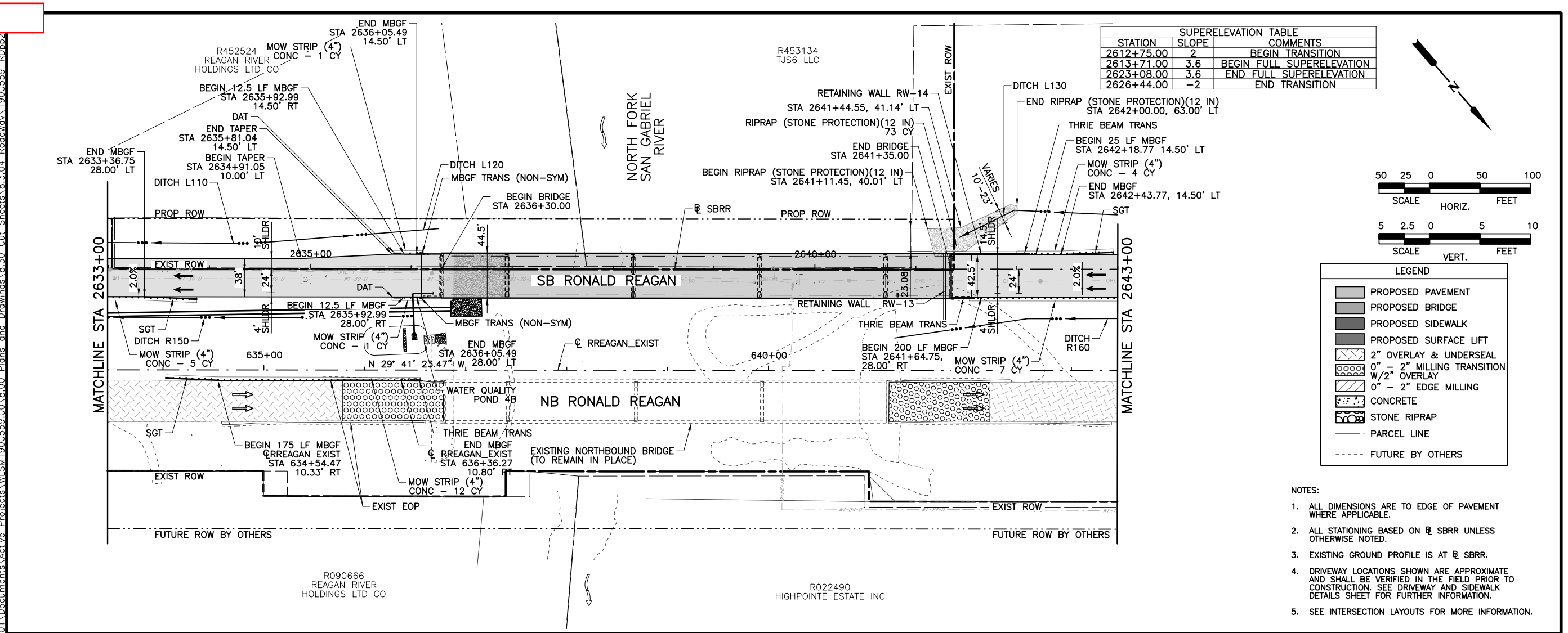
Proposed



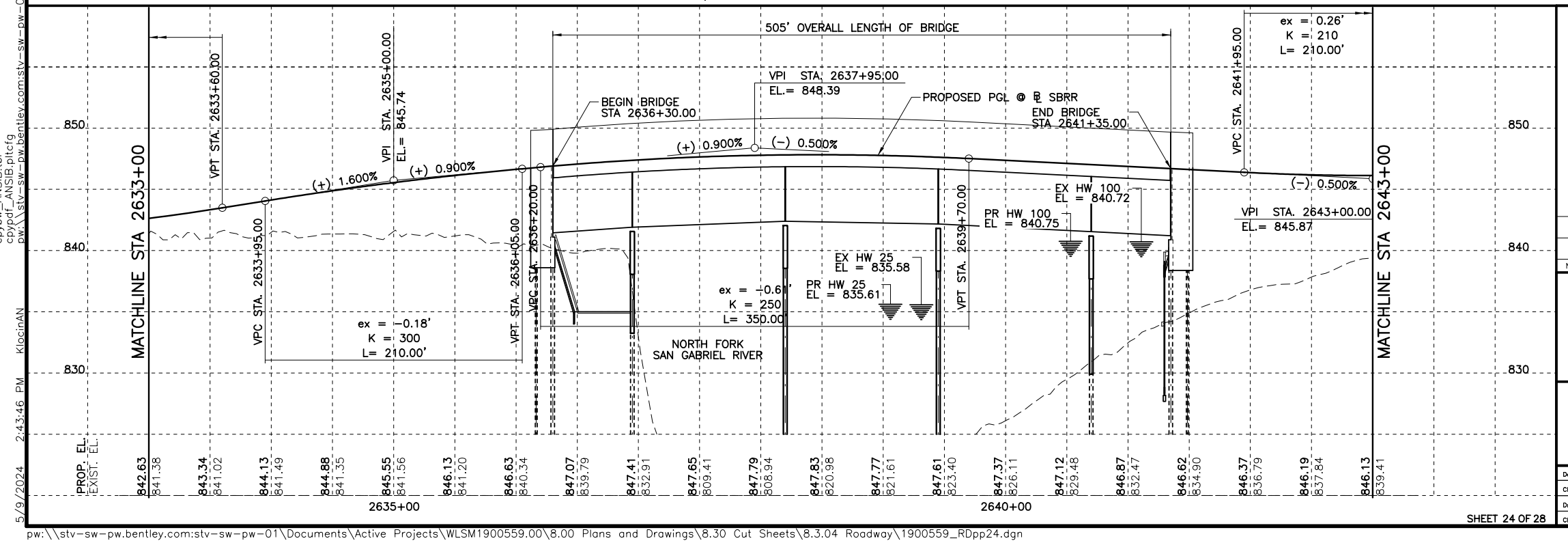
SUPERELEVATION TABLE		
STATION	SLOPE	COMMENTS
2612+75.00	2	BEGIN TRANSITION
2613+71.00	3.6	BEGIN FULL SUPERELEVATION
2623+08.00	3.6	END FULL SUPERELEVATION
2626+44.00	–2	END TRANSITION

50 25 0 50 100
SCALE HORIZ. FEET

5 2.5 0 5 10
SCALE VERT. FEET

LEGEND
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED SIDEWALK
- PROPOSED SURFACE LIFT
- 2" OVERLAY & UNDERSEAL
- 0" – 2" MILLING TRANSITION W/2" OVERLAY
- 0" – 2" EDGE MILLING
- CONCRETE
- STONE RIPRAP
- PARCEL LINE
- FUTURE BY OTHERS

NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT WHERE APPLICABLE.
2. ALL STATIONING BASED ON ℄ SBRR UNLESS OTHERWISE NOTED.
3. EXISTING GROUND PROFILE IS AT ℄ SBRR.
4. DRIVEWAY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. SEE DRIVEWAY AND SIDEWALK DETAILS SHEET FOR FURTHER INFORMATION.
5. SEE INTERSECTION LAYOUTS FOR MORE INFORMATION.



