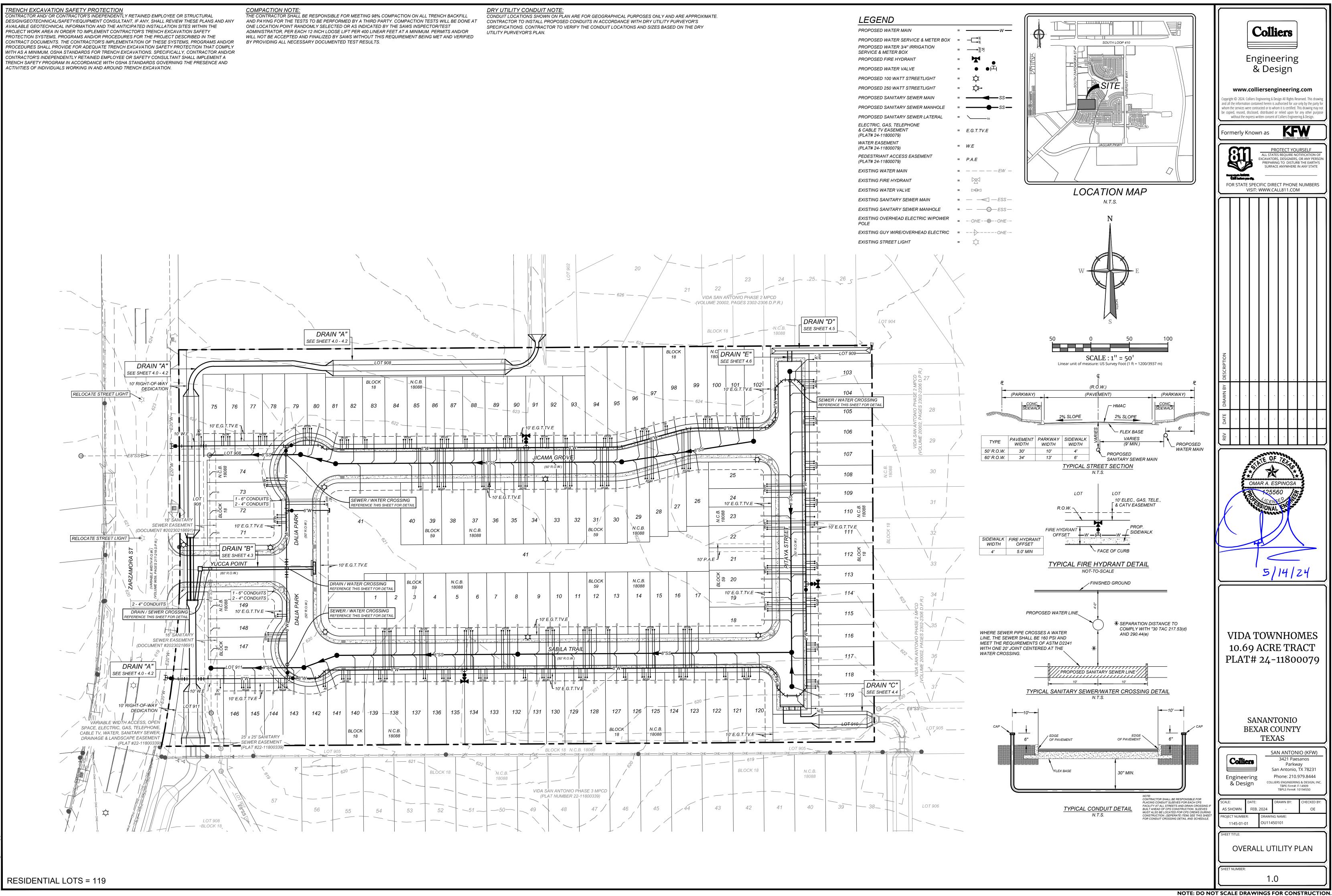
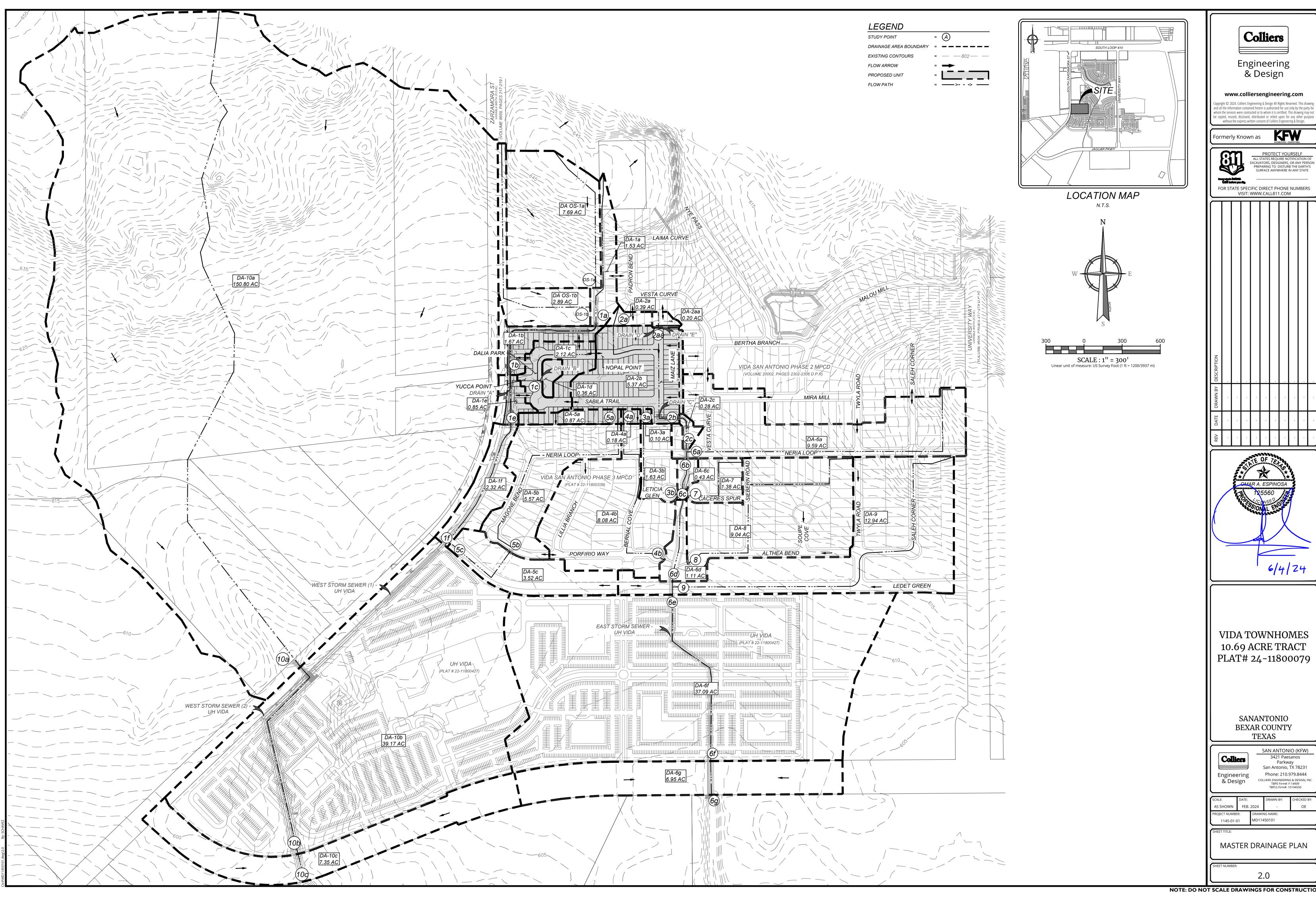
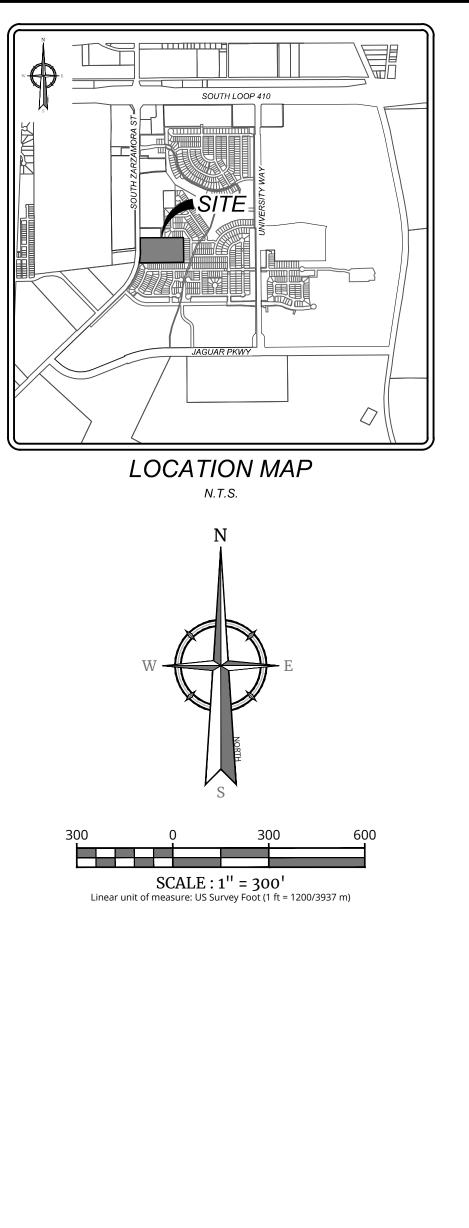


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		Formerly Known as
		PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF
		ALL STATES REQUIRE NOT INCATION ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Sheet List Table		VISIT: WWW.CALL811.COM
Sheet Title	Sheet Number	
COVER SHEET	0.0	
OVERALL UTILITY PLAN	1.0	
MASTER DRAINAGE PLAN	2.0	
OVERALL GRADING PLAN	3.0	
DRAIN "A" PLAN & PROFILE (1 OF 3)	4.0	
DRAIN "A" PLAN & PROFILE (2 OF 3)	4.1	
DRAIN "A" PLAN & PROFILE (3 OF 3)	4.2	
DRAIN "B" PLAN & PROFILE	4.3	
DRAIN "C" PLAN & PROFILE	4.4	
DRAIN "D" PLAN & PROFILE	4.5	DESCRIPTION
DRAIN "E' & "F" PLAN & PROFILE DRAIN DETAILS (1 OF 3)	<u>4.6</u> <u>4.7</u> — –	B B B B D B B B C B C B C B C C B C C B C C C C
$\frac{DRAIN DETAILS (1 OF 3)}{DRAIN DETAILS (2 OF 3)} =$	<u>4.7</u> <u>4.8</u>	DRAW M M M M M M M M M M M M M M M M M M M
$\frac{DRAINDETAILS(2 OF 3)}{DRAINDETAILS(3 OF 3)} =$	4.0	
YUCCA POINT & PITAYA STREET PLAN & PROFILE	<u> </u>	REV DATE
SABILA TRAIL & DALIA PARK PLAN & PROFILE (1 OF 2)	5.1	C C C C C C C C C C C C C C C C C C C
DALIA PARK & JICAMA GROVE PLAN & PROFILE (2 OF 2)	5.2	OMAR A. ESPINOSA
TYPICAL STREET DETAILS	5.3	125560
CONCRETE DRIVEWAY DETAILS	<u>5.4</u> <u>5.5</u>	TO ONAL FLOO
TRAFIC SIGNAGE & PEDESTRIAN		
ACCESSIBILITY PLAN	5.6	
TRAFIC SIGNAGE & PEDESTRIAN		
ACCESSIBILITY DETAILS		6(6/24
LEFT TURN STRIPING PLAN	5.8	
STRIPING DETAILS	5.9	
SANITARY SEWER COVER SHEET	<u>6.0</u> <u>6 1</u>	
OVERALL SANITARY SEWER PLAN	<u>6.1</u> <u>6.2</u>	
LINE A PLAN & PROFILE	<u> </u>	VIDA TOWNHOMES
LINE "C" PLAN & PROFILE	<u> </u>	10.69 ACRE TRACT
EXISTING LINE PLAN & PROFILE	6.5	PLAT# 24-11800079
WATER DISTRIBUTION COVER SHEET	7.0	
WATER DISTRIBUTION PLAN	<u> </u>	
STORMWATER POLLUTION PREVENTION		
	8.0	
PLAN STORMWATER POLILITION PREVENTION	8.0	SANANTONIO
PLAN STORMWATER POLLUTION PREVENTION PLAN DETAILS		SANANTONIO BEXAR COUNTY TEXAS
STORMWATER POLLUTION PREVENTION	8.0	BEXAR COUNTY TEXAS
STORMWATER POLLUTION PREVENTION	8.0	BEXAR COUNTY TEXAS SAN ANTONIO (KFW) 3421 Paesanos Parkway San Antonio, TX 78231 Phone: 210.979.8444 COLLIERS ENGINEERING & DESIGN, INC. TBPE Firm#: F-14909
STORMWATER POLLUTION PREVENTION	8.0	BEXAR COUNTY TEXAS SAN ANTONIO (KFW) 3421 Paesanos Parkway San Antonio, TX 78231 Phone: 210.979.8444 COLLIERS ENGINEERING & DESIGN, INC.
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STORMWATER POLLUTION PREVENTION	8.0	BEXAR COUNTY TEXAS SAN ANTONIO (KFW) S421 Paesanos Parkway San Antonio, TX 78231 Phone: 210.979.8444 Colliers Engineering & Design Scale: DATE: AS SHOWN FEB. 2024 PROJECT NUMBER: DRAWING NAME:
STORMWATER POLLUTION PREVENTION	8.0	BEXAR COUNTY TEXAS SAN ANTONIO (KFW) S421 Paesanos Parkway San Antonio, TX 78231 Brgineering & Design SCALE: AS SHOWN FEB. 2024 PROJECT NUMBER: 1145-01-01 Chertrick SHEET TITLE:

