

4122 Pond Hill Road, Suite 101 San Antonio, Texas 78231 P:(210) 681.2951 F: (210) 523.7112

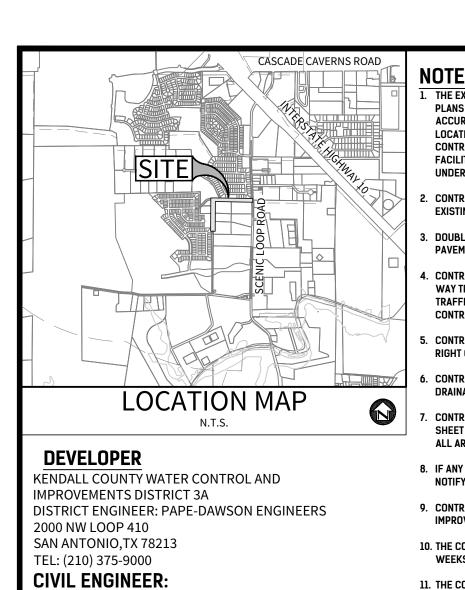
> STREET SECTIONS EDICATION MAP L ST DEI TY OF

CHECKED BY

REVISIONS

2023-03-27 - REVISED RIGHT OF WAY ON SECTION E

//CUDE ENGINEERS



M.W. CUDE ENGINEERS, L.L.C.

SAN ANTONIO, TX 78231 TEL: (210) 681-2951 FAX: (210) 523-7112

4122 POND HILL ROAD, SUITE 101

CONTACT PERSON: DAVID D. CUPIT II, P.E.

THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND CABLE INDICATED ON THESE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE, AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY FACILITIES DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE EXISTING

UNDERGROUND CABLE RELOCATION IF A ALIGNMENT CONFLICT ARISES. . CONTRACTOR TO REMOVE AND RELOCATE EXISTING SIGNS AND FENCES AS NECESSARY TO **EXISTING OR BETTER CONDITION.**

DOUBLE 4" YELLOW STRIPING LIMITS WILL BE FOR MILLED AND OVERLAID ASPHALT

PAVEMENT AREAS AS SHOWN. . CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE TRAFFIC FLOW (MINIMUM ONE WAY TRAFFICI AND TRAFFIC MOVEMENTS. CONTRACTOR IS RESPONSIBLE FOR PRODUCING A TRAFFIC CONTROL PLAN AS REQUIRED BY THE CITY OF BOERNE AND KENDALL COUNTY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL RIGHT OF WAY PERMITS NEEDED.

. CONTRACTOR IS RESPONSIBLE FOR REVEGETATING ALL DISTURBED AREAS WITH IN THE RIGHT OF WAY OR UTILITY EASEMENTS.

. CONTRACTOR SHALL GRADE RIGHT OF WAY AND ADJACENT SITE AREAS TO ENSURE POSITIVE DRAINAGE AT ALL TIMES DURING AND AFTER CONSTRUCTION OF IMPROVEMENTS SHOWN.

CONTRACTOR MUST CONSTRUCT THE PROPOSED STREET CROSS SECTION SHOWN IN THIS SHEET IN ALL AREAS WHERE THE PROPOSED PAVEMENT IS SHOWN. CONTRACTOR TO VERIFY ALL AREAS WITHIN THE PROPOSED PAVEMENT RIGHT OF WAY HAVE NO DRAINAGE ISSUES.

8. IF ANY DRAINAGE OR UTILITY CONFLICT ARISE DURING CONSTRUCTION, CONTRACTOR IS TO

9. CONTRACTOR IS REQUIRED TO COORDINATE DRIVEWAY ACCESS AND REQUIRED IMPROVEMENT WORK TIMES WITH EXISTING PROPERTY OWNERS.

10. THE CONTRACTOR IS REQUIRED TO INSTALL AND MONITOR SWPPP MEASURES EVERY 2

11. THE CONTRACTOR IS RESPONSIBLE FOR REVEGETATION OF ALL DISTURBED AREAS DURING CONSTRUCTION INCLUDING AREAS OUTSIDE OF THE RIGHT OF WAY. 90% VEGETATION ESTABLISHMENT WILL BE REQUIRED FOR FIELD ACCEPTANCE OF IMPROVEMENTS SHOWN.

LEGEND: PROPERTY LINE EXISTING OVERHEAD ELECTRIC EXISTING POWERPOLE **EXISTING SIGN** EXISTING FENCE EXISTING PAVEMENT **EXISTING FORCE MAIN** EXISTING DRIVEWAY EXISTING TREE

PRESERVED TREE

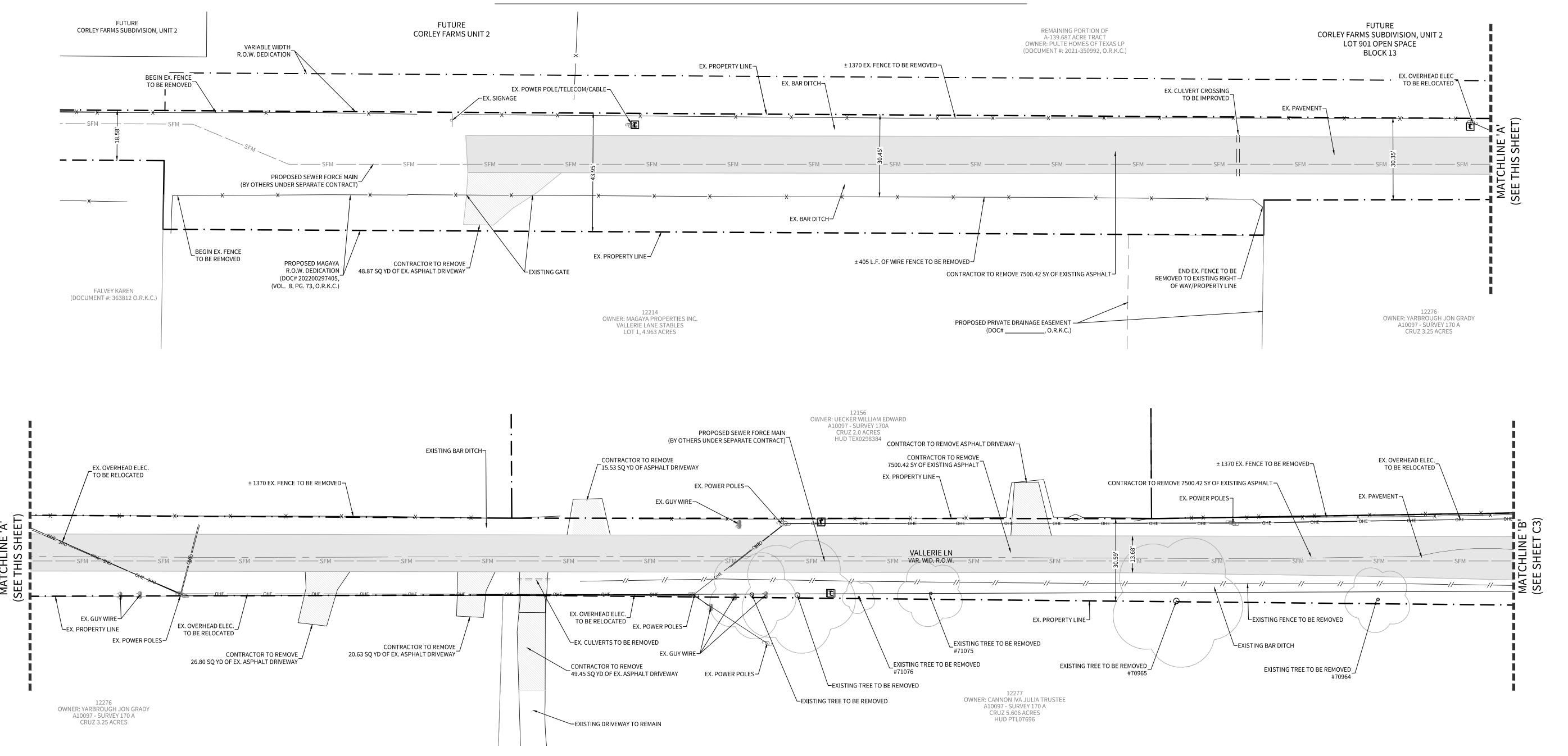
REPRODUCTION OF THE ORIGINAL SIGNED AND SEALED PLAN AND/OR ELECTRONIC MEDIA MAY HAVE BEEN INADVERTENTLY ALTERED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SCALE OF THE DOCUMENT AND CONTACTING CUDE ENGINEERS TO VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION

THE CONTRACTOR SHALL BE AWARE THAT A UNDER GROUND ELECTRIC AND OVERHEAD ELECTRIC LINE EXIST ALONG VALLERIE LANE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THESE UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THIS AREA. ANY DAMAGE DONE TO THESE EXISTING FACILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

TRENCH EXCAVATION PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT. IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