SHEET 24 OF 28

STATE OF TEXAS
ANDREA KLOCINSKI
121625
LICENSED
PROFESSIONAL ENGINEER

05/09/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.

ROADWAY PLAN & PROFILE
SB RONALD REAGAN
STA 2633+00.00 TO STA 2643+00.00

Designed:	ANK	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
Checked:	ANK	X	TEXAS				
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
Checked:	ANK		WILLIAMSON				164

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5/9/2024 2:43:46 PM KlocinAN

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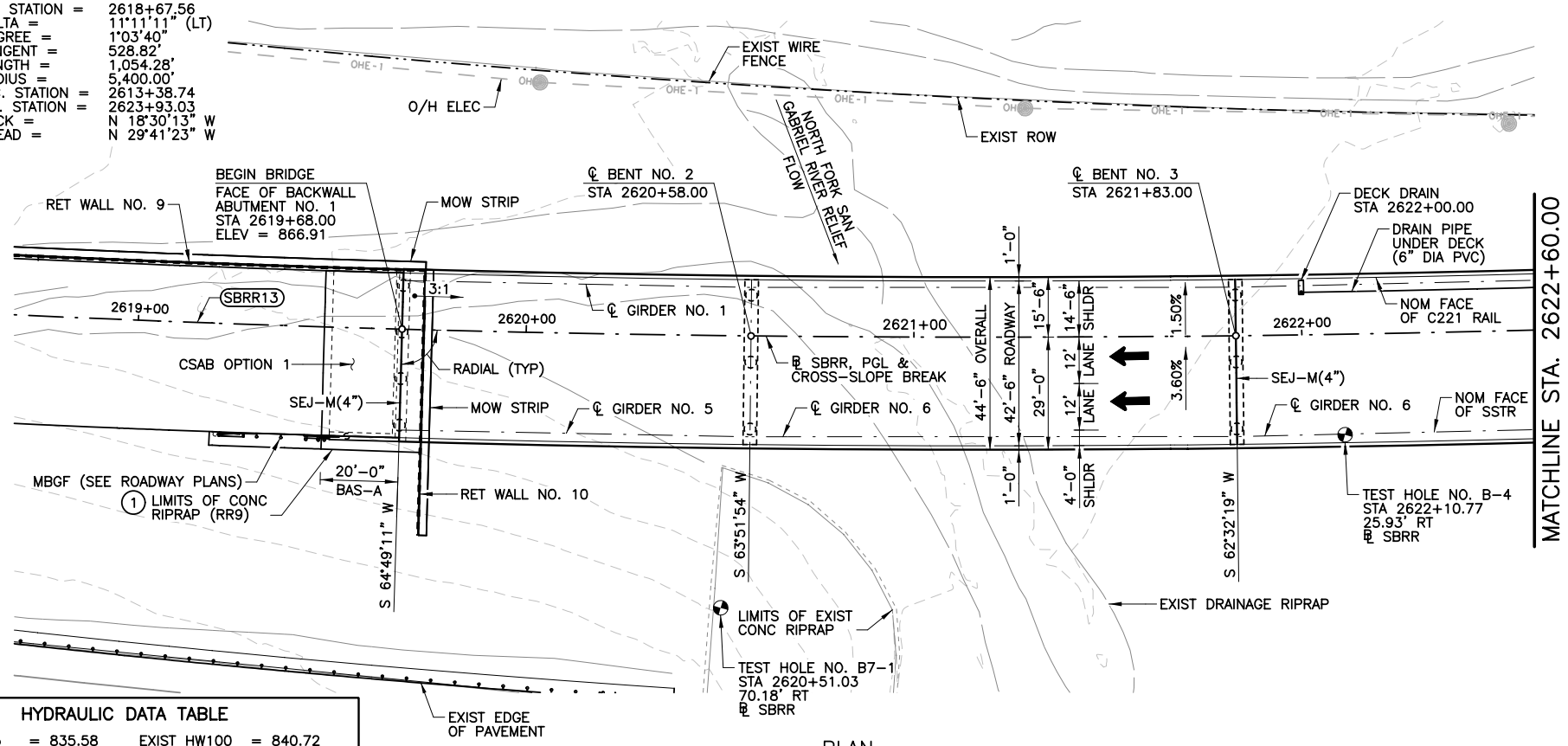
EXHIBIT D1

Proposed

HORIZONTAL CURVE DATA

(SBRR13)

P.I. STATION =	2618+67.56
DELTA =	11°11'11" (LT)
DEGREE =	1°03'40"
TANGENT =	528.82'
LENGTH =	1,054.28'
RADIUS =	5,400.00'
P.C. STATION =	2613+38.74
P.T. STATION =	2623+93.03
BACK =	N 18°30'13" W
AHEAD =	N 29°41'23" W

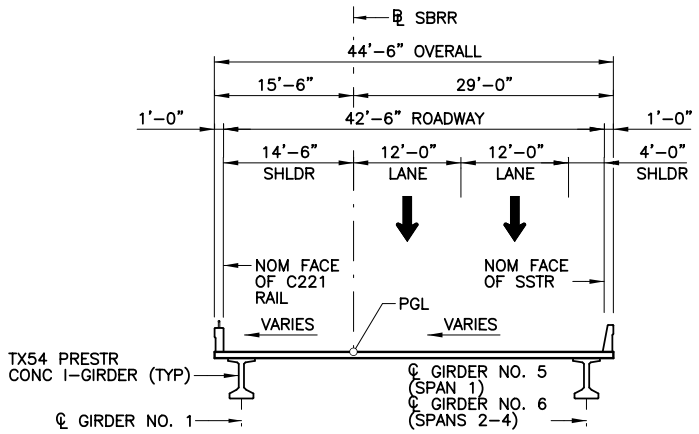


PLAN

20 10 0 20 40
SCALE FEET

GENERAL NOTES:

1. DESIGNED ACCORDING TO 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION (HL93 LOADING).
2. "D" DENOTES SLOTTED HOLE AT GIRDER ENDS. SEE BENT DETAILS FOR LOCATIONS OF DOWELS D.
3. THE "H" VALUE SHOWN ARE ESTIMATED COLUMN HEIGHT. CONTRACTOR IS RESPONSIBLE FOR CALCULATING ACTUAL COLUMN HEIGHTS BASED ON FIELD CONDITIONS.
4. SEE BRIDGE BORING LOG SHEET FOR GEOTECHNICAL INFORMATION.
5. USE OPTION 1 FOR CONFIGURATION OF CSAB BEHIND ABUTMENTS. SEE CSAB STANDARD FOR DETAILS.



TYPICAL TRANSVERSE SECTION

HYDRAULIC DATA TABLE

EXIST HW25	= 835.58	EXIST HW100	= 840.72
EXIST Q25	= 31,089 cfs	EXIST Q100	= 53,384 cfs
EXIST V25	= 7.06 ft/s	EXIST V100	= 8.05 ft/s
PROP HW25	= 835.61	PROP HW100	= 840.75
PROP Q25	= 31,089 cfs	PROP Q100	= 53,384 cfs
PROP V25	= 7.06 ft/s	PROP V100	= 7.98 ft/s

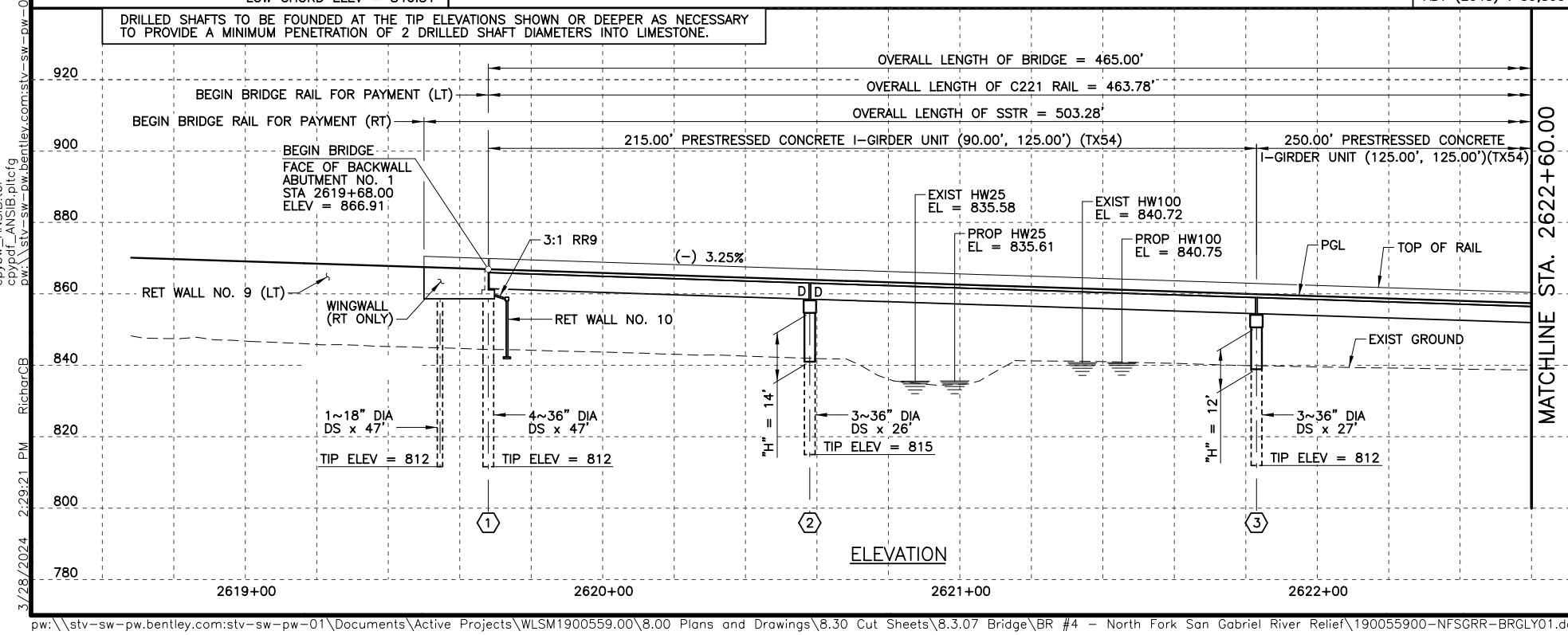
LOW CHORD ELEV = 846.31

1 EXTEND CONCRETE RIPRAP 2'-0" FROM FACE OF WINGWALL

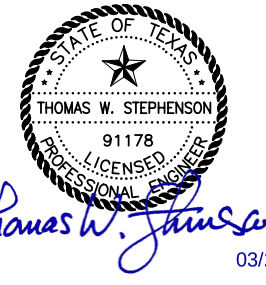
PROP NBI NO.: 14-246-AA99-53-015
FUNCTIONAL CLASSIFICATION: FREEWAY/ARTERIAL
DESIGN SPEED: 70 MPH
ADT (2017) : 15,500
ADT (2043) : 39,800

HL93 LOADING

DRILLED SHAFTS TO BE FOUNDED AT THE TIP ELEVATIONS SHOWN OR DEEPER AS NECESSARY TO PROVIDE A MINIMUM PENETRATION OF 2 DRILLED SHAFT DIAMETERS INTO LIMESTONE.