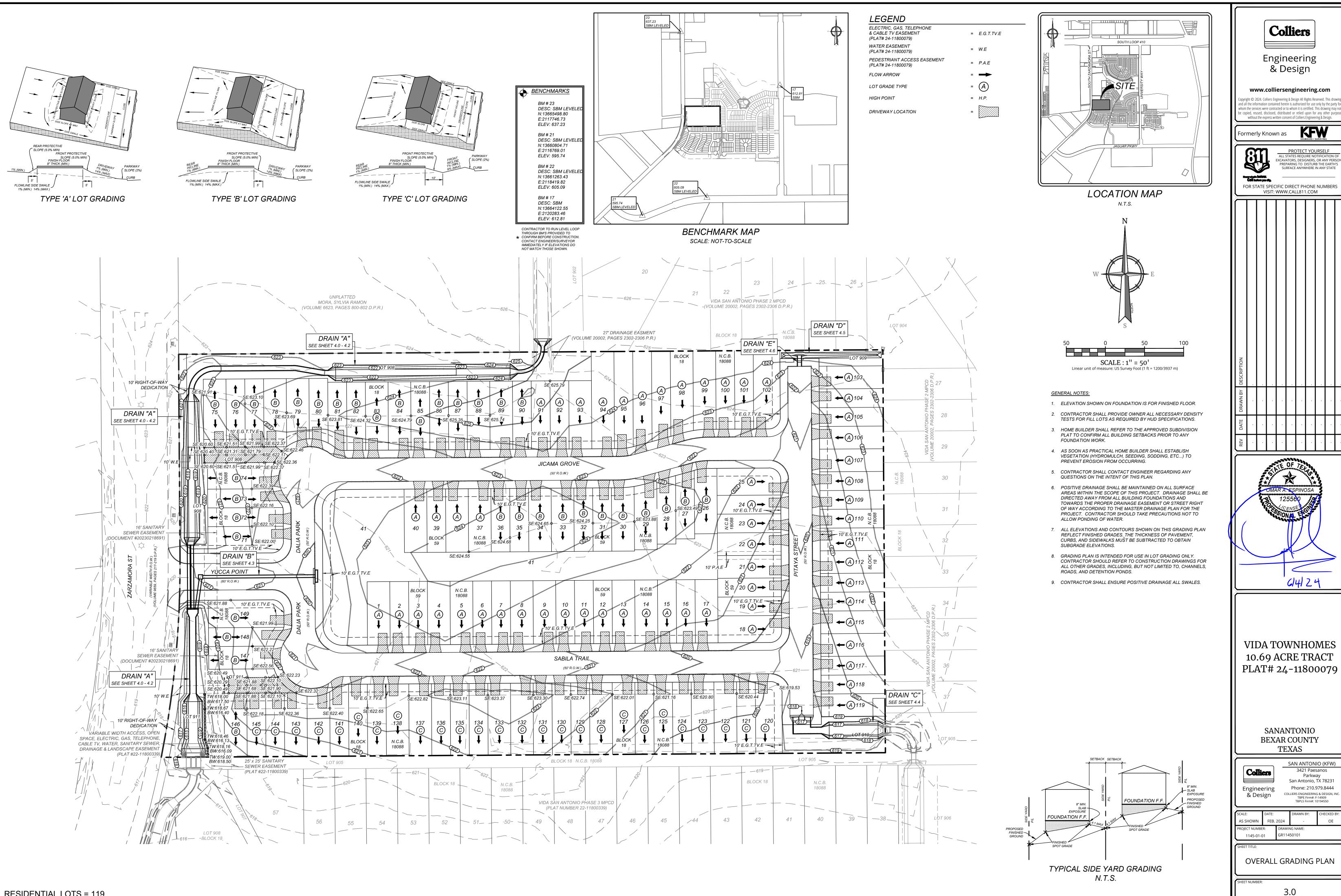


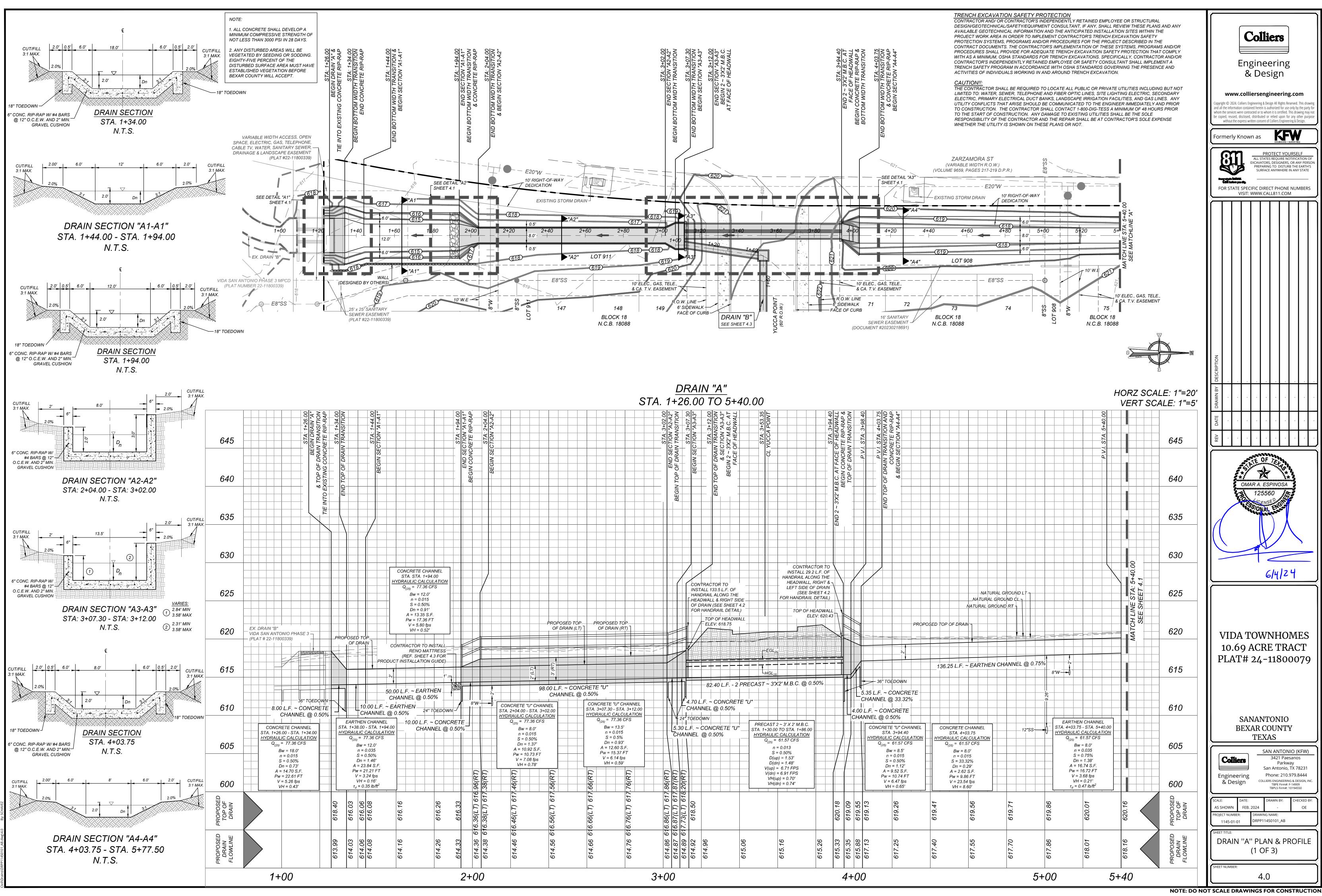


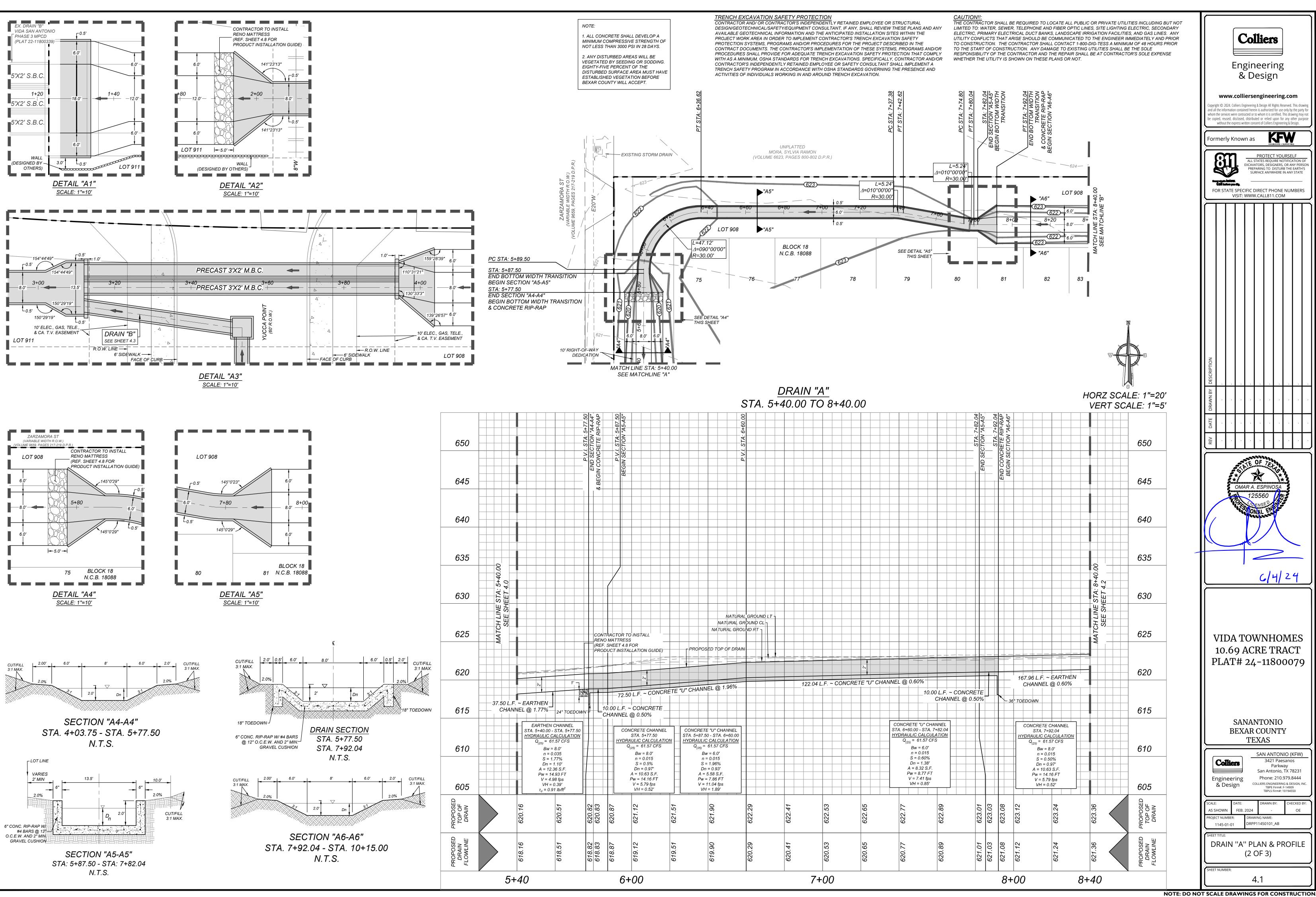
					Ultim	ate Conditi	ons						
STUDY POINT	AREA	(Acres)	С	T _{ovrl} (min)	T _{sc} (min)	T _{ch} (min)	T _{tot} (min)	I 5 (in/hr)	I 25 (in/hr)	I 100 (in/hr)	Q_5 (ft ³ /s)	$Q_{25}(ft^{3}/s)$	$Q_{100} (ft^3/s)$
												•	
OS-1a	DA OS-1a	7.69	0.49	8.00	0.00	2.00	10	6.24	8.76	10.95	23.51	33.01	41.26
OS-1b	DA OS-1b	2.89	0.96	5.00	0.00	3.00	8	6.75	9.48	11.85	18.73	26.30	32.88
	DA-1a	1.53	0.77										
1a	PT.OS-1a + PT.OS-1b + DA-1a	12.11	0.64	12.00	1.00	2.00	15	5.24	7.24	9.03	40.46	55.90	69.72
	DA-1b	1.71	0.81										
1b	PT.1a + DA-1b	13.82	0.66	15.00	0.00	2.00	17	4.91	6.76	8.42	44.72	61.57	76.69
	DA-1c	2.12	0.77										
	DA-1d	0.36	0.96										
1c	DA-1c + DA-1d	2.48	0.80	5.00	0.00	1.00	6	7.40	10.36	12.96	14.64	20.49	25.63
	DA-1e	0.85	0.83										
1e	PT.1b + PT.1c + DA-1e	17.15	0.69	17.00	0.00	1.00	18	4.76	6.56	8.16	56.14	77.36	96.23
	DA-1f	2.32	0.84										
1f	PT.1e + PT.5c + DA-1f	29.43	0.74	18.00	0.00	2.00	20	4.51	6.21	7.71	97.80	134.67	167.20
2a	DA-2a	0.39	0.77	7.00	1.00	0.00	8	6.75	9.48	11.85	2.03	2.85	3.56
2aa	DA-1aa	0.20	0.77	7.00	0.00	0.00	7	7.05	9.89	12.37	1.09	1.52	1.90
	DA-2b	5.37	0.77										
2b	PT-2a + PT-2aa + DA-2b	5.96	0.77	8.00	0.00	2.00	10	6.24	8.76	10.95	28.64	40.20	50.25
	DA-2c	0.28	0.77										
2c	PT.2b + DA-2c	6.24	0.77	10.00	0.00	1.00	11	6.02	8.43	10.54	28.92	40.50	50.64
3a	DA-3a	0.10	0.77	7.00	1.00	0.00	8	6.75	9.48	11.85	0.52	0.73	0.91
	DA-3b	1.63	0.77										
3b	DA-3a + DA-3b	1.73	0.77	8.00	0.00	1.00	9	6.48	9.11	11.38	8.63	12.14	15.16
4a	DA-4a	0.18	0.77	7.00	1.00	0.00	8	6.75	9.48	11.85	0.94	1.31	1.64
	DA-4b	8.08	0.77						0.40	40.54		50.00	67.04
4b	DA-4a + DA-4b	8.26	0.77	8.00	0.00	3.00	11	6.02	8.43	10.54	38.29	53.62	67.04
