

UTILITY ACCOMMODATION / ADJUSTMENT CHECKLIST

U No.: N/A	Utility ID: U0001397	9	District: San Antonio		
Utility Name: City of Seguin					
ROW CSJ No.: 0535-01-081	ROW CSJ No.: 0535-01-081 Date Agreement Received (in Distr		rict): Highway No: IH 10		
Const. CSJ No.: 0535-01-077	Hwy Construction Lettir	ng Date: 09/01/29		County: Guadalupe	
Project Limits (include station numbers): US 90A to FM 464 STA 1056+00 - 1205+00					
Limits of Utility Accommodation /Adjustme IH 10 CL 1145+74 to STA 1158+04	nt (include station numl	oers):			
Description of Utility Adjustment Work: The UO's existing 6" sanitary sewer force ma	ain conflicts with the hig	hway project. Utility pr	oposes	to replace with 12" for 215	54' LF.
LPA(s) (if applicable; if multiple LPAs, give % allocation to each, totaling 100%):					
Submission Type: SUP EIP LUP UJUA Other: (specify)					
(Check one:) 🔀 Actual Cost 🔲 L	ump Sum				
Total Adjustment Costs:		\$ 1,031,87	3.06		
Betterment (in dollars and calculated %):		\$ 116,808	03	11.32 %	
Recommended Eligibility Ratio (%):		\$ 915,065	03	100 %	
Estimated Amount of State Cost Participation:		\$ 915,065	03		
Estimated Amount of SP2125 Participation:		\$			
Estimated Date to Start Accommodation/Adjustment:		07/30/25	07/30/25		
Estimated Date to Complete Accommodation/Adjustment:		01/29/26	01/29/26		
Full Authority Date:					
Emergency Work Authorization Date (if applicable):					

Standard Utility Agreement Submittal- General

	nis agreement was assembled by: TxDOT Utility Coordinator XTxDOT Consultant
	I applicable forms submitted are complete, up-to-date, and unmodified? Yes No (Modified forms will require ROW Attorney's approval.)
	here necessary for a complete understanding, are there explanations, clarifications included in the transmittal? Yes \square No \square N/A
	gnatory authority vested in utility representative signing forms if other than officer level? \Box Yes \Box No \boxtimes N/A
	TINS form: ☐ Yes ☑ No fattach form to checklist.
Atta Plan	chment "A" - Plans, Specifications and Estimate s:
A1.1) Project or vicinity plat provided where needed to understand scope of proposed work? $oxtimes$ Yes $oxtimes$ No
A1.2) Is utility adjustment within ROW Project limits or DIRECTLY related to work required within ROW Project limits? \boxtimes Yes \square No
A1.3) Information on plans sufficient and adequate to:
	a) Determine necessity and justification of proposed work? ☑ Yes □ No
	b) Demonstrate Utility Accommodation Policy compliance? ☑ Yes ☐ No ☐ N/A
	c) Indicate highway stationing, offsets from centerline, edge of pavement and ROW lines? \square Yes \square No
	d) Provide any other necessary or essential information such as pressure, flow, offset, type, condition, wall thickness, specifications, etc.? ⊠ Yes □ No

Estimate:

A2.1) Is the estimate properly and adequately itemized and detailed? ☐ Yes ☐ No
A2.2) Have materials subject to Buy America compliance been identified in the cost estimate? ☑ Yes ☐ No
A2.3) Have ineligible costs been identified? (Utility Manual, Ch. 7, Sec. 2) ☐ Yes ☑ No
A2.4) Replacement easement charges justified and supported? ☐ Yes ☐ No ☒ N/A
A2.5) Estimate compared and reconciled to plans and statement of work in agreement? Yes No
A2.6) Betterment credit applicable? (if so, see Attachment "G") ⊠ Yes □ No
If yes, is credit calculated and applied properly? ⊠ Yes □ No
A2.7) Accrued Depreciation credit applicable? ☐ Yes ☐ No
If yes, is credit calculated and applied properly? ☐ Yes ☐ No
A2.8) Salvage credit applicable? ☐ Yes ☐ No
If yes, is credit applied properly? ☐ Yes ☐ No
A2.9) Overheads and loadings explained and checked for reasonableness? Yes No N/A
A2.10) Estimate extensions checked? ⊠ Yes □ No
A2.11) Utility consultant engineering contract reviewed and approved by District (if applicable, a fee schedule is required)? Yes No N/A
Attachment "B" - Utility's Accounting Method
B1) Acceptable accounting method (Actual cost or Lump Sum) indicated?
⊠ Yes □ No

Attachment "	C" - Utility'	s Schedule of Work and Est	mated Date of Completion
C1) Schedule o	of work prov	vided by utility company?	
	□No	☐ In Highway Contract	
C2) Includes St	tart Date of	Adjustment (Physical Adjustr	nent or Relocation):
⊠ Yes	□No		
Attachment "	D" - Stater	nent covering Contract Wo	k - ROW-U-48
D1) Statement	Covering C	Contract Work included?	
⊠Yes	□No	□ N/A	
Attachment "	E" - Utility	Joint Use Agreement	
E1) Utility Join	t Use Agree	ment included?	
☐ Yes (Th	e UJUA is in	icluded.) 🗌 No 🔀 N	/A
	The plans	showing the area of joint use	is provided.
E2) Permit incl	uded?		
☐ Yes	⊠ No	□ N/A	
Attachment "	F" - Eligibil	ity Ratio	
F1) Eligibility r	atio calcula [.]	ted and recommended?	
Yes	□No		
Attachment "	G" - Better	ment Calculation and Estim	ates
G1) Bettermen	it and In-Kir	nd estimates included?	
⊠Yes	□No	□ N/A	
G2) Bettermen	it credit app	lied properly?	
⊠Yes	□No	□ N/A	
Attachment "	H" - Proof	of Property Interest - ROW-U	J-Affidavit
H1) Proof of pr	operty or co	ompensable interest ownersh	ip by utility established where applicable?
☐ Yes	⊠No		
H2) Corporate	succession	documented for property int	erest "chain of ownership"?
☐ Yes	□No	⊠ N/A	
H3) Quitclaim	required?		
☐ Yes	□No	⊠ N/A	
TxDOT			_
Coordinator I	Name:		Date:



Standard Utility Agreement

Form ROW-U-35 (Rev. 03/24) Page 1

U Number: Utility ID: U00013979

District: San Antonio County: Guadalupe ROW Project ID (TxC): R00011308 Highway: IH-10 ROW CSJ: 0535-01-081 From: US 90A

Construction CSJ: 0535-01-077

Highway Project Letting Date: 9/1/2029 To: FM 464

This Agreement by and between the State of Texas, acting by and through the Texas Transportation Commission, ("State"), and City of Seguin, ("Utility"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **State**.

WHEREAS, the State has deemed it necessary to make certain highway improvements as designated by the State and approved by the Federal Highway Administration within the limits of the highway as indicated above (the "Highway Project");

WHEREAS, the proposed Highway Project will necessitate the adjustment, removal, and/or relocation of certain facilities of the **Utility** as indicated in the following statement of work: From IH 10 STA: 1145+74 to STA: 1158+04, the Utility's existing six-inch sanitary sewer force main conflicts with the Highway Project. The Utility proposes to install approximately 2,154 linear feet of 12-inch diameter sanitary sewer force main along with necessary appurtenances and casing. This work includes an approximate 798 linear feet bore underneath the Guadalupe River via horizontal directional drill (HDD). Betterment is included in this project. The Utility will remove 1668 If of six-inch sanitary sewer force main and abandon 68 If as designated on plans; and more specifically as shown in the **Utility's** plans, specifications and estimated costs, which are attached hereto as Attachment "A".

WHEREAS, the **State** will participate in the costs of the adjustment, removal, and relocation of certain facilities to the extent as may be eligible for State and/or Federal participation.

WHEREAS, the State, upon receipt of evidence it deems sufficient, acknowledges the Utility's interest in certain lands and facilities that entitle it to reimbursement for the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.

NOW, THEREFORE, BE IT AGREED:

The **State** will pay to the **Utility** the costs incurred in adjustment, removal, and relocation of the **Utility's** facilities up to the amount said costs may be eligible for **State** participation.

All conduct under this agreement, including but not limited to the adjustment, removal, and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with all applicable federal and state laws, rules and regulations, including, without limitation, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act, 42 U.S.C. §§ 4601, et seq., the National Environmental Policy Act, 42 U.S.C. §§ 4321, et seq., the Buy America provisions of 23 U.S.C. § 313 and 23 CFR 635.410, as amended, Texas Transportation Code § 223.045, the Utility Relocations, Adjustments, and Reimbursements provisions of 23 CFR 645, Subpart A, and the Utility Accommodation provisions of 23 CFR 645, Subpart B.

The **Utility** shall supply, upon request by the **State**, proof of compliance with the aforementioned laws, rules, regulations, and guidelines prior to the commencement of the adjustment, removal, and relocation of the facility.

Initial	Date	Initial	Date
Т	xDOT	Util	ity

The Utility shall not commence any physical work, including without limitation site preparation, on the State's right of way or future right of way, until TxDOT provides the Utility with written authorization to proceed with the physical work upon TxDOT's completion and clearance of its environmental review of the Highway Project. Any such work by the Utility prior to TxDOT's written authorization to proceed will not be eligible for reimbursement and the Utility is responsible for entering any property within the proposed limits of the Highway Project that has not yet been acquired by TxDOT. This written authorization to proceed with the physical work is in addition to the authorization to commence work outlined below. Notwithstanding the foregoing, the provisions of this paragraph are required only when TxDOT has not obtained completion and clearance of its environmental review of the Highway Project prior to the execution of this Agreement by the State and the Utility.

The **Utility** shall comply with the Buy America provisions of 23 U.S.C. § 313, 23 CFR 635.410, as amended, and the Steel and Iron Preference provisions of Texas Transportation Code § 223.045 and, when products that are composed predominately of steel and/or iron are incorporated into the permanent installation of the utility facility, use domestically manufactured products. TxDOT Form 1818 (Material Statement), along with all required attachments, must be submitted, prior to the commencement of the adjustment, removal, and relocation of the facility, as evidence of compliance with the aforementioned provisions. Failure to submit the required documentation or to comply with the Buy America, and Steel and Iron Preference requirements shall result in: (1) the **Utility** becoming ineligible to receive any contract or subcontract made with funds authorized under the Intermodal Surface Transportation Efficiency Act of 1991; (2) the **State** withholding reimbursement for the costs incurred by the **Utility** in the adjustment, removal, and relocation of the **Utility's** facilities; and (3) removal and replacement of the noncompliant products.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by the **State**, or may, with the **State**'s approval, accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by the **Utility**. Bills for work hereunder are to be submitted to the **State** not later than one (1) year after completion of the work. Failure to submit the request for final payment, in addition to all supporting documentation, within one (1) year after completion of the work may result in forfeiture of payment for said work.

When requested, the **State** will make intermediate payments at not less than monthly intervals to the **Utility** when properly billed. Such payments will not exceed 90 percent (90%) of the eligible cost as shown in each such billing. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

The **State** will, upon satisfactory completion of the adjustment, removal, and/or relocation and upon receipt of final billing prepared in an approved form and manner and accounting for any intermediate payments, make payment in the amount of 90 percent (90%) of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for **State** reimbursement.

Alternatively, if the approved accounting method is a lump sum, the **State** agrees to pay the **Utility** an agreed lump sum of \$N/A as supported by the attached estimated costs. The **State** will, upon satisfactory completion of the adjustments, removals, and relocations and upon receipt of a final billing, make payment to the **Utility** in the agreed amount.

Upon execution of this agreement by both parties hereto, the **State** will, by written notice, authorize the **Utility** to perform such work diligently and to conclude said adjustment, removal, and relocation by the stated completion date which is attached hereto in Attachment "C". The completion date shall be extended for delays caused by events outside the **Utility's** control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the **State** or any other party with the **Utility's** ability to proceed with the work, or any other event in which the **Utility** has exercised all due care in the prevention thereof so that the causes of other events are beyond the control and without the fault or negligence of the **Utility**.

Initial	Date	Initial	Date
	TxDOT	Utilit	.y

This agreement in its entirety consists of the following elements:

Standard Utility Agreement - ROW-U-35;

- Plans, Specifications, and Estimated Costs (Attachment "A");
- Accounting Method (Attachment "B");
- Schedule of Work (Attachment "C");
- Statement Covering Contract Work ROW-U-48 (Attachment "D");
- Utility Joint Use Agreement ROW-U-JUA and/or Utility Installation Request Form 1082 (Attachment "E"):
- Eligibility Ratio (Attachment "F");
- · Betterment Calculation and Estimate (Attachment "G"); and
- Proof of Property Interest ROW-U-Affidavit (Attachment "H").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the **State** and the **Utility**.

This agreement is subject to cancellation by the **State** at any time up to the date that work under this agreement has been authorized, and such cancellation will not create any liability on the part of the **State**. However, the **State** will review and reimburse the **Utility** for eligible costs incurred by the **Utility** in preparation of this Agreement.

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

The **Utility** by execution of this agreement does not waive any of the rights that the **Utility** may have within the limits of the law.

It is expressly understood that the **Utility** conducts the adjustment, removal, and relocation at its own risk, and that the **State** makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

Initial	Date	Initial	Date
	TxDOT	Utili	ity

Form ROW-U-35 (Rev. 03/24)

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

UTILIT	Y	EXECUTION RECOMMENDED:
Utility:	City of Seguin Name of Utility	Director of TP&D (or designee), San Antonio District
Ву:	Authorized Signature	
	Steve Parker Print or Type Name	THE STATE OF TEXAS Executed and approved for the Texas Transportation Commission for the purpose
Title:	City Manager	and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.
Date:		By: District Engineer (or designee)
		Date:

Initial	Date	Initial	Date
	TxDOT	Util	ity

Attachment "A" Plans, Specifications, and Estimated Costs

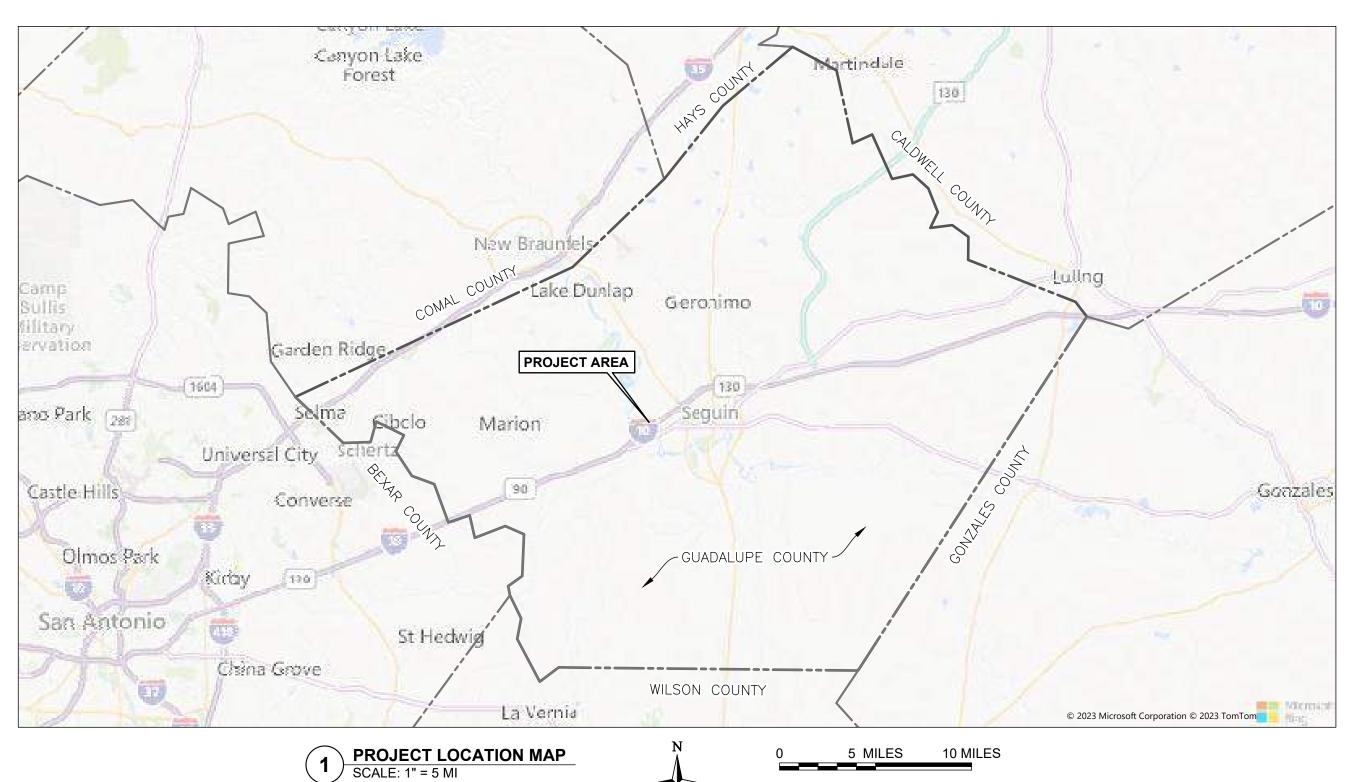
All material items within the cost estimate that must meet Buy America or Steel and Iron Preference Provision requirements must be indicated with an asterisk (*).
 Currently, this project does not plan to use iron and steel subject to Buy America requirements. In the event that Buy America compliant materials are used during construction on this project, compliance documentation will be provided.
 There are non-domestic iron and steel materials in this project that fall under the De Minimus equation. Calculation showing the total cost does not exceed one-tenth of one percent (0.1 %) of the individual utility agreement amount or \$2,500.00, whichever is greater is required.
 We understand the Buy America Compliance Requirements for iron and steel and will supply the required documentation to TxDOT indicating compliance with this provision. The following documents will be supplied prior to installation of the materials:

- 1) Form 1818 Material Statement
- 2) Material Test Reports or Certifications

Initial	Date	Initial	Date
	TxDOT	Utilit	.y

CITY OF SEGUIN IH-10 FORCE MAIN RE-ALIGNMENT

CSJ: 0535-01-077 U00012979 GUADALUPE COUNTY, TEXAS **MAY 2025**







MAYOR DONNA DODGEN

CITY MANAGER STEVE PARKER

DEPUTY CITY MANAGER RICK CORTES

DIRECTOR OF WATER/WASTEWATER UTILITIES

DIRECTOR OF ENGINEERING AND CAPITAL PROJECTS MELISSA REYNOLDS, P.E., MPA, CFM



CITY COUNCIL

JOE REA	DISTRICT 1
SONIA MENDEZ	DISTRICT 2
JIM LIEVENS	DISTRICT 3
CHRIS RANGEL	DISTRICT 4
PAUL GAYTAN	DISTRICT 5
MONICA CARTER	DISTRICT 6
JASON BIESENBACH	DISTRICT 7
BILL KELLER	DISTRICT 8



It's real.

- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER OF RECORD. IN ACCEPTING THESE PLANS, THE CITY OF SEGUIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE ENGINEER
- IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWO-YEARS OF CITY

APPROVAL FOR CONSTRUCTION, THAT APPROVAL IS NO LONGER VALID.