ELEVATION



NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.
BRIDGE LAYOUT
NORTH FORK SAN GABRIEL
RIVER RELIEF BRIDGE

Designed:	AA	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	JAS	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	TWS		WILLIAMSON					411

SHEET 1 OF 2

EXHIBIT D1

4 of 8

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3/28/2024 2:29:21 PM

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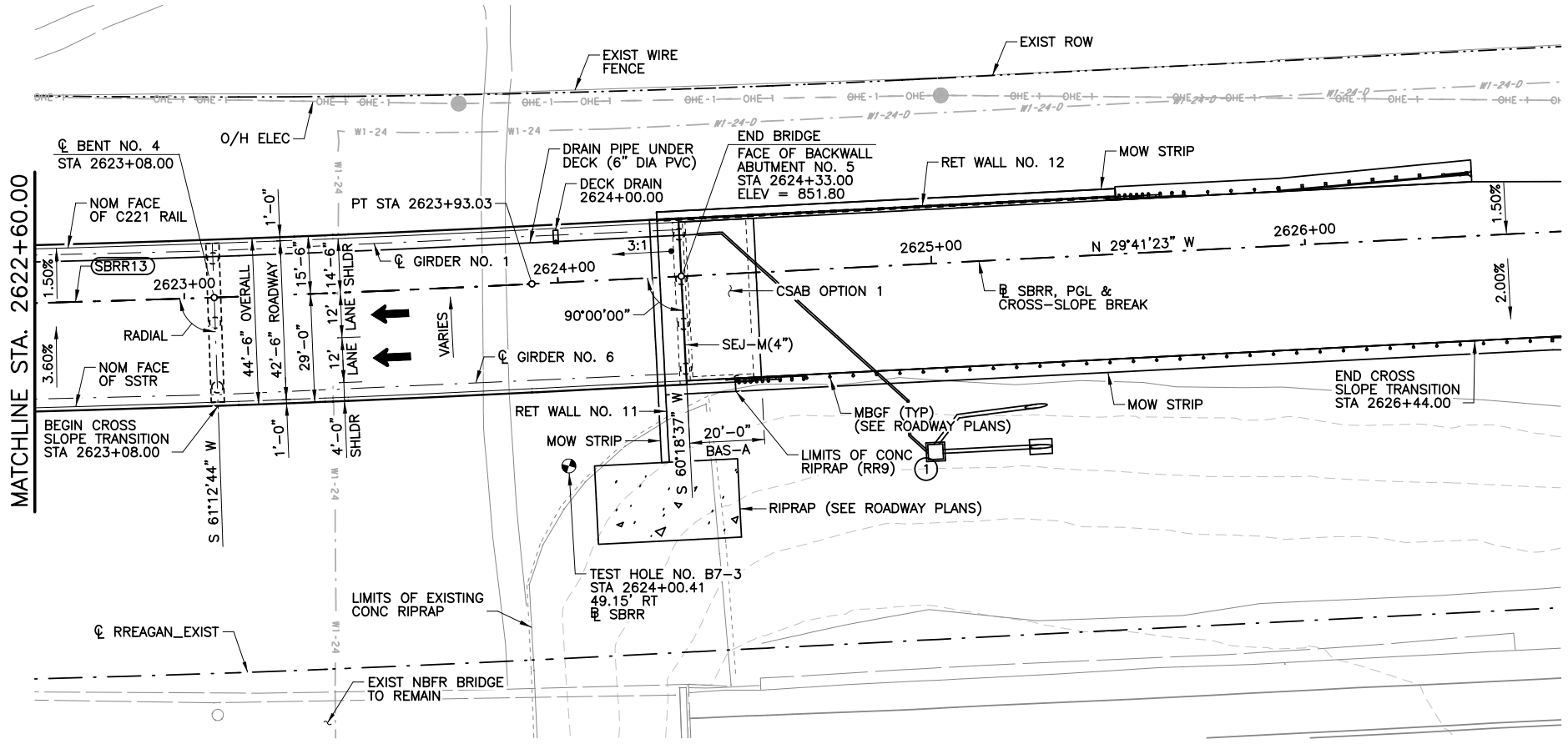
Proposed

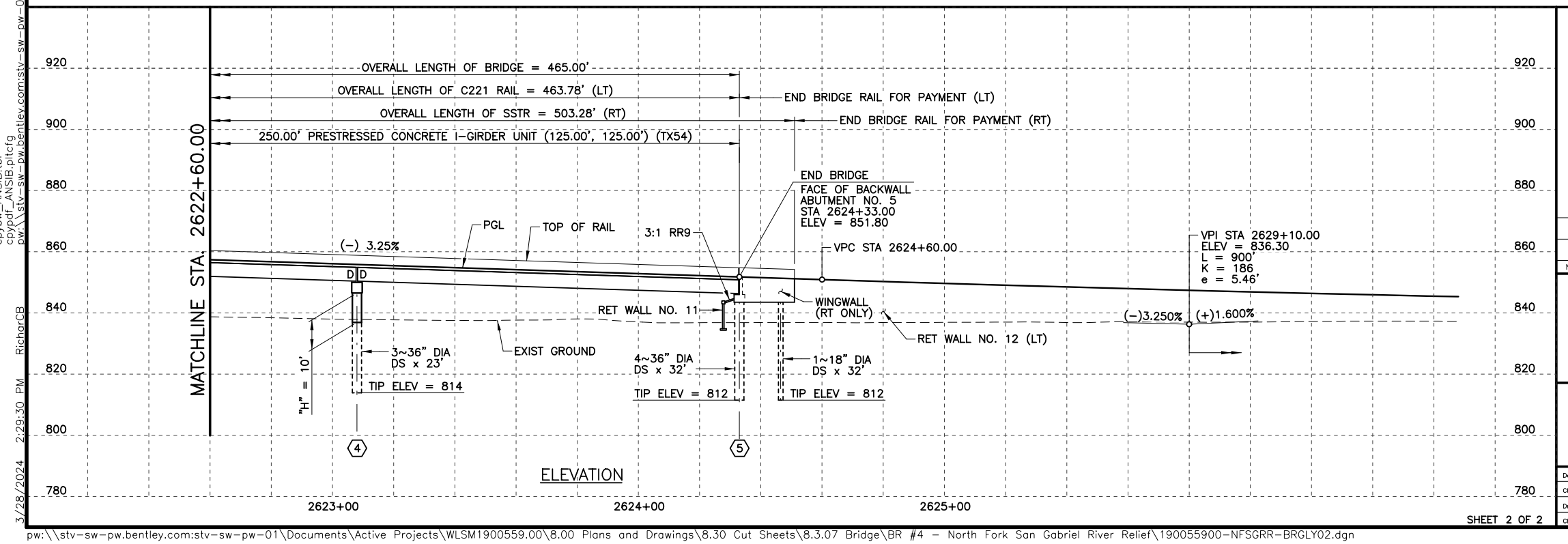


PLAN

1 EXTEND CONCRETE RIPRAP 2'-0" FROM FACE OF WINGWALL

20 10 0 20 40
SCALE FEET

HL93 LOADING



ELEVATION

SHEET 2 OF 2

THOMAS W. STEPHENSON
91178
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
03/28/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.
BRIDGE LAYOUT
NORTH FORK SAN GABRIEL
RIVER RELIEF BRIDGE