5a	DA-5a	0.87	0.77	7.00	1.00	0.00	8	6.75	9.48	11.85	4.52	6.35	7.94
	DA-5b	5.57	0.77	0.00	0.00	2.00		<u> </u>	0.42	10 5 4	20.05	44.00	F2 27
5b	DA-5a + DA-5b	6.44	0.77	8.00	0.00	3.00	11	6.02	8.43	10.54	29.85	41.80	52.27
	DA-5c	3.52	0.85	11.00	0.00	1.00	10	F 04	0.42	10.1.1	46.40		00.50
5c	PT.5b + DA-5c	9.96	0.80	11.00	0.00	1.00	12	5.81	8.12	10.14	46.18	64.54	80.59
6a Ch	DA-6a	9.59	0.77	7.00	1.00	5.00	13	5.61	7.82	9.76	41.43	57.75	72.07
6b 7	PT.2c + PT.6a	15.83	0.77	7.00	1.00	5.00	13	5.61	7.82	9.76	68.38	95.32	118.97
/	DA-7	1.38	0.77	7.00	1.00	1.00	9	6.48	9.11	11.38	6.89	9.68	12.09
		0.43	0.77	12.00	0.00	1.00	14	E 10	7 5 2	0.20	90.94	112.21	140.05
6c	PT.3b + PT.6b + PT.7 + DA-6c	19.37	0.77	13.00	0.00	1.00	14	5.42	7.53	9.39	80.84	112.31	140.05
8	DA-8 DA-6d	9.04	0.77	7.00	1.00	3.00	11	6.02	8.43	10.54	41.90	58.68	73.37
		1.11		14.00	0.00	1.00	15	E 21	7.24	0.02	152 /2	210.62	262.60
6d 9	PT.4b + PT.6c + PT.8 + DA-6d DA-9	37.78 12.94	0.77	14.00 7.00	0.00	1.00 5.00	15 13	5.24 5.61	7.24	9.03 9.76	152.43 58.80	210.62 81.96	262.69 102.30
96e	PT.6d + PT9	50.72	0.81	15.00	0.00	0.00	15	5.81	7.82	9.76	207.69	286.96	357.91
	DA-6f	37.09	0.78	10.00	0.00			J.24	/.24	9.03	207.03	200.30	
6f	PT.6e + DA-6f	87.81	0.93	15.00	0.00	3.00	18	4.76	6.56	8.16	356.39	491.16	610.95
	DA-6g	6.95	0.85	10.00	0.00	5.00		4.70	0.50	0.10	550.55	+91.10	010.33
6g	PT.6f + DA-6g	94.76	0.96	18.00	0.00	1.00	19	4.63	6.37	7.93	377.55	519.43	646.64
og 10a		J4.70	0.00		S METHOD	1 1.00		4.03	0.37	1.55	472.89	787.84	1124.28
10a 10b					S METHOD						647.36	1071.90	1525.75
100 10c					S METHOD						671.32	1109.65	1578.36

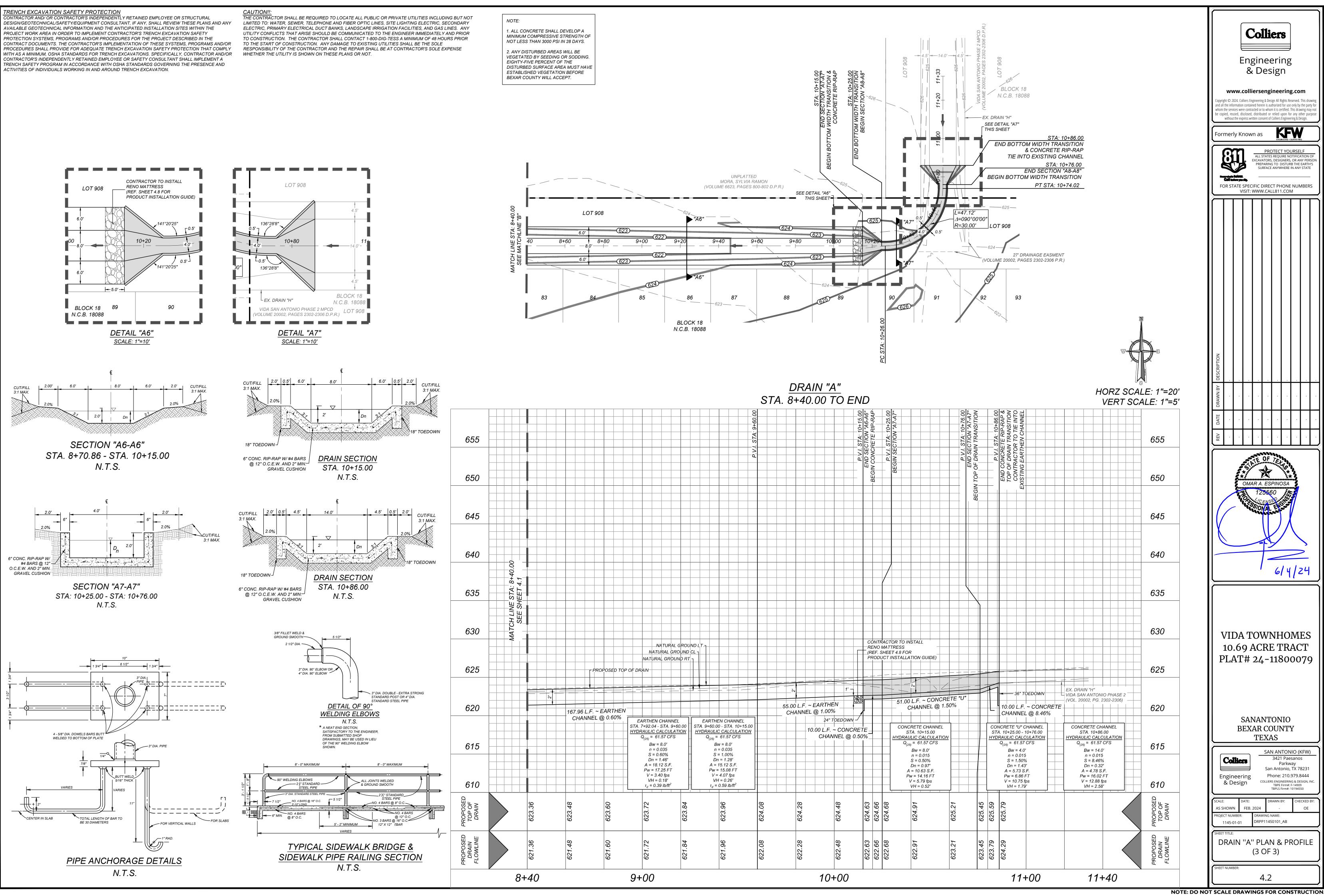


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VIDA TOWNHOMES 10.69 ACRE TRACT PLAT# 24-11800079 SANANTONIO BEXAR COUNTY TEXAS										
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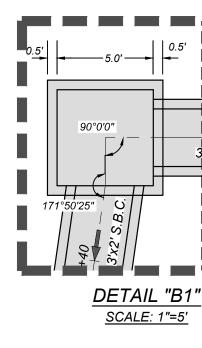