VALLERIE LANE N-S EXISTING CONDITIONS



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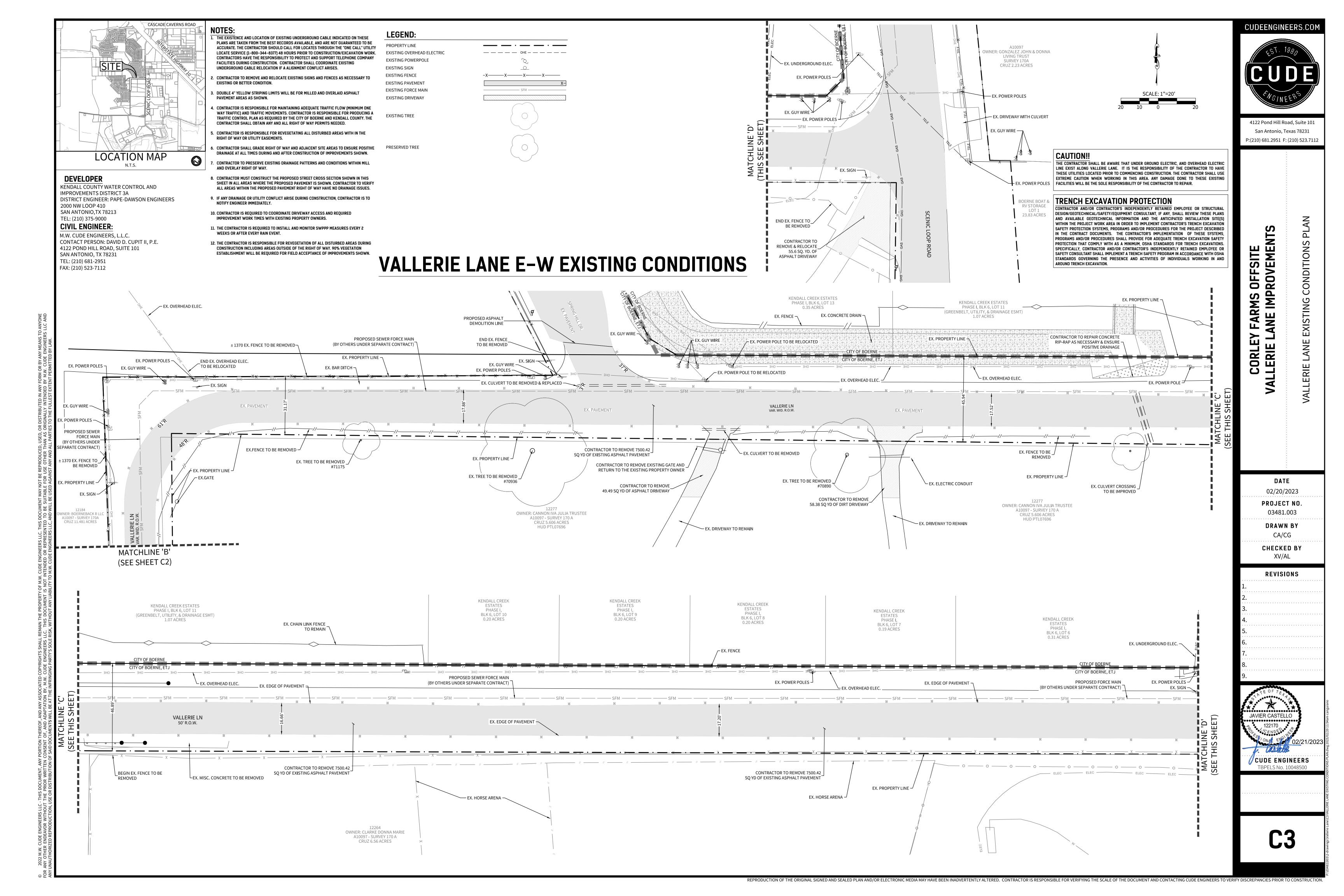
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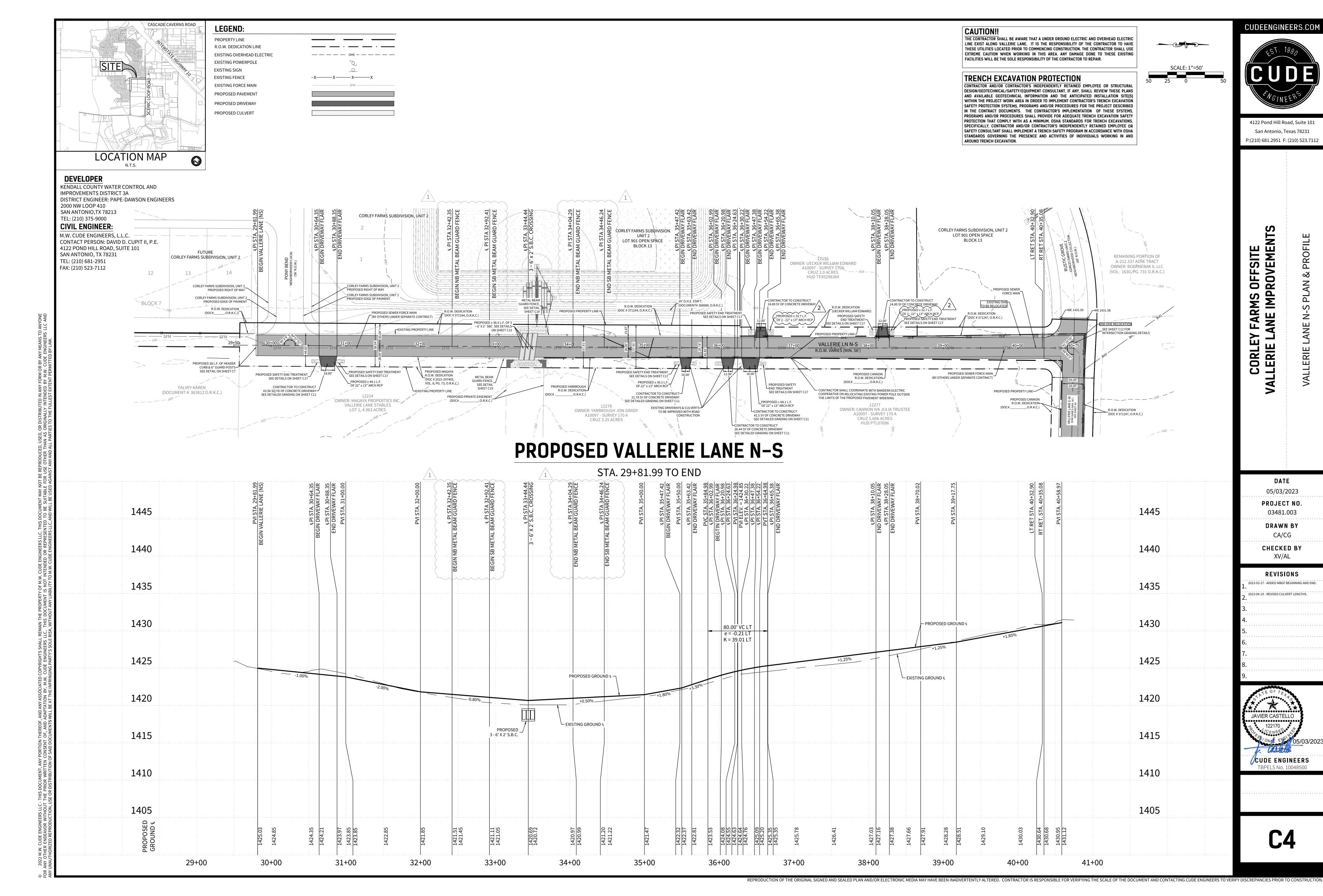
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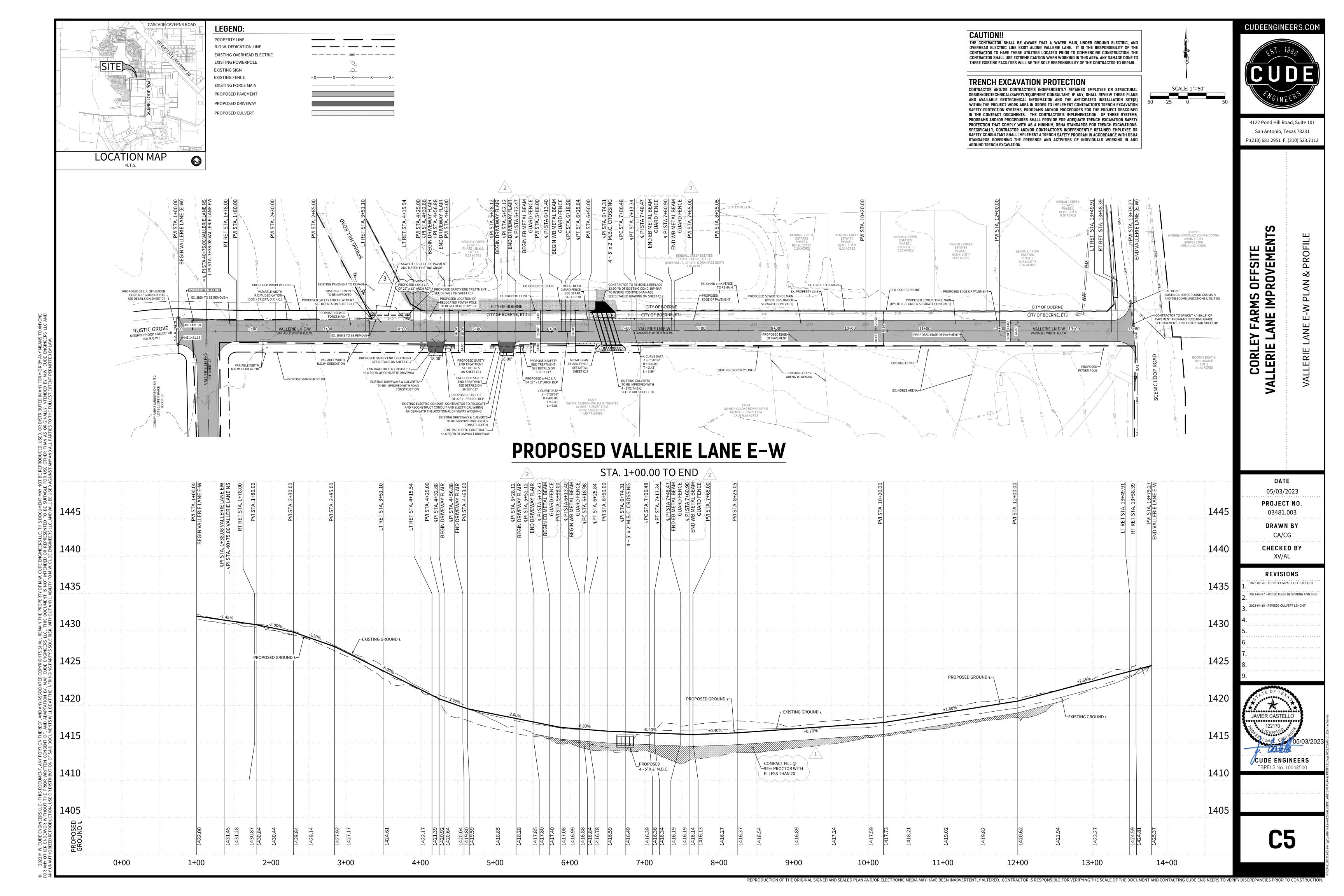
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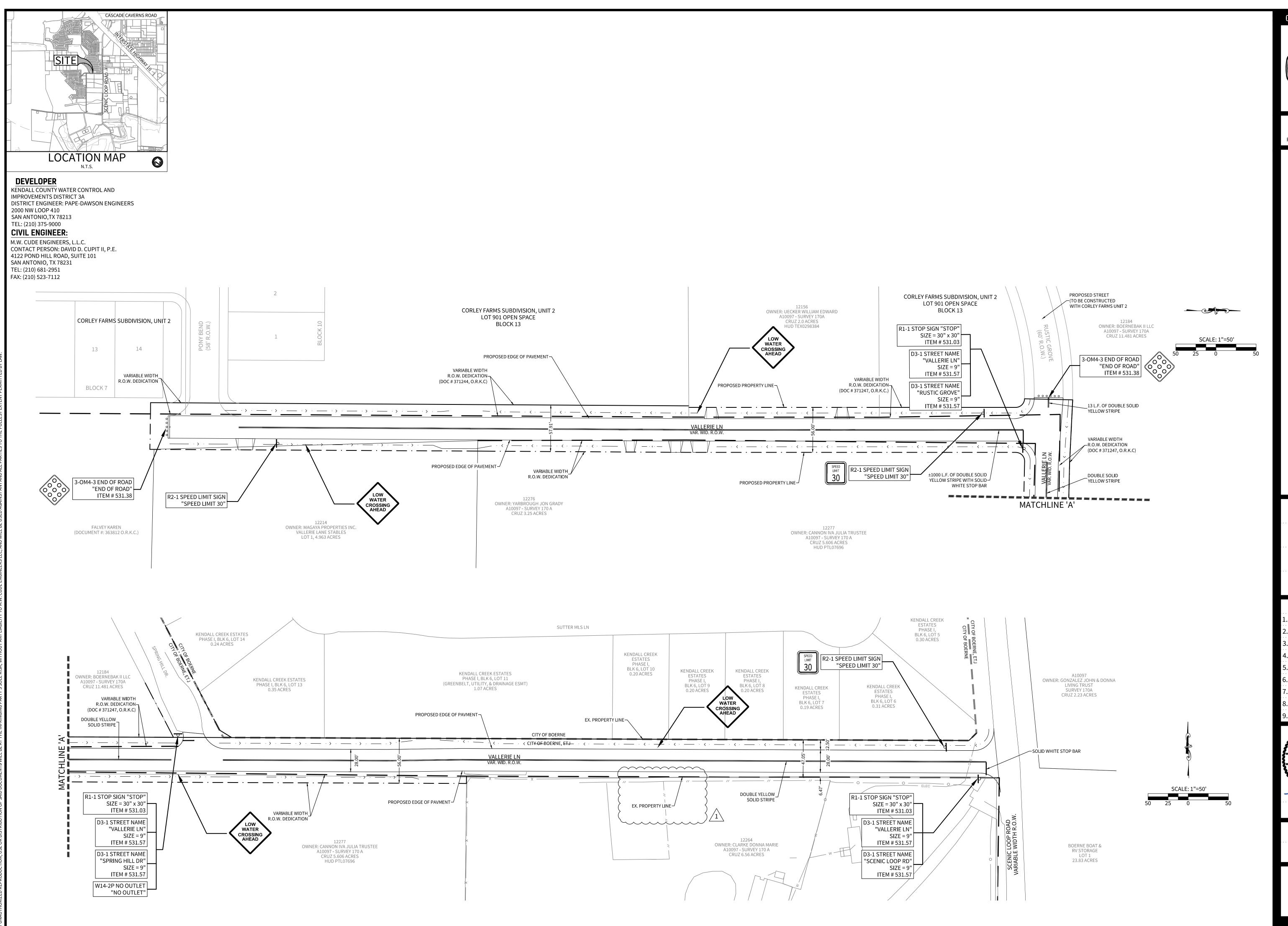
REVISIONS

JAVIER CASTELLO









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CORLEY FARMS OFFSITE VALLERIE LANE IMPROVEMENTS

SIGNAGE

DATE
03/27/2023
PROJECT NO.
03481.003

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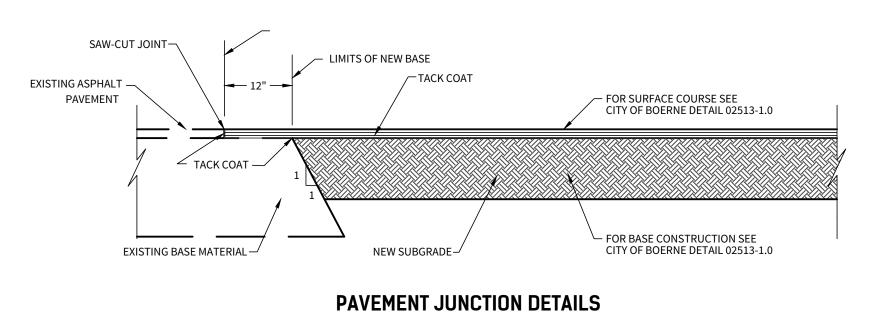
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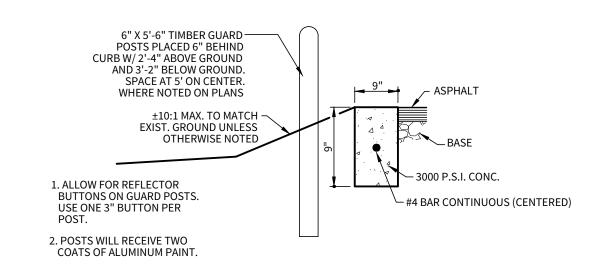
2023-03-27 - REVISED RIGHT OF WAY.



C6



PAVEMENT JUNCTION DETAILS N.T.S.

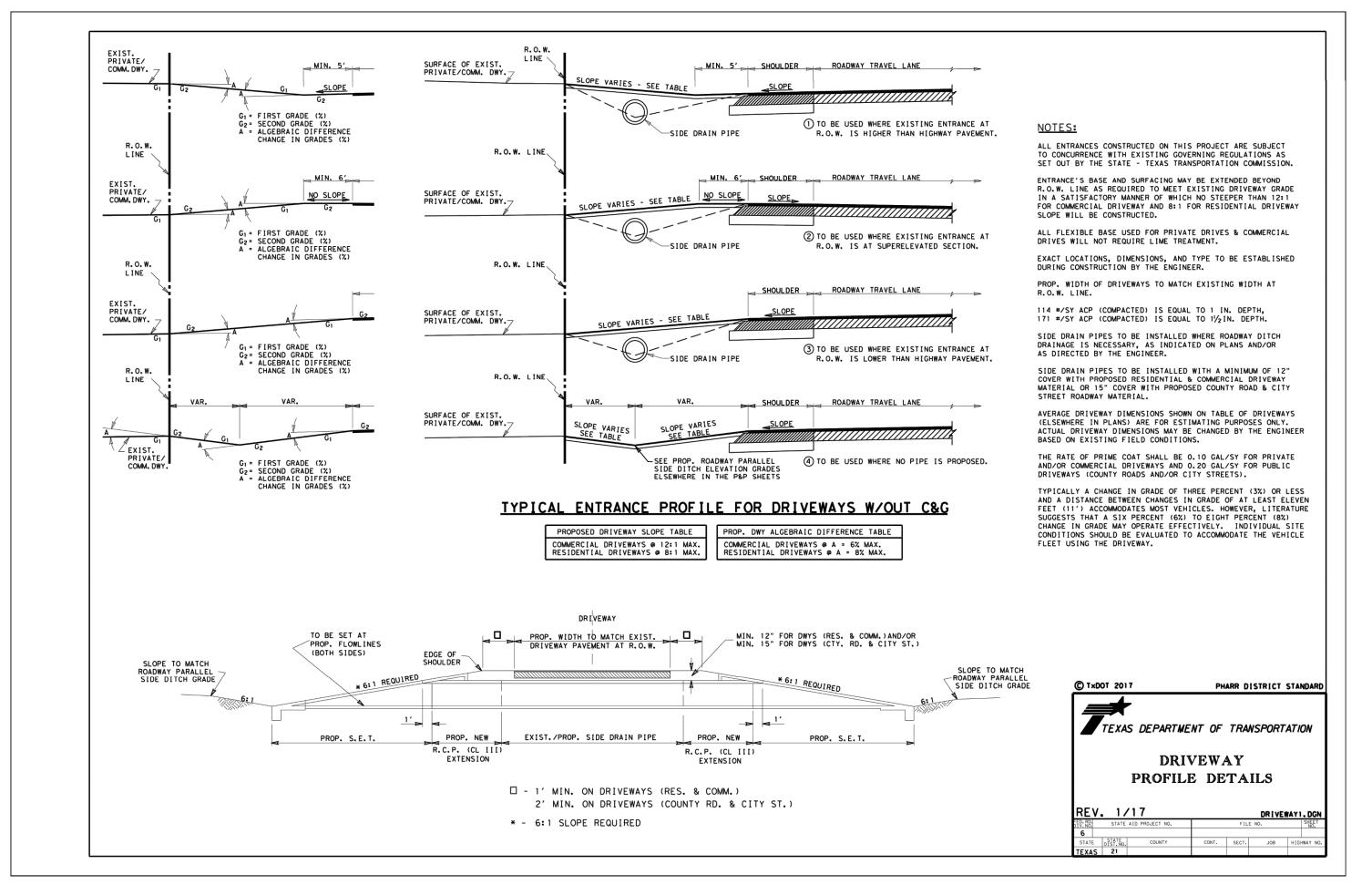


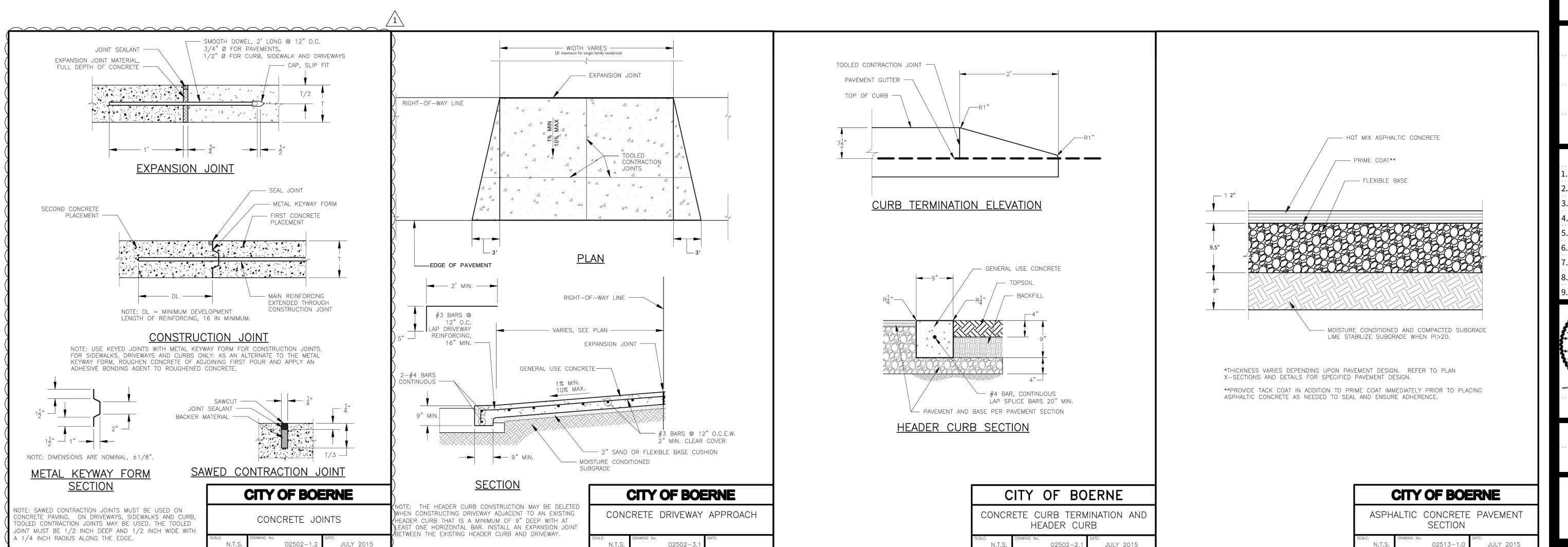
HEADER CURB & GUARD POST DETAIL

N.T.S.