Designed:	AA	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	JAS	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	TWS		WILLIAMSON					412

EXHIBIT D1

5 of 8

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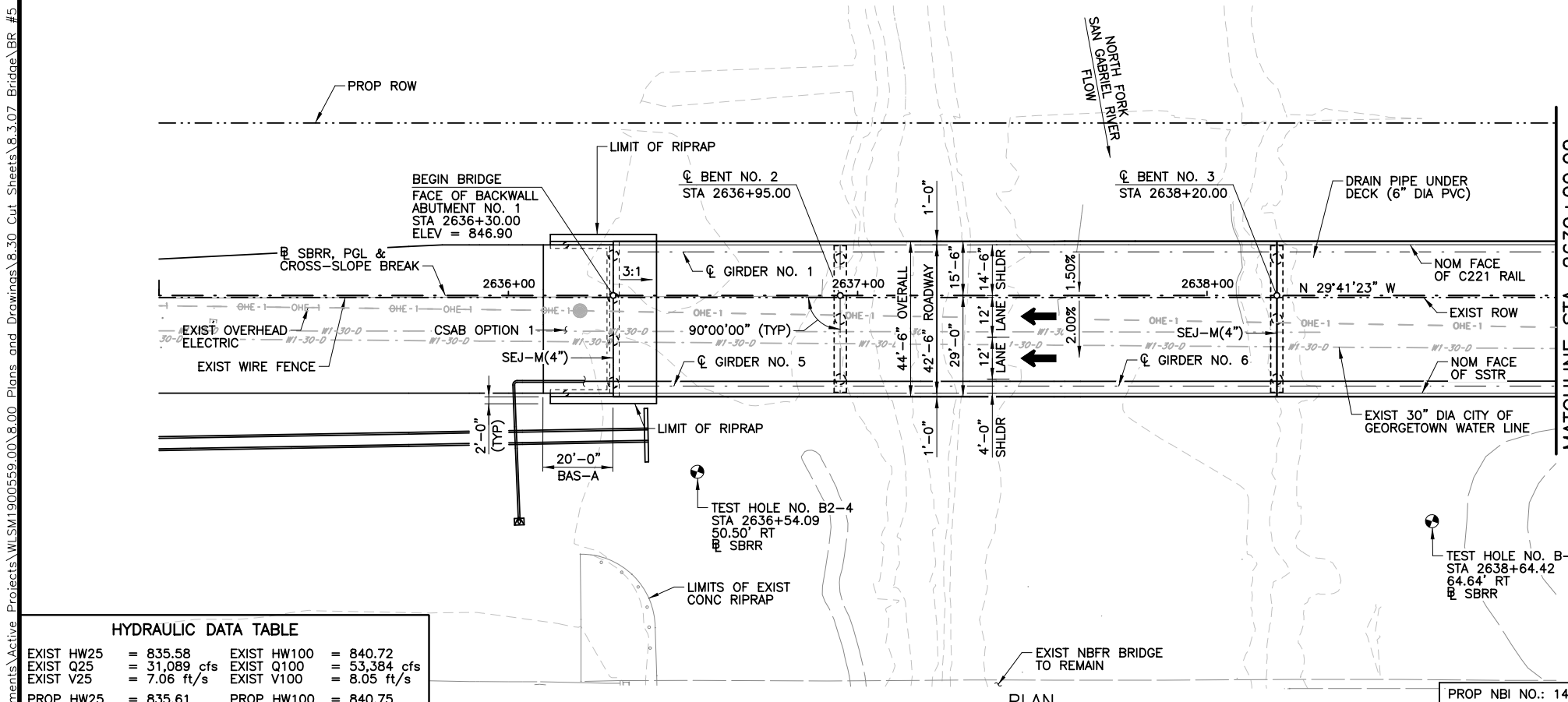
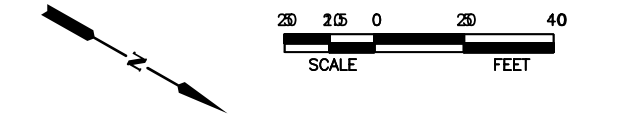
Proposed

EXHIBIT D1



PLAN



GENERAL NOTES:

1. DESIGNED ACCORDING TO 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION (HL93 LOADING).
2. "D" DENOTES SLOTTED HOLE AT GIRDER ENDS. SEE BENT DETAILS FOR LOCATIONS OF DOWELS D.
3. THE "H" VALUE SHOWN ARE ESTIMATED COLUMN HEIGHT. CONTRACTOR IS RESPONSIBLE FOR CALCULATING ACTUAL COLUMN HEIGHTS BASED ON FIELD CONDITIONS.
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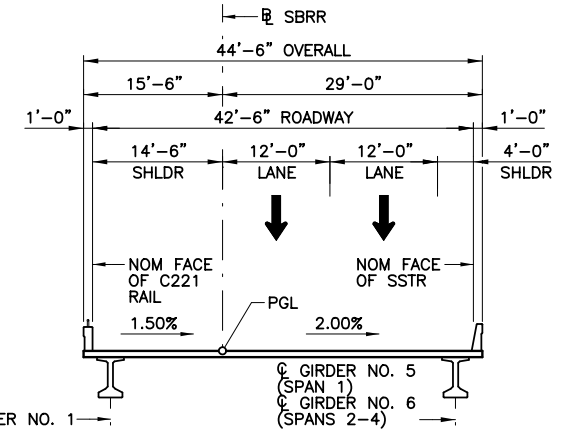