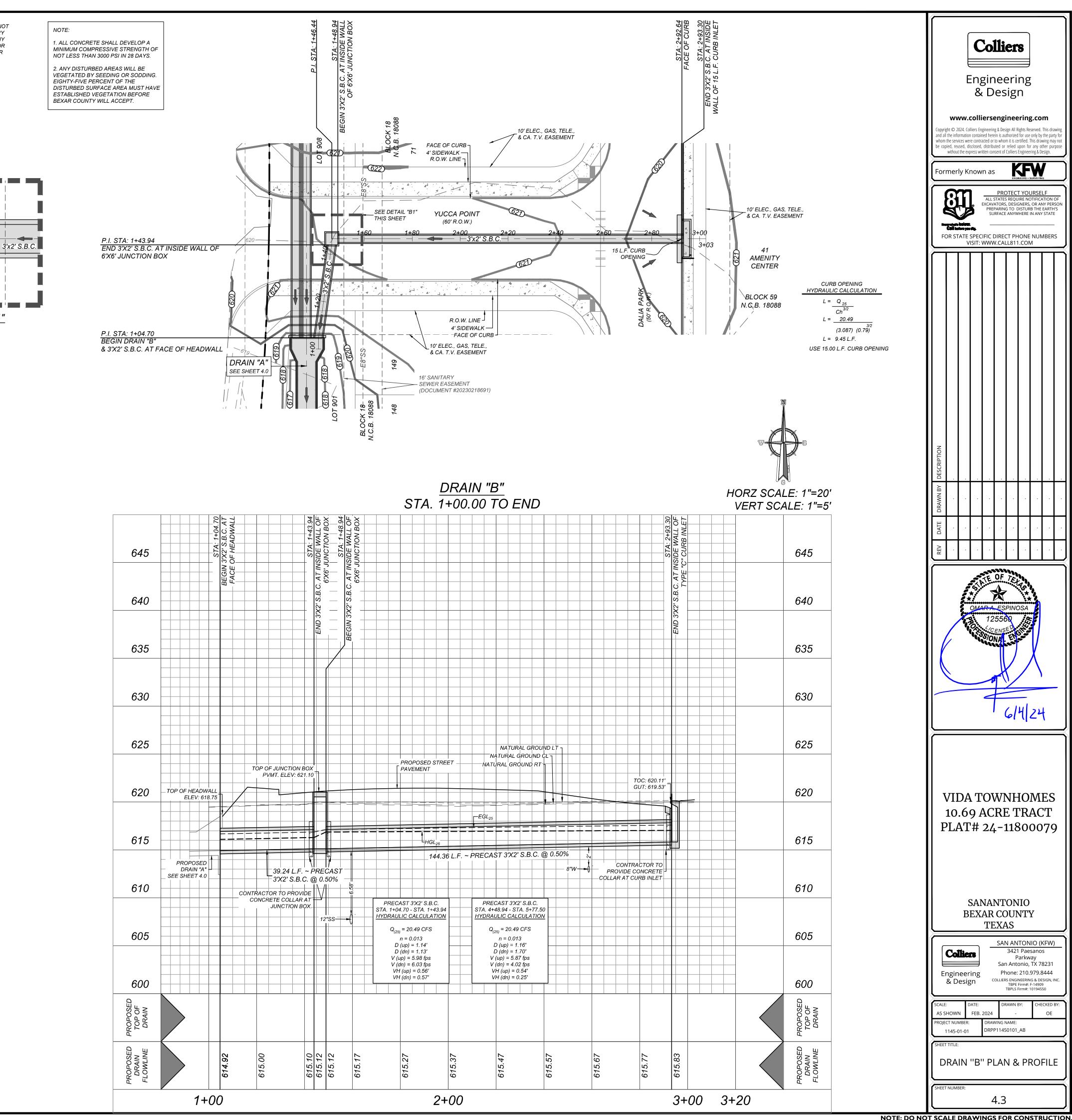
RENCH EXCAVATION SAFETY PROTECTION CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK 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

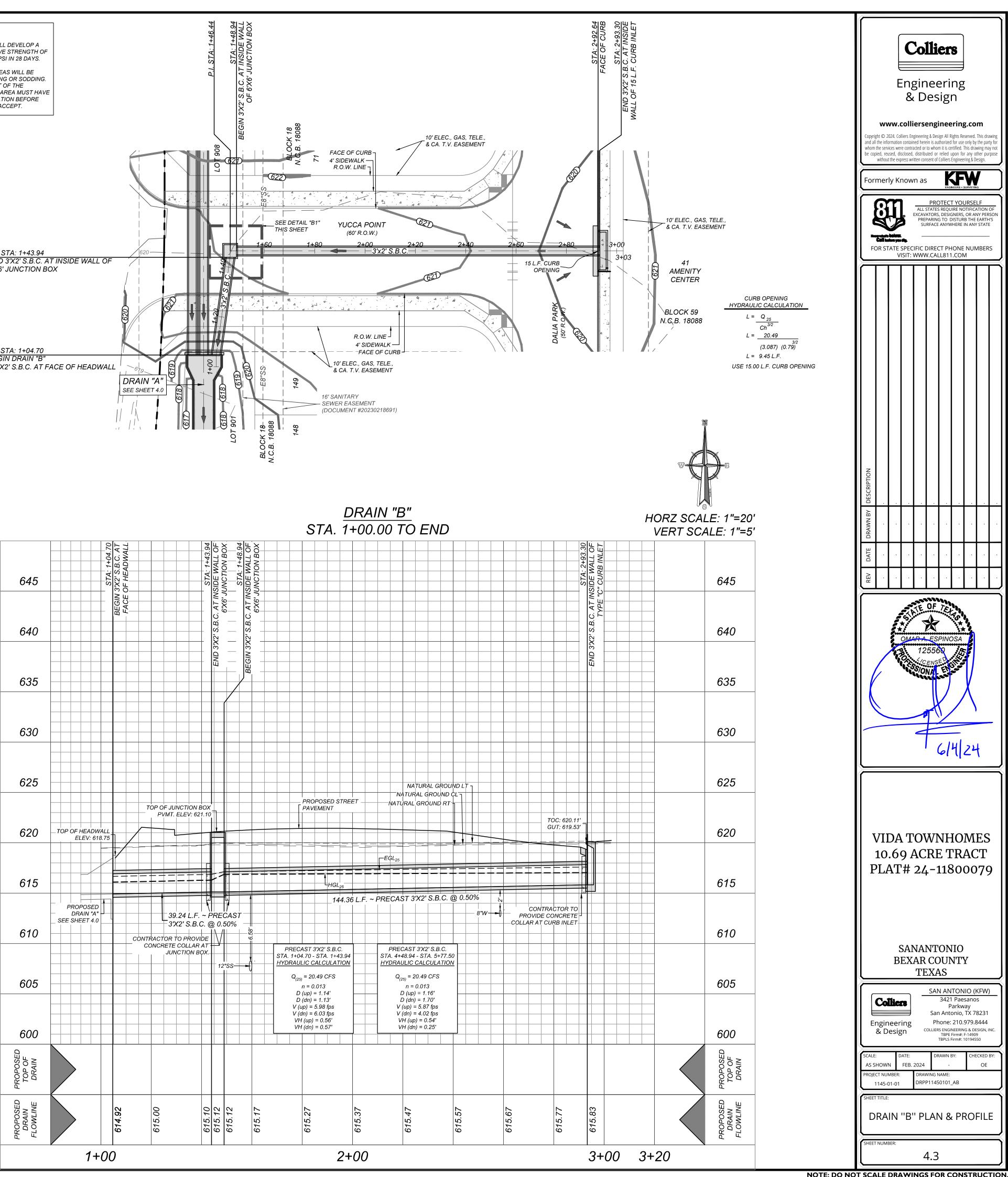
ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CAUTION!!: THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE

WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.