NOTES

- 1. PAVEMENT DESIGN THICKNESS BASED ON GEOTECHNICAL REPORT. SEE TABLE FOR STRUCTURAL NUMBER CALCULATION. REFERENCE PROJECT GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ALTERNATE PAVEMENT SECTIONS.
- 2. ANY AREAS OF CLAY ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED DOWN TO THE WEATHERED/FRIABLE MARLSTONE/LIMESTONE AND PROPERLY BACKFILLED WITH MARLSTONE/LIMESTONE MILLINGS HAVING A CBR VALUE EQUAL OR EXCEEDING 6.
- 3. A GEOTECHNICAL ENGINEERING REPRESENTATIVE SHALL BE RETAINED TO: (1) OBSERVE THE SITE PREPARATION AND SUBGRADE OPERATIONS. (2) EVALUATE THE ACTUAL SUBGRADE MATERIAL CLASSIFICATION; AND (3) VERIFY THAT RECOMMENDATIONS ARE FOLLOWED. THE ACTUAL SUBGRADE CONDITION AT A PARTICULAR LOCATION WILL NEED TO BE EVALUATED DURING CONSTRUCTION ONCE THE SUBGRADE IS CUT/FILLED TO THE PROPER GRADE.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING MATERIAL TESTING. TESTING TO BE PAID BY OWNER.
- 5. PAVEMENT SECTIONS ARE SUBJECT TO CHANGE DUE TO RETESTING OF SOIL AFTER STREET EXCAVATION HAS BEEN DONE TO TOP OF CURB.
- 6. CONTRACTOR SHALL CONTACT ENGINEER 48 HRS IN ADVANCE FOR FIELD OBSERVATION DURING STREET CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO CONTACT ENGINEER FOR INSPECTION OF THE SUBGRADE, BASE, ASPHALT, AND CURB.
- 7. GENERAL FILL MATERIALS SHOULD CONSIST OF ONSITE SOILS OR CLEAN IMPORTED FILL SOILS WITH EQUAL OR BETTER CBR CHARACTERISTICS TO THE ONSITE SOILS. GENERAL FILL MATERIAL SHOULD BE CLEAN AND FREE OF ANY VEGETATION ROOTS, ORGANIC MATERIALS, TRASH OR GARBAGE, CONSTRUCTION DEBRIS, OR OTHER DELETERIOUS MATERIALS AND SHOULD CONTAIN NO LARGER THAT THREE (3) INCHES IN MAXIMUM DIMENSION.





P:(210) 681.2951 F: (210) 523.7112 DEFSITE ROVEMENTS ~ TRE RIE CORLI Lerie

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San Antonio, Texas 78231

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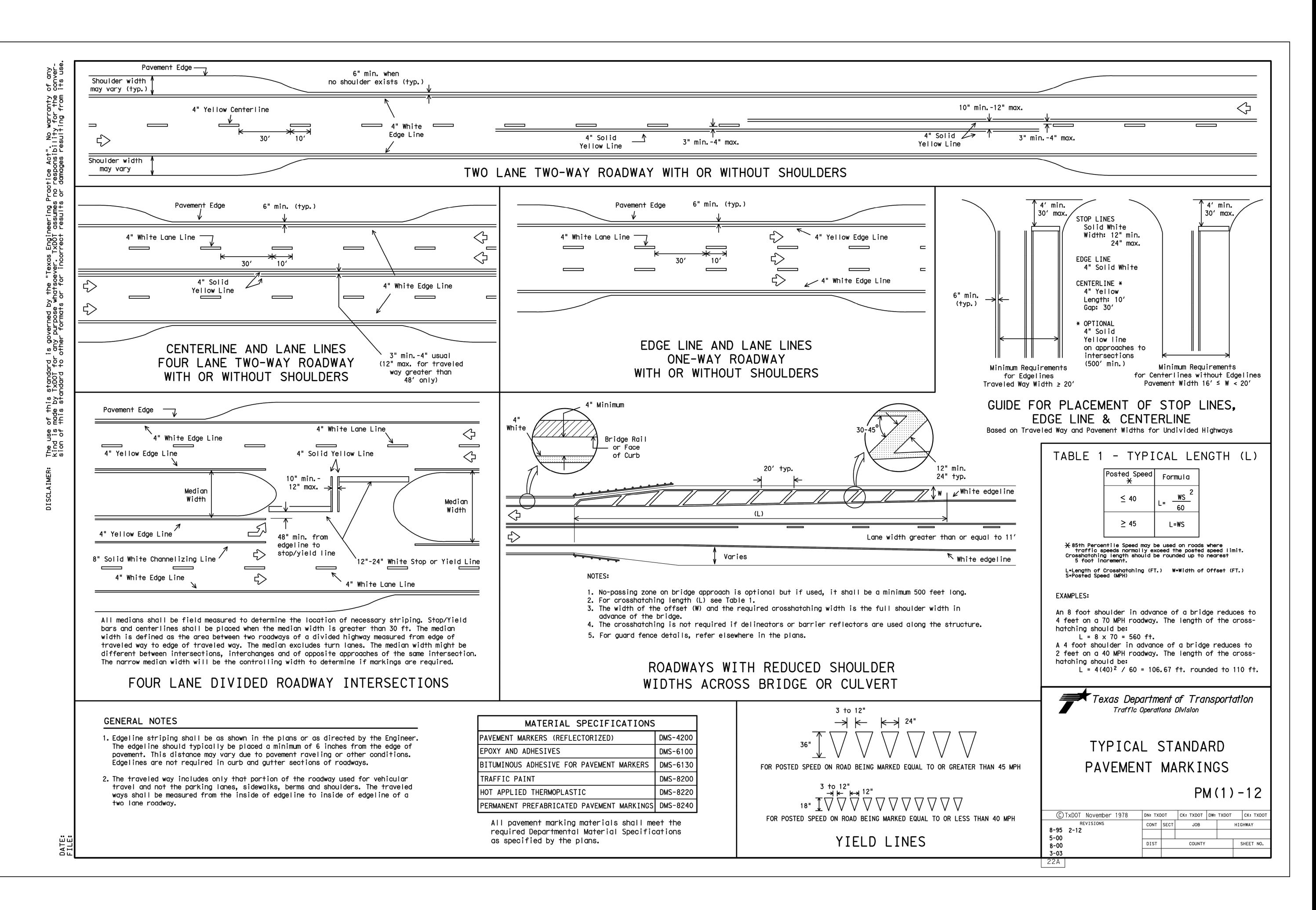
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CA/CG

2023-02-20 - ADDED CONCRETE JOINT DETAIL

JAVIER CASTELLO 122170 CUDE ENGINEERS

TBPELS No. 10048500



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CORLEY FARMS OFFSITE VALLERIE LANE IMPROVEMENTS

> DATE 02/20/2023 PROJECT NO.

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03481.003

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JAVIER CASTELLO

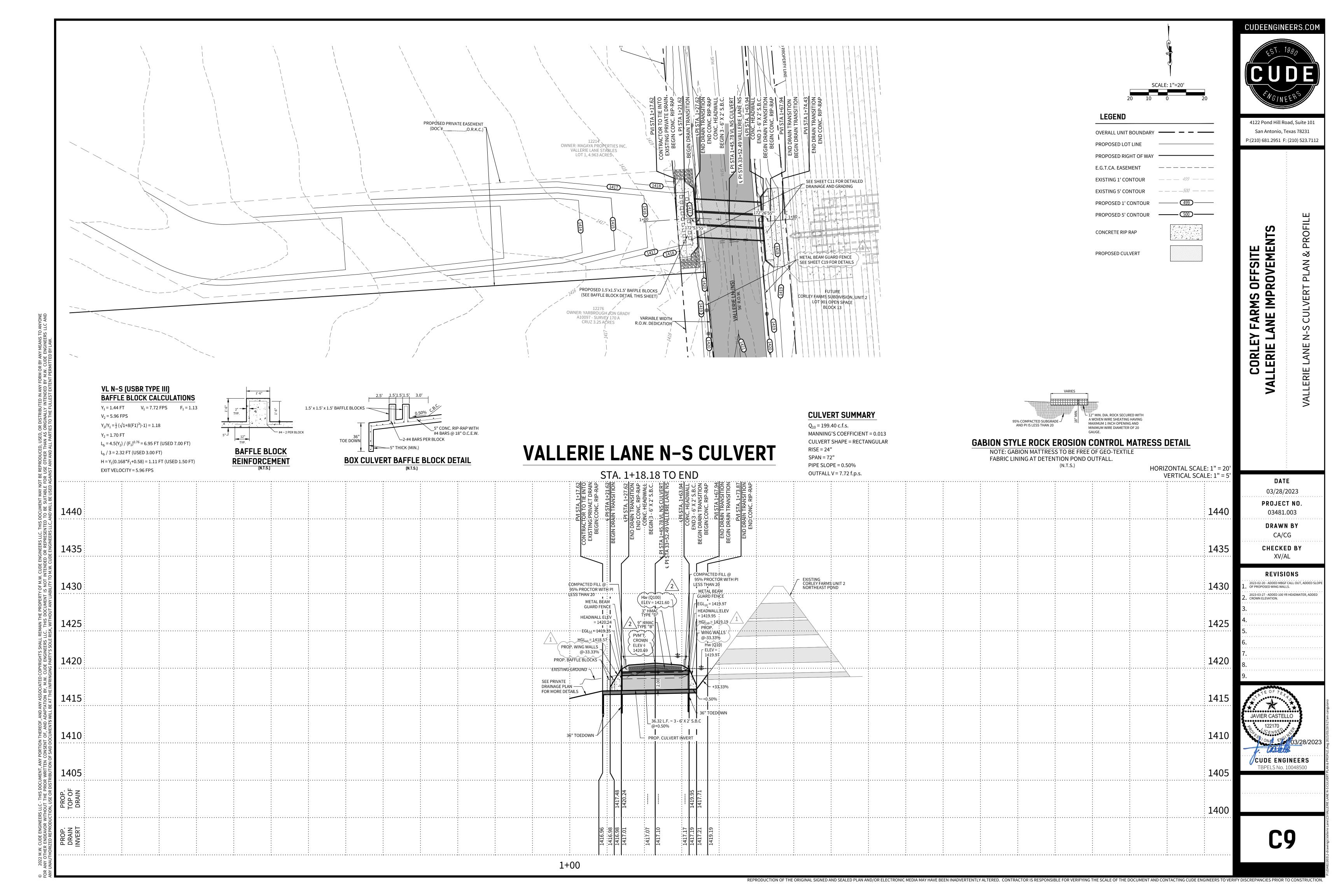
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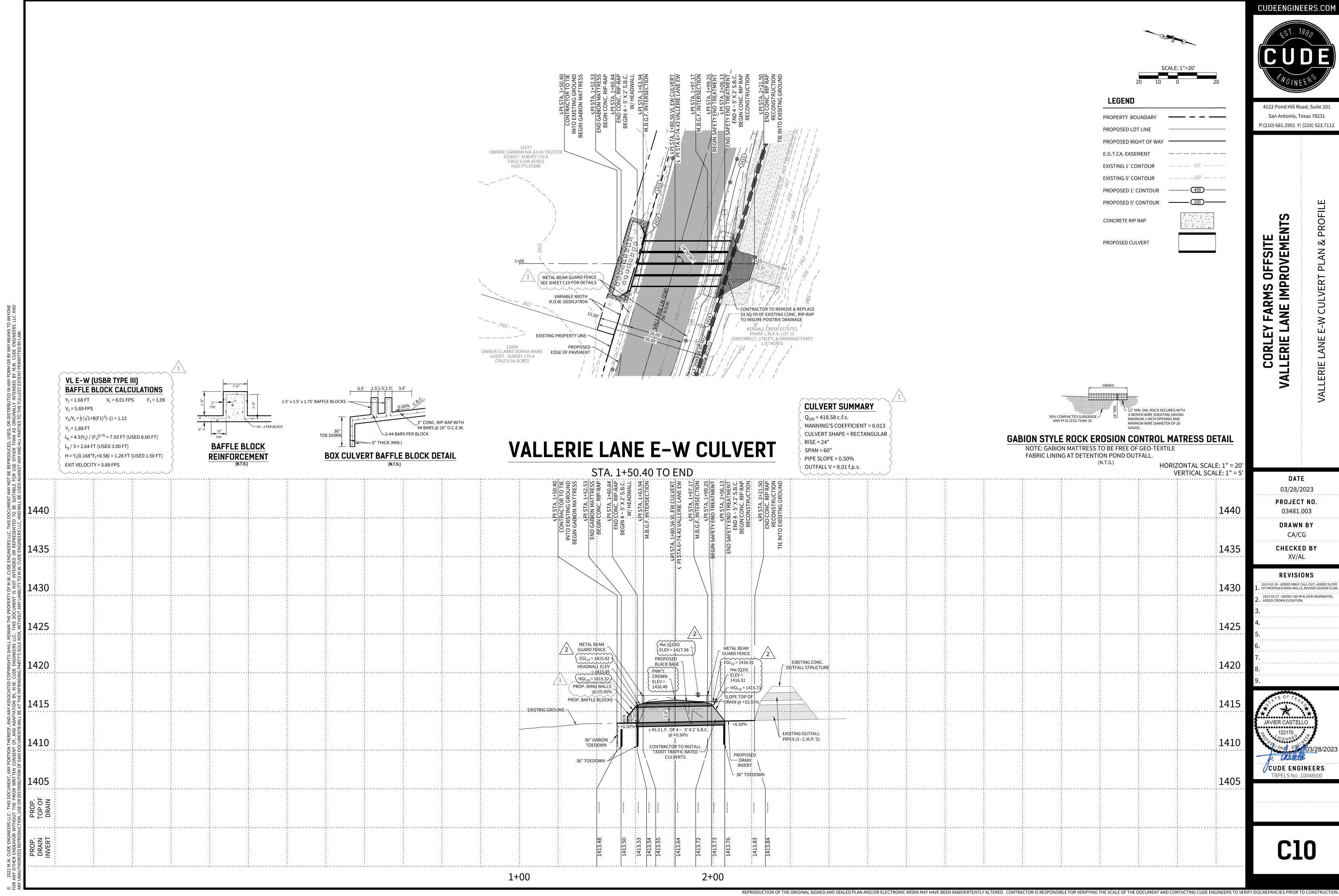
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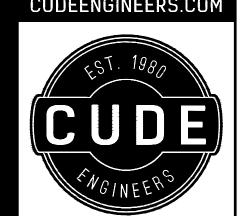
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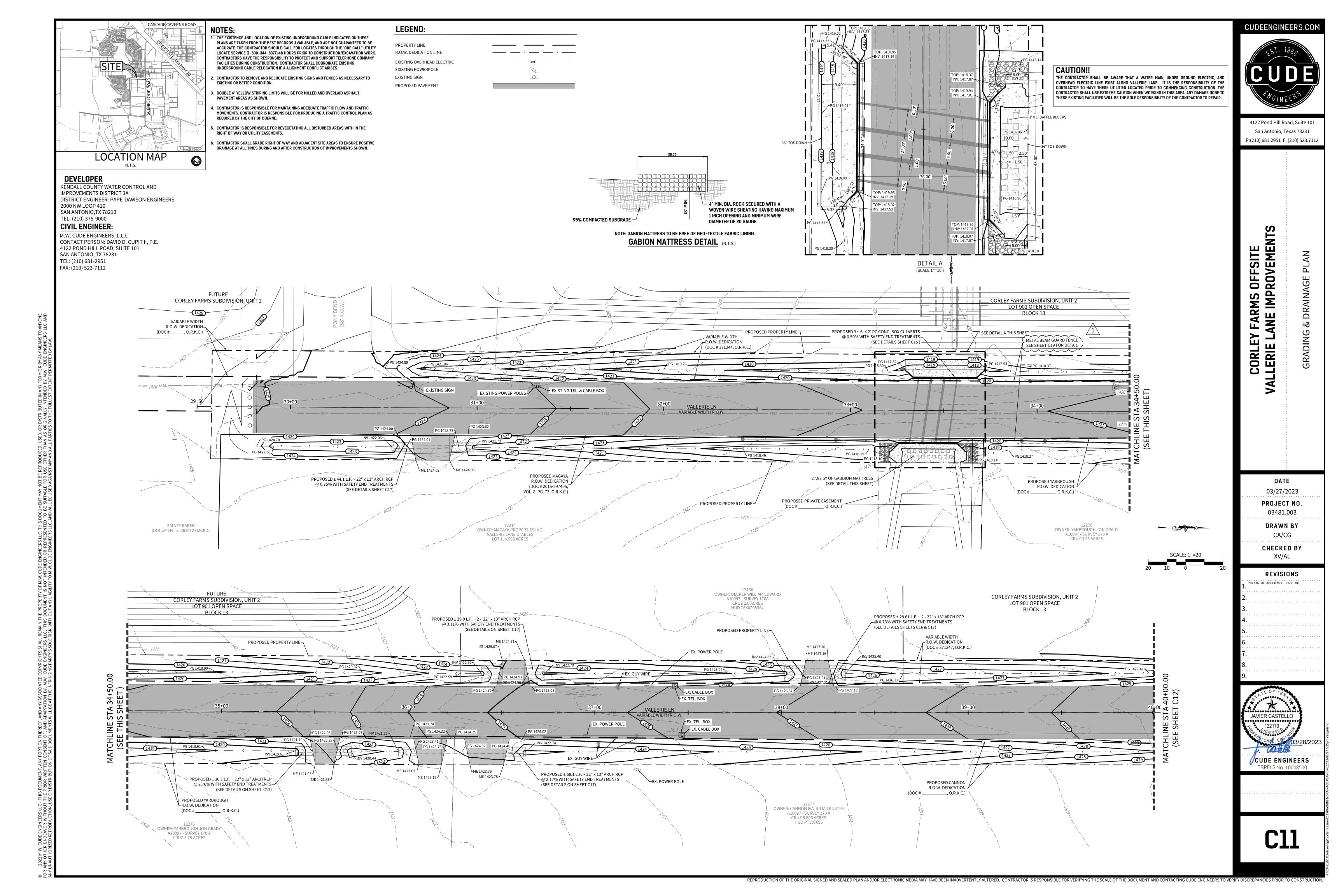
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TBPELS No. 10048500