- GAS UTILITIES ARE NOT INCLUDED IN THE CIVIL CONSTRUCTION PLANS. FINAL GAS UTILITY DESIGN SHALL BE APPROVED BY THE CITY FOR ANY WORK WITHIN PUBLIC RIGHT-OF-WAY.
- A PORTION OF THIS PROJECT LIES WITHIN THE FEMA FLOOD HAZARD AREAS AE, X AND IS LOCATED ON FIRM PANEL 48187C0260F EFFECTIVE NOV. 2,

PRELIMINARY FOR REVIEW ONLY

THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES. THEY WERE PREPARED BY, OR UNDER THE SUPERVISION OF:

TYPE OR PRINT NAME

05/02/2025
DATE

ITEM	DESCRIPTION	UNIT	QUANTIT
1	BONDING, MOBILIZATION, AND INSURANCE	LS	1
2	ENVIRONMENTAL PROTECTION/ STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	LS	1
3	SITE PREPARATION	LS	1
4	BARRICADES, SIGNS, AND TRAFFIC HANDLING	LS	1
5	TRENCH AND EXCAVATION SAFETY PROTECTION	LF	10,079
6	PRESSURE TEST FORCE MAIN	LS	1
7	12-INCH DR11 HDPE PIPE	LF	6,005
8	12-INCH DR11 HDPE BY HORIZONTAL DIRECTIONAL DRILL	LF	1,044
9	24-INCH STEEL CASING BY OPEN CUT*	LF	218
10	CONNECT TO EXISTING LIFT STATION	EA	1
11	CONNECT TO EXISTING MANHOLE	EA	1
12	TWO WAY CLEAN OUT ASSEMBLY WITH 2-INCH COMBINATION AIR/VACUUM RELEASE VALVE	EA	1
13	2-INCH COMBINATION AIR/VACUUM RELEASE VALVE ASSEMBLY*	EA	2
14	INSTALL 12-INCH PLUG VALVE*	EA	2
15	BYPASS PUMPING	LS	1
16	REMOVAL OF EXISITING 6-INCH FORCE MAIN	LF	4,786
17	REMOVAL OF EXISITING 6-INCH FORCE MAIN FROM BRIDGE	LF	1,247
18	ABANDON AND GROUT FILL EXISTING 6-INCH MAIN	LF	794
19	REMOVE EXISTING FORCE MAIN MANHOLE	EA	2
20	CUT, CAP, AND ABANDON EXISTING 6-INCH FORCE MAIN	LS	1
21	REPAIR FENCE	LF	20
22	REPAIR ASPHALT PAVEMENT	SY	143
23	REPAIR ASPHALT DRIVEWAY	SY	192
24	REPAIR CONCRETE DRIVEWAY	SY	32
25	REPAIR GRAVEL DRIVEWAY	SY	379
26	REVEGETATION	AC	2.88

TOTAL ESTIMATED QUANTITIES

INDEX OF SHEETS							
SHEET NUMBER	SHEET TITLE	REVISION					
1	PROJECT LOCATION AND INDEX OF SHEETS	А					
2	EXPLANATION AND NOTES (1 OF 2)	А					
3	EXPLANATION AND NOTES (2 OF 2)	Α					
4	PROJECT MAP	Α					
5	PLAN AND PROFILE (STA. 0+00 TO STA. 5+00)	Α					
6	PLAN AND PROFILE (STA. 5+00 TO STA. 10+00)	Α					
7	PLAN AND PROFILE (STA. 10+00 TO STA. 15+00)	Α					
8	PLAN AND PROFILE (STA. 15+00 TO STA. 20+00)	Α					
9	PLAN AND PROFILE (STA. 20+00 TO STA. 25+00)	Α					
10	PLAN AND PROFILE (STA. 25+00 TO STA. 30+00)	Α					
11	PLAN AND PROFILE (STA. 30+00 TO STA. 35+00)	Α					
12	PLAN AND PROFILE (STA. 35+00 TO STA. 40+00)	Α					
13	PLAN AND PROFILE (STA. 40+00 TO STA. 45+00)	Α					
14	PLAN AND PROFILE (STA. 45+00 TO STA. 50+00)	Α					
15	PLAN AND PROFILE (STA. 50+00 TO STA. 55+00)	Α					
16	PLAN AND PROFILE (STA. 55+00 TO STA. 60+00)	Α					
17	PLAN AND PROFILE (STA. 60+00 TO STA. 65+00)	A					
18	PLAN AND PROFILE (STA. 65+00 TO STA. 70+20)	Α					
19	DEMOLITION PLAN (SHEET 1 OF 5)	Α					
20	DEMOLITION PLAN (SHEET 2 OF 5)	Α					
21	DEMOLITION PLAN (SHEET 3 OF 5)	Α					
22	DEMOLITION PLAN (SHEET 4 OF 5)	Α					
23	DEMOLITION PLAN (SHEET 5 OF 5)	А					
24	GENERAL DETAILS (1 OF 2)	Α					
25	GENERAL DETAILS (2 OF 2)	Α					
26	SWPPP DETAILS	Α					
27	TXDOT DETAILS	Α					
28	CROSS SECTION DETAILS	Α					

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						오	BY CHK'D		
						Σ	ВУ		
						/02/2025 TXDOT SUBMITTAL	DESCRIPTION	REVISIONS	
						05/02/2025	DATE		
						∢	REV.		
PRELIMINARY FOR REVIEW ONLY THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES. THEY WERE PREPARED BY, OR UNDER THE SUPPENISION OF: HERRY L. CRIPPEN TYPE OR PRINT NAME 141188 5/2/2025 P.E. NO. DATE									
DRAWN BY: JM	DESIGNED BY: MM	CHECKED BY: HC		SCALE: AS SHOWIN	DATE: 05/00/5	UAIE. U3/UZ/ZUZ3	PR. NO: 81P-002-001	FILE: 81P-LFM-TITLE_TXDOTEXP	
			CORPORATION	Texas Engineering Firm F-131	Texas Survey Firm 10194320			i (F) 830/626.3544 (P) 512/442.3008 (F) 512/448.7811 www.trihydro.com	

PROJECT I

SHEET

EXISTING

-⊙-	UTILITY POLE	RDW	RIGHT-OF-WAY	UE	UNDERGROUND ELECTRICAL LINE
•	GUY ANCHOR	ESMT	EASEMENT		FORCE MAIN
*	LUMINAIRE POLE	CE	CONSTRUCTION EASEMENT	тът	STORM PIPE
S	SEWER MANHOLE	XX	FENCE	ww	WATER LINE
	UTILITY VAULT		PROPERTY LINE	UGTV	UNDERGROUND CABLE/TELEVISION LINE
0	SIGN	DE	OVERHEAD ELECTRICAL LINE	UTE	UNDERGROUND TELEPHONE LIN

FIBER OPTIC LINE

EXISTING GUARDRAIL

OVERHEAD CABLE TELEVISION LINE NATURAL GAS LINE NATURAL GAS VALVE 100 YEAR FLOODPLAIN

PROPOSED FORCE MAIN STRUCTURE PROPOSED FORCE MAIN

ABANDON FORCE MAIN ////M//// XXXXXXXX REMOVE FORCE MAIN ROADWAY (BY OTHERS) STEEL CASING

DITCH FLOW LINE (BY OTHERS) PROPOSED UNDERGROUND TELEPHONE (BY OTHERS) PROPOSED FIBER OPTIC (BY OTHERS) UNDERGROUND ELECTRIC (BY OTHERS) (BY OTHERS)

PROPOSED

ILLUMINATION STRUCTURES (BY OTHERS) PROPOSED DRAINAGE FEATURE (BY OTHERS) PROPOSED STORM LINE (BY OTHERS) PROPOSED SIGNS (BY OTHERS) PROPOSED CULVERT (BY OTHERS) PROPOSED STREET LIGHT (BY OTHERS)

ABBREVIATIONS

ISI	AMERICAN NATIONAL STANDARD INSTITUTE	DR	DIMENSION RATIO	GPS	GLOBAL POSITIONING SYSTEM
TM	AMERICAN SOCIETY OF TESTING AND MATERIALS	Е	EAST	GIS	GEOGRAPHIC INFORMATION SYSTE
WA	AMERICAN WATER WORKS ASSOCIATION	ELEC.	ELECTRIC	HDD	HORIZONTAL DIRECTIONAL DRILL
/E	AVENUE	EXP.	EXPANSION	HDPE	HIGH DENSITY POLYETHYLENE
:L	CENTERLINE	FM	FARM TO MARKET	LN	LANE
Ø	DIAMETER	FT.	FOOT/FEET	LF	LINEAR FEET
)I	DUCTILE IRON	GA.	GAUGE	MJ	MECHANICAL JOINT
				NO	NUMBER

NSF	NATIONAL SANITATION FOUNDATION
N	NORTH
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PSI	POUNDS PER SQUARE INCH

STORM WATER POLLUTION PREVENTION PLAN

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TEXAS ADMINISTRATIVE CODE

(XDO) AIBMITTAL

TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

TYP. TYPICAL

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY LIFT STATION AND FORCE MAIN GENERAL CONSTRUCTION NOTES

- 1. THIS LIFT STATION AND/OR FORCE MAIN MUST BE CONSTRUCTED IN ACCORDANCE WITH 30 TEXAS ADMINISTRATIVE CODE (TAC) §213.5(c), THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) EDWARDS AQUIFER RULES, AND ANY LOCAL GOVERNMENT STANDARD SPECIFICATION.
- 2. ANY MODIFICATION TO THE ACTIVITIES DESCRIBED IN THE REFERENCED LIFT STATION/FORCE MAIN (LSFM) SYSTEM APPLICATION FOLLOWING THE DATE OF APPROVAL MAY REQUIRE THE SUBMITTAL OF A LSFM SYSTEM APPLICATION TO MODIFY THIS APPROVAL, INCLUDING THE PAYMENT OF APPROPRIATE FEES AND ALL INFORMATION NECESSARY FOR ITS REVIEW AND
- 3. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE PRESIDING TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
 - THE NAME OF THE APPROVED PROJECT;
 - THE ACTIVITY START DATE; AND
 - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR
- 4. UPON COMPLETION OF ANY LIFT STATION EXCAVATION. A GEOLOGIST MUST CERTIFY THAT THE EXCAVATION HAS BEEN INSPECTED FOR THE PRESENCE OF SENSITIVE FEATURES. THE CERTIFICATION MUST BE SIGNED, SEALED, AND DATED BY THE GEOLOGIST PREPARING THE CERTIFICATION. CERTIFICATION THAT THE EXCAVATION HAS BEEN INSPECTED MUST BE SUBMITTED TO THE APPROPRIATE REGIONAL OFFICE.
 - IF SENSITIVE FEATURE(S) ARE IDENTIFIED, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY AND MAY NOT PROCEED UNTIL THE EXECUTIVE DIRECTOR HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIAL ADVERSE IMPACTS TO WATER QUALITY FORM THE LIFT STATION.
 - CONSTRUCTION MAY CONTINUE IF THE GEOLOGIST CERTIFIES THAT NO SENSITIVE FEATURE OR FEATURES WERE PRESENT.
- 5. IF ANY SENSITIVE FEATURES ARE DISCOVERED DURING THE WASTEWATER LINE TRENCHING ACTIVITIES, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPLICANT MUST IMMEDIATELY NOTIFY THE APPROPRIATE REGIONAL OFFICE OF THE TCEQ OF THE FEATURE DISCOVERY. A GEMOLOGISTS ASSESSMENT OF THE LOCATION AND EXTENT OF THE FEATURE DISCOVERED MUST BE REPORTED TO THAT REGIONAL OFFICE IN WRITING WITHIN TWO WORKING DAYS. THE APPLICANT MUST SUBMIT A PLAN FOR ENSURING THE STRUCTURAL INTEGRITY OF THE SEWER LINE OR FOR MODIFYING THE PROPOSED COLLECTION SYSTEM ALIGNMENT AROUND THE FEATURE. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE EXECUTIVE DIRECTOR HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM ANY POTENTIAL ADVERSE IMPACT TO WATER QUALITY WHILE MAINTAINING THE STRUCTURAL INTEGRITY OF THE LINE.
- 6. ALL FORCE MAIN LINES MUST BE TESTED IN ACCORDANCE WITH 30 TAC §217.68. TESTING METHOD WILL BE:
 - A PRESSURE TEST MUST USE 50 POUNDS PER SQUARE INCH ABOVE THE NORMAL OPERATING PRESSURE OF A FORCE MAIN.
 - A TEMPORARY VALVE FOR PRESSURE TESTING MAY BE INSTALLED NEAR THE DISCHARGE POINT OF A FORCE MAIN AND REMOVED AFTER A TEST IS SUCCESSFULLY COMPLETED.
 - A PUMP ISOLATION VALVE MAY BE USED AS AN OPPOSITE TERMINATION POINT.
 - A TEST MUST INVOLVE FILLING A FORCE MAIN WITH WATER.
 - A PIPE MUST HOLD THE DESIGNATED TEST PRESSURE FOR A MINIIMUM OF 4.0 HOURS.
- THE LEAKAGE RATE MUST NOT EXCEED 10.0 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY.

AUSTIN REGIONAL OFFICE 12100 PARK 35 CIRCLE, BUILDING A AUSTIN, TEXAS 78753-1808 PHONE (512) 339-2929 FAX (512) 339-3795

SAN ANTONIO REGIONAL OFFICE 14250 JUDSON ROAD SAN ANTONIO, TEXAS 78233-4480 PHONE (210) 490-3096 FAX (210) 545-4329

TXDOT GENERAL NOTES

- 1. LIMITS OF TEMPORARY STAGING, STORAGE AND SPOIL AREAS SHALL BE LOCATED WITHIN APPROVED SITES ALONG THE CONSTRUCTION. THE LOCATION OF THESE SITES SHALL MOVE PERIODICALLY IN ORDER TO FOLLOW THE CONSTRUCTION ROUTE. EROSION/SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE AT EACH SITE. EACH SITE IS SUBJECT TO APPROVAL BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
- VEHICLES UTILIZED FOR CONSTRUCTION SHALL BE INSPECTED FOR TRACKING CONTROL. IF NECESSARY WHEELS SHALL BE MANUALLY SCRAPED OR WASHED (IF WATER IS AVAILABLE) BEFORE DRIVING ON ANY ROADWAY.
- 3. CONTRACTOR SHALL PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES TO REDUCE ON AND OFF-SITE HEALTH HAZARDS.
- 4. FIELD REVISIONS TO THE EROSION/SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENGINEER OR THE OWNER'S REPRESENTATIVE DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
- 5. NO MORE THAN 2,000 FEET OF CONSTRUCTION ZONE SHALL BE OPEN AT ANY ONE TIME WITH CLEAN-UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS AS WORK PROGRESSES.
- 6. A PRE-CONSTRUCTION MEETING SHALL BE HELD BEFORE CONSTRUCTION BEGINS
- 7. CONTRACTOR SHALL LOCATE ROCK BERMS DOWN STREAM OF ALL WATERWAY CROSSINGS.
- ALL AREAS WITHIN THE PUBLIC RIGHT-OF-WAY EXPOSED DURING CONSTRUCTION SHALL BE REVEGETATED AS DIRECTED BY THE ENGINEER. REVEGETATION OF ALL EXPOSED AREAS SHALL CONSIST OF SODDING, SEEDING OR HYDROSEEDING, AT CONTRACTOR'S
- 9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRICAL SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AND TEXAS STATE LAW (VERNON'S ANNOTATED TEXAS STATUES, ARTICLE 1436 (c)) PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD ELECTRICAL LINES AND EQUIPMENT. ALL COST INCURRED BECAUSE OF FAILING TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE CONTRACTOR.
- 10. ANY EXISTING PAVEMENT, CURBS, SIDEWALKS, OR DRAINAGE STRUCTURES WITHIN PUBLIC RIGHT-OF-WAY WHICH ARE DAMAGED, REMOVED, OR SILTED, WILL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE BEFORE APPROVAL OF THE CONSTRUCTION.
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF EACH EROSION/SEDIMENTATION CONTROL DEVICES/SCHEME BEING USED ON THE PROJECT, AND PROVIDE ADDITIONAL SILT FENCE FOR ANY OFF-SITE DISCHARGES OF SILTED WATER FROM EXCAVATIONS.
- 12. ROAD DITCH SHALL BE GRADED EVENLY BETWEEN EXISTING CULVERTS. ALL CULVERTS SHALL BE CLEAN AND FREE OF DEBRIS DURING AND AFTER CONSTRUCTION.

CONSTRUCTION SPECIFICATIONS OF THE PROJECT MANUAL.

- 13. EXISTING VALVES AND METERS SHALL BE ADJUSTED TO PROPOSED GRADE ACCORDING TO CONSTRUCTION SPECIFICATIONS OF THE PROJECT MANUAL.
- 14. ALL AREAS WHERE PROPOSED FORCE MAIN IS TO BE CONSTRUCTED WITHIN 10 FEET OF EDGE OF PAVEMENT SHALL BE BACKFILLED WITH FLOWABLE FILL. 15. ANY DAMAGE TO EXISTING CONCRETE STRUCTURES MUST BE REPAIRED ACCORDING TO
- 16. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP AND PROPERLY DISPOSING ALL SPILLED POLLUTANTS, INCLUDING OIL, PAINT, FUELS, ANTIFREEZE, SOLVENTS, ETC. CONTRACTOR SHALL KEEP ACCURATE RECORDS (SUCH AS RECEIPTS, COPIES OF ANALYTICAL RESULTS, ETC.) INDICATING PROPER DISPOSAL OF SPILLED MATERIALS. FURTHERMORE, CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL DISCHARGES FROM THE CONSTRUCTION AREA ARE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS. NO SUBSTANCE SHALL BE DUMPED OR LEAKED ONTO THE GROUND OR ALLOWED TO RUNOFF FROM THE CONSTRUCTION SITE THAT MIGHT CAUSE POLLUTION.
- 17. EQUIPMENT SHALL BE CLEANED IN A MANNER THAT DOES NOT CREATE ANY DISCHARGE OF CLEANING AGENTS, PAINT, OIL OR OTHER POLLUTANTS TO A STORM SEWER OR WATERWAY.
- 18. ANY TRASH OR DEBRIS MUST BE CONTAINED ON SITE AND DISPOSED IN A MANNER TO PREVENT WIND OR RAIN FROM CARRYING IT OFF-SITE INTO A STORM DRAIN OR

PROJECT LOCATION NOTES

1. BEGIN PROJECT:

LATITUDE: 29° 33' 39.41" N LONGITUDE: -98° 01' 49.73" E LATITUDE: 29° 34' 14.7" N LONGITUDE: -98° 00' 46.98" E

END PROJECT:

POLYVINYL CHLORIDE

RIGHT-OF-WAY

STATE HIGHWAY

SHEET

STA. STATION

STANDARD

RMITTING PURPOSES. THEY WERE PREPARED BY, NDER THE SUPERVISION OF: TYPE OR PRINT NAME

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19. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), IN COMPLIANCE WITH TEXAS HOUSE BILLS 662 AND 665. 20. CONTRACTOR SHALL PROVIDE "AS-BUILT" FORCE MAIN PLANS BEFORE FINAL INSPECTION. THE PLANS SHALL LIST MATERIAL MANUFACTURERS, LINE LENGTH FROM FITTING TO FITTING, AND GIS/GPS LOCATION.

GENERAL NOTES

- 1. FORCE MAIN LINE SHALL BE A MIN. OF 4' COVER.
- 2. FORCE MAIN SHALL BE INSTALLED BY OPEN TRENCH UNLESS OTHERWISE SPECIFIED.
- 3. WORK AREA SHALL BE LIMITED TO EASEMENT SHOWN OR EXISTING RIGHT-OF-WAY.

CONTRACTOR SHALL CONTACT OWNER PRIOR TO REMOVING AND REPLACING FENCE.

- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL CONSTRUCTION STAKING.
- 6. THE EARTH BEARING SURFACE SHALL BE UNDISTURBED MATERIAL. IF THIS IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND THE UNDISTURBED SOIL MUST BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ADEQUATE THRUST BLOCKING THAT MEETS CITY OF SEGUIN REQUIREMENTS OR IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- 7. CITY OF SEGUIN STAFF OR AUTHORIZED REPRESENTATIVE SHALL BE PRESENT DURING ALL SAMPLING, TESTING, OR TIE-INS BY THE CONTRACTOR.
- 8. FOR AN ELECTRICAL LINE LOCATED CLOSE TO THE PROJECT, ATTENTION IS DIRECTED TO THE STATE LAW (VERNON'S ANNOTATED TEXAS STATUES, ARTICLE 1436 (c)) CONCERNING OPERATIONS IN THE VICINITY OF ELECTRICAL LINES AND THE NEED FOR EFFECTIVE PRECAUTIONARY MEASURES.
- 9. NO WATER JETTING IS ALLOWED UNDER PAVEMENT. COMPACTION OF THE UTILITY TRENCH IS TO BE 95% STANDARD PROCTOR DENSITY, MOISTURE SHALL BE ±2% OF THE CORRESPONDING PROCTOR, SOIL SHALL BE HYDROTAMPED IN 1 FOOT LIFTS, AND PROOF ROLLED PRIOR TO INSPECTION AND APPROVAL OF THE UTILITY.
- 10. AFTER FINAL ACCEPTANCE BY CITY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WARRANTY ALL MATERIALS AND WORKMANSHIP FOR A MINIMUM PERIOD OF 1 YEAR.
- 11. BEFORE FINAL APPROVAL OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR, AT THEIR OWN EXPENSE, ANY EXISTING PAVEMENT, CURBS, OR STRUCTURES THAT ARE DAMAGED OR REMOVED.
- 12. A STAGING AREA FOR THIS PROJECT IS NOT PROVIDED BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND MAINTAIN ANY STAGING AREAS FOR THE PROJECT.
- 13. PRIOR TO BEGINNING ANY CONSTRUCTION, THE TEMPORARY EROSION/SEDIMENTATION CONTROL ITEMS SHALL BE IN PLACE, AND SHALL ENCOMPASS ALL STAGING AND SPOIL AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF AN EROSION/SEDIMENTATION CONTROL PLAN AND ITS IMPLEMENTATION.
- 14. REMOVAL OF ANY REMAINING EROSION CONTROLS, AND THE REVEGETATION OF ALL DISTURBED AREAS, IS THE RESPONSIBILITY OF THE CONTRACTOR, AS DIRECTED BY RESTORATION REQUIREMENTS. ALL AREAS WITHIN THE PUBLIC RIGHT-OF-WAY, EXPOSED DURING CONSTRUCTION, SHALL BE REVEGETATED AS DIRECTED BY THE PROJECT ENGINEER. REVEGETATION OF ALL EXPOSED AREAS SHALL CONSIST OF HYDROMULCHING. ACCEPTABLE REVEGETATION SHALL CONSIST OF A MINIMUM OF 1.5 INCHES OF GROWTH OVER 95% OF THE AREA WITHIN INDIVIDUALLY EXPOSED AREAS, NOT TO EXCEED 9 SQUARE FEET. ANY VEGETATION OUTSIDE OF THE LIMITS OF CONSTRUCTION SHALL REMAIN UNDISTURBED.
- 15. TRAFFIC CONTROL IN TXDOT RIGHT-OF WAY SHALL CONFORM TO THE 2011 TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) REVISION 2, PART 6 TEMPORARY TRAFFIC CONTROL (REVISED)
- 16. BORE PIT SIZING SHALL BE DETERMINED BY THE CONTRACTOR BASED ON CASING DEPTH AND SOIL CONDITIONS.
- 17. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPERLY SIZED PIPE AND REPAIR PARTS FOR THE REPAIR OF EXISTING WATER LINES THAT ARE EXPOSED AND EXCAVATED.
- 18. THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. THE ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY THE CONTRACTORS FAILURE TO LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES, THAT MAY OR MAY NOT BE SHOWN ON THE PLANS. FINDINGS SHALL BE DOCUMENTED BY THE CONTRACTOR IN RECORD DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE PROPOSED WORK.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING OBJECTS TO THEIR ORIGINAL OR IMPROVED CONDITION. ANY DAMAGES INCURRED TO EXISTING FENCES, CONCRETE ISLANDS, CURBS, CONCRETE DRIVEWAYS, CONCRETE STRUCTURES, ASPHALT PAVEMENT, FIRE HYDRANTS, VALVES OR ANY OTHER UTILITY RELATED DEVICES.
- 20. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, THE LOCAL GAS COMPANY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- 21. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS OF RESIDENTS, BUSINESSES, OWNER'S REPRESENTATIVES AND MAINTAIN ONE-HALF OF ALL STREETS OPEN TO TRAFFIC AT ALL TIMES. PROVIDE STEEL PLATE TRAFFIC COVERS OVER THE TRENCH AT STREETS AND AT DRIVEWAYS AS REQUIRED.
- 22. POWER POLES, ADJACENT TO THE PROPOSED TRENCH, SHALL BE SHORED OR SUPPORTED DURING CONSTRUCTION OF THE TRENCH. THE METHODS MUST BE APPROVED BY THE APPROPRIATE UTILITY COMPANY. REPAIR OF ANY DAMAGES INCURRED SHALL BE AT THE CONTRACTOR'S EXPENSE, AND RESTORED TO THE ORIGINAL OR IMPROVED CONDITION.
- 23. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS PRIOR TO CUTTING OR REMOVING ANY SERVICE PIPES OR SPRINKLER PIPES, AS REQUIRED AND SHALL REPAIR AND RESTORE THEM TO THEIR ORIGINAL OR IMPROVED CONDITION.
- 24. THE EXACT LOCATIONS OF WATER SERVICES, GAS SERVICES, OR ANY OTHER UTILITY WILL BE DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR PRIOR TO EXCAVATION.
- 25. IF FAULT, CAVERNS, OR SUBSIDENCE ARE DISCOVERED DURING CONSTRUCTION,

- CONSTRUCTION SHALL BE HALTED TO ALLOW THE FEATURES TO BE INSPECTED BY THE DESIGN ENGINEER OR GEOLOGICAL /GEOTECHNICAL PROFESSIONAL.
- 26. THE UTILITY COMPANIES, THE PROPERTY OWNERS ADJACENT TO THE AREA AFFECTED AND THE WATER SYSTEM MANAGER OF THE CITY OF SEGUIN, TEXAS SHALL BE NOTIFIED 72 HOURS PRIOR TO COMMENCING WORK ON EACH SECTION OF THE PROJECT AND 48 HOURS PRIOR TO THE NEED TO CLOSE ANY UTILITY VALVE OR MAIN.

THE FOLLOWING IS A LIST OF THE LOCAL UTILITY COMPANIES THAT SHOULD BE CONTACTED PRIOR TO CONSTRUCTION:

(CPS ENERGY	210-353-2222
-	TEXAS 811	800-344-8377
5	SEGUIN UTILITY OPERATIONS, TIM HOWE	830-386-2222
(GUADALUPE VALLEY ELECTRIC COOPERATIVE	800-223-4832
,	AT&T	855-497-3206
5	SPECTRUM	866-866-7509

- 27. PROPERTY OWNERS SHALL BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION THROUGH THEIR PROPERTY, PRIOR TO THE NEED TO OPEN ANY FENCE GATES, PRIOR TO THE REMOVAL OF FENCES OR ANY LANDSCAPE STRUCTURES REQUIRED DUE TO TRENCHING.
- 28. TYPES AND LOCATIONS OF ANY LANDSCAPE STRUCTURES, FENCES, TREES OR SHRUBS SHALL BE FIELD VERIFIED PRIOR TO EXCAVATING AND AVOIDED WHERE POSSIBLE.
- 29. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR THE U.S. POSTAL SERVICE CARRIERS. ANY DAMAGES INCURRED TO MAILBOXES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND SHALL BE RESTORED TO THEIR ORIGINAL OR IMPROVED CONDITION.
- 30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY STREET OR STRUCTURE DAMAGED OUTSIDE OF THE PROJECT AREA DUE TO CONSTRUCTION AND SHALL RESTORE THEM TO THEIR ORIGINAL OR IMPROVED CONDITION.
- 31. IN CASE OF DISCREPANCY BETWEEN THE DRAWINGS AND THE TECHNICAL SPECIFICATIONS, THE MOST STRINGENT DATA IN THE OPINION OF THE ENGINEER SHALL GOVERN. THE MATTER SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 32. ALL EXISTING DRAINS OR INLET STRUCTURES SHALL BE PROTECTED FROM DAMAGES. ANY DAMAGES INCURRED SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 33. NO PNEUMATIC TAMPING DEVICES SHALL BE ALLOWED.
- 34. BLASTING IS NOT PERMITTED ON THIS PROJECT.
- 35. THE CONTRACTOR SHALL RESTORE EXISTING FENCES, IF DAMAGED, AND GROUND TO ORIGINAL CONDITION OR BETTER CONDITION.
- 36. THE CONTRACTOR SHALL COMPLY WITH PERMIT REQUIREMENTS OF THE CITY OF SEGUIN, GUADALUPE COUNTY, STATE FEDERAL AND OTHER UTILITY COMPANIES AS REQUIRED.
- 37. THE CONTRACTOR SHALL MAINTAIN 48 INCHES OF MINIMUM COVER THROUGHOUT ALL ROADSIDE
- 38. UNACCEPTABLE MATERIAL SHALL BE DEFINED AS EXISTING UNSTABLE MATERIALS AND\OR LAYING CONDITIONS ENCOUNTERED ANY TIME DURING EXCAVATION, TRENCHING OR BACKFILLING. SUCH MATERIALS INCLUDE AND ARE NOT LIMITED TO THE FOLLOWING:
- 38.1. ANY SHARP ABRASIVE OBJECT, WATER, SILT, MUCK. TRASH OR DEBRIS, ROCK IN LEDGE, COARSE GRAVEL WITH PARTICLE SIZE LARGER THAN 1-3/4" INCH DIAMETER DURING INITIAL BACKFILL, ROCKS OR BOULDERS GREATER THAN ONE-HALF THE TRENCH WIDTH DURING SECONDARY BACKFILL. ANY SUCH MATERIAL SHALL BE REMOVED FROM THE TRENCH AND THE JOBSITE.
- 39. CITY OF SEGUIN INSPECTOR OR AUTHORIZED REPRESENTATIVES SHALL BE PRESENT DURING ALL TESTING AND TIE-INS BY THE CONTRACTOR.
- 40. INSPECTOR, OR AUTHORIZED REPRESENTATIVE, WILL INSPECT AND APPROVE SAND BEDDING BEFORE PIPE IS LAID AND INITIAL SAND BACKFILL BEFORE REMAINING BACKFILL IS INSTALLED.

SEQUENCE OF CONSTRUCTION

- CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING
 CONSTRUCTION
- 2. CLEAR RIGHT-OF-WAY, PROTECT FENCING AND GATES, AND LOCATE ALL EXISTING UTILITIES
- 3. INSTALL EROSION/SEDIMENTATION CONTROLS AND TEMPORARY FENCING AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF PETS AND LIVESTOCK.
- 4. INSTALL TRAFFIC CONTROL AND PEDESTRIAN ALTERNATE PATHWAYS WHERE NECESSARY.
- 5. LOCATE EXISTING UTILITIES.
- 6. COMPLETE THE REQUIRED CONSTRUCTION STAKING FOR THE PROJECT TO INCLUDE EASEMENTS, SANITARY SEWER LINE CENTERLINE, AND ALL APPURTENANCES.
- 7. CONSTRUCT FORCE MAIN (INCLUDING CONNECTION(S) TO EXISTING LIFT STATION, WASTEWATER MANHOLE, AND/OR FORCE MAIN), AS SHOWN IN PLANS.
- 8. RESTORE WORK AREA TO EXISTING GRADES, REPAIR FENCING, REPAIR/REPLACE DRIVEWAYS, REVEGETATE DISTURBED AREAS TO A 95% MINIMUM, AND COMPLETE ALL INCIDENTAL WORK.
- 9. REMOVE TEMPORARY EROSION/SEDIMENTATION CONTROLS.

TREE PROTECTION AND NATURAL AREA PROTECTION NOTES

- 1. CLEARING OF NATURAL VEGETATION OR REMOVAL OF ANY PROTECTED TREES IS PROHIBITED WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE OWNERS REPRESENTATIVE OR PROJECT ENGINEER.
- 2. ALL TREES AND NATURAL AREAS SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
- 3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
- 4. EROSION/SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN TREE DRIP LINES.
- 5. PROTECTIVE FENCES SHALL COMPLETELY SURROUND THE TREE OR GROUP OF TREES AND WILL BE LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIP LINE); OR FOR NATURAL AREAS. PROTECTIVE FENCES SHALL BE INSTALLED AROUND ALL TREES OR TREE GROUPS WITHIN 30 FEET OF FORCE MAIN ALIGNMENT IN ORDER TO PREVENT THE FOLLOWING:
- 5.A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
- 5.B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN SIX (6) INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY PROJECT ENGINEER OR OWNER'S REPRESENTATIVE.
- 5.C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
- 5.D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, TRUCK CLEANING, AND FIRES.
- 6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
- 6.A. AT AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACES, TREE WELLS, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEHIND THE AREA DISTURBED;
- 6.B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, INSTALL THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE);
- 6.C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, INSTALL THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;
- 6.D. FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.
- 7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO BE A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING).
- 8. WHERE ANY OF THE ABOVE EXCEPTIONS TO FENCING AT A TREE'S DRIP LINE RESULT IN AREAS OF UNPROTECTED ROOT ZONES (UNDER DRIP LINES) WHERE HEAVY TRAFFIC IS EXPECTED, COVER THOSE AREAS WITH FOUR (4) INCHES OF ORGANIC MULCH OR GRAVEL TO MINIMIZE SOIL COMPACTION.
- 9. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- 10. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACK-FILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACK-FILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- 11. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
- 12. NO TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIP LINES OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
- 13. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS.
- 14. ALL FINISHED PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION "PRUNING STANDARDS FOR SHADE TREES").
- 15. WHERE ANY OF THE ABOVE EXCEPTIONS TO FENCING AT A TREE'S DRIP LINE RESULT IN AREAS OF UNPROTECTED ROOT ZONES (UNDER DRIP LINES) WHERE HEAVY TRAFFIC IS EXPECTED, COVER THOSE AREAS WITH FOUR (4) INCHES OF ORGANIC MULCH OR GRAVEL TO MINIMIZE SOIL COMPACTION.
- 16. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.
- 17. ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATED PROTECTIVE FENCING TO TWO (2) FEET BEHIND THE GRADE CHANGE AREA.
- 18. TREES IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHALL BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
- 19. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE ROOT ZONE.

TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES AND TREE/NATURAL AREA PROTECTION MEASURES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), INCLUDING COMPLYING WITH ALL APPLICABLE REGULATIONS RELATED TO NPDES AND TPDES, AND SUBMITTING REQUIRED NOTIFICATION OF INTENT AND TERMINATION. THIS IS TO BE PAID FOR UNDER "STORM WATER POLLUTION PREVENTION PLAN" ITEM
- 2. THE CONTRACTOR SHALL BE RESPOSIBLE FOR THE SITE CONDITIONS DURING CONSTRUCTION AND UNTIL THE PROJECT IS ACCEPTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STORMWATER POLLUTION PREVENTION PLAN, UNDERSTAND THE REQUIREMENTS FOR THE PLAN, AND SHALL BE RESPONSIBLE FOR IMPLEMENTING THE PLAN. ALL FINES IMPOSED FOR NOT IMPLEMENTING OR MAINTAINING SWPPP MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL INSTALL EROSION/SEDMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
- 4. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION/SEDIMENTATION CONTROL PLAN.
- 5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE PROJECT ENGINEER AND TCEQ, AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY TCEQ. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION/SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE PROJECT ENGINEER DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
- 6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE THAT THEY HAVE NOT BEEN SUBSTANTIALLY DISTURBED AND ARE FUNCTIONING PROPERLY. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
 7. PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSING
- CONSTRUCTED FOR TEMPORARY CONTRACTOR 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 OF IN APPROVED SPOIL DISPOSAL SITES.

 8. IF DISCOVERY IS MADE OF ANY CAVERNS, SOLUTION CHANNELS, OR VOIDS
- 8. IF DISCOVERY IS MADE OF ANY CAVERNS, SOLUTION CHANNELS, OR VOIDS IN THE ROCK SUBSTRATE THAT: 1) ARE ONE SQUARE FOOT IN TOTAL AREA, OR GREATER; 2) BLOWS AIR FROM WITHIN THE SUBSTRATE; 3) CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT; THAT DISCOVERY WILL IMMEDIATELY BE REPORTED TO THE PROJECT ENGINEER AND GENERAL MANAGER OF CITY. A REQUEST FOR APPROVAL OF A NEW CONSTRUCTION DESIGN FOR THE PIPE OR FOUNDATION WILL BE SUBMITTED BY THE PROJECT ENGINEER, WHEN THE STRUCTURAL INTEGRITY OF THE PIPE OR FOUNDATION IS NOT SUFFICIENT TO BRIDGE THE GAP.

TRAFFIC

- THE CONTRACTOR WILL BE REQUIRED TO FURNISH BARRICADES, WARNING SIGNS, LIGHTS, FLARES, FLAGS, FLAGMEN, ETC. WHERE NECESSARY AND AS DIRECTED BY THE ENGINEER, PARTICULARLY IN THOSE AREAS OF IMMEDIATE WORK.
- 2. BATTERY FLASHERS SHALL BE USED AND NUMBER SHALL BE EQUAL OR GREATER THAN INDICATED ON BARRICADING STANDARDS. WHEN A CLASS I BARRICADE PANEL OR CLASS II BARRICADE IS USED, EACH SHOULD BE EQUIPPED WITH A MINIMUM OF TWO (2) LIGHTS. ALL WARNING SIGNS NOT MOUNTED ON BARRICADES SHALL HAVE ONE (1) LIGHT.
- 3. BATTERY FLASHERS SHALL CONFORM TO PART V, SECTION D, LIGHTING DEVICES, TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- 4. CONTRACTOR RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN, PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE CITY FOR APPROVAL 5 WORKING DAYS PRIOR TO COMMENCING WORK. PLAN SHOULD FOLLOW REQUIREMENTS OF TMUTCD, LATEST EDITION.
- 5. ALL TRENCHING AND CUT PAVEMENT SHALL BE RESTORED SUCH THAT LOCAL ACCESS MAY BE RESUMED AS SOON AS POSSIBLE.
- 6. RESTRICT TOTAL LENGTH OF DISTRIBUTED MATERIALS ALONG THE ROUTE OF CONSTRUCTION TO 1,000 LINEAR FEET UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY.
- 7. MAINTAIN THROUGH TRAFFIC ALONG ANY PUBLIC ROADWAYS FOR THE DURATION OF THE PROJECT. COORDINATE SHUT DOWN ROAD WITH CITY OF SEGUIN 5 DAYS PRIOR TO SHUTDOWN.

PRELIMINARY FOR REVIEW ONLY

THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AN NOTITIONED FOR CONSTITUTION, BIDDING OR PREPARED BY, OF UNDER THE SUPERVISION OF:

: MIM HC :025 :02-001

IENRY L. CRIPPEN
TYPE OR PRINT NAME

CORPORATION

CORPORATION

Texas Engineering Firm F-131

Texas Survey Firm 10194320

Austin

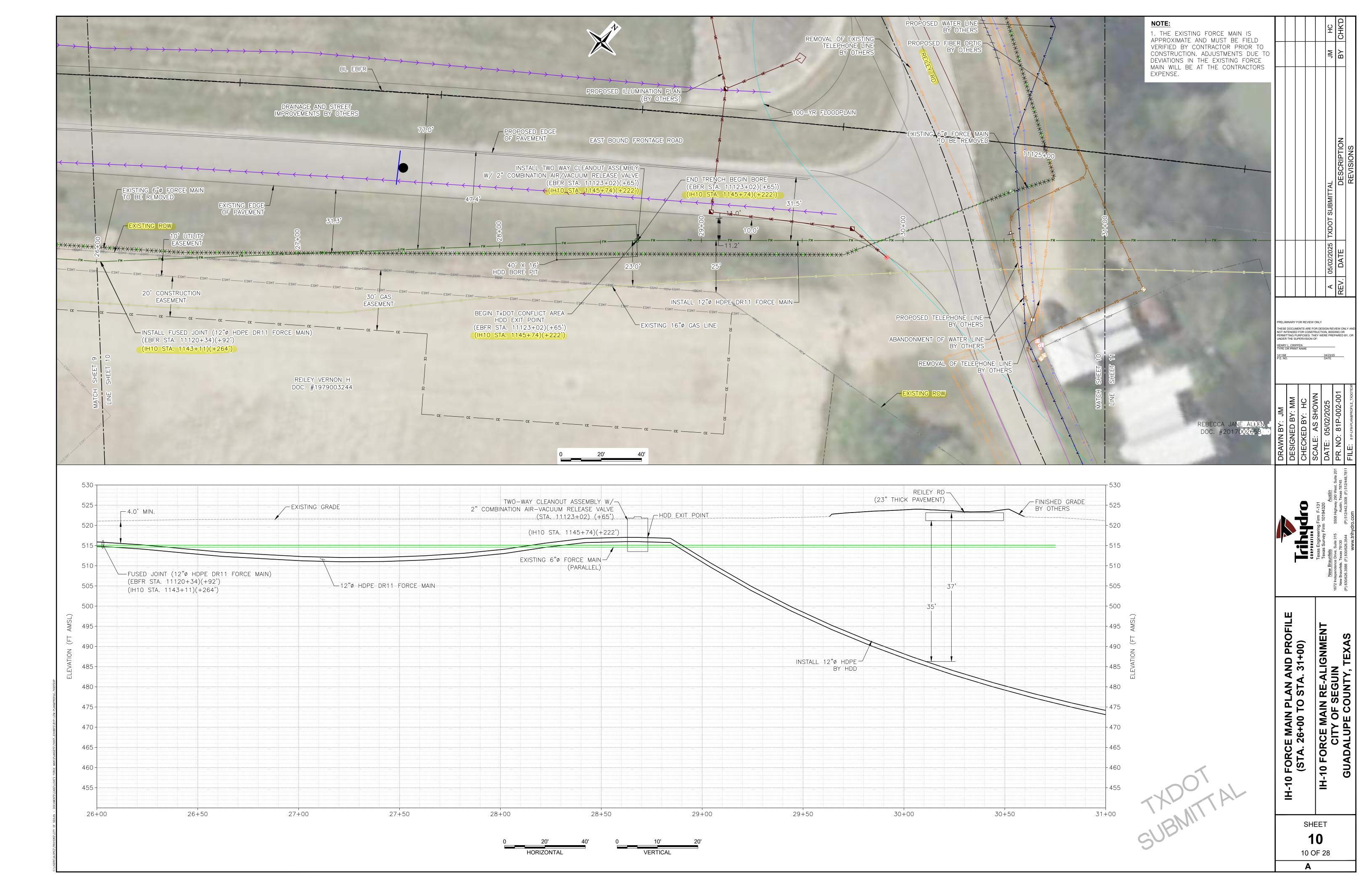
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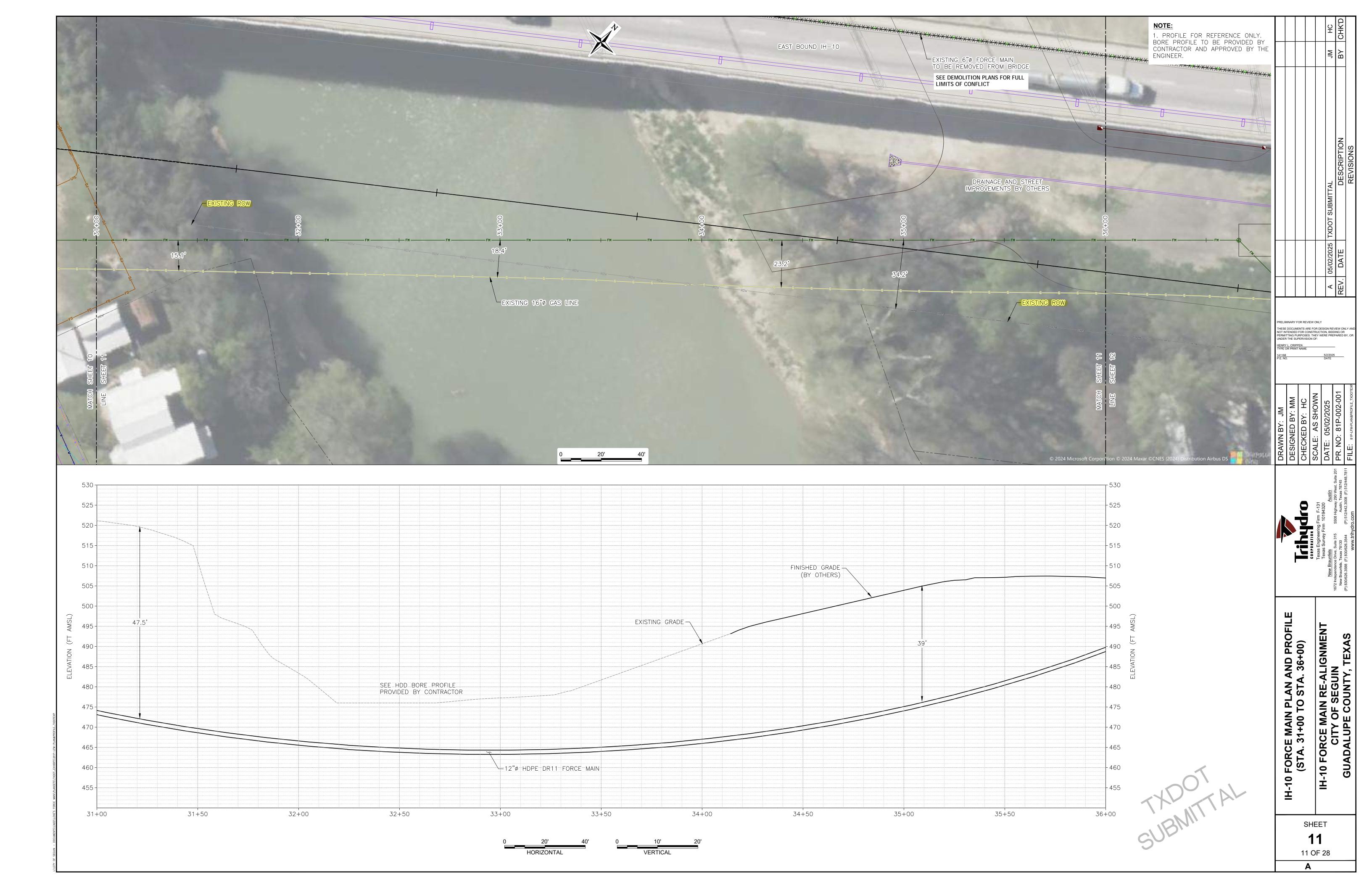
OF 2)
IN RE-ALIGNMENT

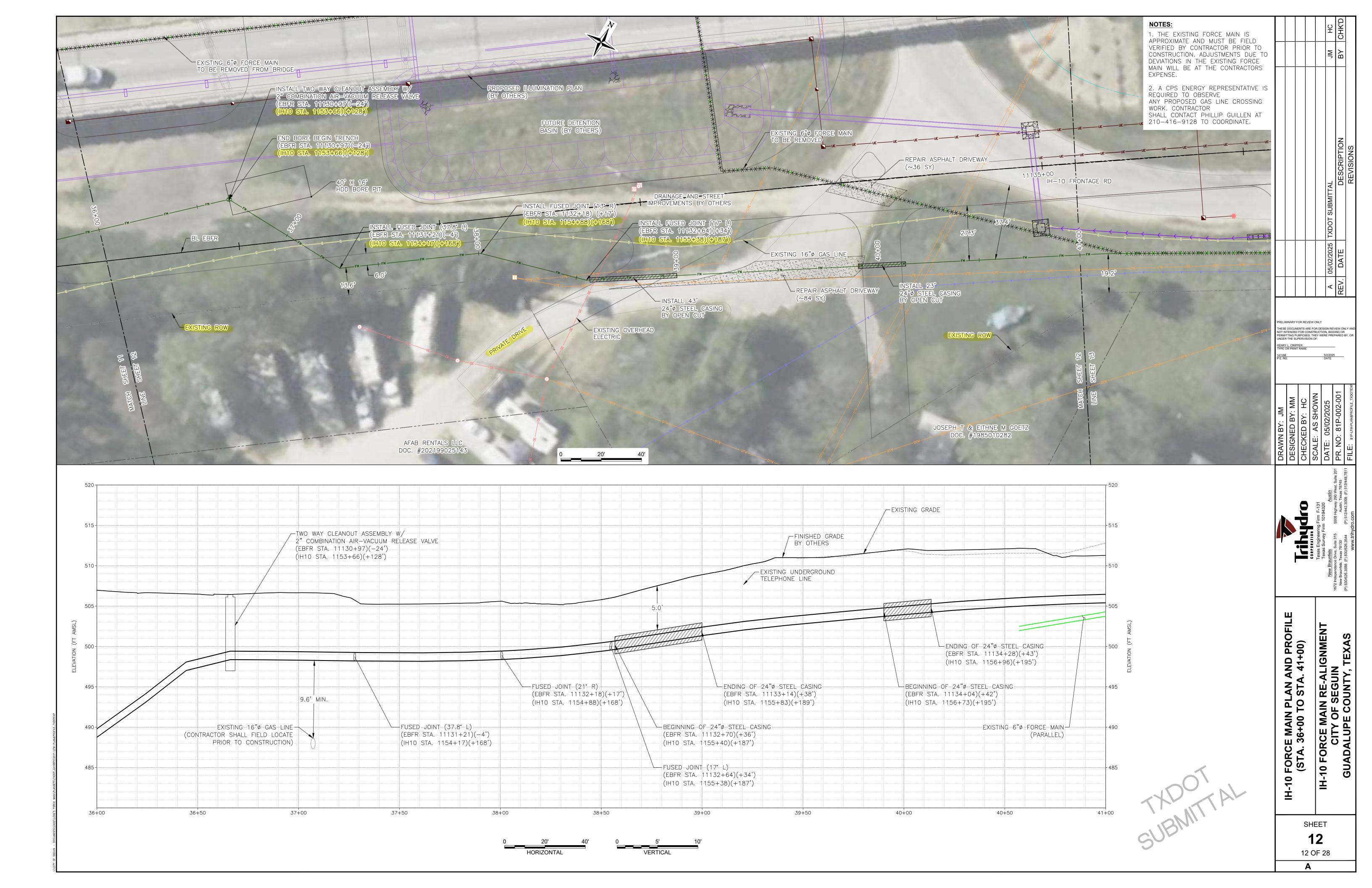
EXPLANATION AND I (2 OF 2) IH-10 FORCE MAIN RE-AI CITY OF SEGUI

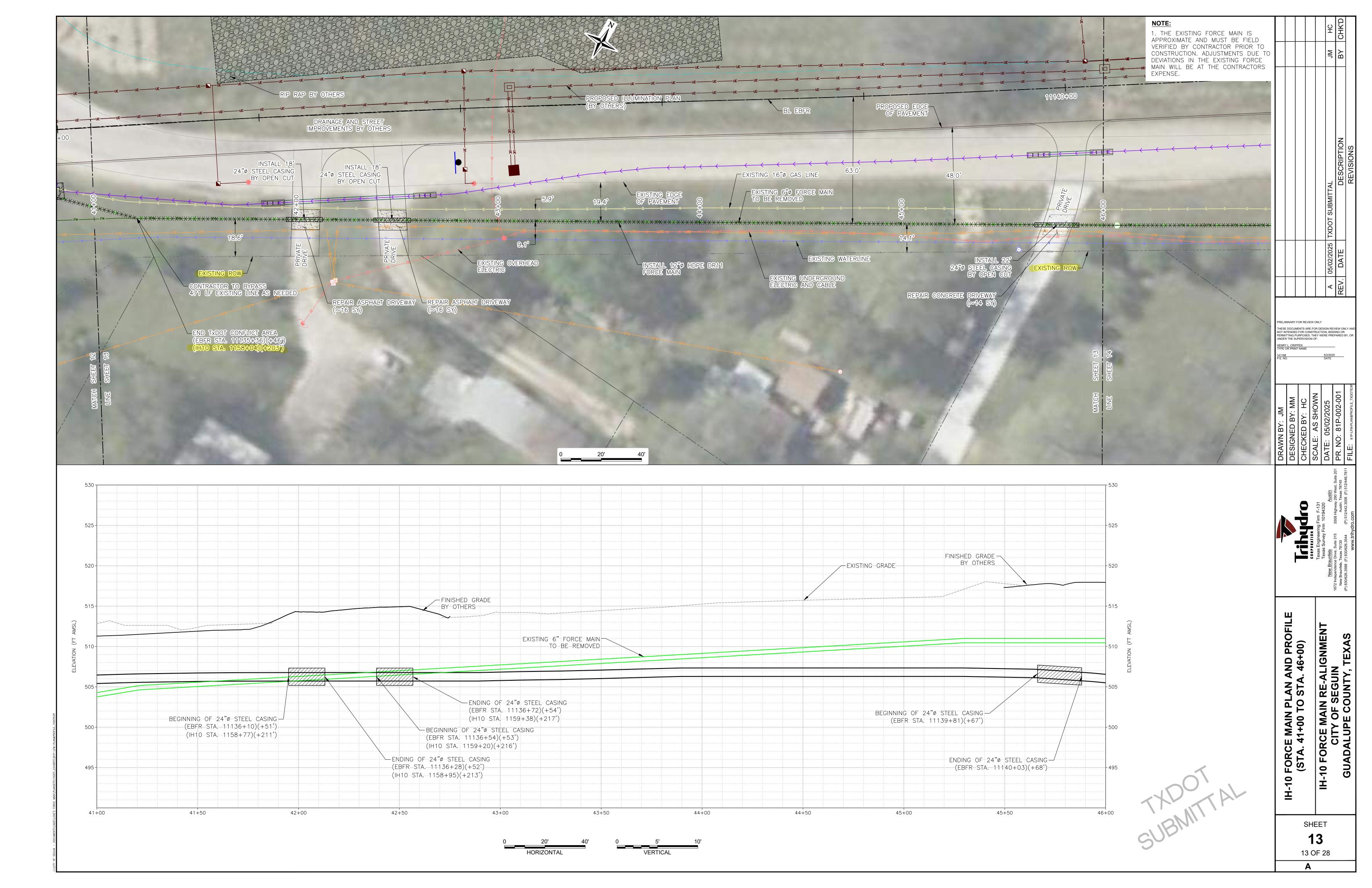
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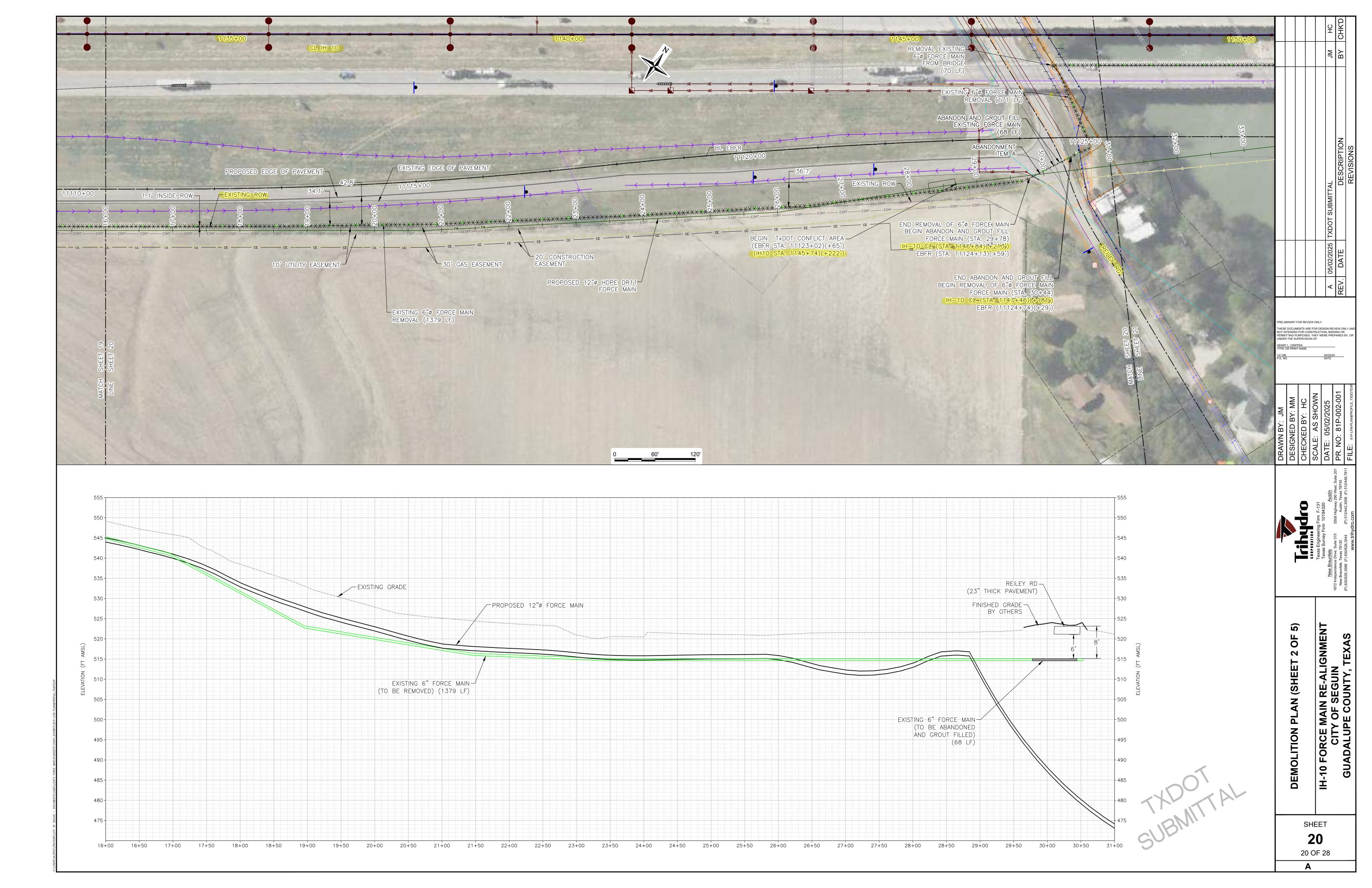