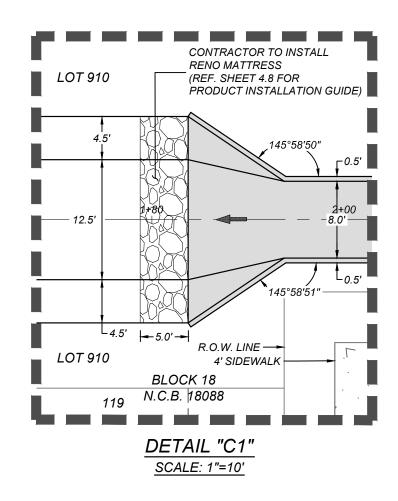


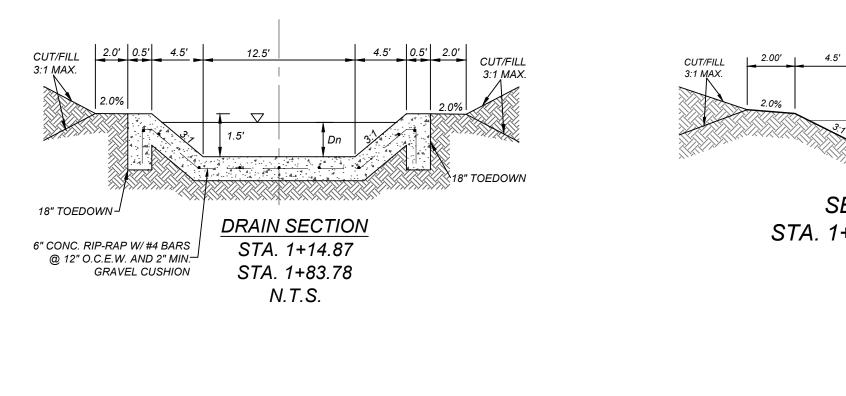


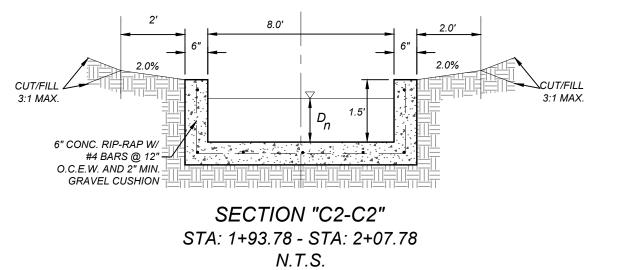
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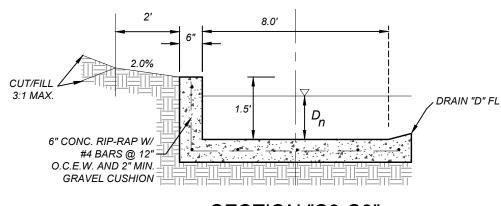
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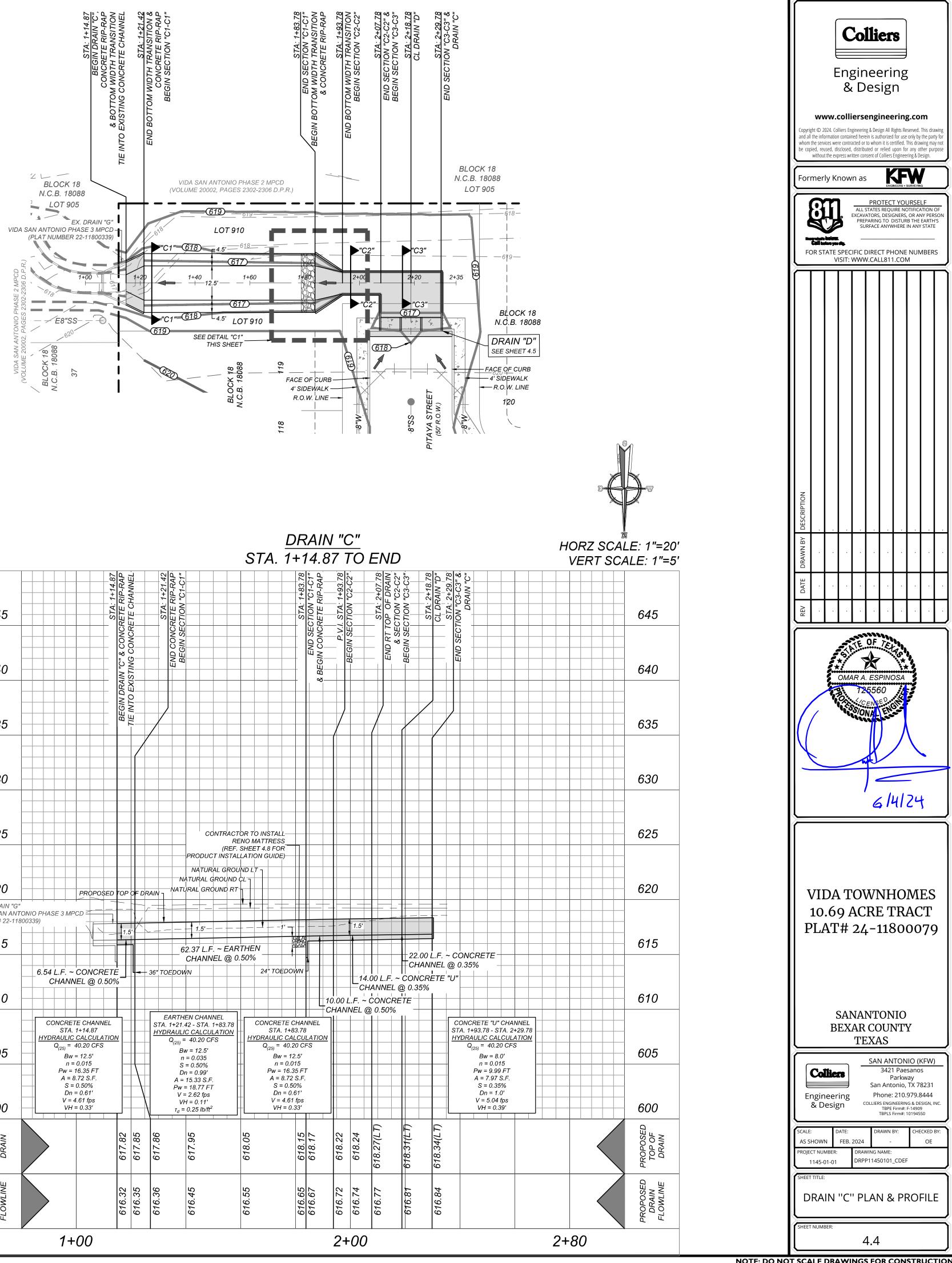


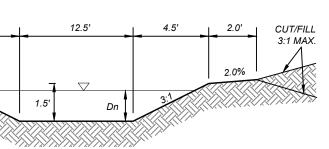




NOTE: 1. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 PSI IN 28 DAYS.

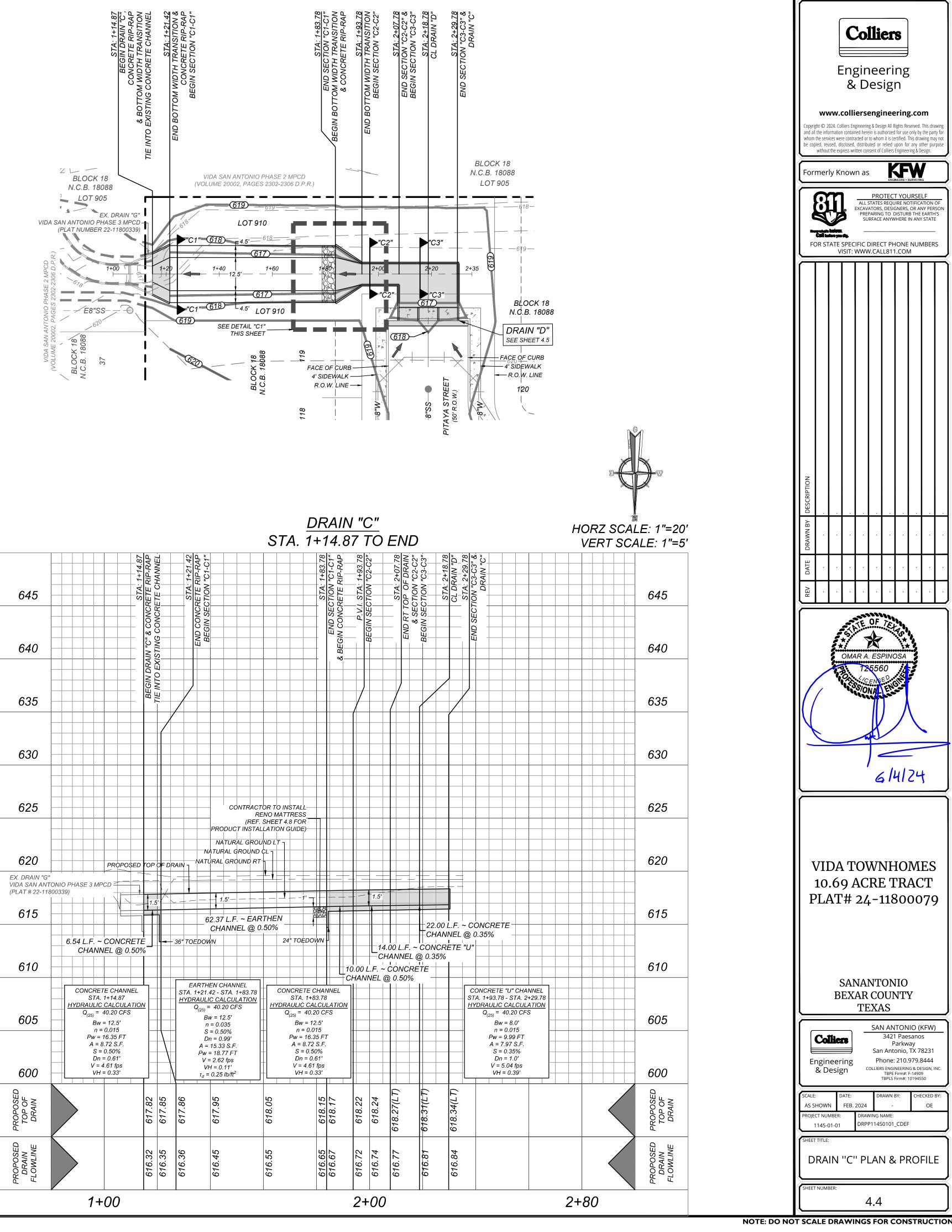
2. ANY DISTURBED AREAS WILL BE VEGETATED BY SEEDING OR SODDING. EIGHTY-FIVE PERCENT OF THE DISTURBED SURFACE AREA MUST HAVE ESTABLISHED VEGETATION BEFORE BEXAR COUNTY WILL ACCEPT.





SECTION "C1-C1" STA. 1+21.42 - STA. 1+83.78 N.T.S.

SECTION "C3-C3" STA: 2+07.78 - STA: 2+29.78 N.T.S.



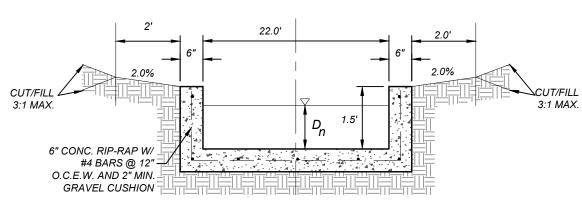
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

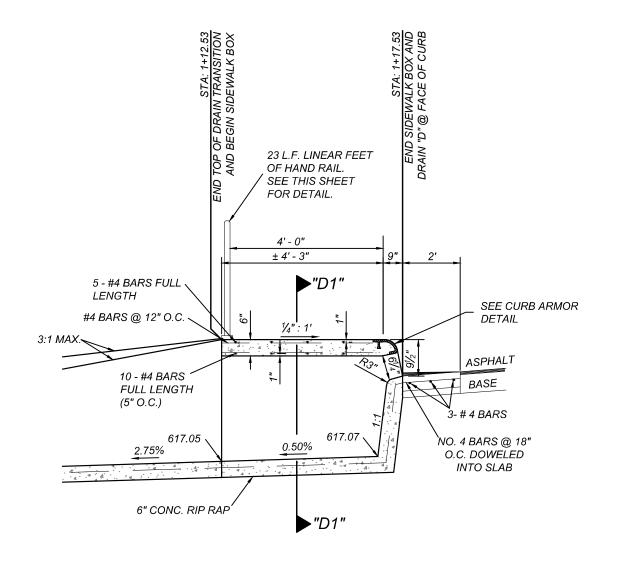
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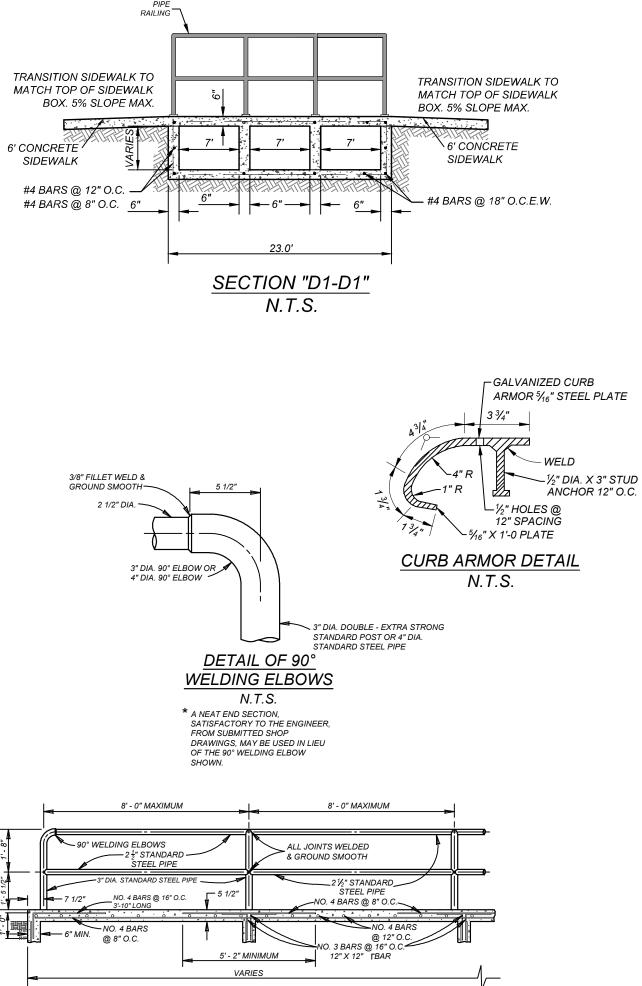
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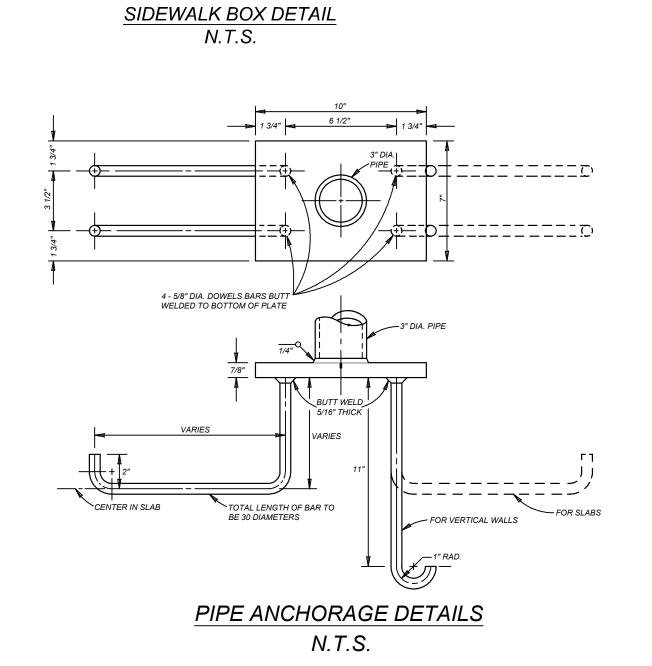
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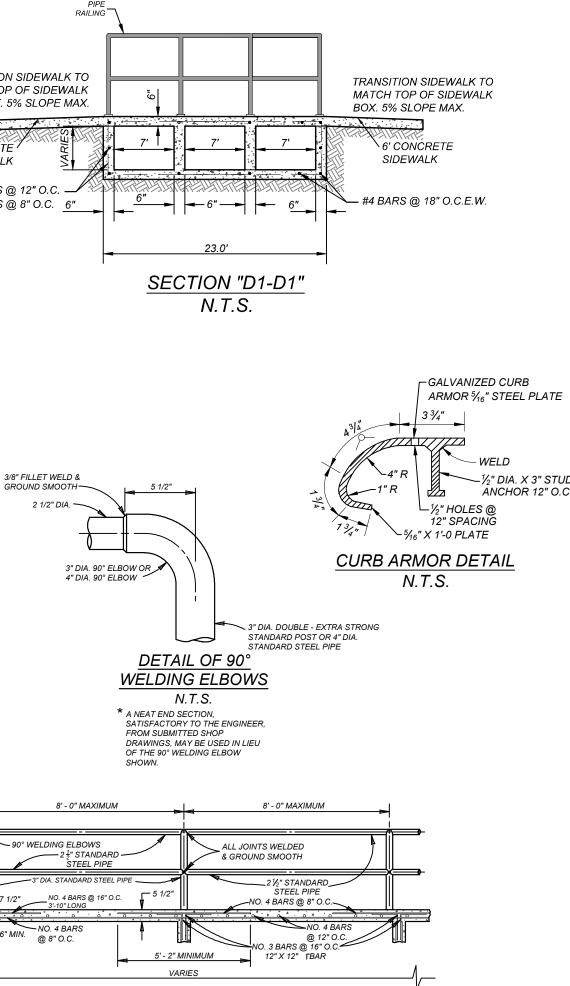
WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