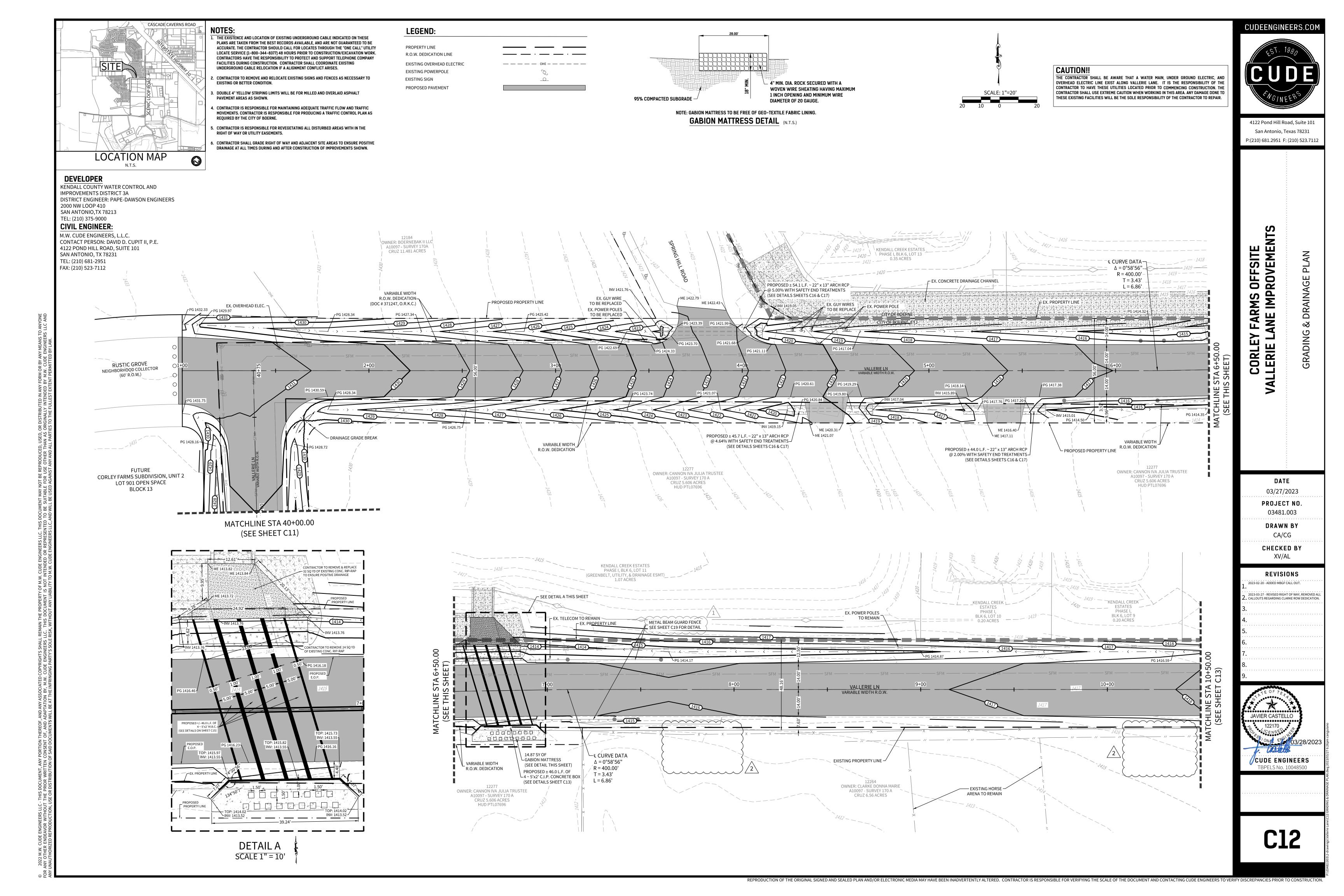
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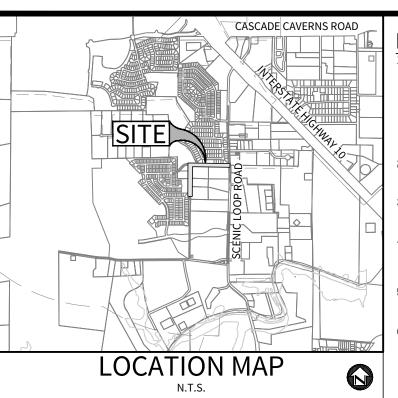












DEVELOPER

KENDALL COUNTY WATER CONTROL AND IMPROVEMENTS DISTRICT 3A DISTRICT ENGINEER: PAPE-DAWSON ENGINEERS 2000 NW LOOP 410 SAN ANTONIO,TX 78213 TEL: (210) 375-9000

CIVIL ENGINEER:

M.W. CUDE ENGINEERS, L.L.C.
CONTACT PERSON: DAVID D. CUPIT II, P.E.
4122 POND HILL ROAD, SUITE 101
SAN ANTONIO, TX 78231
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LEGEND:

EXISTING POWERPOLE

PROPOSED PAVEMENT

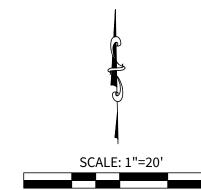
EXISTING SIGN

PROPERTY LINE

R.O.W. DEDICATION LINE

EXISTING OVERHEAD ELECTRIC

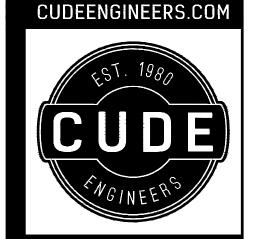
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CAUTION!!

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THE CONTRACTOR SHALL BE AWARE THAT A WATER MAIN, UNDER GROUND ELECTRIC, AND OVERHEAD ELECTRIC LINE EXIST ALONG SCENIC LOOP ROAD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THESE UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THIS AREA. ANY DAMAGE DONE TO THESE EXISTING FACILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.



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VALLERIE LANE IMPROVEMENTS

DATE 03/27/2023 PROJECT NO.

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REVISIONS

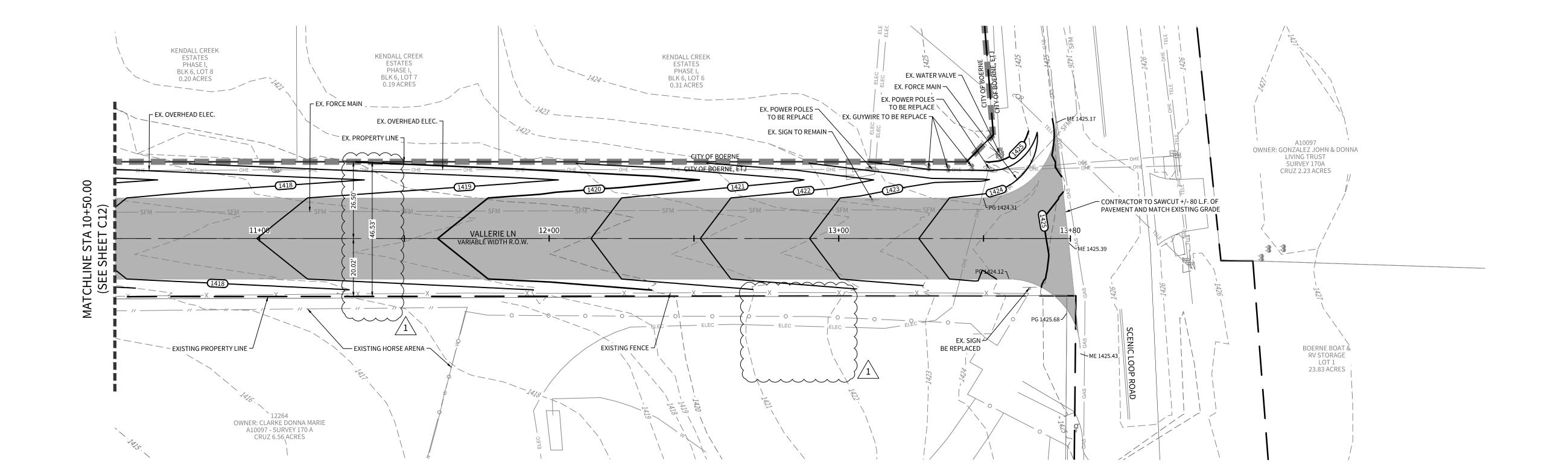
2023-03-27 - REVISED RIGHT OF WAY, REMOVED AL

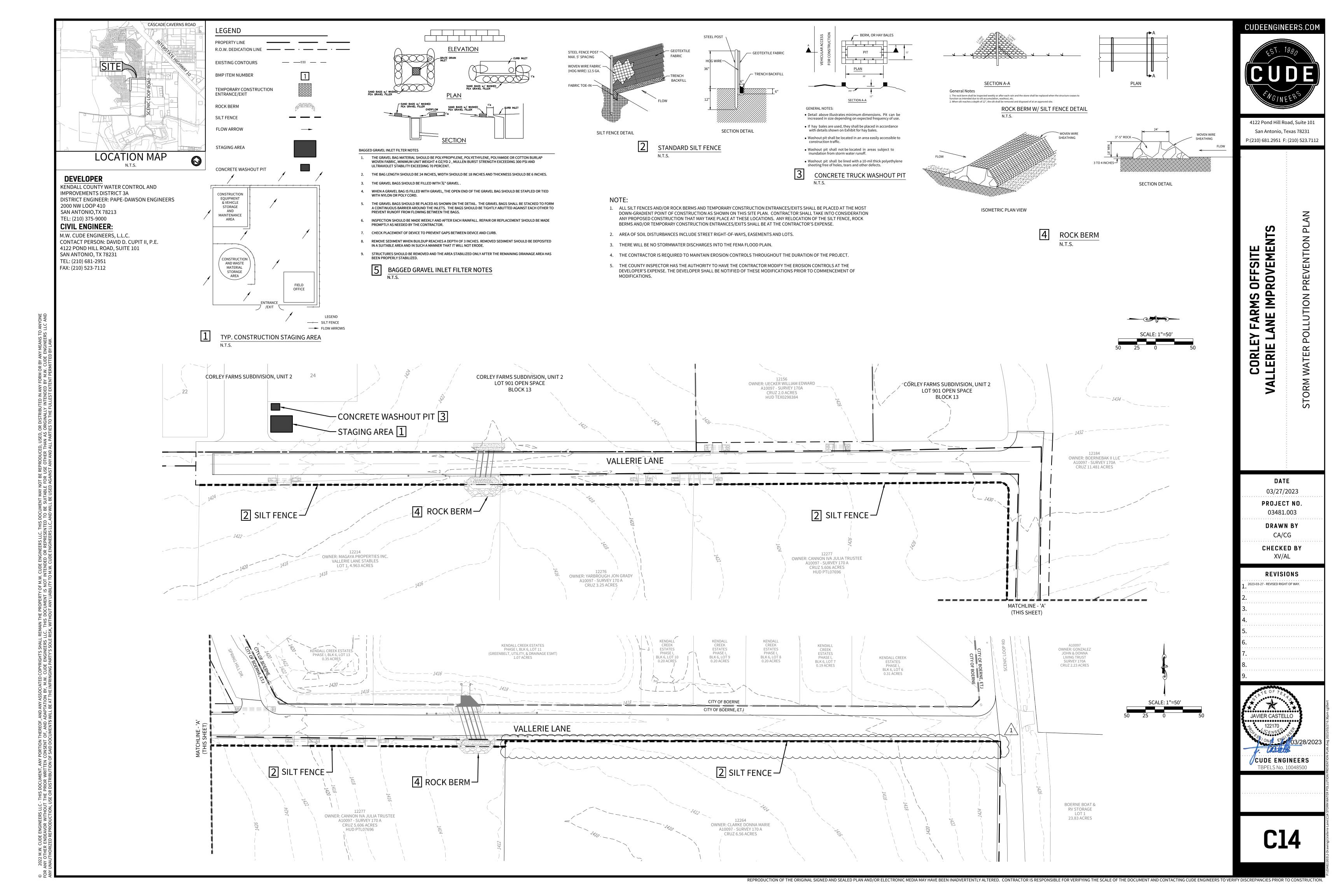
ALLOUTS REGARDING CLARKE ROW DEDICATION.