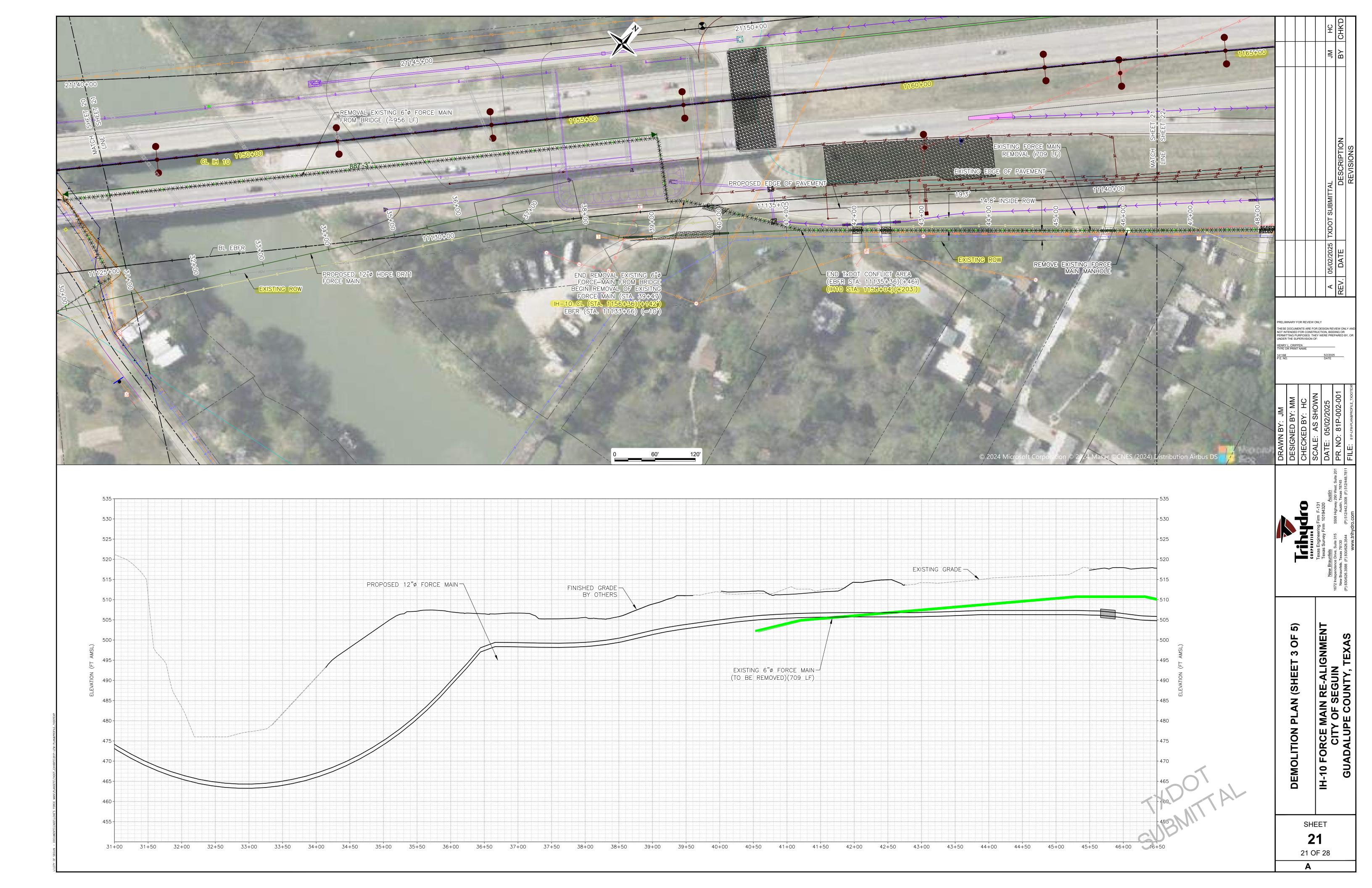


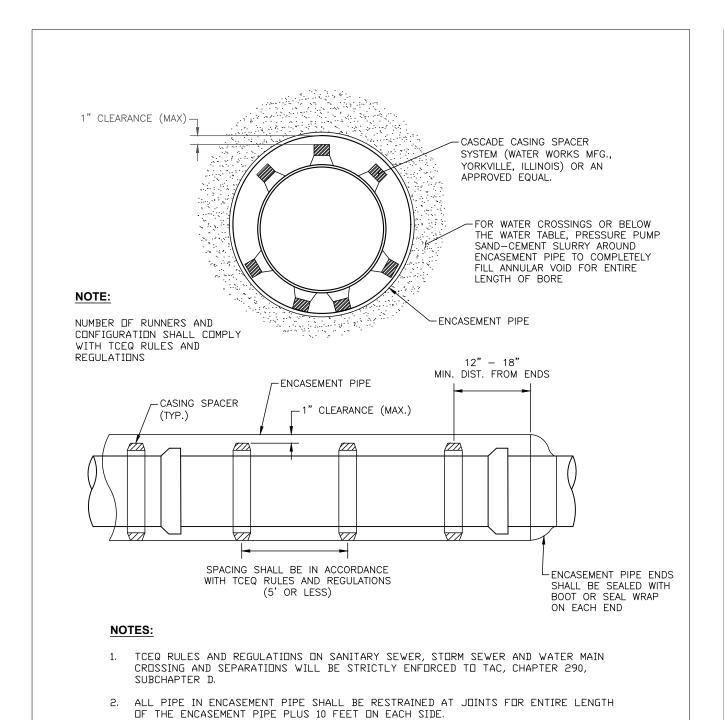












3. FOR PIPE SEGMENTS 20 FEET IN LENGTH, A MINIMUM OF 5 SPACERS ARE REQUIRED.

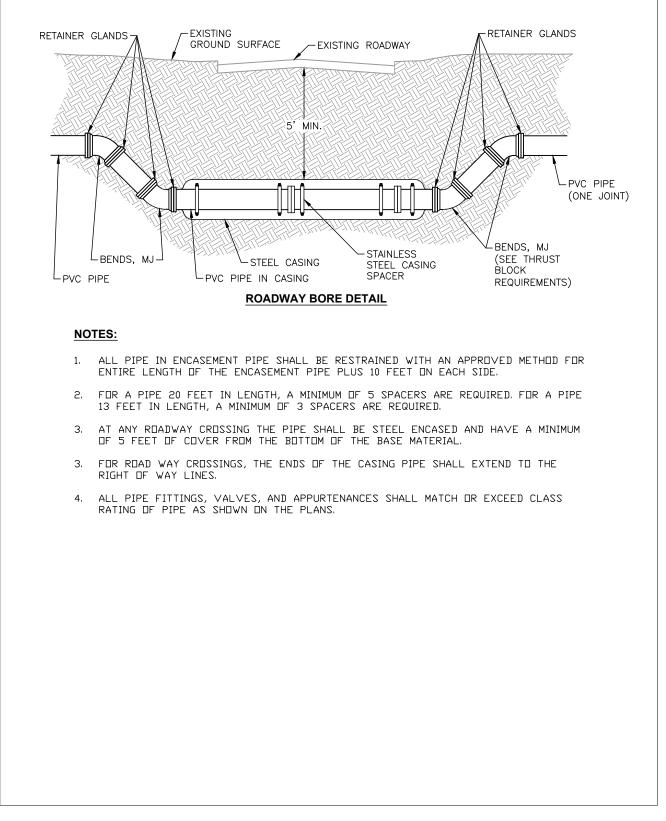
PIPE AND HAVE A MINIMUM OF 3 FEET OF COVER FROM THE BOTTOM OF THE

OF 5 FEET OF COVER FROM THE BOTTOM OF THE BASE MATERIAL.

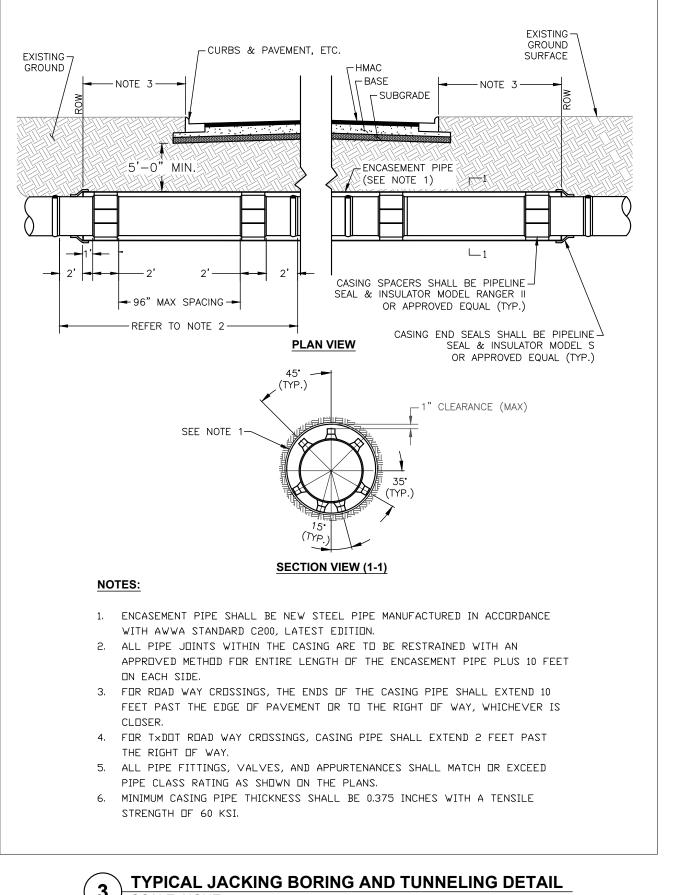
FOR PIPE SEGMENTS 13 FEET IN LENGTH, A MINIMUM OF 3 SPACERS ARE REQUIRED. 4. AT ANY CREEK CROSSING OR DRAINAGE DITCH THE PIPE SHALL BE ENCASED IN STEEL

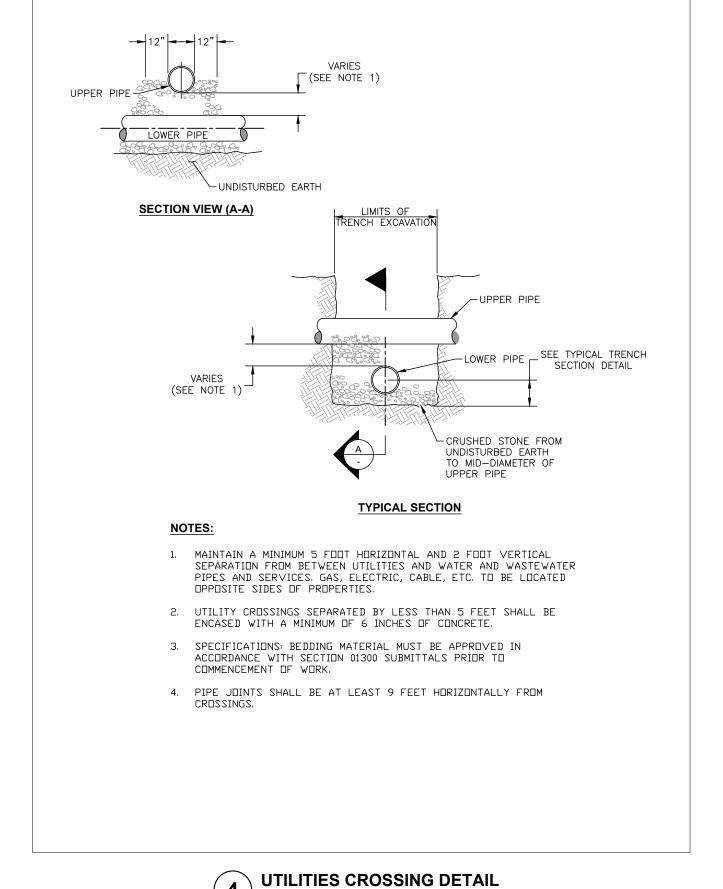
5. AT ANY ROADWAY CROSSING THE MAIN SHALL BE STEEL ENCASED AND HAVE A MINIMUM

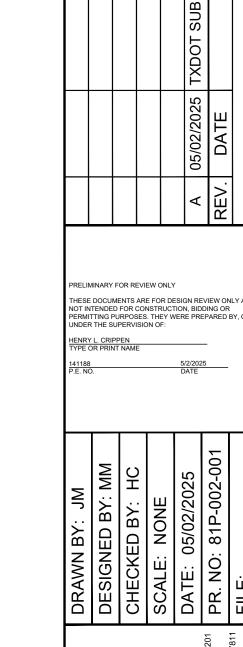
ENCASEMENT DETAIL WITH ENCASEMENT SPACERS

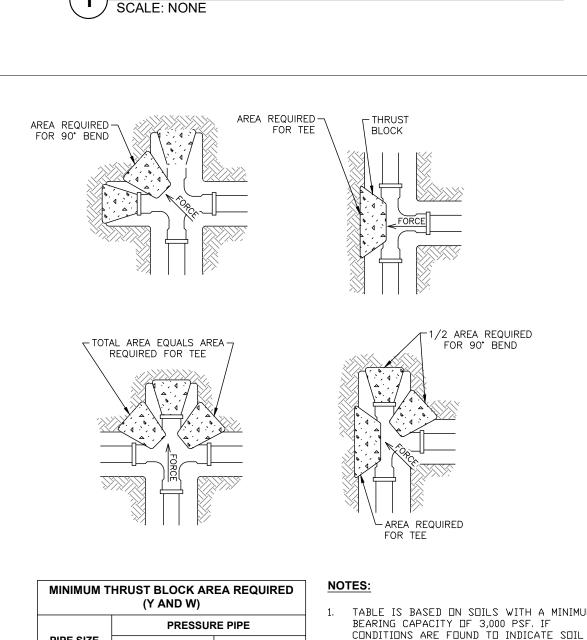


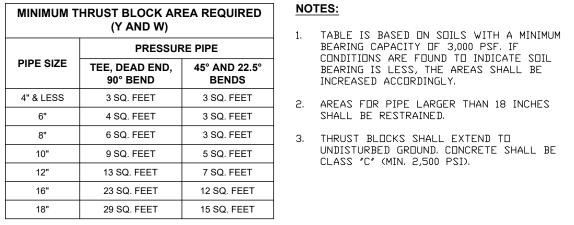
INSTALLATION OF PIPE IN STEEL ENCASEMENT UNDER ROADS

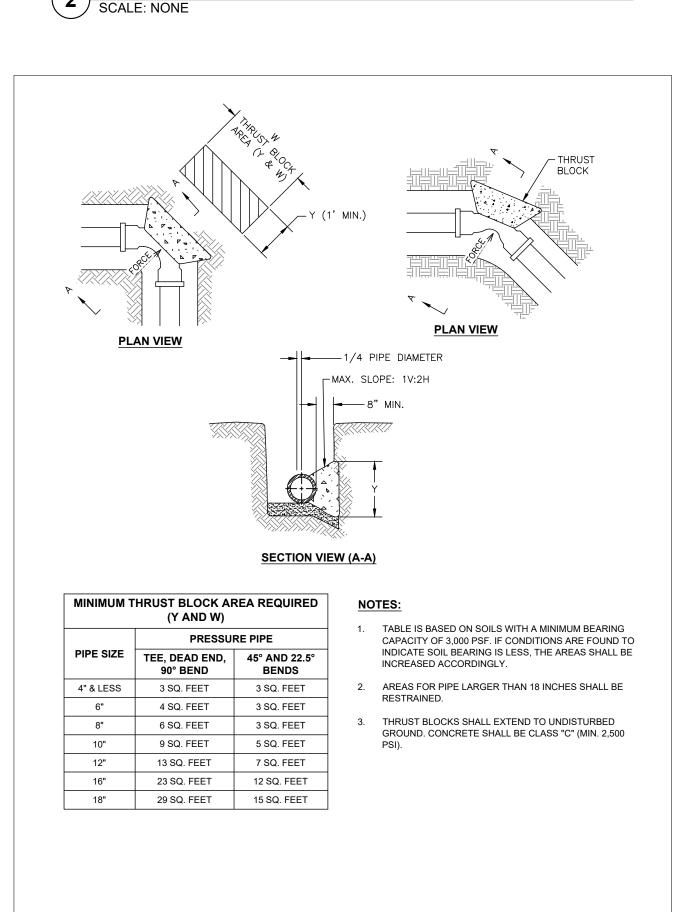


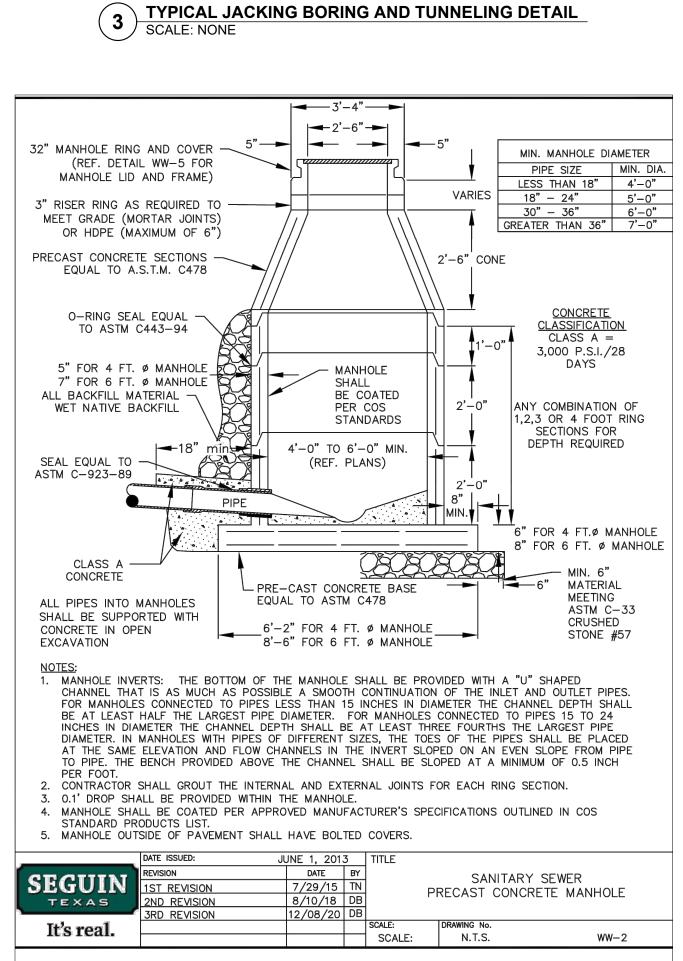


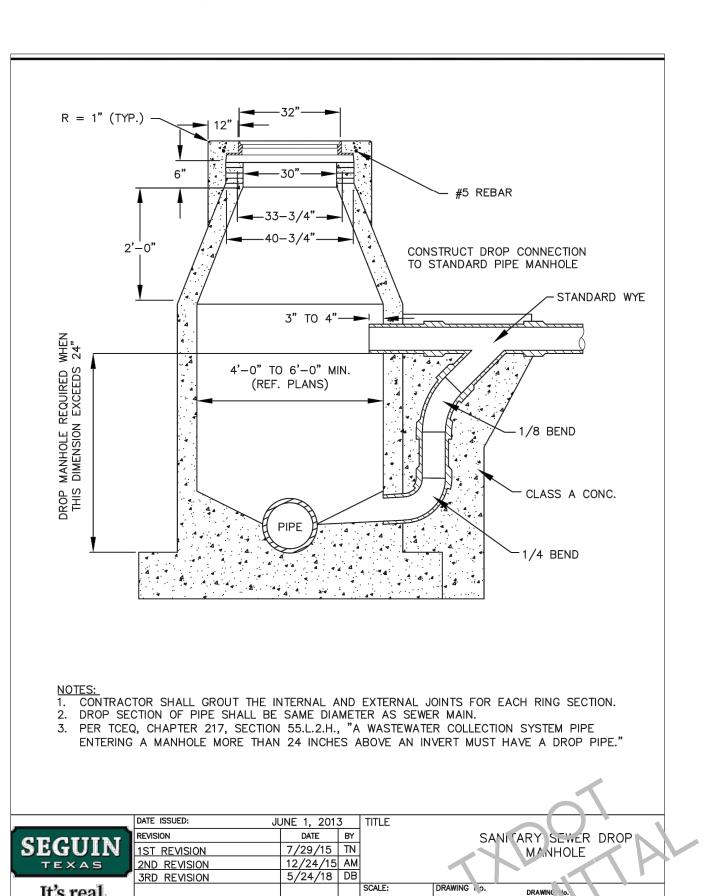


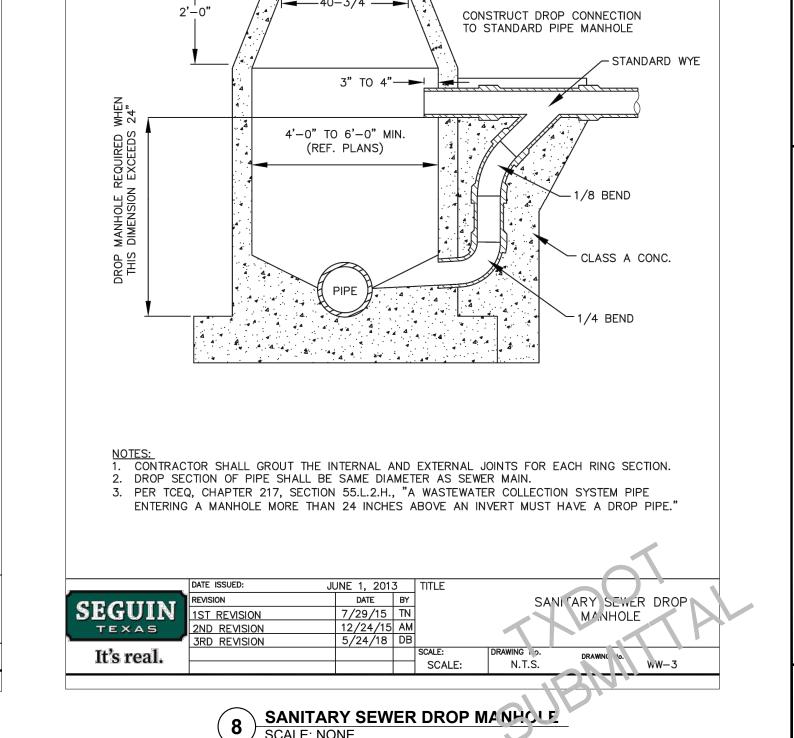












SCALE: NONE

SANITARY SEWER PRECAST CONCRETE MANHOLE

SCALE: NONE

CONCRETE THRUST BLOCKING (1 OF 2)

CONCRETE THRUST BLOCKING (2 OF 2)