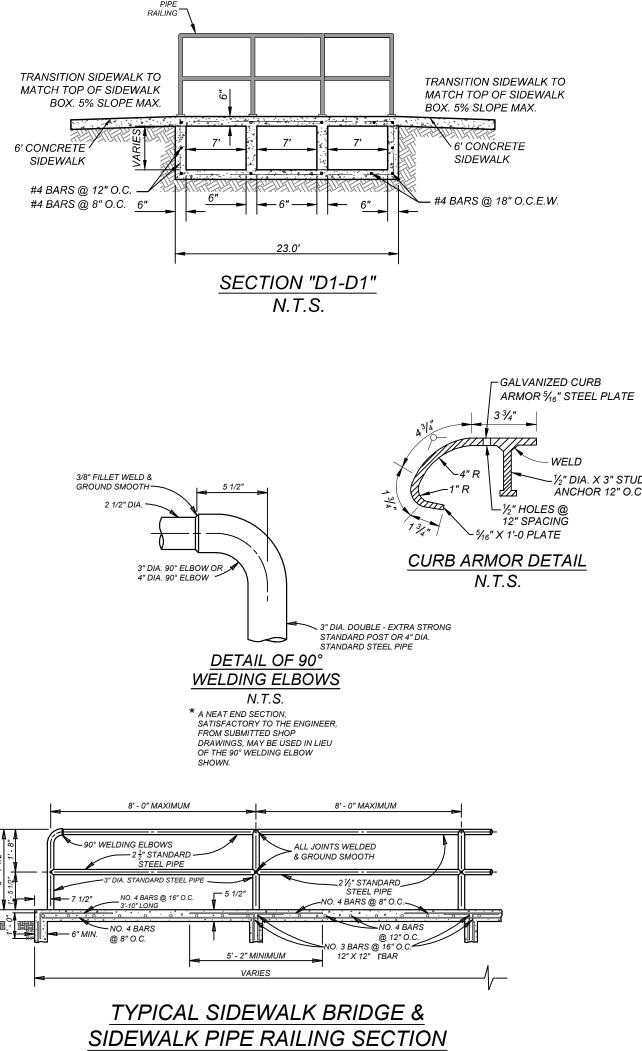


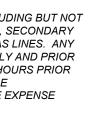








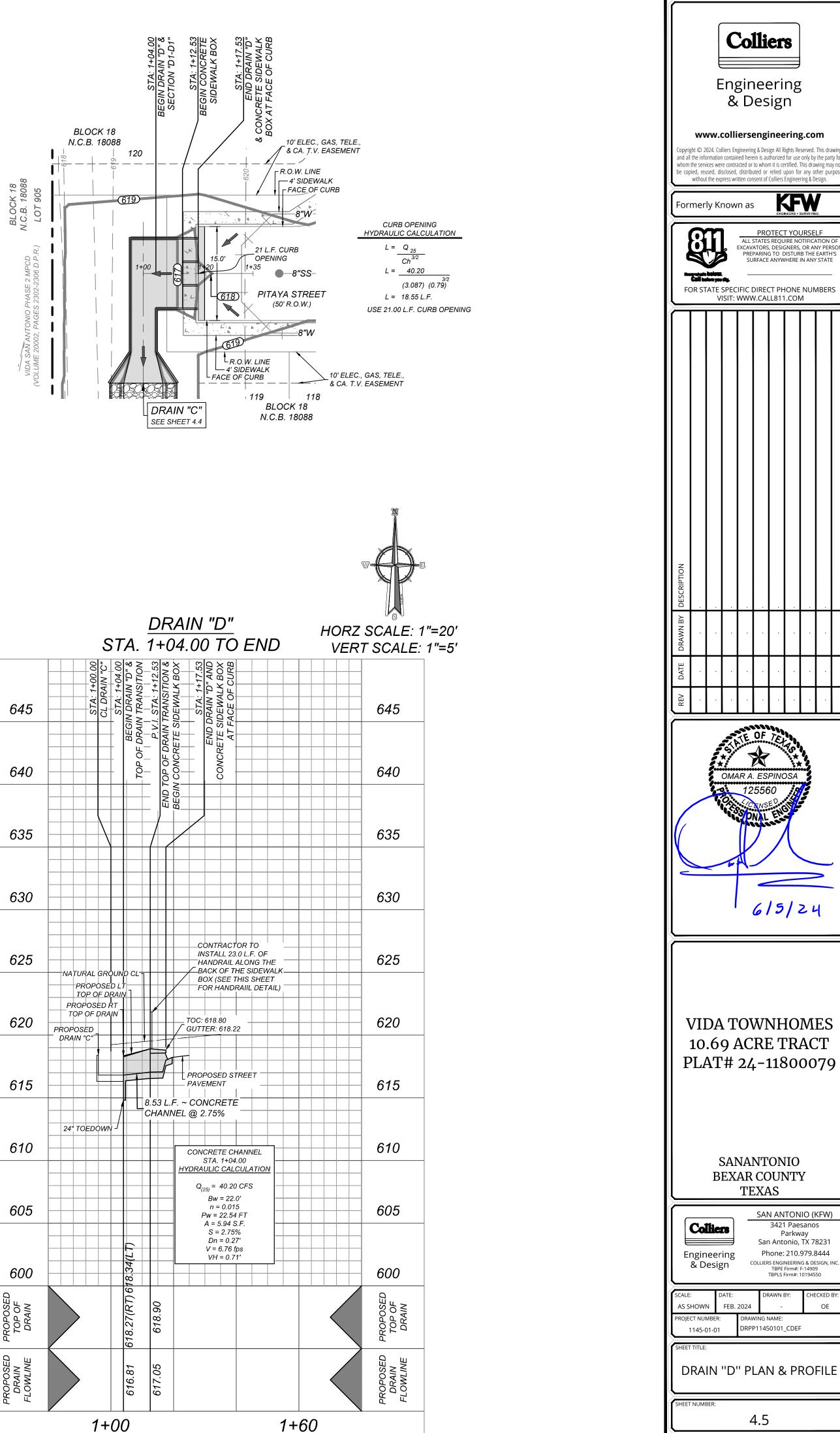




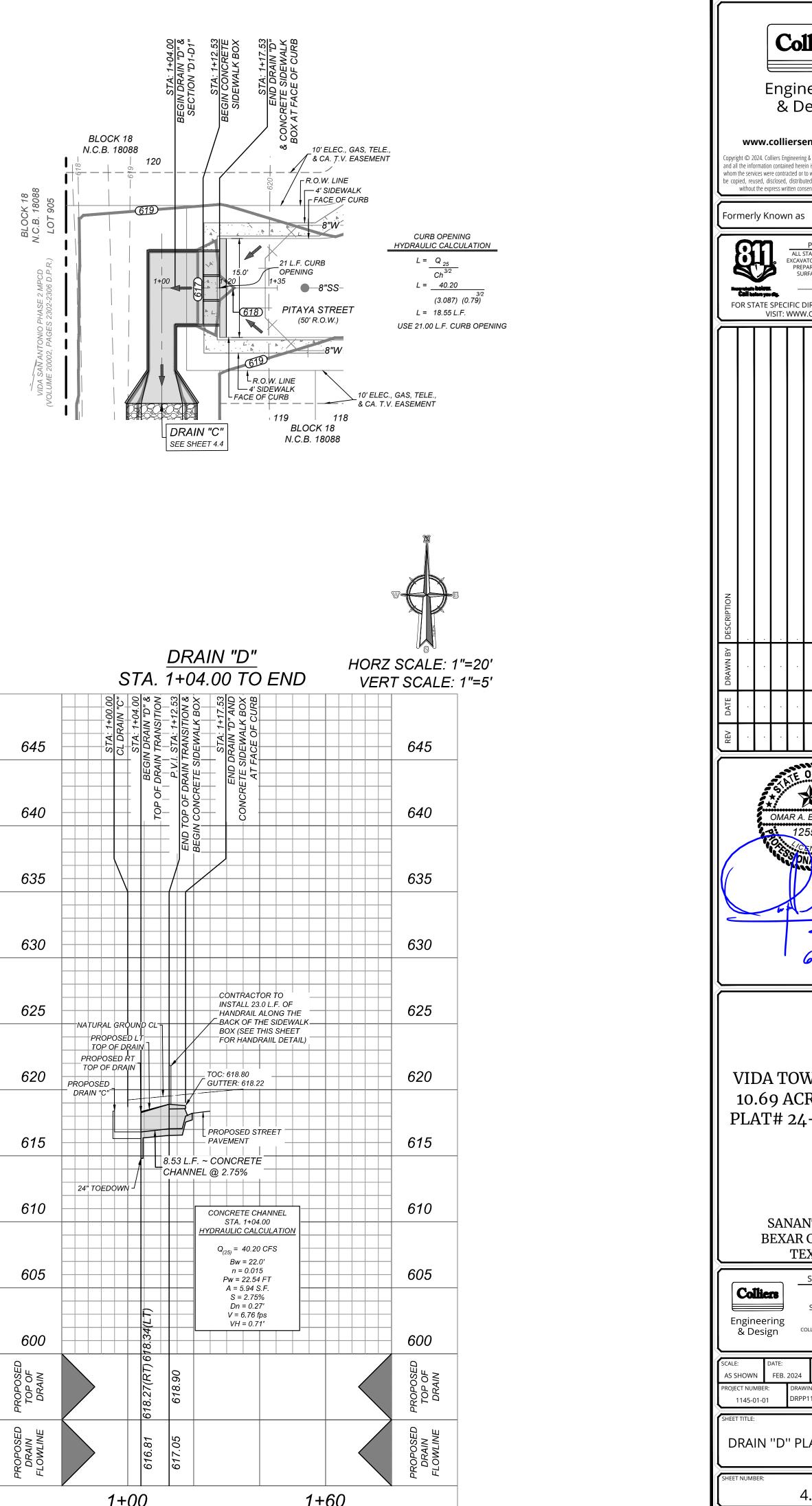
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DRAIN "D" SECTION STA: 1+04.00 N.T.S.