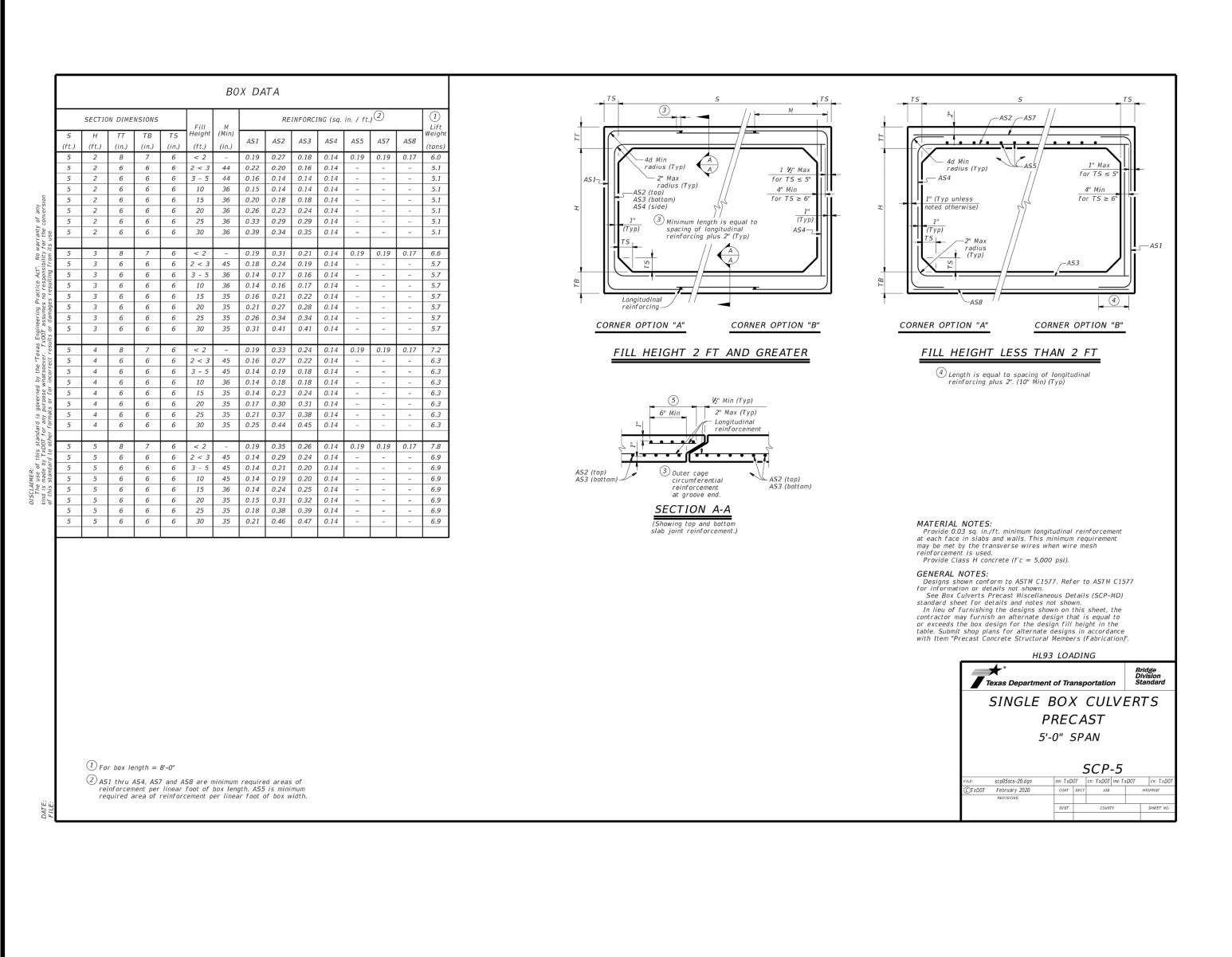
JAVIER CASTELLO

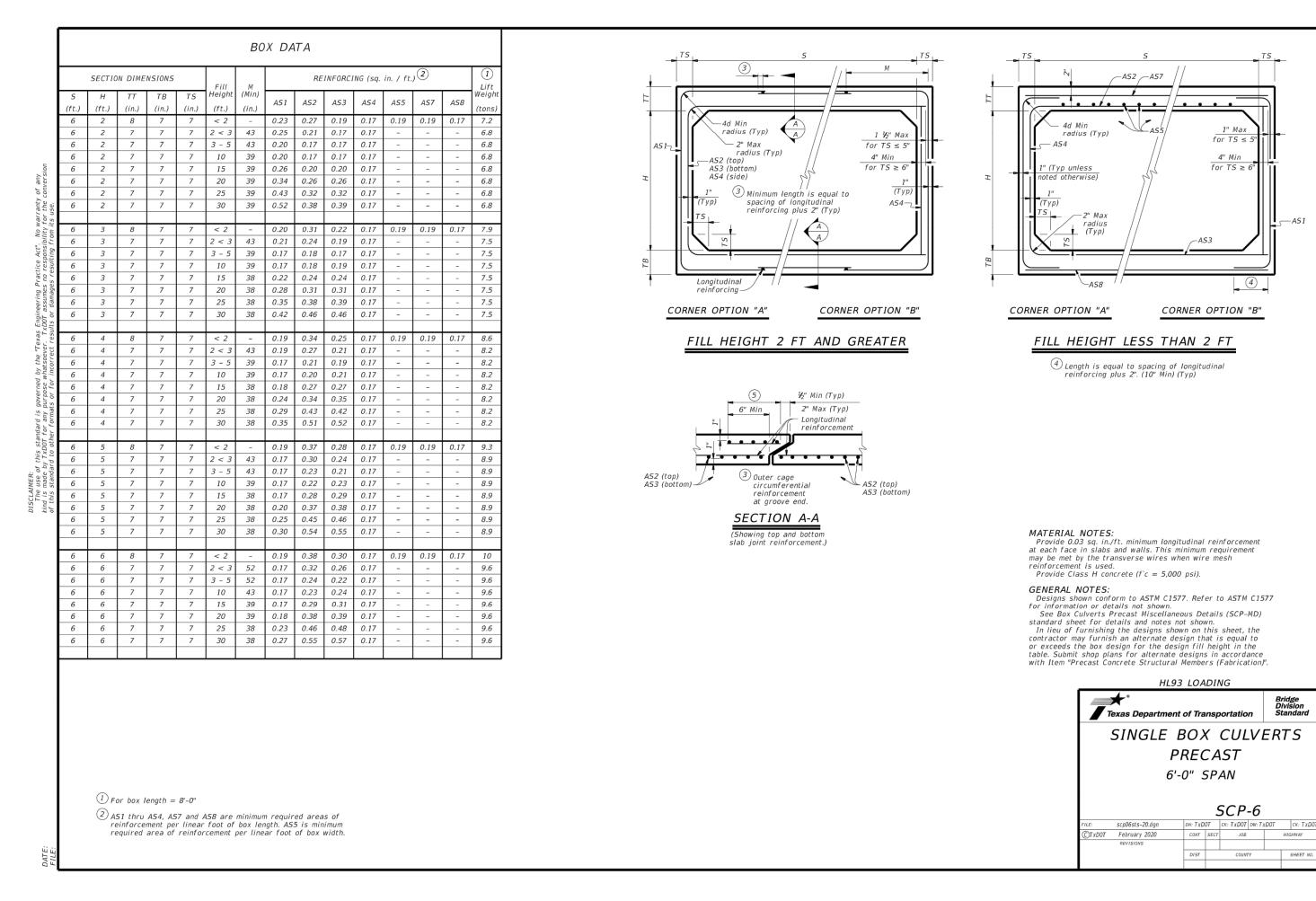
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TBPELS No. 10048500

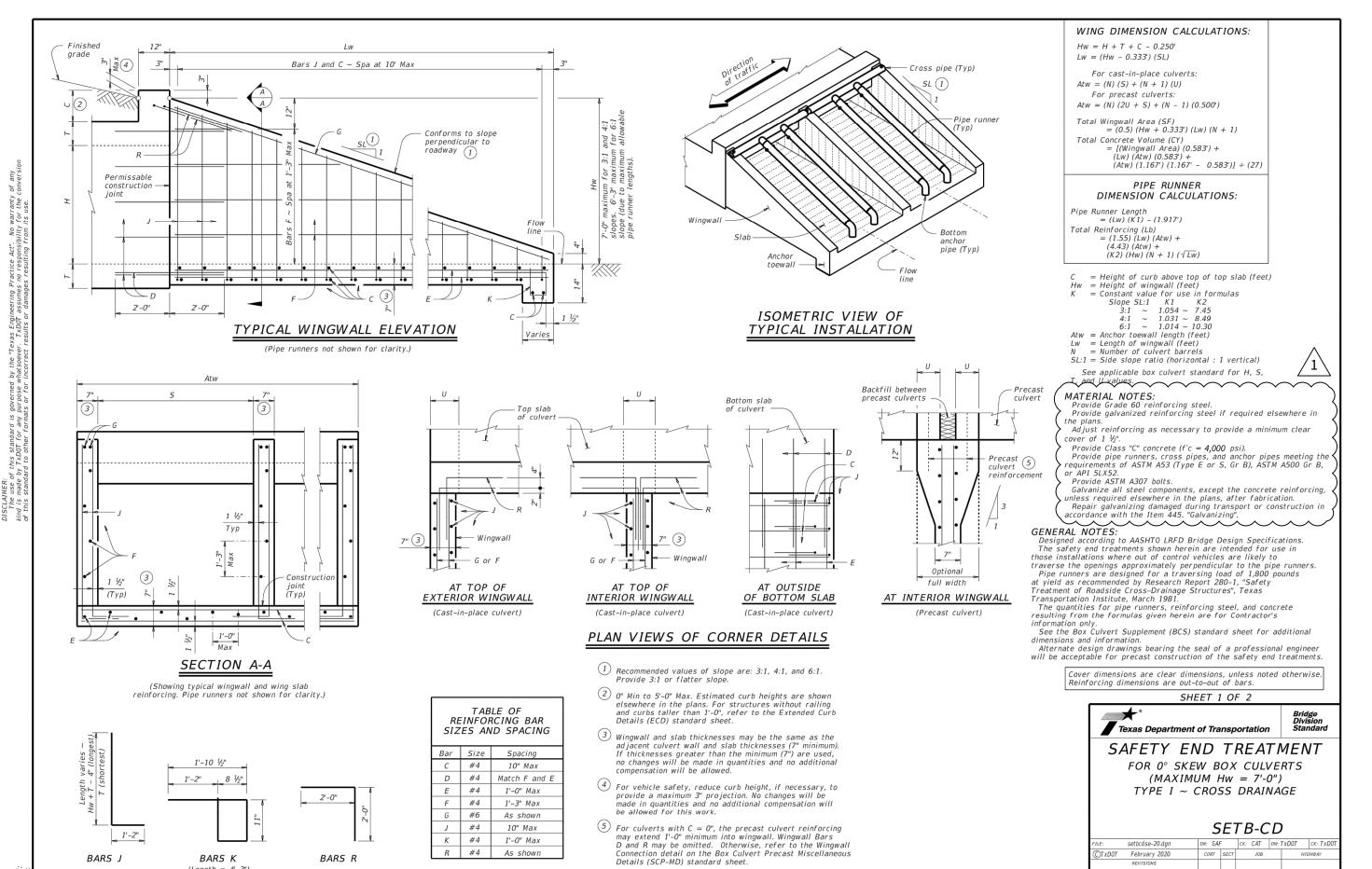
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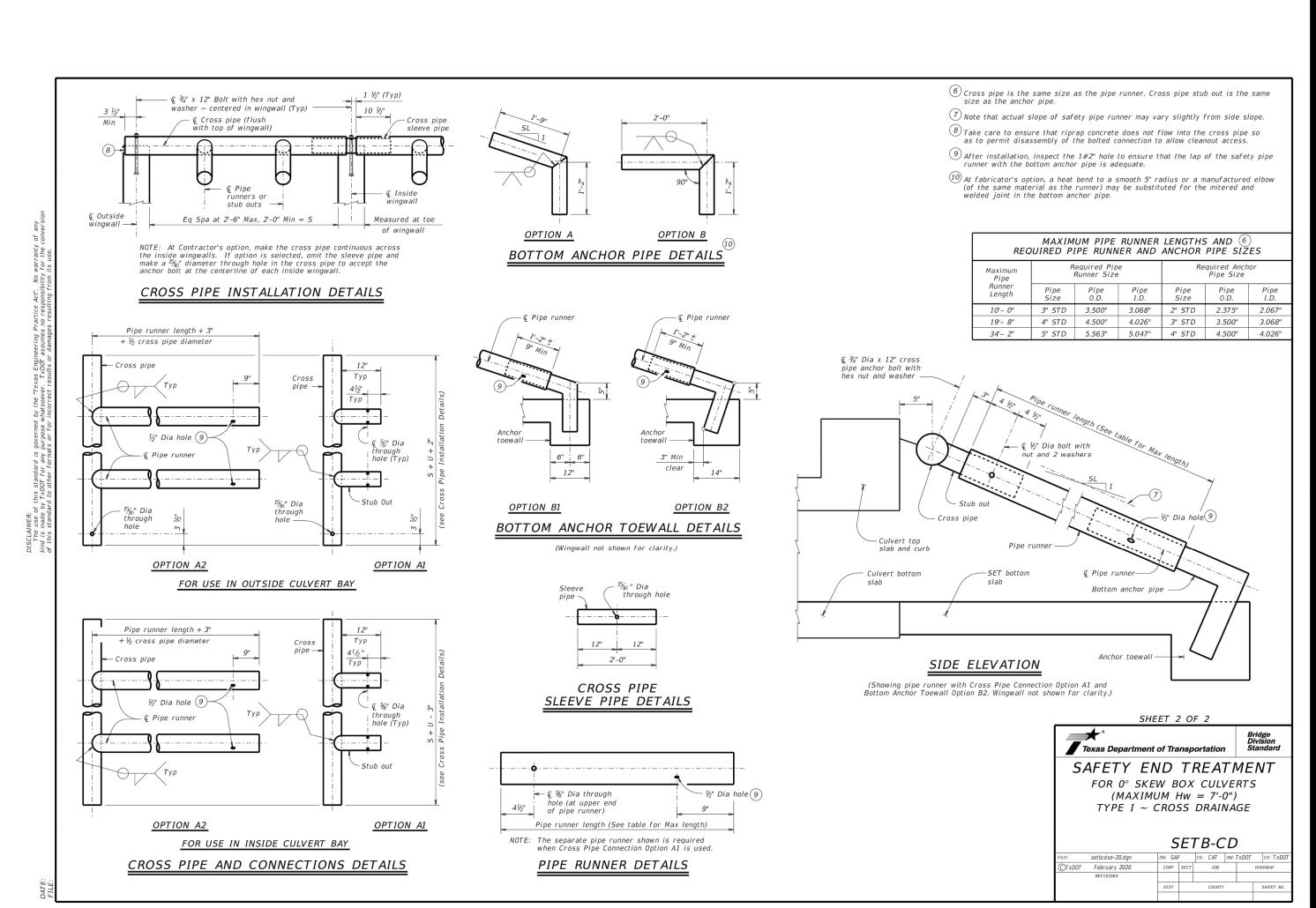