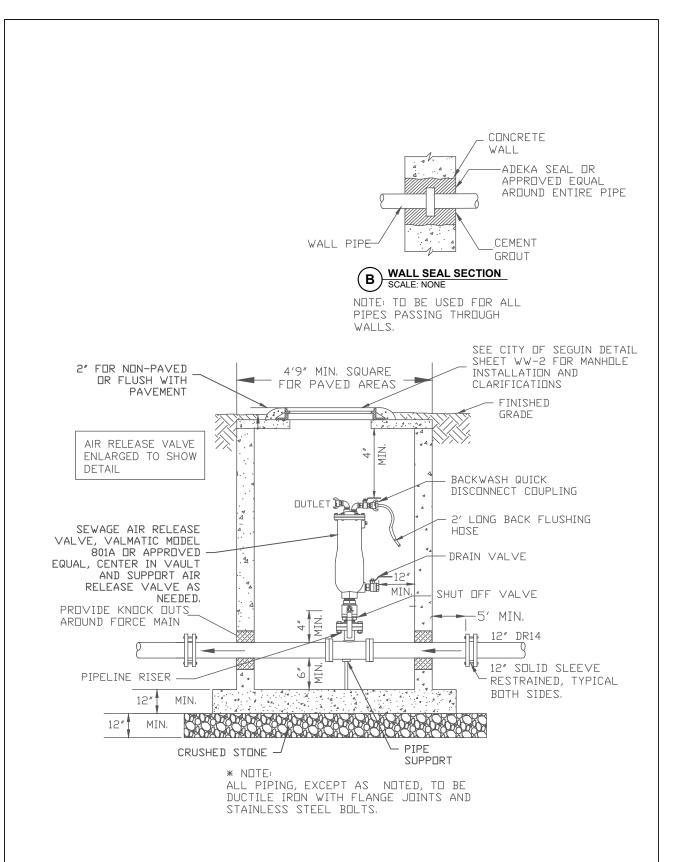
24 OF 28

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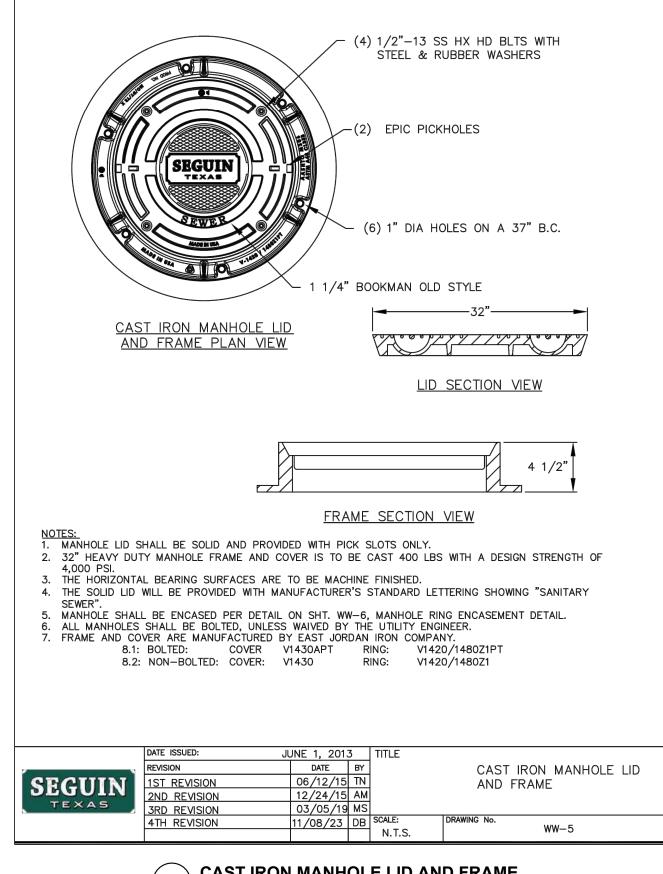
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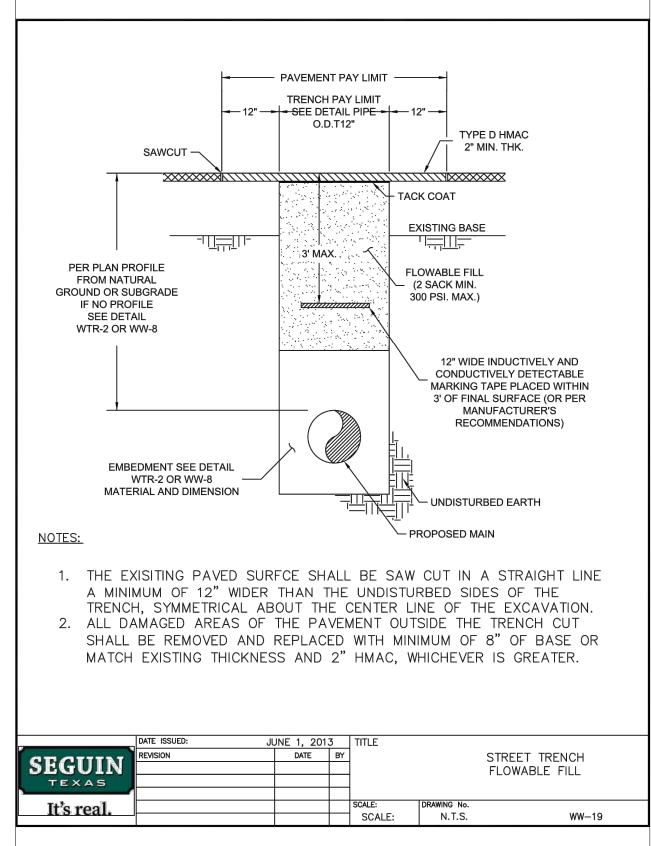
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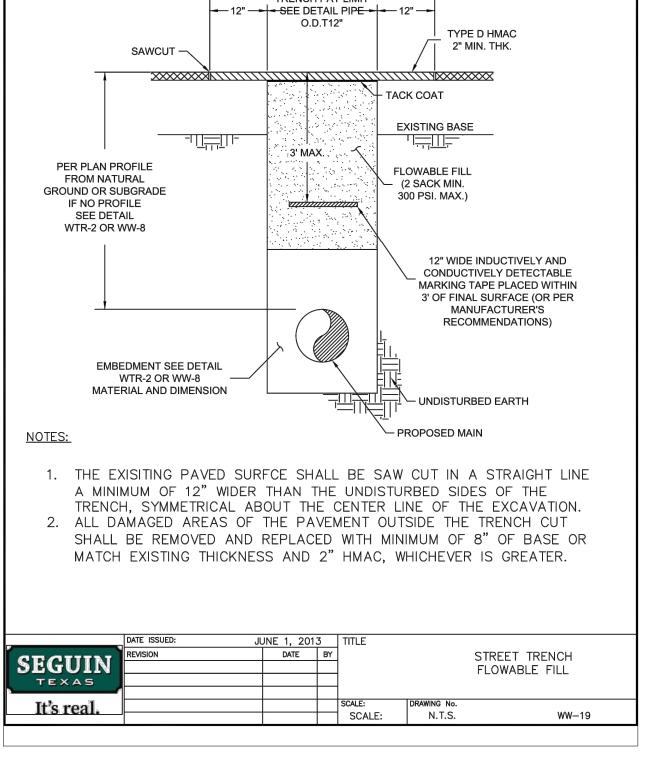


AIR RELEASE VALVE AND SEAL DETAIL SCALE: NONE



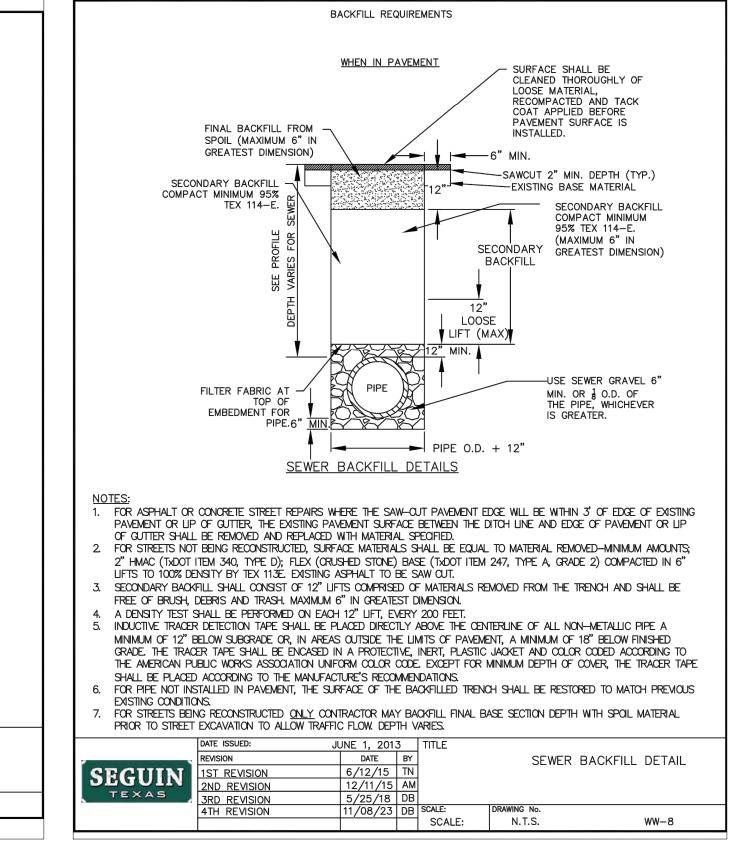




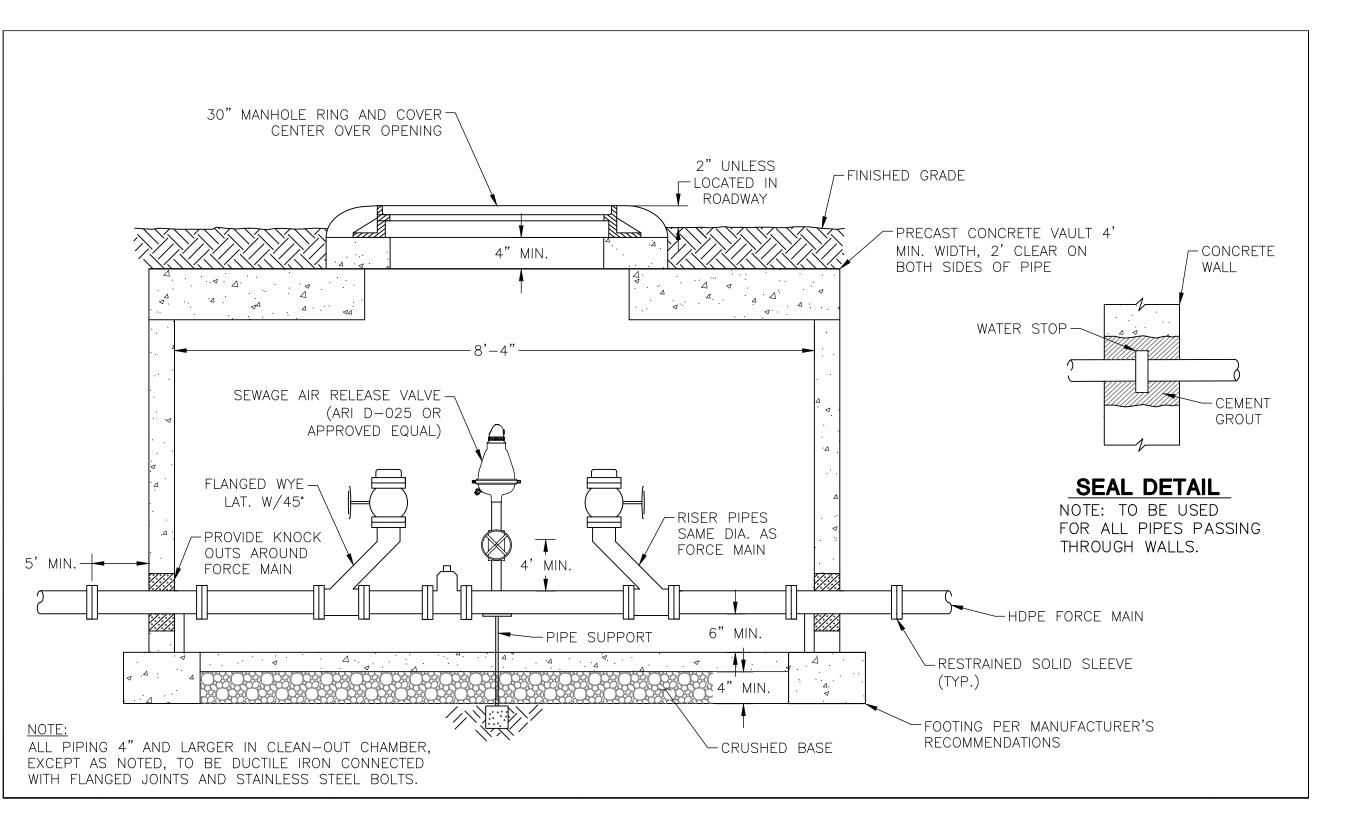


STREET TRENCH FLOWABLE FILL

SCALE: NONE



SEWER BACKFILL DETAIL SCALE: NONE



MAIN RE-ALIGNMENT Y OF SEGUIN PE COUNTY, TEXAS 7 OF 2 S DETAIL GENERAL

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES. THEY WERE PREPARED BY, OF UNDER THE SUPERVISION OF:

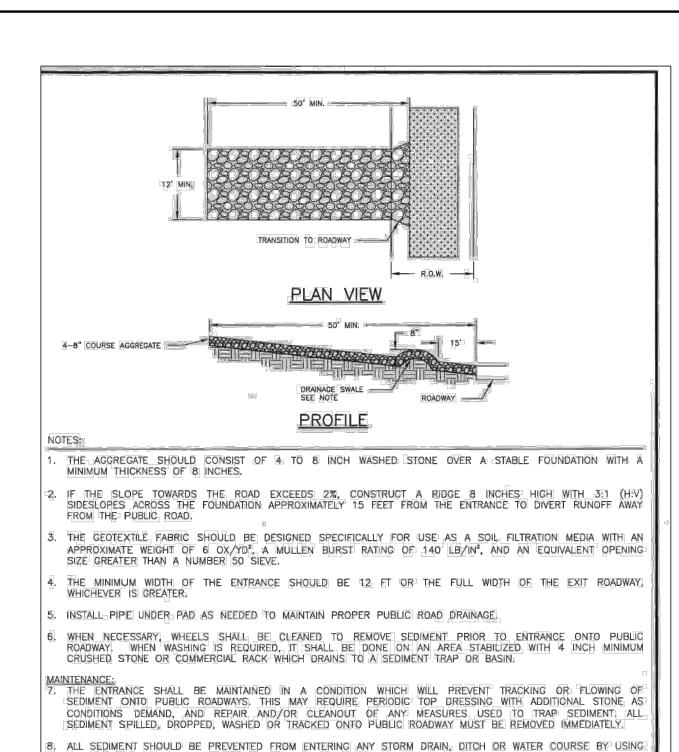
ENRY L. CRIPPEN YPE OR PRINT NAME

CITY 0 GU -10

SHEET

25 OF 28

TWO-WAY CLEANOUT ASSEMBLY SCALE: NONE



1 STABILIZED CONSTRUCTION ENTRANCE SCALE: NONE

STABILIZED CONSTRUCTION ENTRANCE

SEGUIN

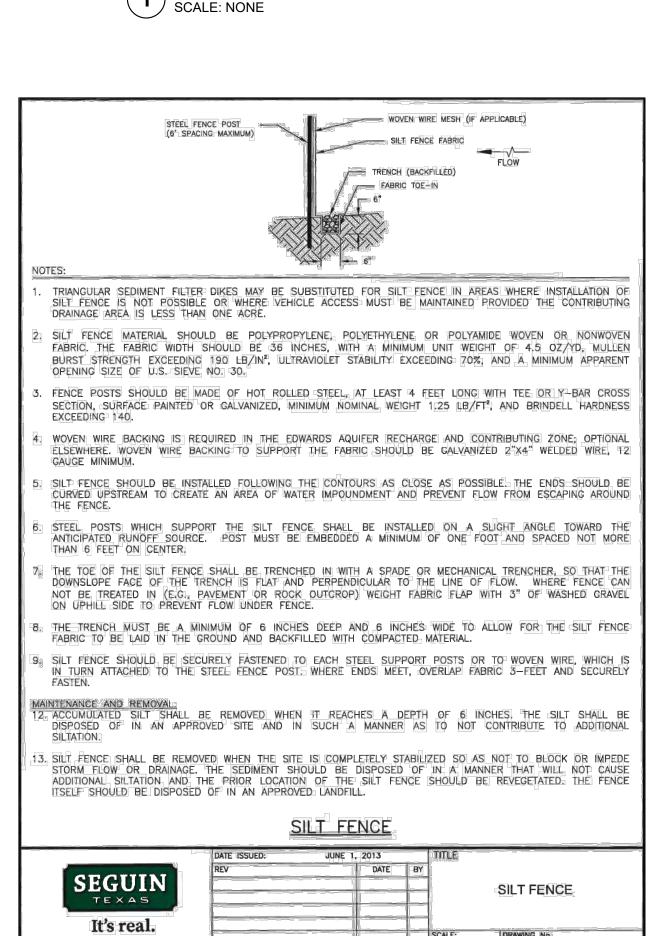
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It's real.

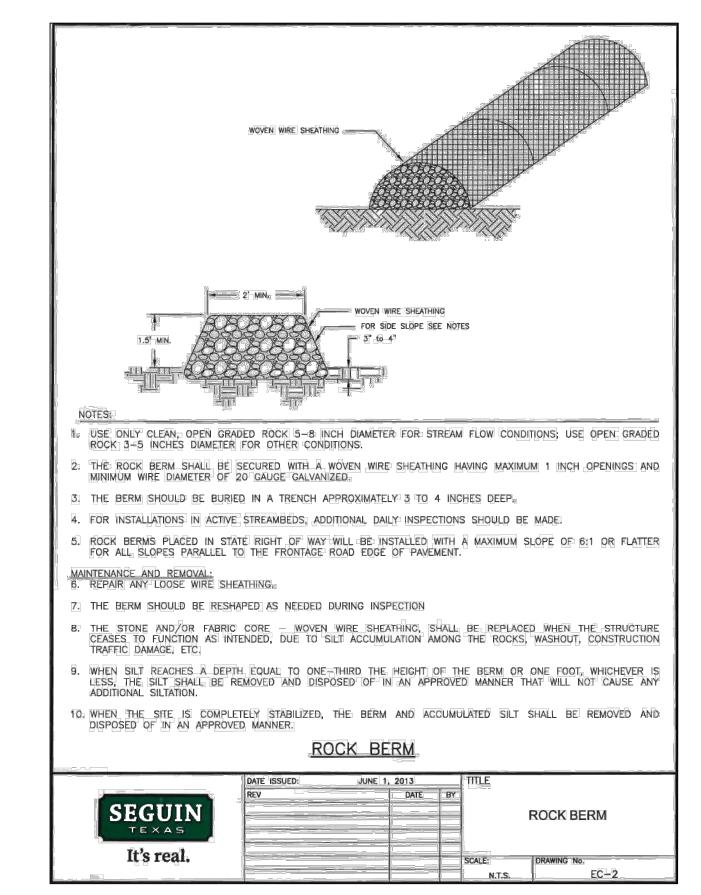
STABILIZED CONSTRUCTION

ENTRANCE

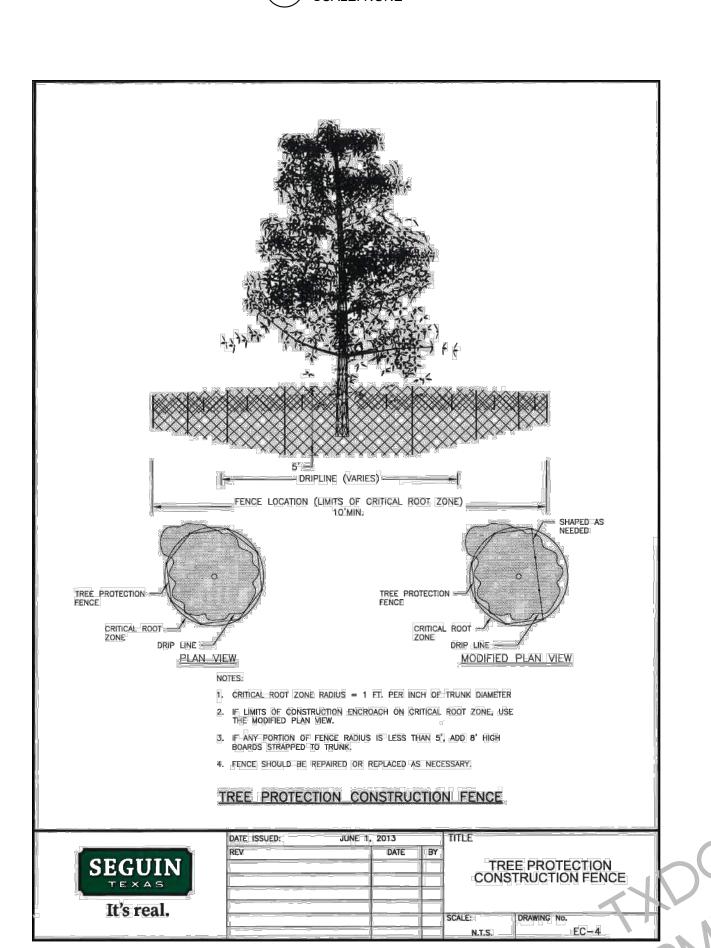
N.T.S.