TYPICAL TRANSVERSE SECTION

HYDRAULIC DATA TABLE

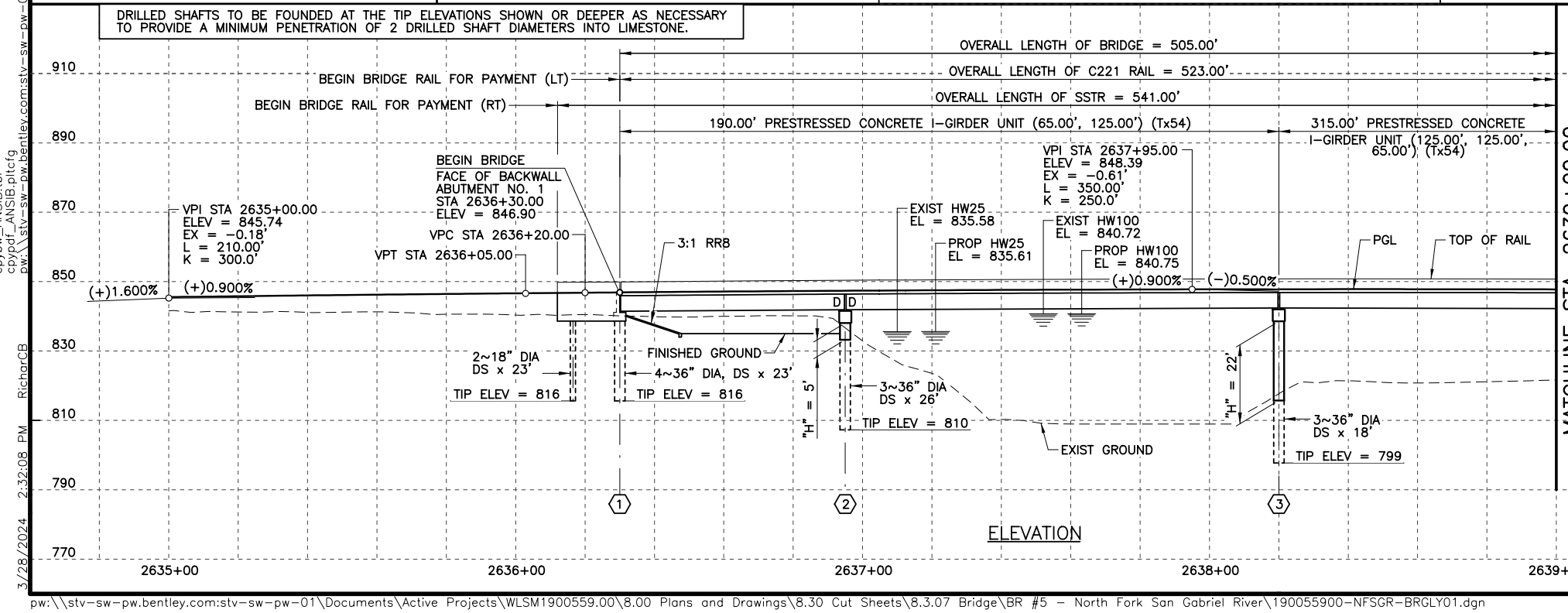
EXIST HW25	= 835.58	EXIST HW100	= 840.72
EXIST Q25	= 31,089 cfs	EXIST Q100	= 53,384 cfs
EXIST V25	= 7.06 ft/s	EXIST V100	= 8.05 ft/s
PROP HW25	= 835.61	PROP HW100	= 840.75
PROP Q25	= 31,089 cfs	PROP Q100	= 53,384 cfs
PROP V25	= 7.06 ft/s	PROP V100	= 7.98 ft/s
		LOW CHORD ELEV	= 840.80

ALL ABUTMENT AND BENT BEARINGS N 60°18'37" E

PROP NBI NO.: 14-246-AA99-53-016
FUNCTIONAL CLASSIFICATION: FREEWAY/ARTERIAL
DESIGN SPEED: 70 MPH
ADT (2019) : 17,791
ADT (2043) : 39,800

HL93 LOADING

DRILLED SHAFTS TO BE FOUNDED AT THE TIP ELEVATIONS SHOWN OR DEEPER AS NECESSARY TO PROVIDE A MINIMUM PENETRATION OF 2 DRILLED SHAFT DIAMETERS INTO LIMESTONE.



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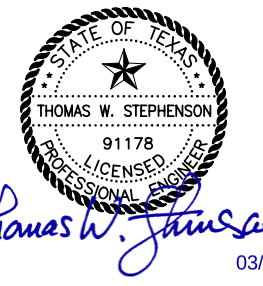

03/28/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.
BRIDGE LAYOUT
NORTH FORK
SAN GABRIEL RIVER BRIDGE

Designed:	AA	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	JAS	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	TWS		WILLIAMSON					424