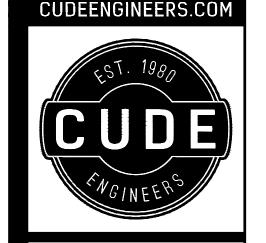








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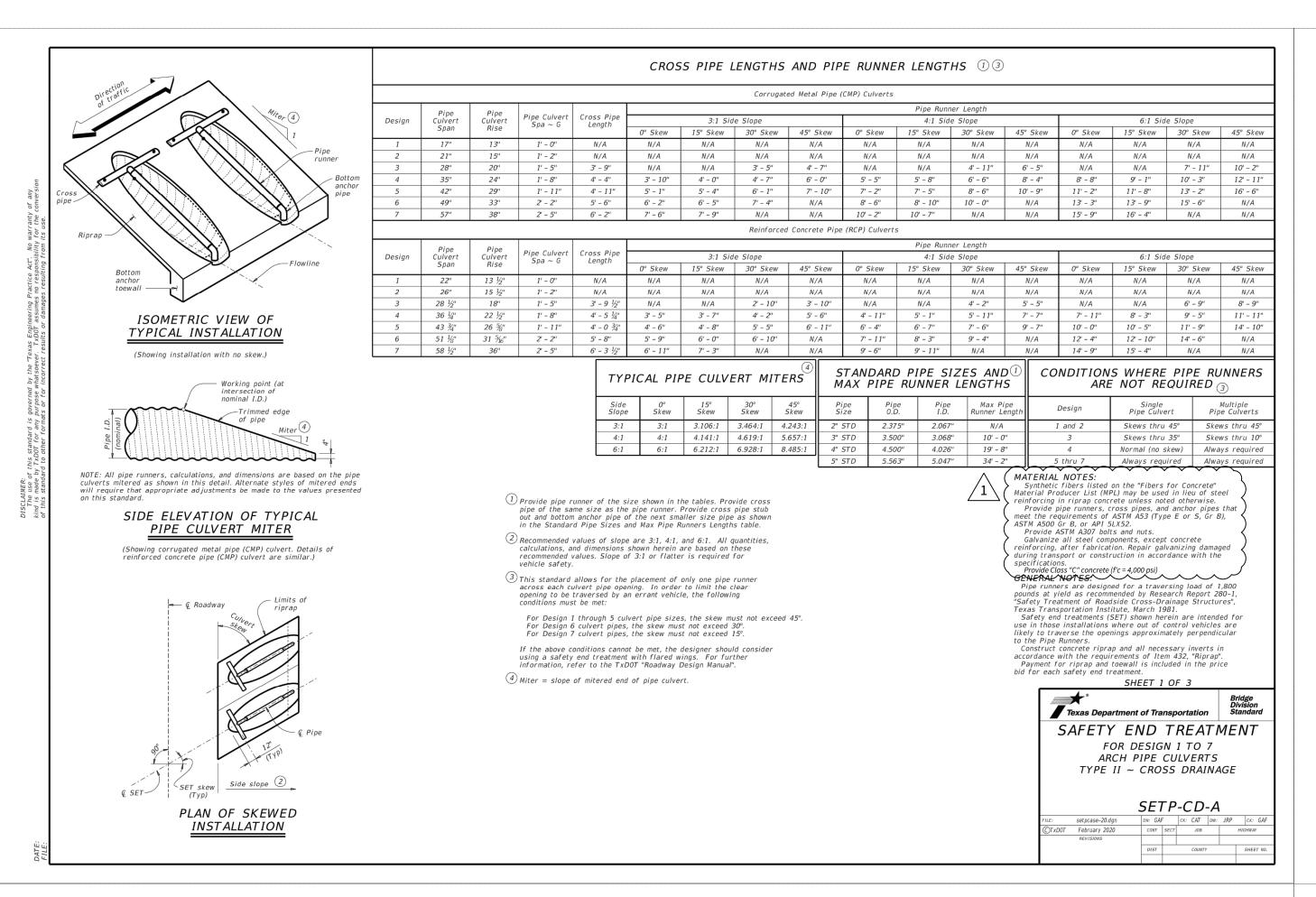
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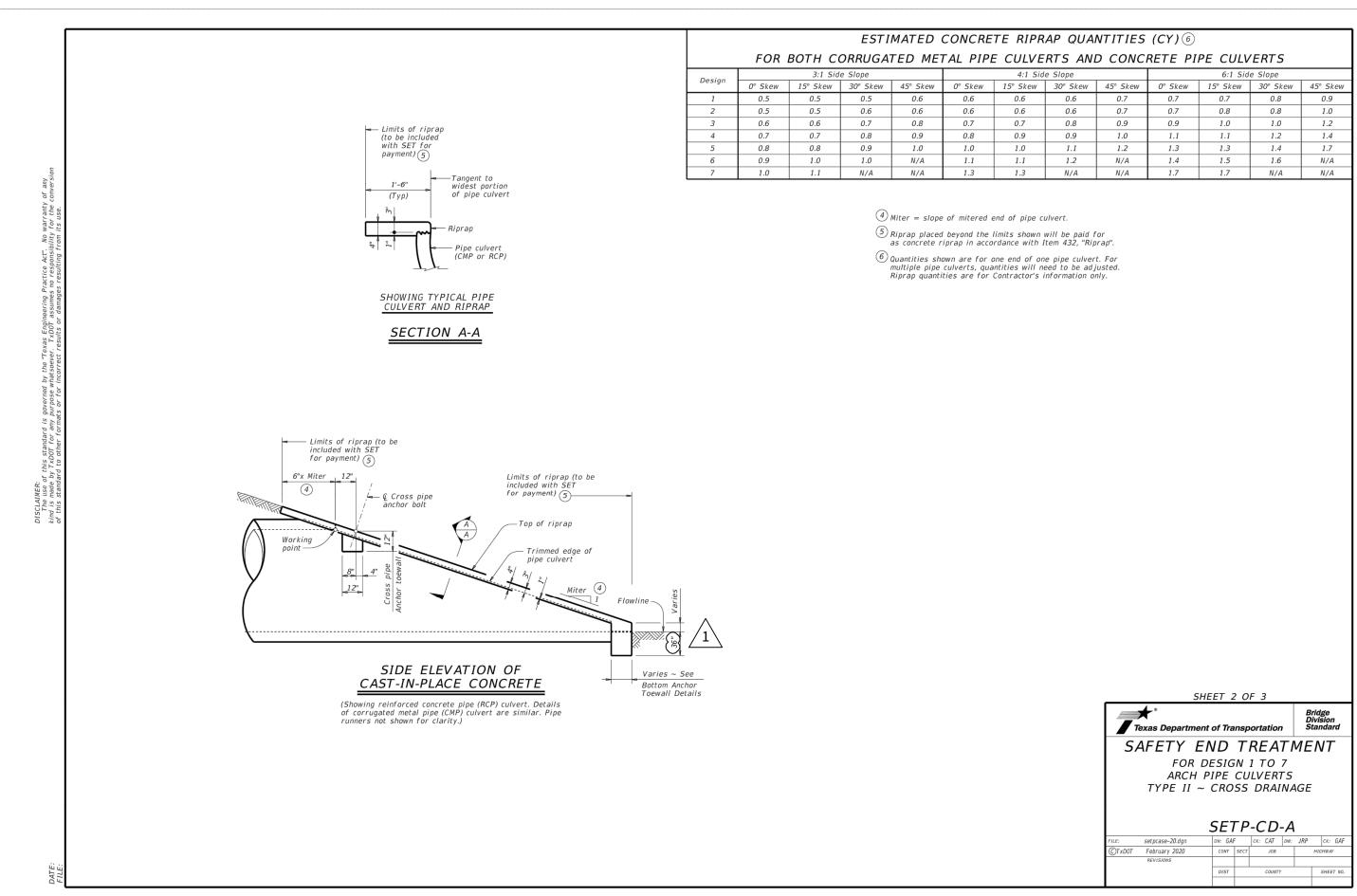
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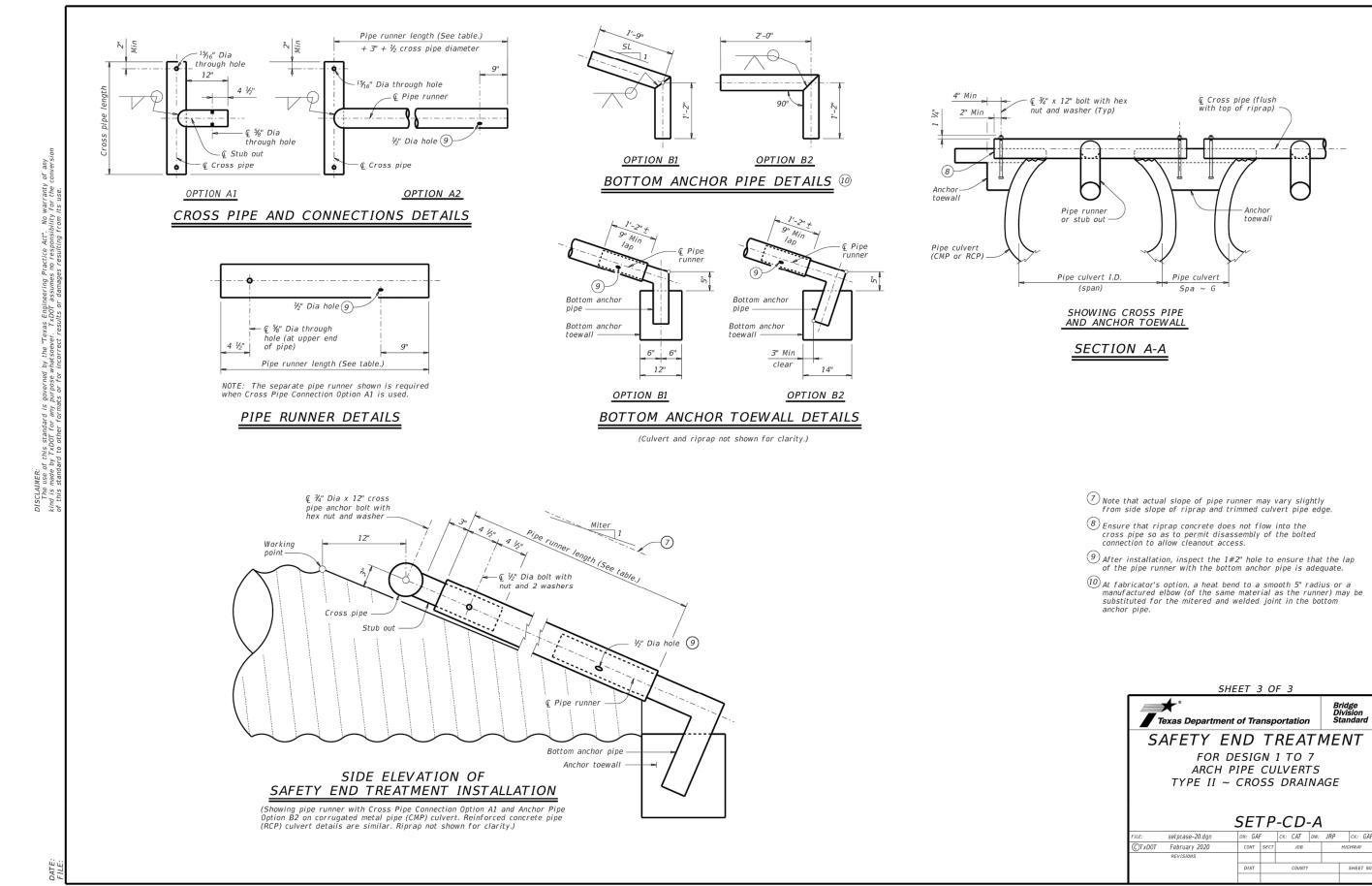
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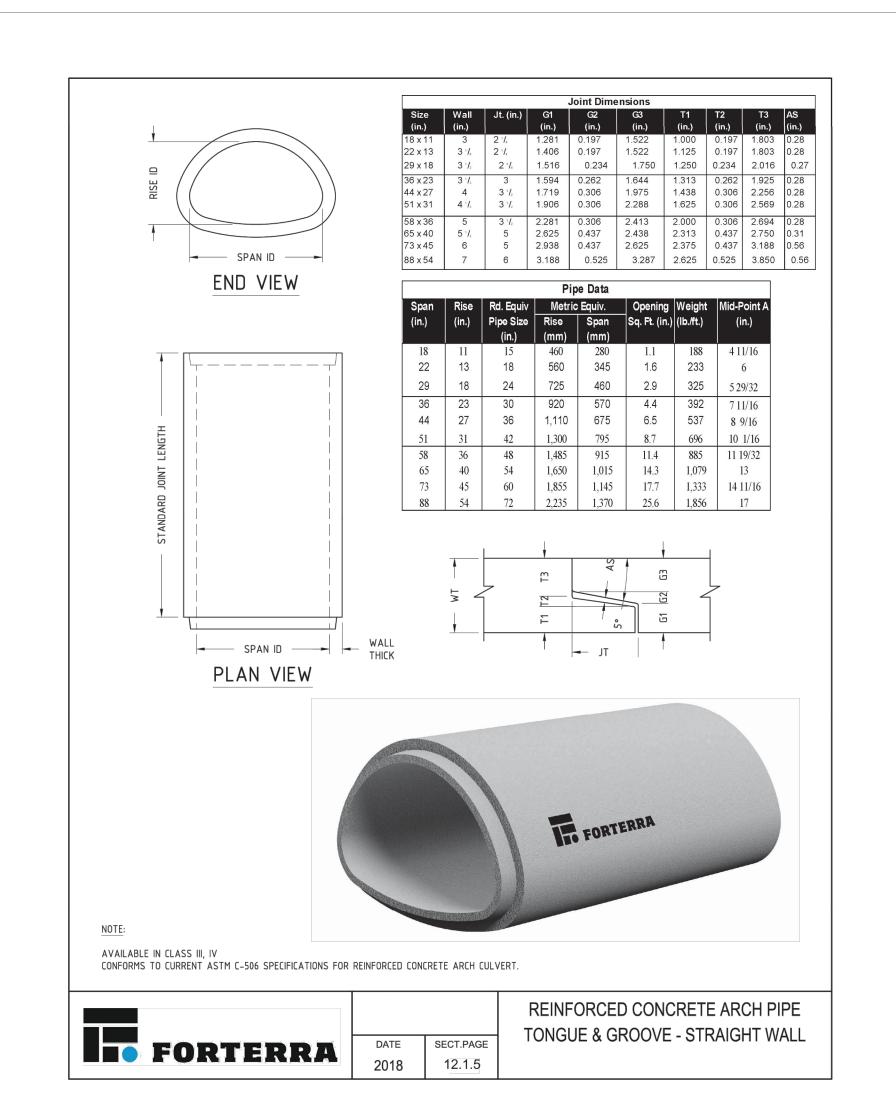
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JAVIER CASTELLO