ROCK BERM



TREE PROTECTION CONSTRUCTION FENCE

(4) SCALE: NONE

RELIMINARY FOR REVIEW ONLY

NDER THE SUPERVISION OF:

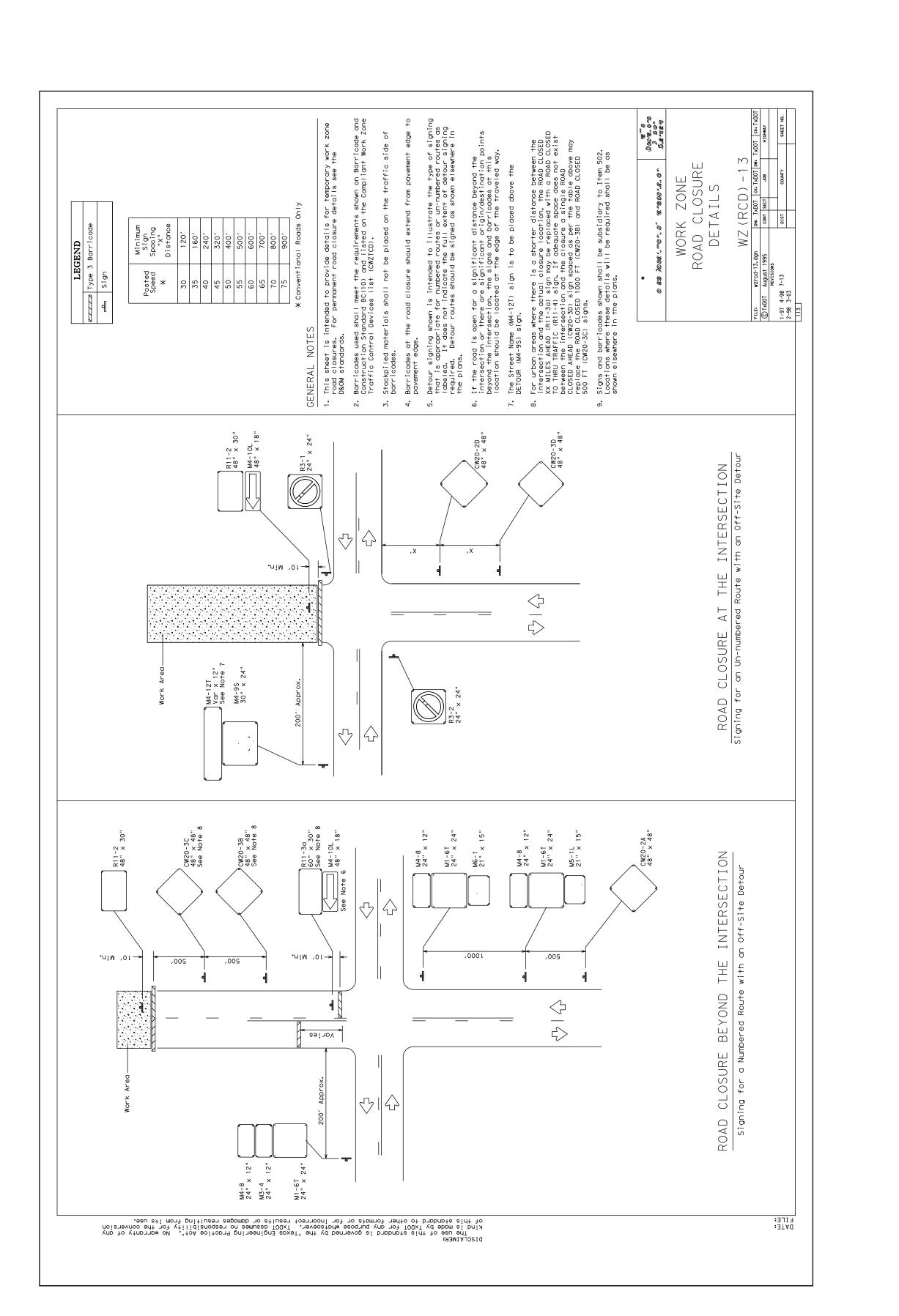
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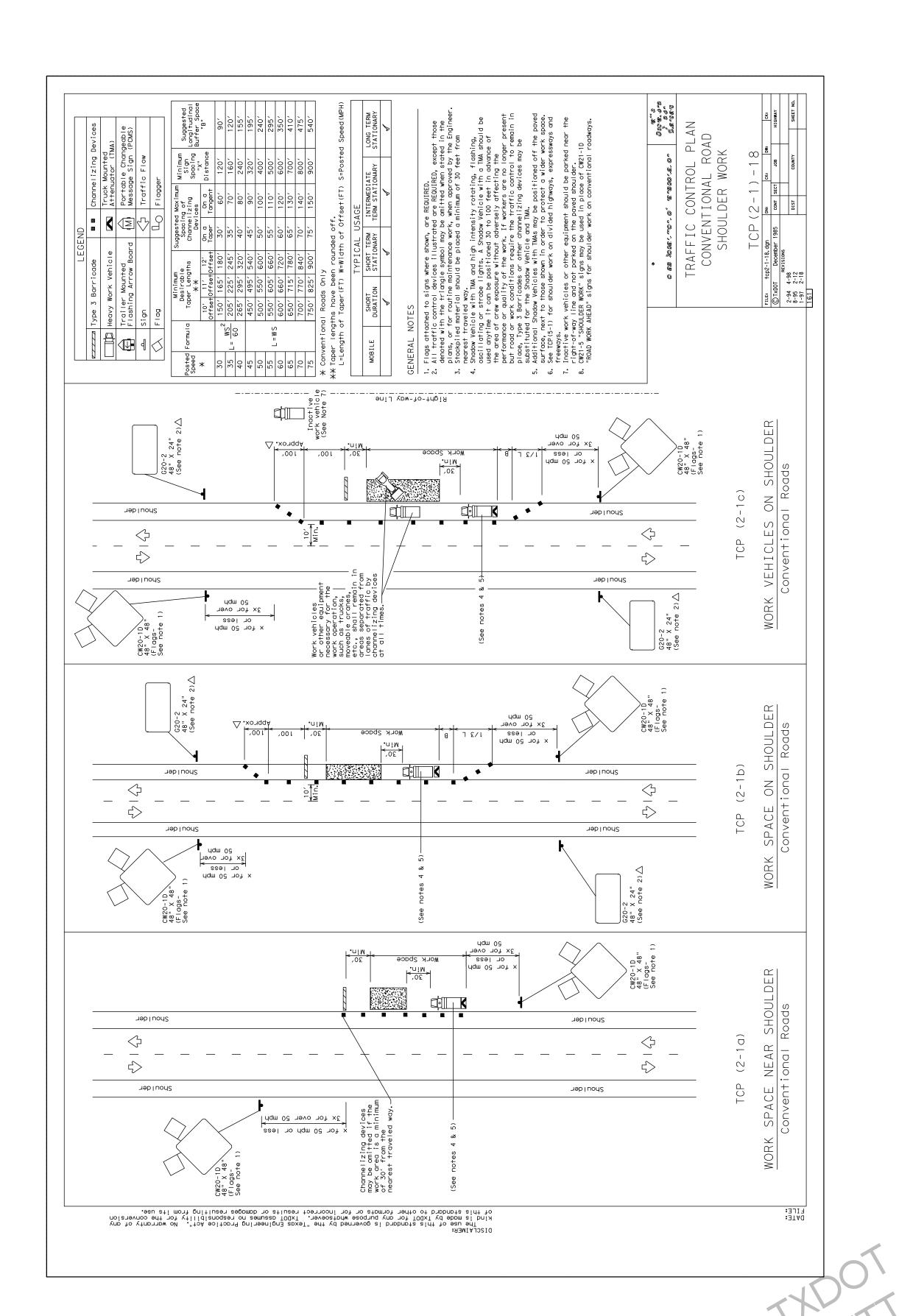
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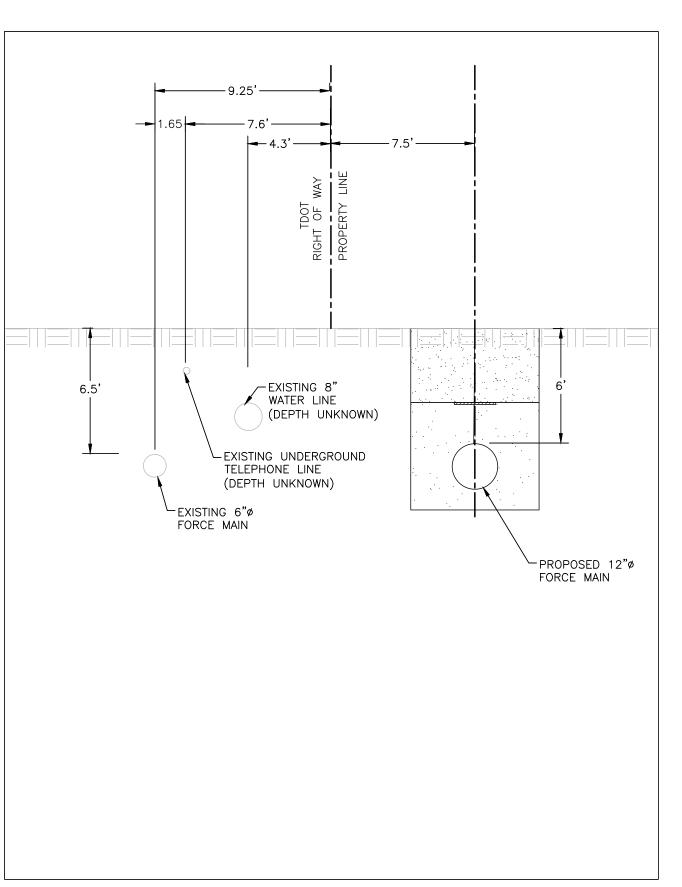
TXDOT SUBMITTAL

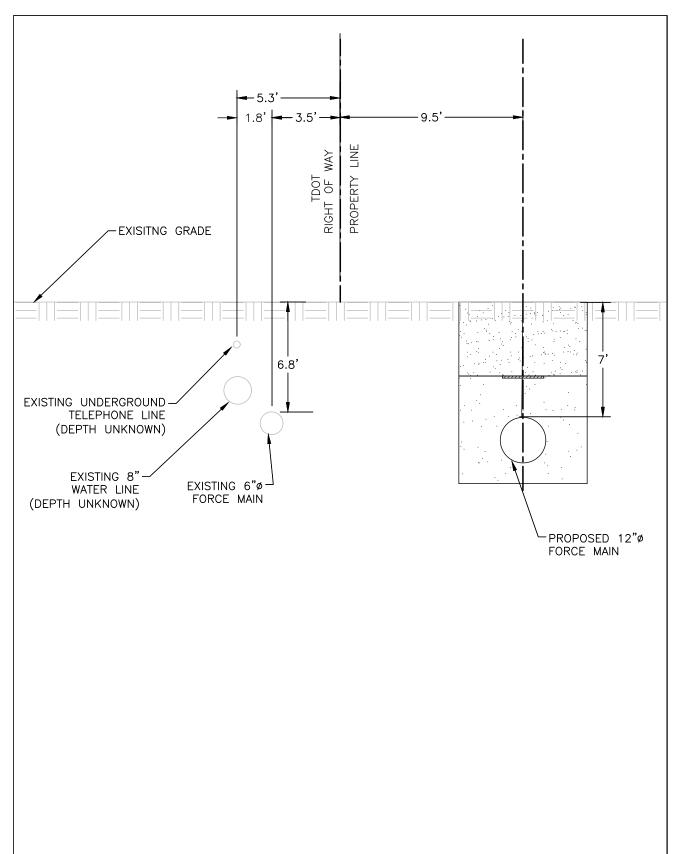
DESCRIPTION

REVISIONS

-10 FORCE MAIN RE-ALIGNMENT CITY OF SEGUIN GUADALUPE COUNTY, TEXAS TXDOT DETAILS IH-10

> SHEET **27**





A SECTION A NOT TO SCALE

B SECTION B NOT TO SCALE

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TYPE OR PRINT NAME IH-10 FORCE MAIN RE-ALIGNMENT CITY OF SEGUIN GUADALUPE COUNTY, TEXAS **CROSS SECTION DETAILS**

SHEET

28





MEMO August 27, 2024

From: Tanya Geiselhofe

Utility Coordinate., San Antonio District

Subject: IH 10, Utility Abandonment Request, City of Seguin

Utility ID: U00013979

Construction CSJ: 0535-01-077

ROW CSJ: 0535-01-081

Highway: IH 10 County: Guadalupe

Limits: US 90A to FM 464

City of Seguin has requested an abandonment of an existing 6" PVC sanitary sewer force main along IH 10 EBFR crossing Reiley Rd. at Sta. 11124+13. This portion will be removed by TxDOT contractors during construction. They are also requesting to abandon a longitudinal portion of existing 6" sanitary sewer force main along IH 10 EBFR from Sta. 11148+86 to Sta. 11152+28. This portion will remain abandoned, and grout filled and will not be removed by the TxDOT contractor. This request has been reviewed and approved by the San Antonio District Maintenance office.

After investigation and analysis of all pertinent information, it is determined the proposed accommodations are compatible with, and does not jeopardize the public's safety, convenience, or investment in the highway facility and/or offers no impediments to the design, construction, operation, or maintenance of the highway facility.

CC: Cynthia Saldana, P.E., Director of Maintenance, San Antonio District Jason Lambert, P.E., Transportation Engineer Supervisor, San Antonio District

CAPITAL PROJECTS/ENGINEERING



CAPITAL PROJECTS/ ENGINEERING

July 26, 2024

Texas Department of Transportation – SAT District c/o Cynthia Saldana, P.E. 4615 NW Loop 410 San Antonio, TX 78229

Re: Abandonment of City of Seguin Force Main Lines within TxDOT ROW

CSJ: 0535-01-077

IH 10 Seguin – From Pioneer Rd to FM 464

Guadalupe County

Dear Ms. Saldana:

The intent of this letter is to request permission for abandonment of existing City of Seguin six-inch sanitary sewer force main sections within the right-of-way (ROW) of Interstate Highway 10 (IH-10) pursuant to Texas Administrative Code (TAC), Title 43, Part 1, Chapter 21, Subchapter C, Rule 21.39. The following abandonments are labeled Item "A" through "B" and are provided on the accompanying exhibit.

Item "A" proposed abandonment is an existing six-inch PVC sanitary sewer force main from IH 10 near STA 1146+83 212' RT to STA 1147+45 180' RT. The line will be temporarily abandoned and filled in place with cement slurry until the TxDOT contractor removes the pipe during highway construction.

Evaluation:

A section of the existing force main along the IH-10 Eastbound Frontage Rd is requested to be abandoned-in-place. The requested section is underneath the Reiley Road existing pavement section.

Pursuant to Texas Administrative Code, Title 43, Part 1, Chapter 21, Subchapter C, Rule 21.39, the following information is provided for your records:

- (i) The GPS coordinates are: 29.565772°, -98.023836° to 29.565939°, -98.023736°.
- (ii) The section being abandoned will be filled with cement slurry as outlined in the TAC code.
- (iii) The section being abandoned is 68 feet of six-inch PVC. The line is considered to be in GOOD condition.
- (iv) The legend is included in the drawings attached to this request.
- (v) This pipe does not contain, nor is it composed of hazardous or contaminated materials.
- (vi) City of Seguin will be responsible for all costs associated with themaintenance or removal of its abandoned or idled lines within TXDOT Right-of-Way.

Item "B" proposed abandonment is an existing six-inch PVC sanitary sewer force main from IH 10 near STA 1171+78 310' RT to STA 1175+22 348' RT. The abandoned line will be filled in place with cement slurry. All other facilities in the exhibit will be removed from the TxDOT ROW.

CAPITAL PROJECTS/ENGINEERING

Texas Department of Transportation – SAT District Page 2 July 26, 2024

Evaluation:

The existing force main along the IH-10 Eastbound Frontage Rd is requested to be abandoned-in-place due to existing utilities in close proximity to the existing force main. The existing utilities include telecommunications and water lines. The utilities in conflict are directly above the existing force main in this section making removal of the existing force main not feasible.

Pursuant to Texas Administrative Code, Title 43, Part 1, Chapter 21, Subchapter C, Rule 21.39, the following information is provided for your records:

- (i) The line varies between 4 feet and 8 feet inside TXDOT ROW when running parallel. Similarly, the line varies between 27 feet and 36 feet from the existing edge of pavement.
- (ii) The GPS coordinates are: 29.569306°, -98.017242° to 29.569717°, -98.016244°.
- (iii) The section being abandoned will be filled with cement slurry as outlined in the TAC code.
- (iv) The section being abandoned is 356 feet of six-inch PVC. The line is considered to be in GOOD condition.
- (v) The legend is included in the drawings attached to this request.
- (vi) This pipe does not contain, nor is it composed of hazardous or contaminated materials.
- (vii) City of Seguin will be responsible for all costs associated with themaintenance or removal of its abandoned or idled lines within TxDOT Right-of-Way.

As a matter or record, the abandoned pipe will be in City of Seguin's records unless at some future time it is removed from the ground. If the City wants to remove the line at a future date, a permit will be submitted to work within TxDOT ROW.

If you should have any questions or comments, do not hesitate to contact me at (830) 401-2337.

Sincerely,

Billy Hornung, P.E.
Billy Hornung, P.E. (Jul 30, 2024 13:48 CDT)

Billy Hornung, P.E. Project Engineer City of Seguin

Cc: Melissa Reynolds, P.E., MPA, CFM, City Engineer Jennifer Shortess, P.E., Assistant City Engineer

Utility Adjustment for TxDOT Project City of Seguin	1	RCSJ:	0535-	01-081			Comparati CLUDING BETTERMEN	ve Estimate	<u> </u>	
IH-10		Utility ID#: UNUMBER:	U000	13979 I/A		O ACTUAL COS	ST .			
The cost estimate items must be sufficiently detailed to provide Tx appropriate units and unit price for each (See Utility Manual, Chap				ould include			Per	cent of Difference		13%
Materials to be purchased by TxDOT - JOINT BID Line Item / Item Description	Unit	Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total		Difference
* Sample Steel item to show (*) indication X Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ - \$ -				\$ - \$ -	\$	
Internally Supplied Materials - documented with C	ertified Le	dger at Pavm		\$ -			SUBTOTAL	\$ -	\$	-
Line Item / Item Description * Sample Steel item to show (*) indication	Unit	Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total	\$	Difference
X Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ -			0.000/	\$ -	\$	-
OVERHEAD (%)		if applicable	SUBTOTAL	\$ - \$ -			0.00% SUBTOTAL	\$ - \$ -	\$	-
Externally Acquired Materials - documented with I Line Item / Item Description	Invoices an Unit	id/or Checks Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total		Difference
				\$ - \$ -				\$ -	\$	-
Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ - \$ -				\$ -	\$	-
		·		\$ -			SUBTOTAL	\$ -	\$	-
* Indicated items are being tracked for BUY AMERICA		SUBTOTAL NCE and will I	•	sing Form 1818		MATERIAL	S SUBTOTAL	\$ -	\$	-
and all supporting documentation prior to installation. X Indicated items are IRON or STEEL, but will not be tracket	d for BUY AM	MERICA							T	
COMPLIANCE due to falling under the DE MINIMUS of \$2 total cost, whichever is greater.			Sum of De Minimus Items	\$0.00				\$0.00		
TxDOT contractor labor - JOINT BID Line Item / Item Description	Unit	Quantity	\$/Unit	Total \$ -	Unit	Quantity	\$/Unit	Total		Difference
Sample Item Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ -			CLIDTOTAL	\$ -	\$	-
Internal Labor Costs - documented with Certified	•	-		\$ -			SUBTOTAL	\$0.00	\$	-
Line Item / Item Description	Unit	Quantity	\$/Unit	Total \$ -	Unit	Quantity	\$/Unit	Total -	\$	Difference -
Select this row and Insert to add rows. Drag to fill form OVERHEAD (%)		top cell. if applicable		\$ - \$ -			0.00%	\$ - \$ -	\$	-
External Labor Costs - documented with Invoices	and / or ch	nocke	SUBTOTAL	\$ -			SUBTOTAL	\$ -	\$	-
Line Item / Item Description	Unit	Quantity	\$/Unit	Total \$ -	Unit	Quantity	\$/Unit	Total -	1 \$	Difference
Mobilization	LS	1	\$84,028.05	\$ 84,028.05	LS	1	\$99,261.30	\$ 99,261.30	\$	15,233.25
Environmental Protection/SWPPP Site Preparation	EA ACRE	0.1	\$5,000.00 \$17,614.15	\$ 5,000.00 \$ 1,761.42	EA ACRE	0.1	\$5,000.00 \$17,614.15	\$ 5,000.00 \$ 1,761.42		-
Barricades, Signs &Traffic Handling	DAY	70		\$ 19,999.70	DAY	70	\$285.71	\$ 19,999.70		-
Trench and Excavation Safety Protection Pressure Test Force Main	LF EA	1941 1		\$ 5,823.00 \$ 6,000.00	LF EA	1941 1	\$3.00 \$6,000.00	\$ 5,823.00 \$ 6,000.00		-
6 inch DR11 HDPE Pipe by Open Cut	LF	1357	\$84.00	\$ 113,988.00	LF	0	\$84.00	\$ -	\$	(113,988.00)
6 inch DR11 HDPE Pipe by HDD	LF	798		\$ 135,660.00	LF	0	\$170.00	\$ -	\$	(135,660.00)
12 inch DR11 HDPE Pipe by Open Cut 12 inch DR11 HDPE Pipe by HDD	LF LF	0		\$ - \$ -	LF LF	1357 798	\$128.00 \$215.00	\$ 173,696.00 \$ 171,570.00		173,696.00 171,570.00
* 12 inch Steel Casing by Open Cut	LF	66	\$180.00		LF	0	\$180.00	\$ -	\$	(11,880.00)
* 24 inch Steel Casing by Open Cut	LF	0		\$ -	LF	66	\$270.00	\$ 17,820.00		17,820.00
Connect to Exist Force Main 2 way Cleanout asmbly W 2" Comb. ARV	EA EA	2	\$6,500.00 \$40,000.00		EA EA	2	\$6,500.00 \$40,000.00	\$ 13,000.00 \$ 80,000.00		-
2" Comb. ARV Assembly	EA	2	\$11,900.00	\$ 23,800.00	EA	2	\$11,900.00			-
By-Pass Pumping	EA	1 504	\$50,000.00		EA	1 504	\$50,000.00			-
RMV Exist 6 inch force main RMV Exist 6 inch force main from bridge	LF LF	584 1026		\$ 16,352.00 \$ 71,820.00	LF LF	584 1026	\$28.00 \$70.00	\$ 16,352.00 \$ 71,820.00		-
Grout fill exist 6 inch aban line	LF	68	\$38.00	\$ 2,584.00	LF	68	\$38.00	\$ 2,584.00	\$	-
Cut, Cap, exist 6" force main to be abandon Repair Asph driveway	LF SO ET	68		\$ 1,999.88 \$ 18,003.60	LF SQ. FT	68	\$29.41 \$16.67	\$ 1,999.88 \$ 18,003.60		-
Revegetation	SQ. FT ACRE	1080 0.34		\$ 18,003.60 \$ 4,080.00	ACRE	1080 0.34				-
				\$ -				\$ -	\$	-
Select this row and Insert to add rows. Drag to fill for	mulas from	top cell		\$ - \$ -				\$ - \$ -	\$	-
The state of the s			SUBTOTAL	\$ 665,779.65			SUBTOTAL	\$ 782,570.90	\$	116,791.25
Engineering Procured by TxDOT - 100% eligibility		SUBTOTAL	. \$	665,779.65				\$ 782,570.90	\$	116,791.25
Line Item / Item Description	required Unit	Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total		Difference
Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ - \$ -				\$ - \$ -	\$	-
Internal Engineering - Costs Documented with Ce	rtified Ledo	ger at payme	SUBTOTAL ent.	\$ -			SUBTOTAL	\$ -	\$	-
Line Item / Item Description	Unit	Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total		Difference
Project Engineer Project Manager	HR HR	52 51		\$ 3,705.00 \$ 3,172.71	HR HR	52 51	\$71.25 \$62.21	\$ 3,705.00 \$ 3,172.71		-
				\$ -	1111		Ψ02.21	\$ -	\$	-
Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ - \$ 6,877.71			SUBTOTAL	\$ - \$ 6,877.71	\$	-
Internal Survey / Landman										
Select this row and Insert to add rows. Drag to fill for	mulas from	top cell.		\$ - \$ -				\$ - \$ -	\$	-
							·			