SHEET 1 OF 2

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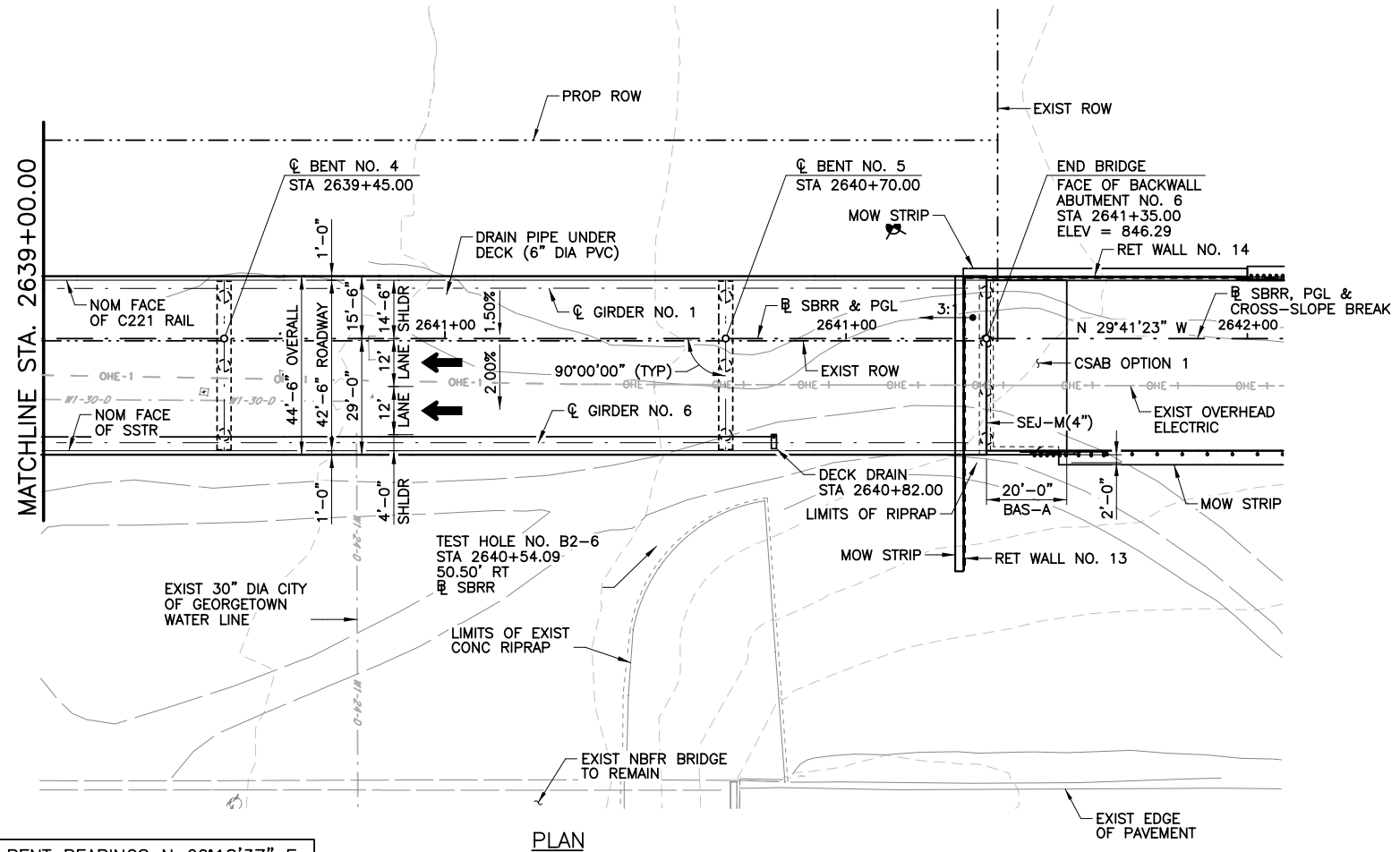
6 of 8

Proposed

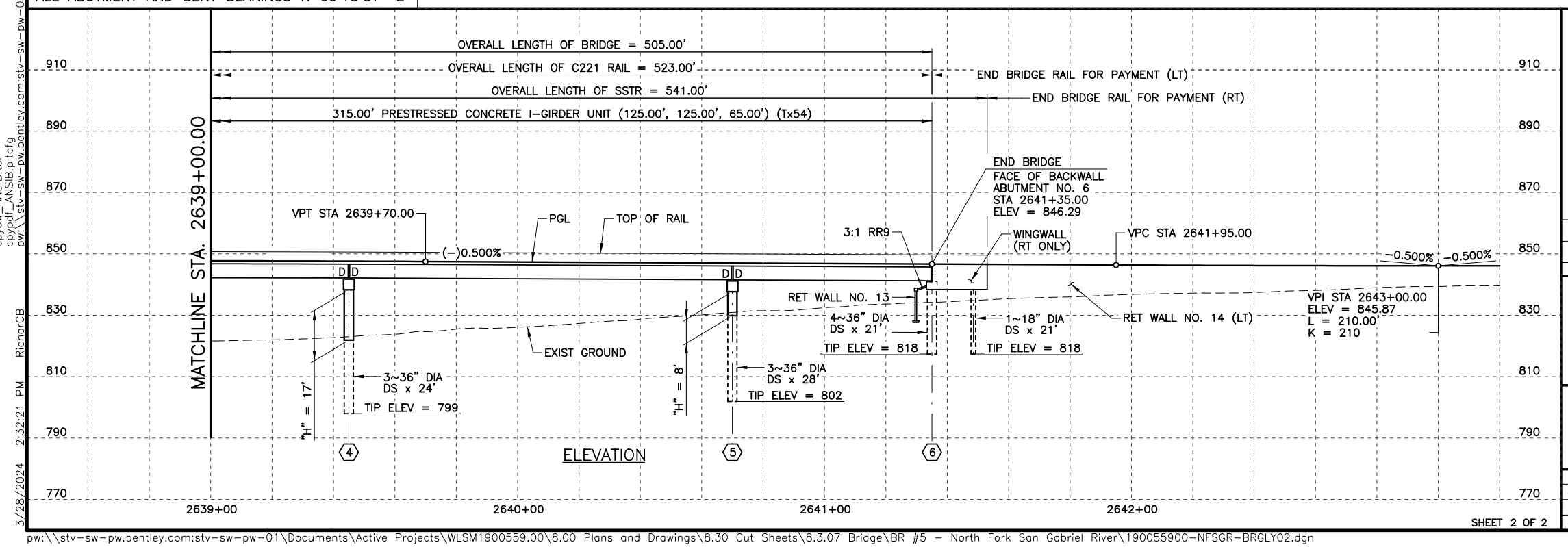
EXHIBIT D1



PLAN

ALL ABUTMENT AND BENT BEARINGS N 60°18'37" E

HL93 LOADING



ELEVATION

SHEET 2 OF 2

STATE OF TEXAS
THOMAS W. STEPHENSON
91178
LICENSED
PROFESSIONAL ENGINEER
03/28/2024

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED
ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.
BRIDGE LAYOUT
NORTH FORK
SAN GABRIEL RIVER BRIDGE

Designed:	AA	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	JAS	X	TEXAS					
Drawn:	ANK	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	TWS		WILLIAMSON					425