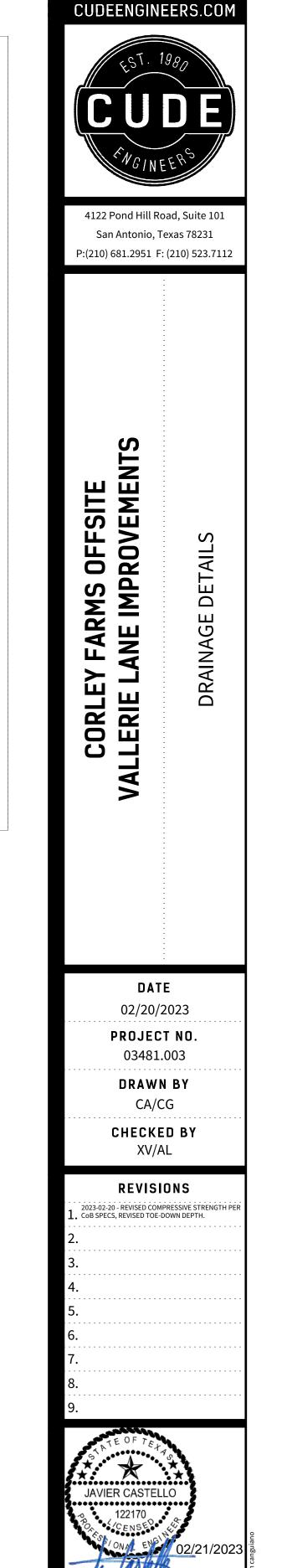




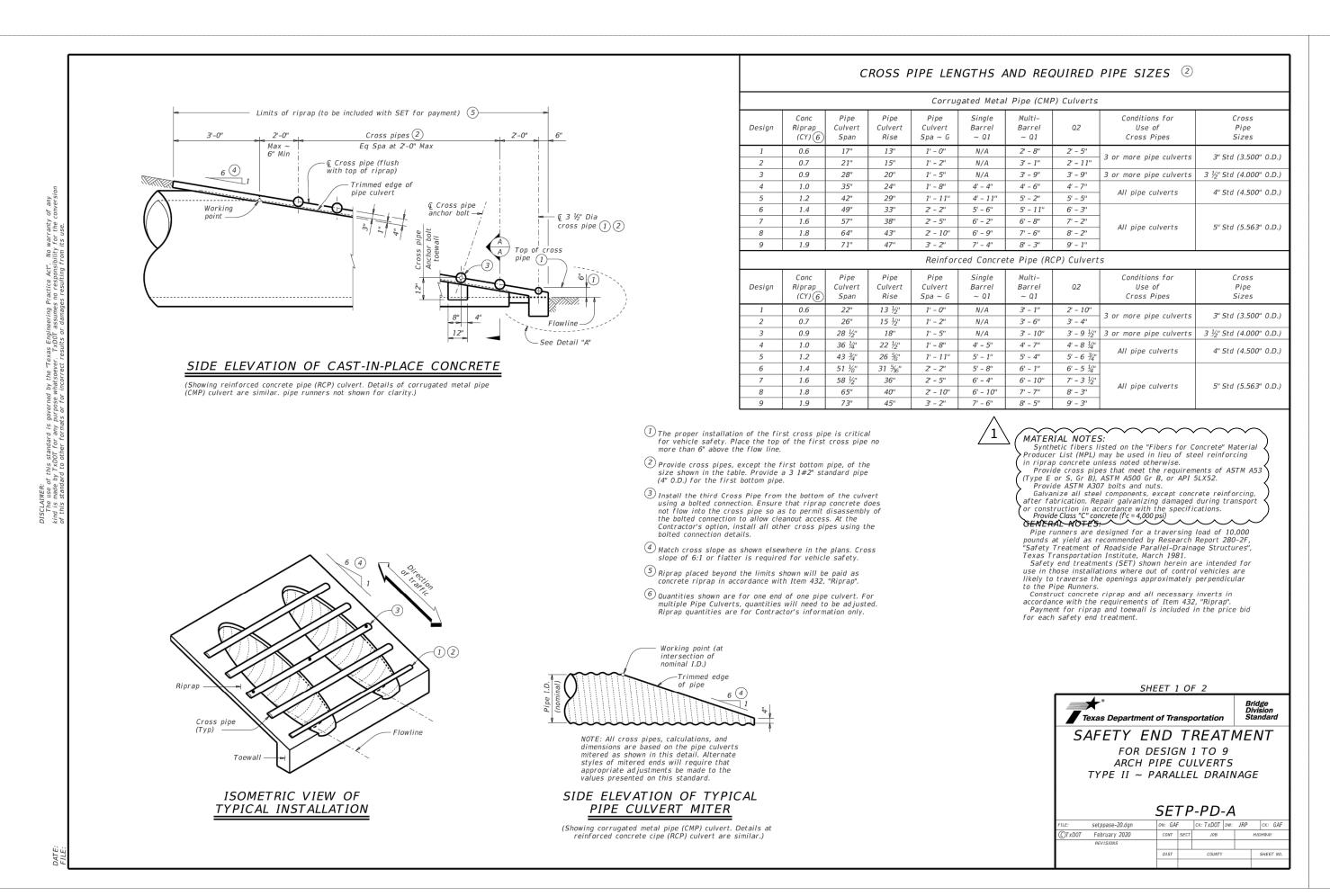


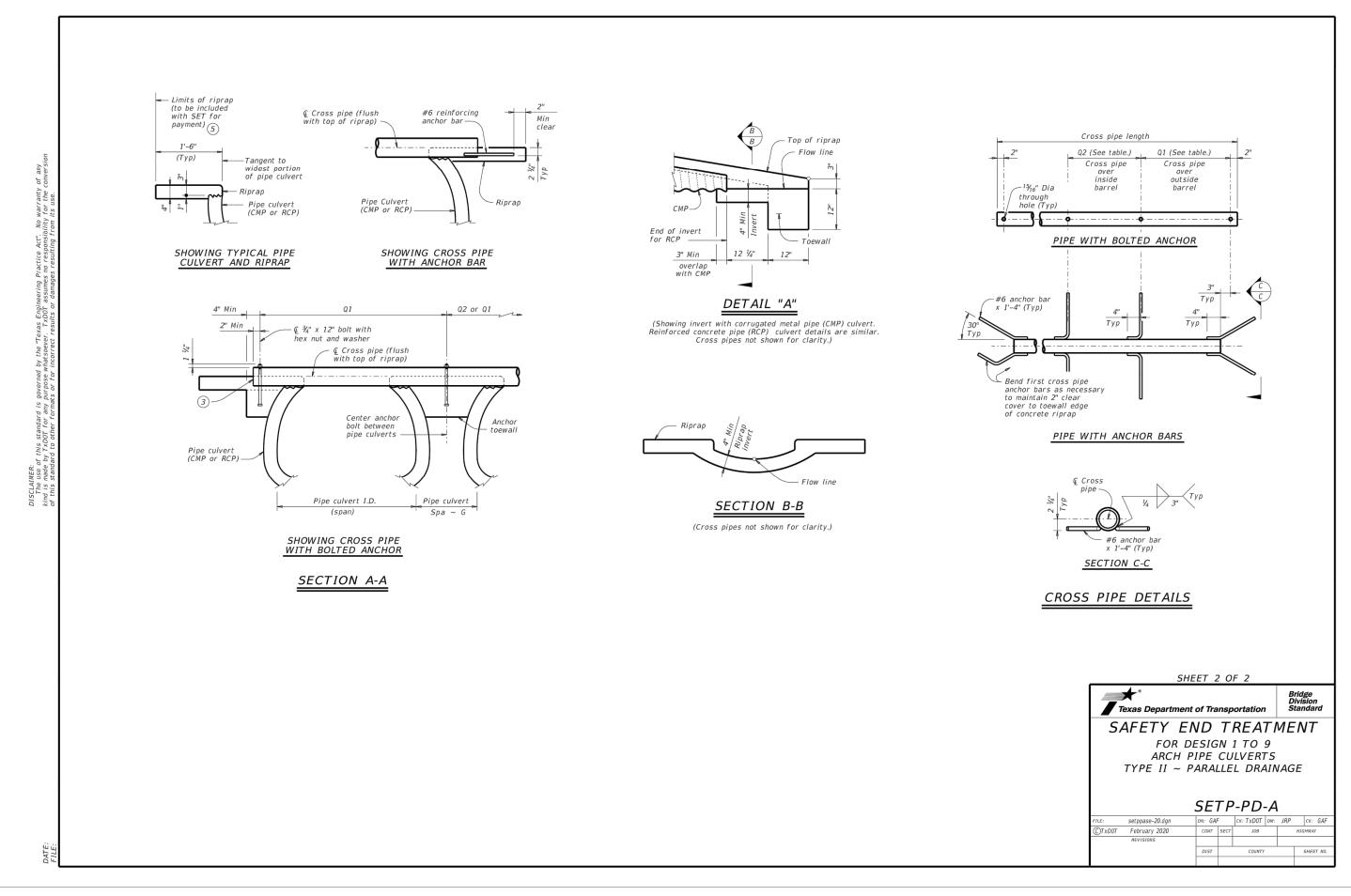


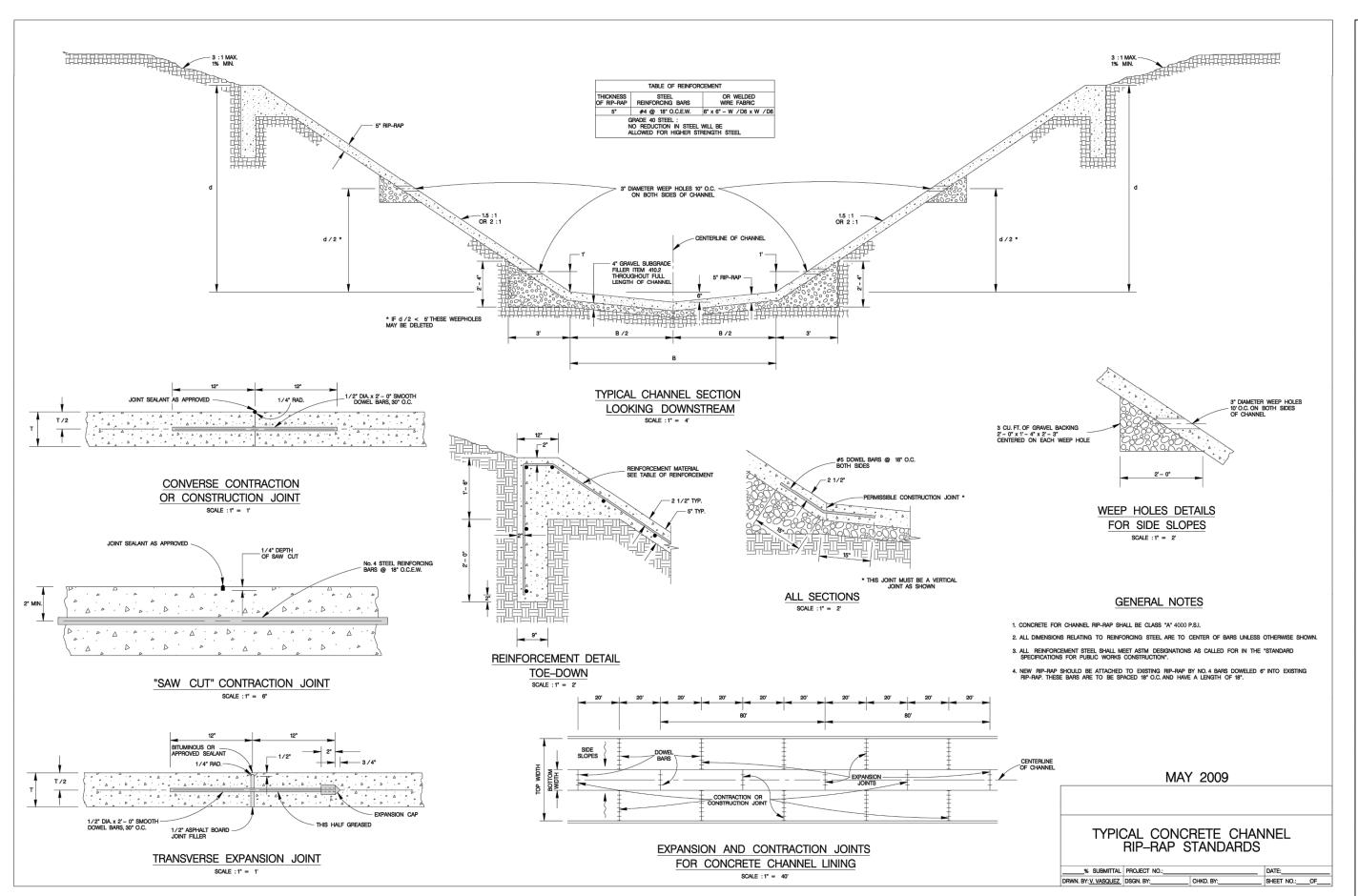
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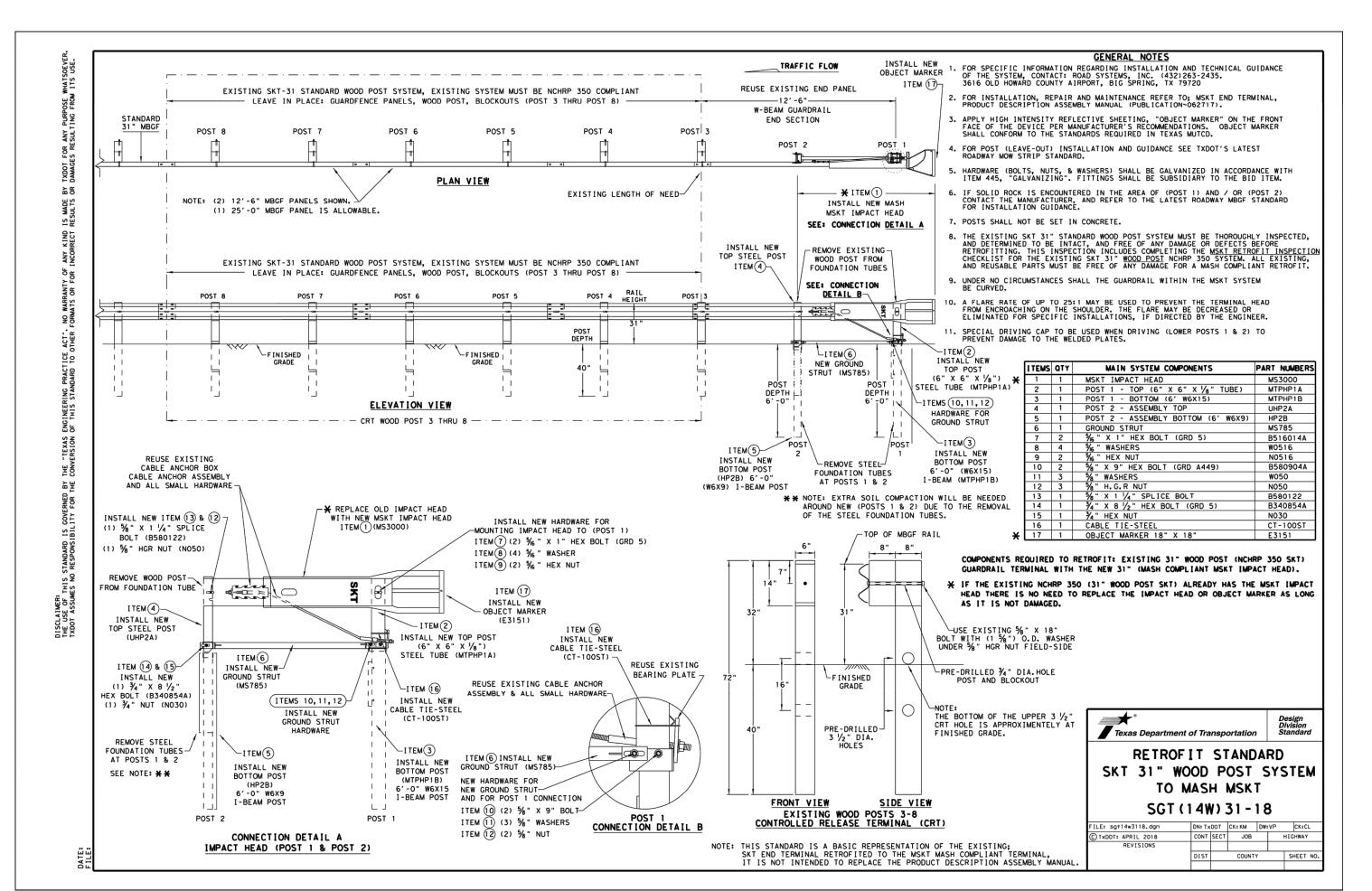


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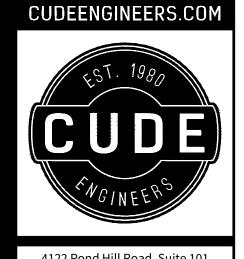








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OFFSITE ROVEMENTS

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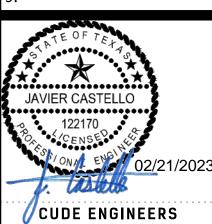
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DATE 02/20/2023 PROJECT NO. 03481.003