3421 Paesanos

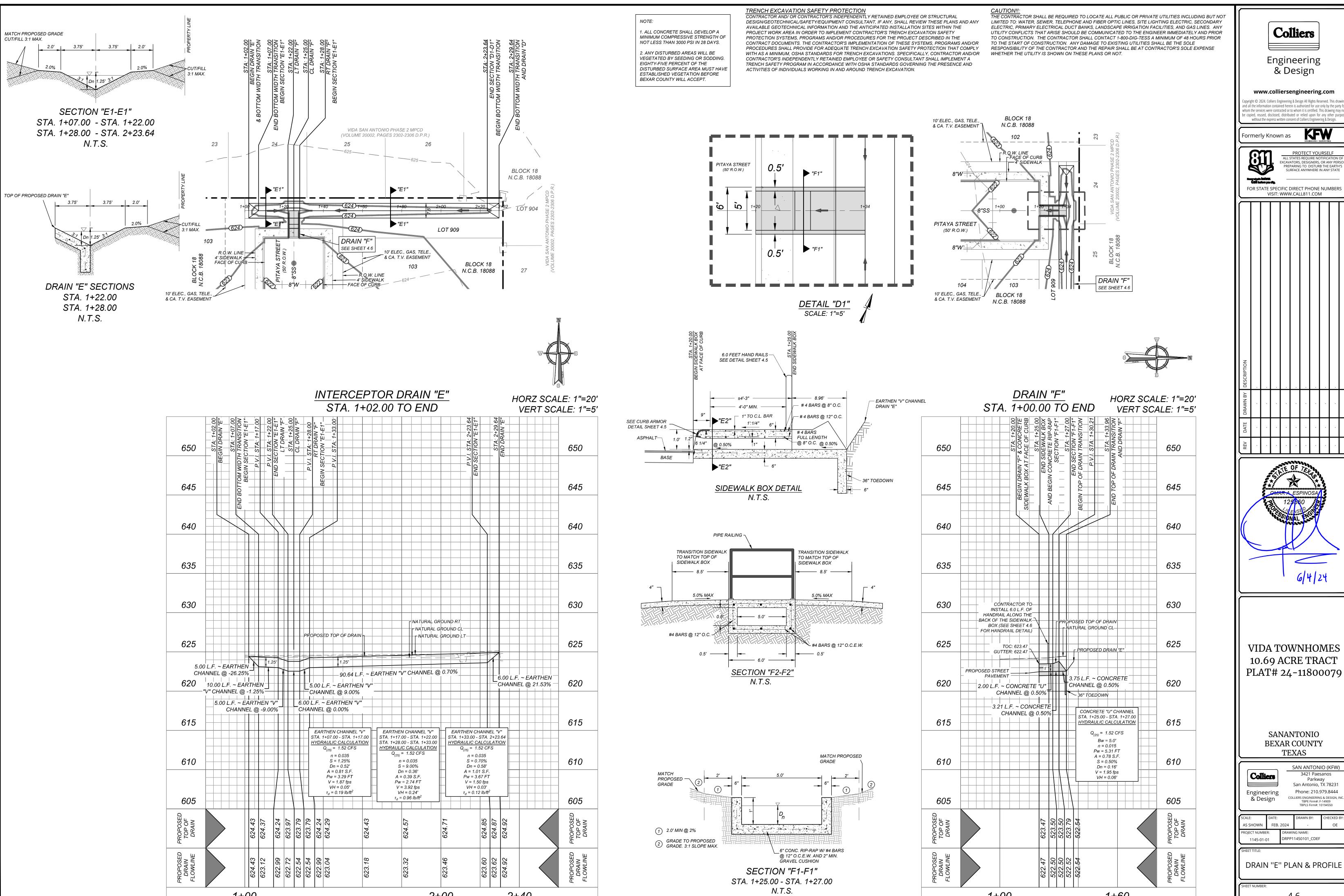
Parkway

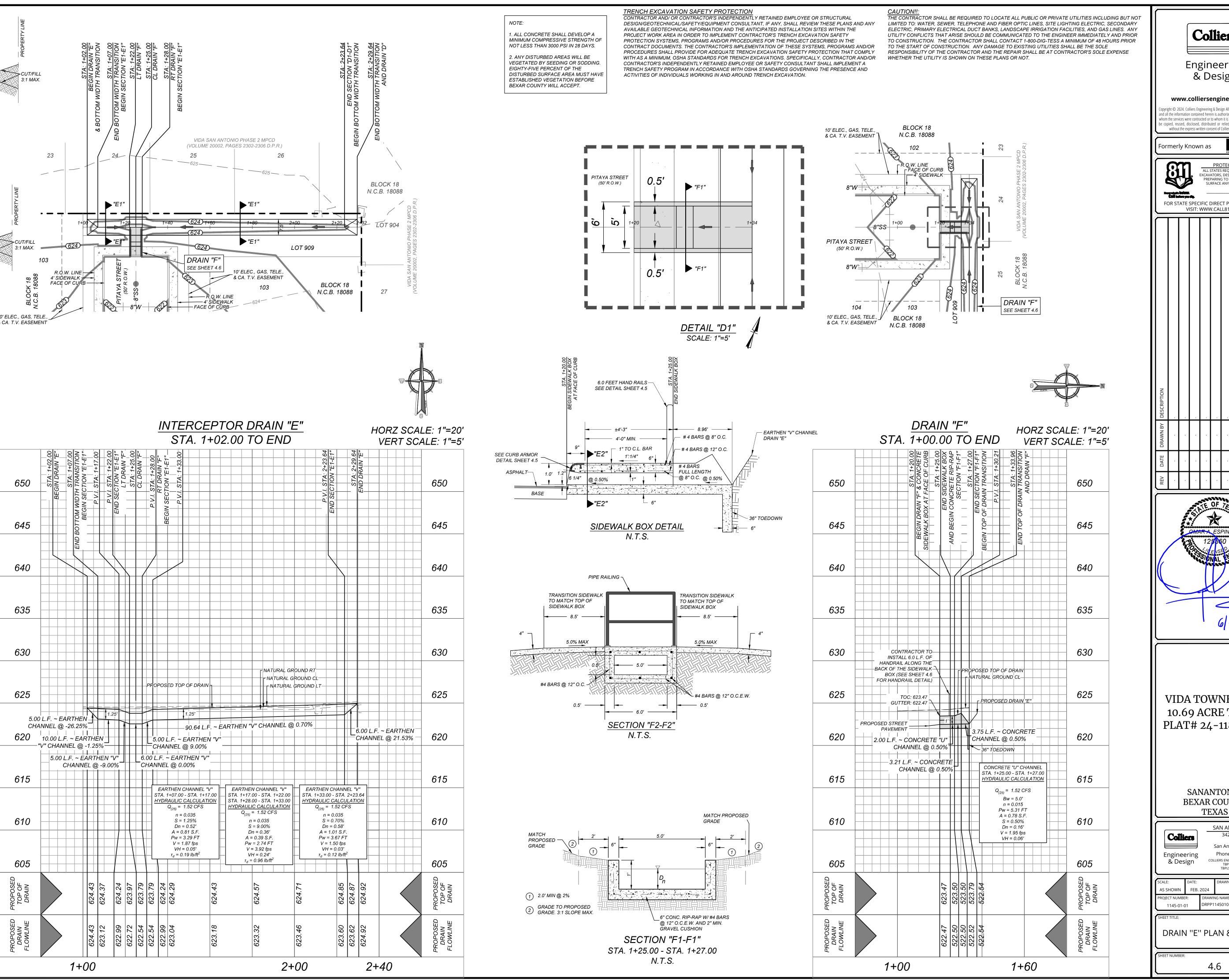
TBPE Firm#: F-14909 TBPLS Firm#: 10194550

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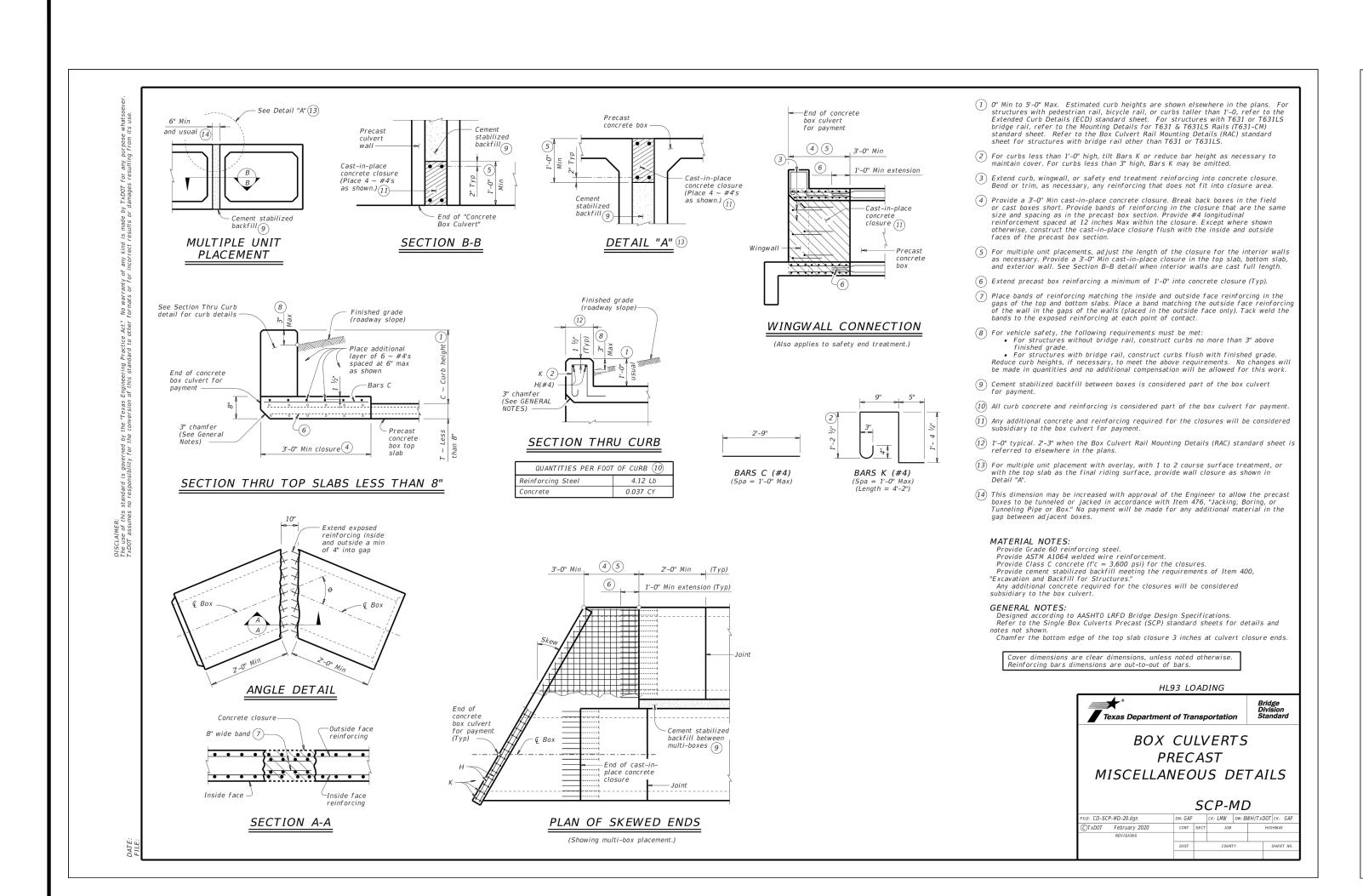
KFW