7 of 8

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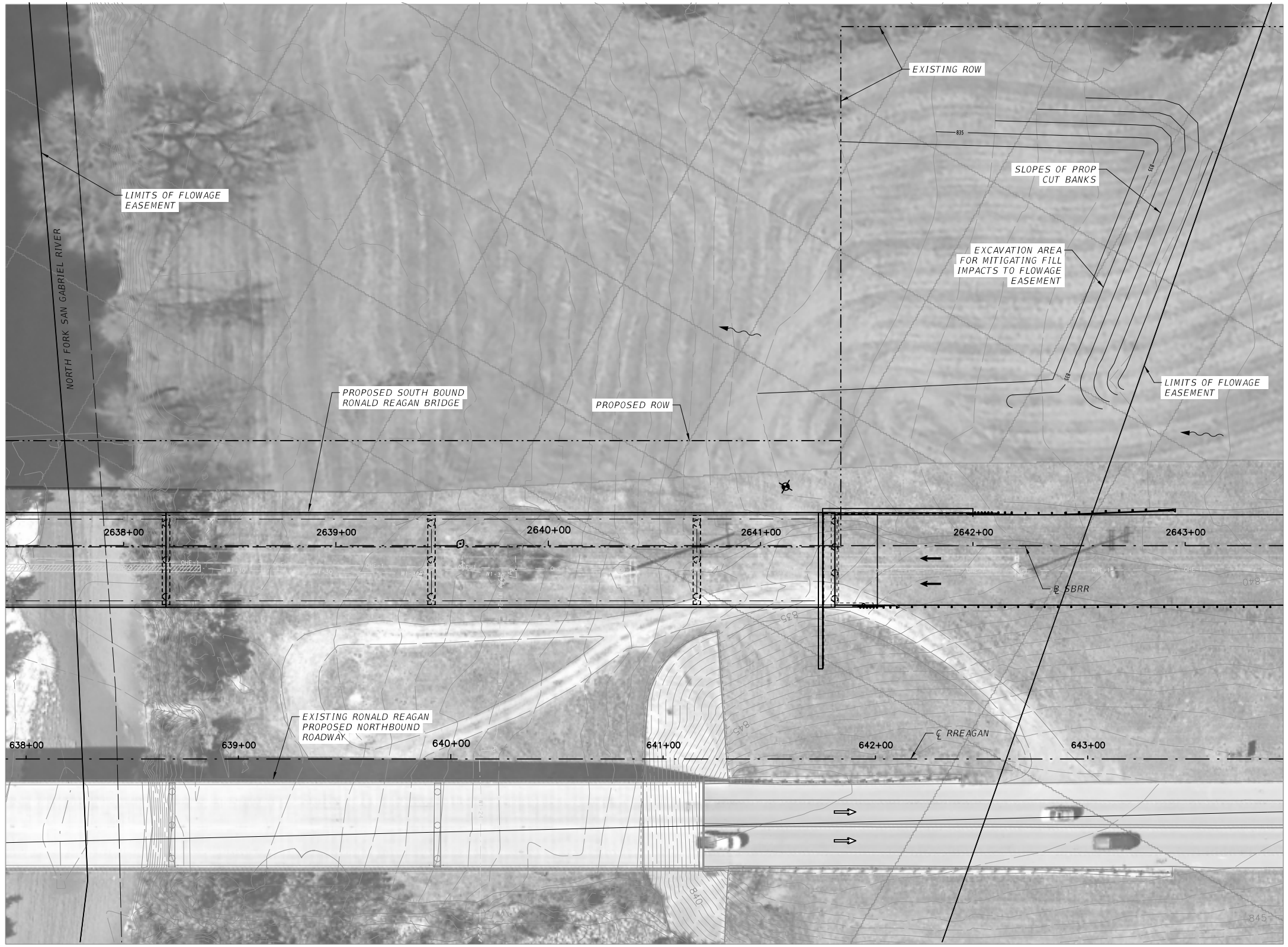
Proposed



N

25 12.5 0 25 50

SCALE FEET

HORIZ.

STATE OF TEXAS
ANTHONY J. SERDA
106300
LICENSED
PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

WILCO TEXAS

CP&Y an STV Company
TEXAS REGISTERED ENGINEERING FIRM F-1741

RONALD REAGAN BLVD.

FLOWAGE EASEMENT MITIGATION GRADING PLAN

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
Checked:	CPY	X	TEXAS					
Drawn:	CPY	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
Checked:	CPY		WILLIAMSON					275

EXHIBIT D1

8 of 8

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pw:\\stv-sw-pw.bentley.com:stv-sw-pw-01\Documents\Active Projects\WLSM1900559.00\8.00 Plans and Drawings\8.30 Cut Sheets\8.3.05 Drainage\1900559_DR_Flowage Easement Mitigation Grading Plan.dgn

Excavation/Fill Calculations

13809 Research Blvd., Suite 300
Austin, TX 78750
o. 512.349.0700 | f. 512.349.0727
stvinc.com

Ronald Reagan Improvement Project

Cut and Fill Calculations Summary Report

Proposed fill impacts: **-8241 CY**

These materials (bridge piers, riprap, retaining walls, and earth) are being added between the bridges, at the bridge approaches, and from the proposed riprap-lined ditch for the Ronald Reagan roadway crossing the North Fork San Gabriel River. Negative number represents a loss in floodplain storage due to proposed fill compared to existing conditions. Major proposed fill elements detailed in table below.

Proposed Element	Floodplain Volume Differential	Station Limits
Bridge Piers Fill (estimate)	-207 CY	Main Bridge 2637+80 to 2641+00
Riprap	-99 CY	2641+11 to 2642+00
Retaining Walls	-19 CY	2641+30 to 2642+00
Embankment	-2815 CY	Full Xsection 2641+30 to 2642+00
Embankment	-5101 CY	See Consent Letter
Total Project Fill Impacts	**-8241 CY**	

Compensatory cut: **9980 CY**

These materials (earth) are being removed from the proposed ditch grading along Ronald Reagan and grading designated in the ROW "bubble-out" near Station 2542+00 in the northwest corner of Ronald Reagan and the North Fork San Gabriel River. Earthwork excavation within flowage easement since adoption. The positive number represents an increase in floodplain storage.

Proposed Element	Floodplain Volume Differential	Station Limits
Embankment Cut	464 CY	Full Xsection 2641+30 to 2642+00
Embankment Cut	1875 CY	Excavation/Cut per Grading Plan
Embankment Cut	7641 CY	See Consent Letter
Total Project Cut Impacts	**9980 CY**	

EXHIBIT E1

Excavation/Fill Calculations

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Net change in floodplain storage: **1739 CY**

The net increase in floodplain storage indicates the required mitigation for proposed flowage easement impact has been provided.

	Floodplain Volume Differential	
Total Project Fill Impacts	**-8241 CY**	
Total Project Cut Impacts	**9980 CY**	
Total Net Change	**1739 CY**	

All proposed grading shall take place within the limits of the flowage easement consent area.