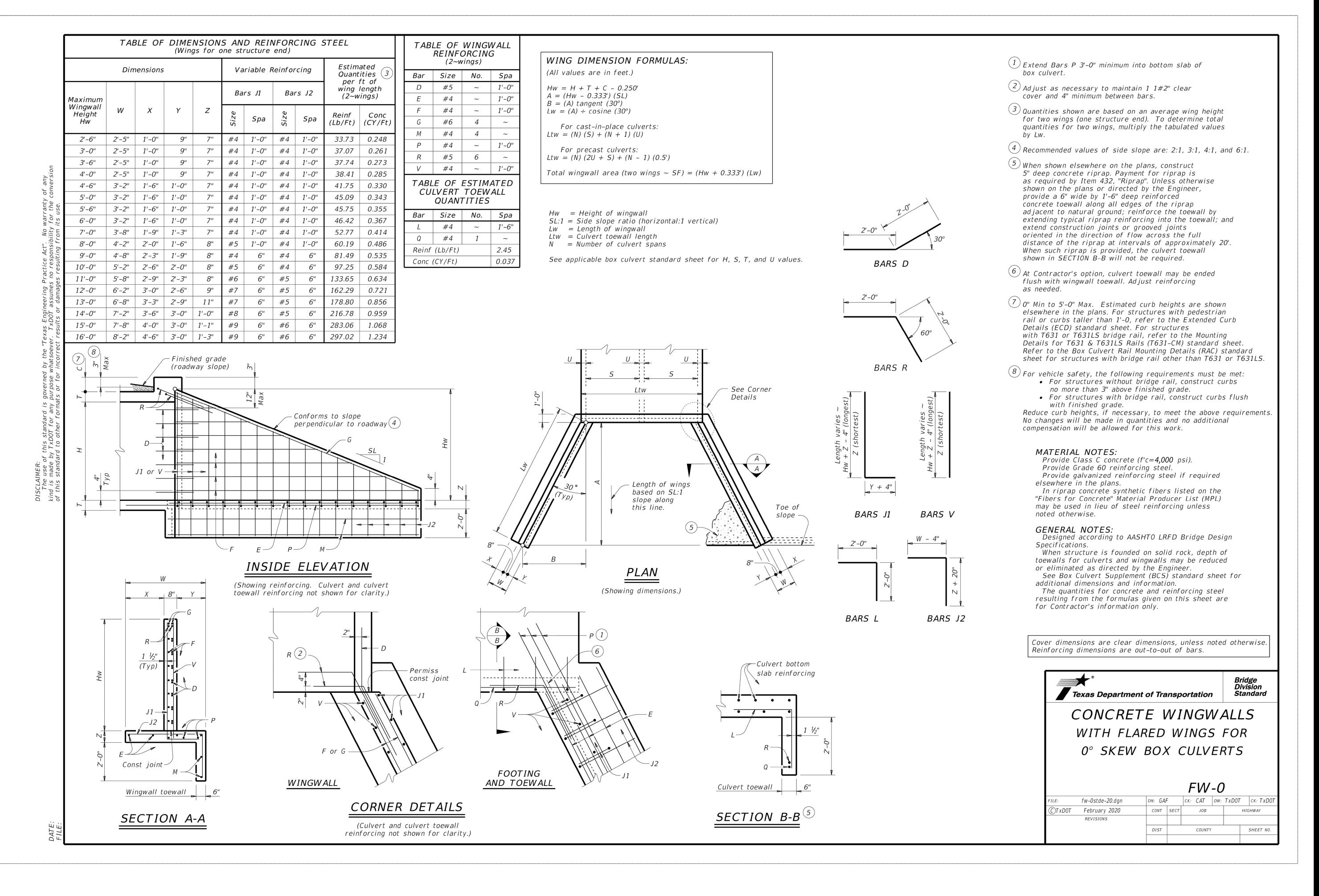
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REVISIONS 023-02-20 - REVISED COMPRESSIVE STRENGTH PE



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OFFSITE ROVEMENTS

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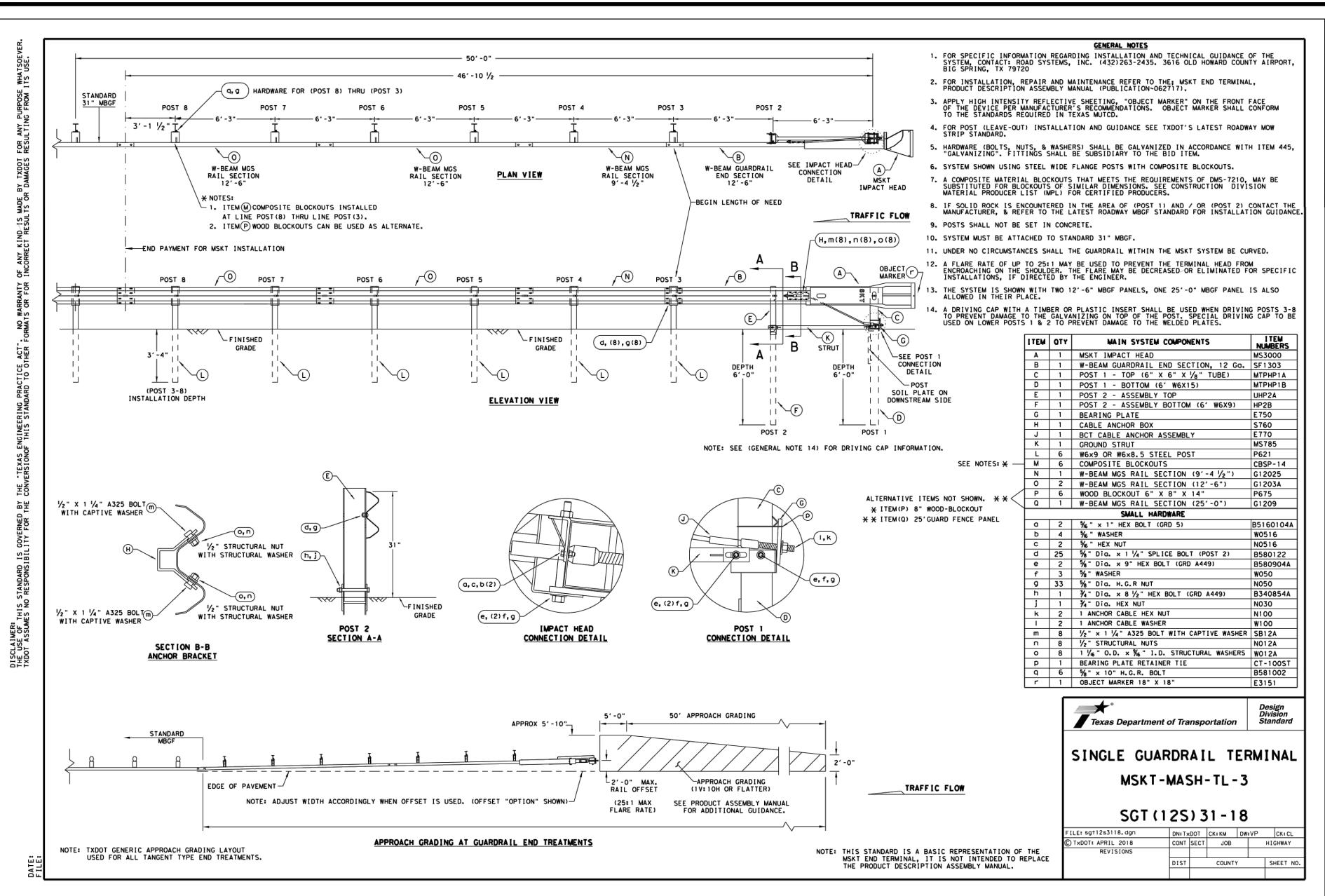
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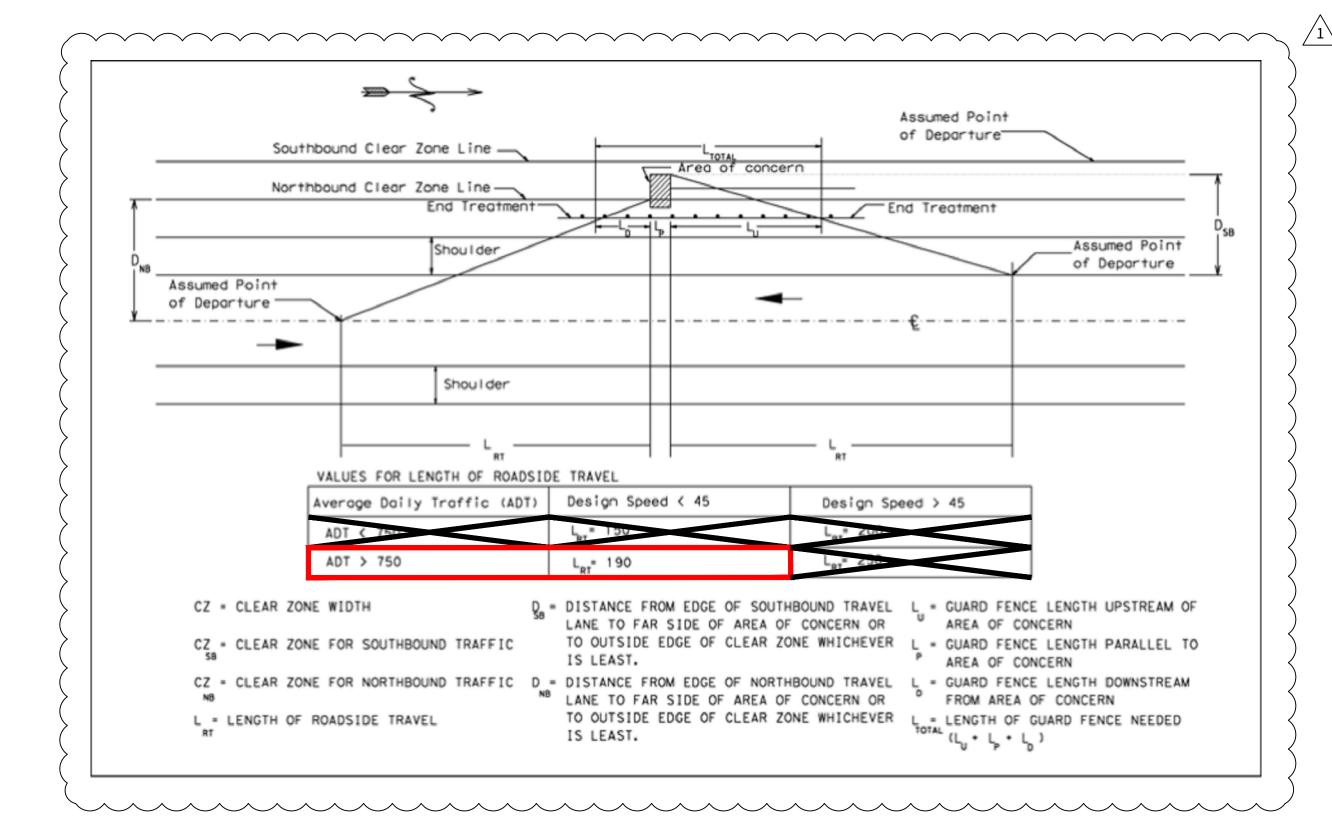
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XV/AL

REVISIONS

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NORTHBOUND MECE CALC	HATOR	
NORTHBOUND MBGF CALC	ULATOR	
	Du=	7.50 ft
	Gu=	6.00 ft
	Lu=	50.00 ft
ADT >750	Dd=	10.00 ft
	Gd=	16.00 ft
	Ld=	0.00 ft
	Lp=	40.00 ft
(MBGF TOTAL LENGTH	I) Ltotal=	90.00 ft
UPSTREAM - SINGLE GUARD TERMINAL SGT(1	12S)31-18	50.00 ft
DOWNSTREAM ANCHOR TERMINAL (GF (31) D	OAT-19) =	12.50 ft
(MBGF TOTAL LENGTH INCLUDING UPSTREAM AND DOWNSTREAM TREATMENTS		
TOTAL LENGTH TO THE NEAREST 25' IN	TERVAL =	162.50 ft
	·	
SOUTHBOUND MBGF CALCU	JLATOR	
	Du=	7.50 ft
	Gu=	6.00 ft
	Lu=	50.00 ft
ADT TEO		
ADT >750	Dd=	10.00 ft
AD I >750	Dd= Gd=	10.00 ft 16.00 ft
ADT >750		
ADT >750	Gd=	16.00 ft
ADT >750 (MBGF TOTAL LENGTH	Gd= Ld= Lp=	16.00 ft 0.00 ft
	Gd= Ld= Lp= I) Ltotal=	16.00 ft 0.00 ft 42.00 ft
(MBGF TOTAL LENGTH	Gd= Ld= Lp= I) Ltotal= I2S)31-18	16.00 ft 0.00 ft 42.00 ft 92.00 ft
(MBGF TOTAL LENGTH UPSTREAM - SINGLE GUARD TERMINAL SGT(1	Gd= Ld= Lp= I) Ltotal= I2S)31-18 DAT-19) =	16.00 ft 0.00 ft 42.00 ft 92.00 ft 50.00 ft

VALLERIE LANE NS
METAL BEAM GUARD FENCE
CALCULATIONS

NORTHBOUND MBG	F CALCULATOR		
	Du=	7.50 ft	
	Gu=	6.00 ft	
	Lu=	50.00 ft	
ADT >750	Dd=	10.00 ft	
	Gd=	16.00 ft	
	Ld=	0.00 ft	
	Lp=	40.00 ft	
(MBGF TOTAL	LENGTH) Ltotal=	90.00 ft	
UPSTREAM - SINGLE GUARD TERMINAL SGT(12S)31-18		50.00 ft	
DOWNSTREAM ANCHOR TERMINAL (C	GF (31) DAT-19) =	12.50 ft	
(MBGF TOTAL LENGTH INCLUDING UPSTREAM AND DOWNSTREAM TREA	TMENTS) Ltotal=	152.50 ft	
TOTAL LENGTH TO THE NEARES	ST 25' INTERVAL =	162.50 ft	
SOUTHBOUND MBG	CE CALCULATOR		
SOUTH BOOK IND	OF CALCULATUR		
	Du=	7.50 ft	
		7.50 ft 6.00 ft	
	Du=	No. of the Control of	
ADT >750	Du= Gu=	6.00 ft	
	Du= Gu= Lu=	6.00 ft 50.00 ft	
	Du= Gu= Lu= Dd=	6.00 ft 50.00 ft 10.00 ft	
	Du= Gu= Lu= Dd= Gd=	6.00 ft 50.00 ft 10.00 ft 30.00 ft	
ADT >750	Du= Gu= Lu= Dd= Gd= Ld=	6.00 ft 50.00 ft 10.00 ft 30.00 ft 0.00 ft	
ADT >750	Du= Gu= Lu= Dd= Gd= Ld= Ld= Lp= LENGTH) Ltotal=	6.00 ft 50.00 ft 10.00 ft 30.00 ft 0.00 ft 35.00 ft	
ADT >750 (MBGF TOTAL	Du= Gu= Lu= Dd= Gd= Ld= Ld= Lp= LENGTH) Ltotal= AL SGT(12S)31-18	6.00 ft 50.00 ft 10.00 ft 30.00 ft 0.00 ft 35.00 ft 85.00 ft	
ADT >750 (MBGF TOTAL UPSTREAM - SINGLE GUARD TERMIN	Du= Gu= Lu= Dd= Gd= Ld= Ld= Lp= LENGTH) Ltotal= AL SGT(12S)31-18 GF (31) DAT-19) =	6.00 ft 50.00 ft 10.00 ft 30.00 ft 0.00 ft 35.00 ft 85.00 ft 50.00 ft	

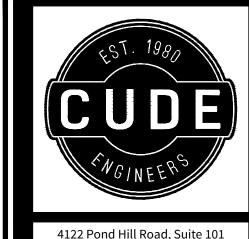
VALLERIE LANE EW METAL BEAM GUARD FENCE CALCULATIONS

Where:

- L_u = Length of guard fence needed (upstream of area of concern), ft
- L_d = Length of guard fence needed (downstream of area of concern), ft
- D_u = Distance from edge of travel lane to far side of area of concern or to outside edge of clear zone, whichever is least, ft (for upstream direction of traffic)
- D_d = Distance from edge of travel lane to far side of area of concern or to outside edge of clear zone, whichever is least, ft (for opposing direction of traffic)

REPRODUCTION OF THE ORIGINAL SIGNED AND SEALED PLAN AND/OR ELECTRONIC MEDIA MAY HAVE BEEN INADVERTENTLY ALTERED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SCALE OF THE DOCUMENT AND CONTACTING CUDE ENGINEERS TO VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION

- G_u = Guard fence offset from edge of travel lane adjacent to proposed guard fence, ft
- G_d = Guard fence offset from edge of opposing direction of travel lane (centerline)



CUDEENGINEERS.COM

4122 Pond Hill Road, Suite 101 San Antonio, Texas 78231 P:(210) 681.2951 F: (210) 523.7112

FARMS OFFSITE
ANE IMPROVEMENTS
1 GUARD FENCE DETAIL

DATE 02/20/2023

CORLE VALLERIE

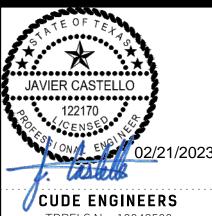
> PROJECT NO. 03481.003 DRAWN BY

CA/CG
CHECKED BY

XV/AL

REVISIONS
2023-02-20 - HIGHLIGHTED PROPOSED

3.
 4.
 6.
 7.
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 9.



TBPELS No. 10048500

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