			SUBTOTAL	\$ -			SUBTOTAL	\$ -	\$ -
Internal Inspection									
Inspector	HR	82	\$45.38	\$ 3,721.16	HR	82	\$45.38	\$ 3,721.16	\$ -
Select this row and Insert to add rows. Drag to fill form	ulas from t	top cell.		\$ -				\$ -	\$ -
			SUBTOTAL	\$ 3,721.16			SUBTOTAL	\$ 3,721.16	\$ -
Internal Administration									
Administrative Assistant	HR	51	\$34.79	\$ 1,774.29	HR	51	\$34.79	\$ 1,774.29	\$ -
Select this row and Insert to add rows. Drag to fill form	ulas from t	top cell.		\$ -				\$ -	\$ -
			SUBTOTAL	\$ 1,774.29			SUBTOTAL	\$ 1,774.29	\$ -
Internal Engineering/ Survey/ Inspection/ Administrate									
OVERHEAD (%)	Enter %	if applicable	0.00%	\$ -			0.00%	\$ -	\$ -
			SUBTOTAL	\$ 12,373.16				\$ 12,373.16	\$ -
External Engineering - Cost documented with INVO	ICES and	/ or CHECKS							
Line Item / Item Description	Unit	Quantity	\$/Unit	Total	Unit	Quantity	\$/Unit	Total	Difference
				\$ -				\$ -	\$ -
Professional Level 12	HR	20	\$197.00	\$ 3,940.00	HR	20	\$197.00	\$ 3,940.00	\$ -
Professional Level 11	HR	195	\$185.00	\$ 36,075.00	HR	195	\$185.00	\$ 36,075.00	\$ -
Professional Level 9	HR	120	\$170.00	\$ 20,400.00	HR	120	\$170.00	\$ 20,400.00	\$ -
Professional Level 8	HR	14	\$165.00	\$ 2,310.00	HR	14	\$165.00	\$ 2,310.00	\$ -
Professional Level 7	HR	57	\$160.00	\$ 9,120.00	HR	57	\$160.00	\$ 9,120.00	\$ -
Professional Level 5	HR	225	\$144.00	\$ 32,400.00	HR	225	\$144.00	\$ 32,400.00	\$ -
Professional Level 3	HR	3	\$125.00	\$ 375.00	HR	3	\$125.00	\$ 375.00	\$ -
Professional Level 2	HR	758	\$115.00	\$ 87,170.00	HR	758	\$115.00	\$ 87,170.00	\$ -
Professional Level 1	HR	56	\$105.00	\$ 5,880.00	HR	56	\$105.00	\$ 5,880.00	\$ -
Administrative 2	HR	4	\$68.00	\$ 272.00	HR	4	\$68.00	\$ 272.00	\$ -
Natural Resources and Cultural Resources	EA	1	\$8,492.00	\$ 8,492.00	EA	1	\$8,492.00	\$ 8,492.00	\$ -
Geotechnical Engineering Services	EA	1	\$15,065.00	\$ 15,065.00	EA	1	\$15,065.00	\$ 15,065.00	\$ -
Company Vehicle	DAY	24	\$95.00	\$ 2,280.00	DAY	24	\$95.00	\$ 2,280.00	\$ -
				\$ -				\$ -	\$ -
Select this row and Insert to add rows. Drag to fill form	ulas from t			\$ -				\$ -	\$ -
			SUBTOTAL	\$ 223,779.00			SUBTOTAL	\$ 223,779.00	\$ -
External Survey/ Landman									
				\$ -				\$ -	\$ -
Technical Level 5	HR	62	\$105.00	\$ 6,510.00	HR	62	\$105.00	\$ 6,510.00	\$ -
Technical Level 2	HR	80	\$78.00	\$ 6,240.00	HR	80	\$78.00	\$ 6,240.00	\$ -
Survey Equipment	EA	1	\$400.00	\$ 400.00	EA	1	\$400.00	\$ 400.00	\$ -
Select this row and Insert to add rows. Drag to fill form	ulas from t	top cell.		\$ -				\$ -	\$ -

Select this row and Insert to add rows. Drag to fill formulas from top cell. S	SUBTOTAL	\$ 13,150.00		SUBTOTAL \$	13,150.00	\$ -
Select this row and insert to add rows. Drag to fill formulas from top cell. S	External Inspection	•		<u>-</u>		
SUBTOTAL S		\$ -		7	-	\$ -
Existing Easement Compensation - following Quit Claim / Eligibility Ratio not applied. Line Item / Item Description Unit Quantity \$'Unit Quan		\$ -		7	-	
Existing Easement Compensation - following Quit Claim / Eligibility Ratio not applied. Unit Quantity \$/Unit Total S				SUBTOTAL \$	-	
Line Item / Item Description Unit Quantity \$/Unit Total Select this row and Insert to add rows. Drag to fill formulas from top cell. Select this row and Insert to add rows. Drag to fill formulas from top cell. SubTOTAL \$	Engineering / Administration / Inspection SUBTOTAL	\$ 249,302.16		\$	249,302.16	\$ -
Select this row and Insert to add rows. Drag to fill formulas from top cell. Subtotal Subtota						
Select this row and Insert to add rows. Drag to fill formulas from top cell. \$	Line Item / Item Description Unit Quantity \$/Unit		Unit Quantity		Total	
SUBTOTAL \$ -	Select this row and Insert to add rows. Drog to fill formulae from top cell	T		\$	-	
Replacement Easement Compensation - following Quit Claim / Eligibility Ratio is applied. PM must concur with rate. Documentation of actual cost must be supplied at billing. \$.		T		SUBTOTAL \$	-	
PM must concur with rate. Documentation of actual cost must be supplied at billing. Select this row and Insert to add rows. Drag to fill formulas from top cell. \$ -				COBICIAL Q		Ψ -
Select this row and Insert to add rows. Drag to fill formulas from top cell. SUBTOTAL S						
SUMMARY: TOTAL PROJECT COST \$ 915,081.81 \$ 1,031,873.06 \$ 116,791.25		\$ -		\$	-	
SUMMARY:		\$ -		\$	-	\$ -
SUMMARY: TOTAL PROJECT COST \$ 915,081.81 \$ 1,031,873.06 \$ 116,791.25 Amount Payable in TxDOT Contract (Joint Bid) \$ - \$ - \$ - \$ - Utility Cost \$ 915,081.81 \$ 1,031,873.06 \$ 116,791.25 \$ - General & Administrative OH 0.00% \$ -		\$ -		SUBTOTAL \$	-	\$ -
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Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH Gross Reimbursable to the Utility Amount Due to TxDOT Via an Advance Funding Agreement SALVAGE and/or Depreciation CREDIT BETTERMENT RATIO Ratio Deduction Amount reimbursable after Betterment and Salvage Credit NET REIMBURSEMENT TO UTILITY Percent of Differences \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$						
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General & Administrative OH 0.00% \$ - G&A 0.00% \$ 1,031,873.06 \$ 116,791.25 \$ 1,031,873.06 \$ 116,791.25 \$ 1,031,873.06 \$ 116,791.25 \$ 1,031,873.06 \$ 116,808.03 \$				\$	1,031,873.06	
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Amount Due to TxDOT Via an Advance Funding Agreement \$ - \$ \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount Payable in TxDOT Contract (Joint Bid)	\$ -		\$ \$ \$	-	\$ -
SALVAGE and/or Depreciation CREDIT SALVAGE and/or Depreciation CREDIT \$	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost	\$ -	G&A 0.00%	\$ \$ \$ \$	-	\$ - \$ 116,791.25
SALVAGE and/or Depreciation CREDIT SALVAGE and/or Depreciation CREDIT \$	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH 0.00%	\$ - \$ 915,081.81 \$ -	G&A 0.00%	\$ \$ \$ \$	1,031,873.06	\$ - \$ 116,791.25 \$ -
BETTERMENT RATIO	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH Gross Reimbursable to the Utility	\$ - \$ 915,081.81 \$ - \$ 915,081.81	G&A 0.00%	\$ \$ \$ \$	1,031,873.06	\$ - \$ 116,791.25 \$ - \$ 116,791.25
Amount reimbursable after Betterment and Salvage Credit \$ 915,081.81 \$ 915,065.03 \$ (16.78) \$ ELIGIBILITY RATIO 100.00% ER 100.00% ER 100.00% \$ 915,065.03 \$ (16.78) \$ Percent of Difference 13%	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH 0.00% Gross Reimbursable to the Utility Amount Due to TxDOT Via an Advance Funding Agreement	\$ - \$ 915,081.81 \$ - \$ 915,081.81	G&A 0.00%	\$ \$ \$ \$ \$	1,031,873.06	\$ - \$ 116,791.25 \$ - \$ 116,791.25
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NET REIMBURSEMENT TO UTILITY \$ 915,081.81 \$ 915,065.03 \$ (16.78) Percent of Difference= 13%	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH Gross Reimbursable to the Utility Amount Due to TxDOT Via an Advance Funding Agreement SALVAGE and/or Depreciation CREDIT BETTERMENT RATIO Ratio Deduction	\$ - 915,081.81 \$ 915,081.81 \$ - 915,081.81 \$ -		\$ \$ \$ \$ \$	1,031,873.06 - 1,031,873.06 - 116,808.03	\$ -116,791.25 \$ - \$ 116,791.25 \$ - \$ - \$ 116,808.03
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	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH 0.00% Gross Reimbursable to the Utility Amount Due to TxDOT Via an Advance Funding Agreement SALVAGE and/or Depreciation CREDIT BETTERMENT RATIO Ratio Deduction Amount reimbursable after Betterment and Salvage Credit ELIGIBILITY RATIO 100.00%	\$ 915,081.81 \$ 915,081.81 \$ - \$ 915,081.81 \$ - \$ 915,081.81	BR 11.32%	\$ \$ \$ \$ \$ \$	1,031,873.06 - 1,031,873.06 - - 116,808.03 915,065.03	\$ - \$ 116,791.25 \$ - \$ 116,791.25 \$ - \$ - \$ 116,808.03 \$ (16.78)
version 3.0	Amount Payable in TxDOT Contract (Joint Bid) Utility Cost General & Administrative OH 0.00% Gross Reimbursable to the Utility Amount Due to TxDOT Via an Advance Funding Agreement SALVAGE and/or Depreciation CREDIT BETTERMENT RATIO Ratio Deduction Amount reimbursable after Betterment and Salvage Credit ELIGIBILITY RATIO 100.00%	\$ 915,081.81 \$ 915,081.81 \$ - \$ 915,081.81 \$ - \$ 915,081.81	BR 11.32% ER 100.00%	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- 1,031,873.06 - 1,031,873.06 - - 116,808.03 915,065.03	\$ - \$ 116,791.25 \$ - \$ 116,791.25 \$ - \$ - \$ 116,808.03 \$ (16.78)

Attachment "B" Accounting Method

\boxtimes	Actual Cost Method of Accounting
	The utility accumulates cost under a work order accounting procedure prescribed by the Federal or State regulatory body and proposes to request reimbursement for actual direct and related indirect costs.
	Lump Sum Method of Accounting
	The Utility proposed to request reimbursement based on an agreed lump sum amount supported by a detailed cost analysis.

Attachment "C" Schedule of Work

Estimated Start Date (mm/dd/yyyy): 07/30/2025, subject to physical work restrictions prior to the issuance of environmental clearance as required by the provisions of this agreement. (If construction will be joint bid and included in the highway contract, enter the project let date.)

Estimated Duration (number of days): 180

Estimated Completion Date (mm/dd/yyyy): 01/29/2026

Initial	Date	Initial	Date
	TxDOT	Utilit	у

Attachment "D" Statement Covering Contract Work

	Construction Contract: Complete form ROW-U-48 and ROW-U-48-1 if applicable.	
	Utility performing with their own forces (timesheets will be required at the time of billing).	
	Utility will use outside forces to perform the adjustment, complete attached ROW-U-48 or ROW-U-48-1 (joint bid).	
	Engineering Contract:	
	Utility performing with their own forces (timesheets will be required at the time of billing).	
	Utility will use consultant contract (continuing contract rate sheets or fee schedule will be required).	
	TxDOT will procure a utility engineering consultant.	
Initia	n Date Initial Date	
Initia	al Date Initial Date TxDOT Utility	



STATEMENT COVERING UTILITY CONSTRUCTION CONTRACT WORK (AS APPEARING IN ESTIMATE)

Form ROW-U-48 (Rev. 10/20) Page 1 of 1

		U-Number: <u>N/A</u>	Utility ID: <u>U00013979</u>
ROW CSJ Number: <u>0535-01-081</u>		Number: <u>0535-01-081</u>	District: San Antonio
County: Guadalupe			Highway No.:
Fed	eral P	Project No.:	
l, <u>s</u>	steve	Parker	, a duly authorized and qualified representative of
City	of Se	guin	, hereinafter referred to as Owner , am fully cognizant of the
		make the following statements in respect to wo to which this statement is attached.	ork which will or may be done on a contract basis as it appears in the
			ntract this adjustment, or Owner is not adequately staffed or equipped in forces to the extent as indicated on the estimate.
		Procedure to	be Used in Contracting Work
V	A.		rugh open advertising and contract is to be awarded to the lowest informity with the requirements and specifications for the work to be provided to the State .
contrac with th		contractors and such contract is to be awarded	irculating to a list of pre-qualified contractors or known qualified d to the lowest qualified bidder who submits a proposal in conformity ne work to be performed. Associated bid tabulations will be provided to re listed below:
		1. 2. 3. 4. 5.	
	C.	for Owner and under which the lowest availab available to the State for review at a location n	continuing contract under which certain work is regularly performed ble costs are developed. The existing continuing contract will be made mutually acceptable to the Owner and the State . If only part of the contract, give detailed information by attachment hereto.
	D.	is attached to the estimate in order to obtain the	regoing requirements and therefore evidence in support of its proposal he concurrence of the State , and the Federal Highway Administration king action thereon (approval of the agreement shall be considered as
	E.	awarded by the State . In the best interest of both the plans and specifications for this work in the in this area, so that the work can be coordinated contract is to be awarded by the State to the local part of the local par	ed with the other construction operations; and the construction owest qualified bidder who submits a proposal in conformity with the o be performed. If this option is chosen, attach form ROW-U-48-1, the
Sigi	nature	е	 Date
		nager	
Title	=		

Attachment "E" Utility Joint Use Agreement – (ROW-U-JUA) and/or RULIS Permit

Utility Joint Use Agreement (ROW–U–JUA) Plans with joint use area highlighted are included.
RULIS Permit Number: The utility should obtain an approved permit before the start of construction inside of the highway right of way.
Quitclaim will be submitted at the Final Billing

Initial Date Initial Date TxDOT Utility

Attachment "F" Eligibility Ratio

Eligibility Ratio established: 100 %

	Non-interstate Highway (Calculations attached)
\boxtimes	Interstate Highway
	Toll Road
	SP2125 Approved Application (100%) Minute Order #:
	Master Utility Agreement

ROW Utility Manual Chapter 8, Section 2

In developing the ratio, line length or number of poles is restricted to facilities located within the existing and proposed highway right of way. Facilities located outside the existing and proposed right of way limits will not be used in developing the ratio.

Please see example of eligibility ratio calculations below.

Plan Sheet or Page#	In Easement (Eligible) Existing # of Poles or LF	In Public ROW (Ineligible) Existing a of Poles or LE
1	0	0
2	84	385
4	233	96
Totals		503

Total Existing # pr Poles or LF (Eligible)	412
Tota Fasting # of Poles or LF (Ineligible)	503
Total xisting # of Poles or LF	915
Total Existing # of Poles or LF (Eligible) divided by the Total Existing # of Poles or LF	45.03%

Initial	Date	Initial	Date
	TxDOT	Utilit	у

Attachment "G" Betterment Calculation and Estimate

Elective Betterment Ratio established: 11.32 % Calculation is attached and the justification is included below A betterment and an in-kind estimate are included
Forced Betterment To comply with regulated industry standards, laws, and regulations. (Supporting documentation required) To comply with published current design practice followed by the utility in its own work. (Supporting documentation required) Due to proposed roadway design. (Provide explanation below)
Not Applicable

A statement explaining Elective and/or Forced Betterment:

The City of Seguin is electing to upsize the sanitary sewer force main from 6" to 12" HDPE pipe for approximately 2,154 linear feet, from IH 10 STA 1145+74 to STA 1158+04.

Initial	Date	Initial	Date
	TxDOT		Utility

BETTERMENT RATIO CALCULATO	R	
Two estimates are required to calculate betterment. One with, and one without betterment. Please attach both estimates.		
The total estimated cost of the project INCLUDING BETTERMENT	\$1,031,873.06	
The total estimated cost of the project NOT including BETTERMENT	\$915,081.81	
THE AMOUNT OF BETTERMENT	\$116,791.25	
The BETTERMENT RATIO IS:	11.32%	

Attachment "H" Proof of Property Interest

Proof of Property Interest
☐ Supporting documentation of compensable property interest that establishes reimbursement eligibility as referenced in Texas Transportation Code §203.092.
☐ Property interest documented through applicable affidavits and required attachments.
☐ ROW-U-Affidavit
☑ The roadway improvement project is designated as an Interstate Highway project; therefore, no supporting documentation of compensable interest is required. Supporting documentation for existing easements is required for easement replacement.
☐ Toll Road (Supporting documentation of compensable property interest required if more than 50% eligibility ratio is applied)
☐ SP2125
☐ Master Utility Agreement

Initial	Date	Initial	Date
	TxDOT	Utility	/