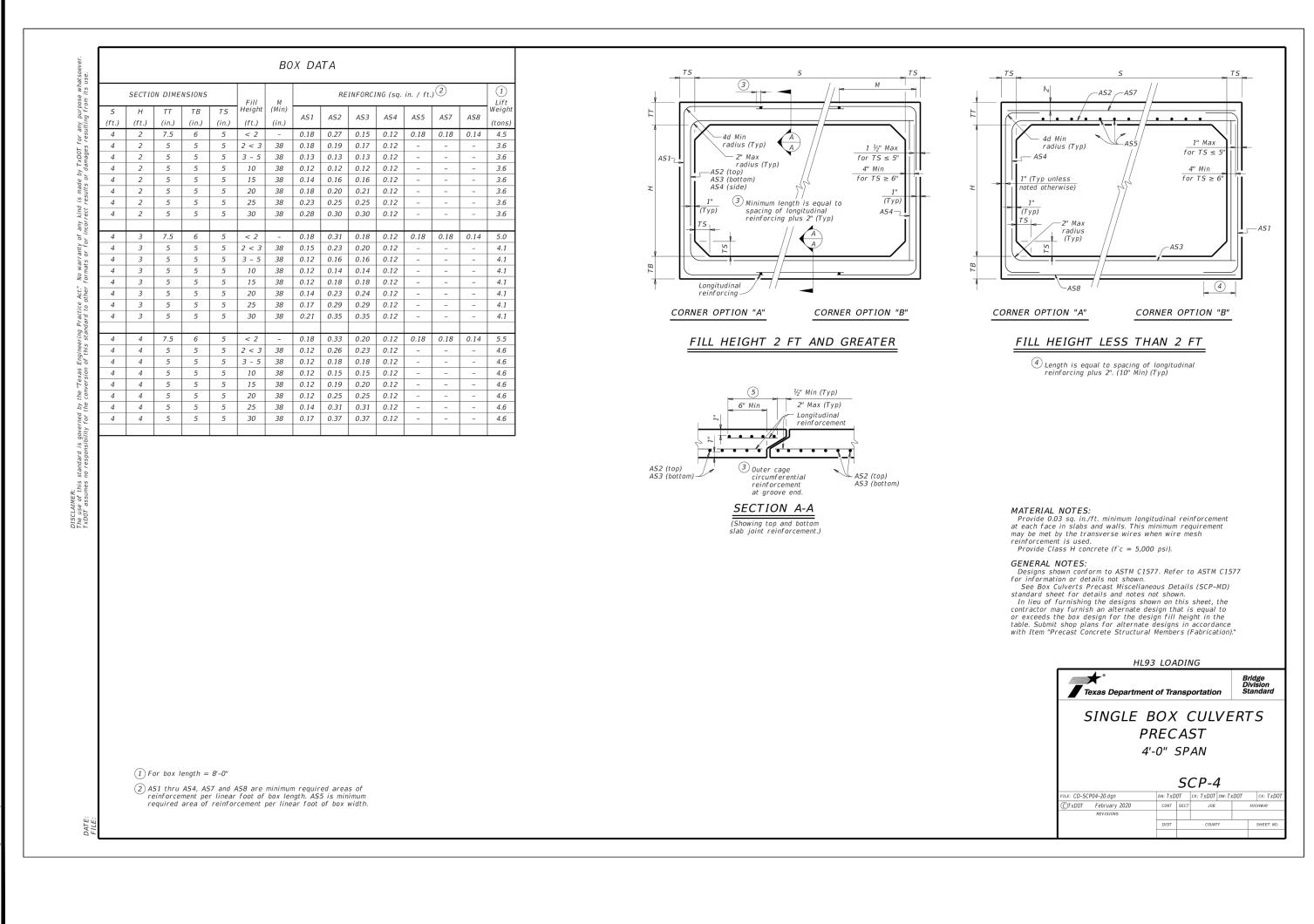




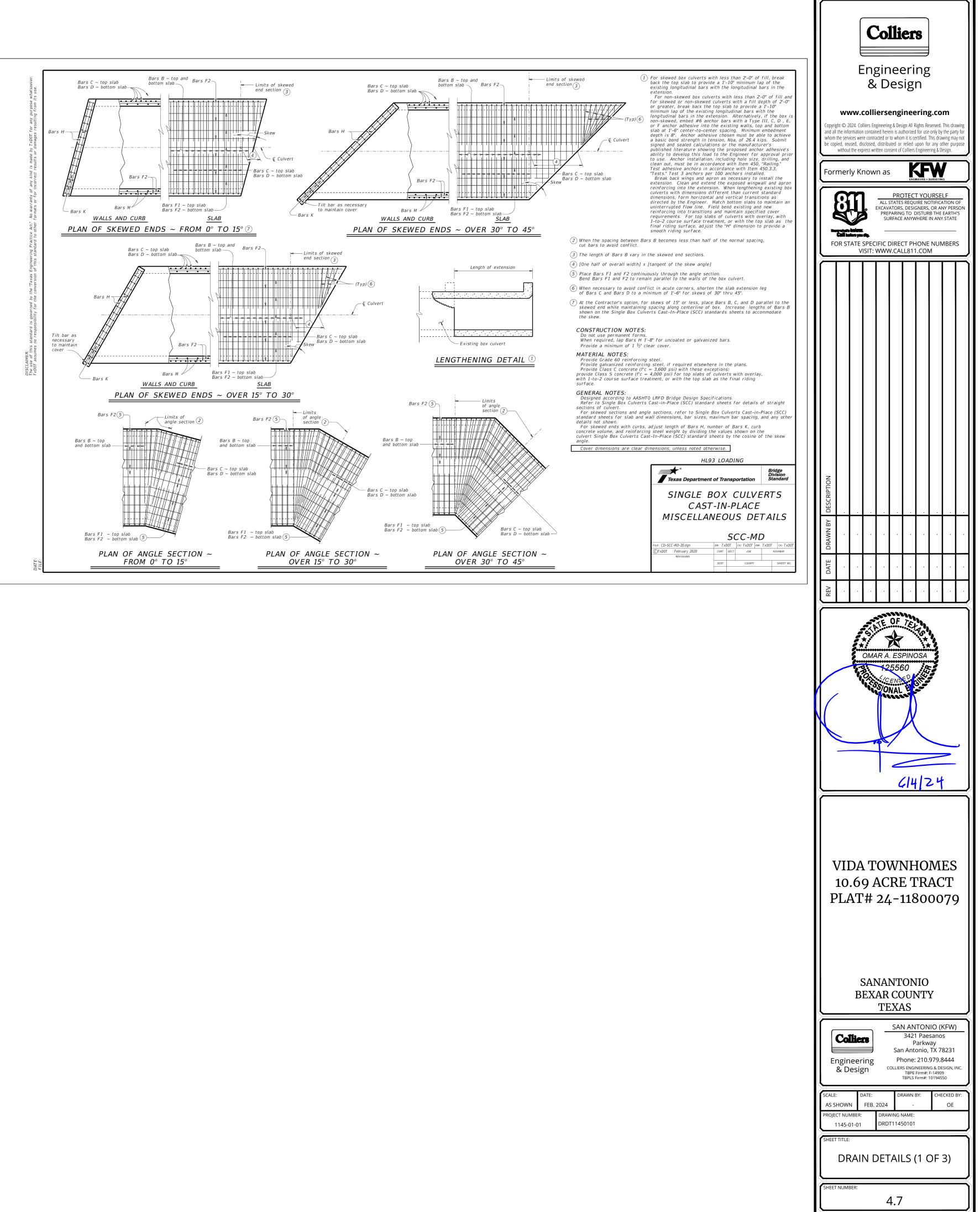
ECKED BY

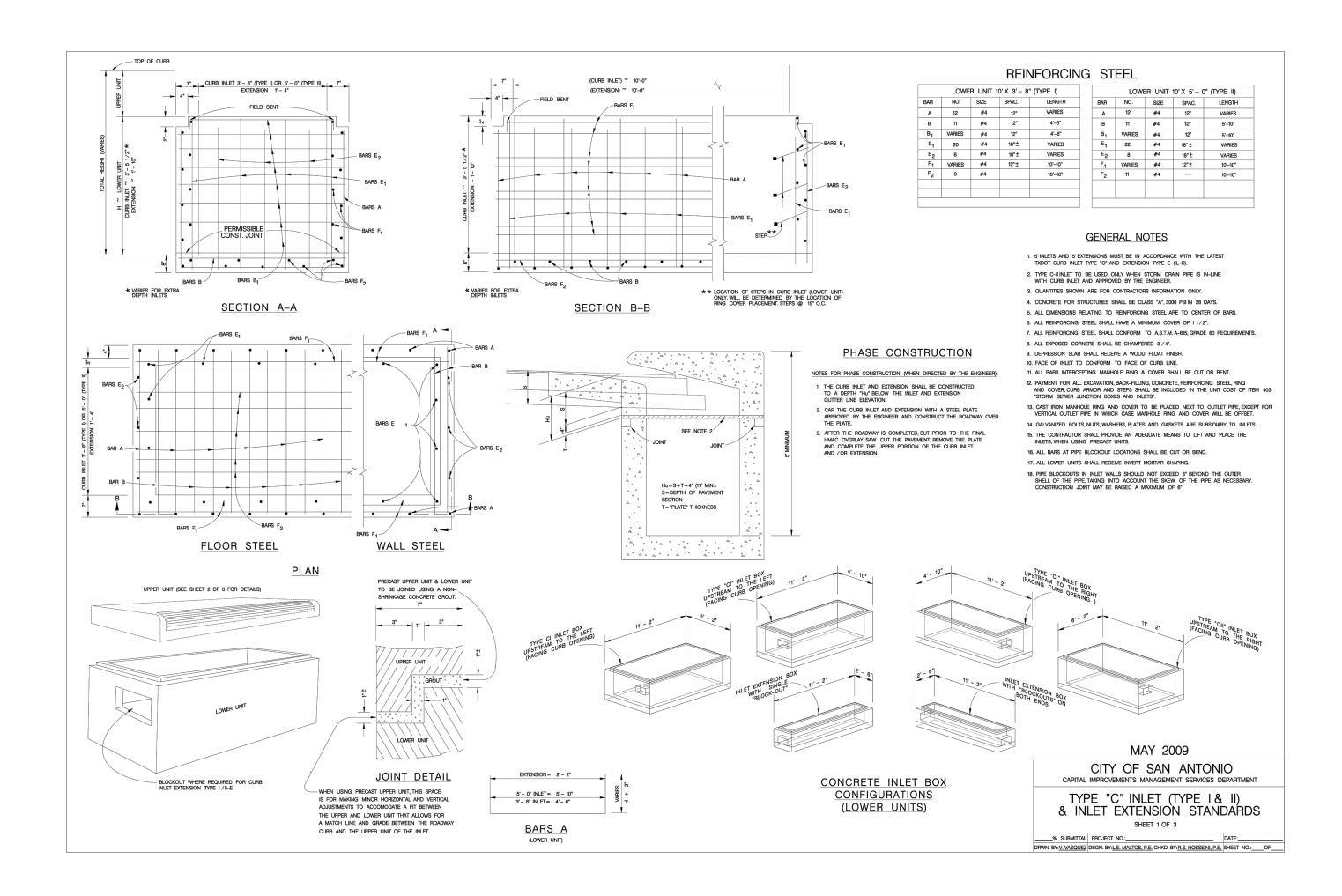
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION





15/DRDT11450101.dwg/4.7 By: SCH





MACCAFERRI

PRODUCT INSTALLATION GUIDE Rev: 01, Issue Date 04.01.2005

RENO MATTRESS

Material Delivery

Reno mattresses are manufactured with all components mechanically connected at the production facility with the exception of the lid, which is produced separately from the base. All Reno mattresses are supplied in a collapsed form, either folded and bundled or rolled, for shipping. The bundles are banded together at the factory for shipping and handling. Reno mattress bases and lids may be packed in separate bundles. Lacing wire is shipped in coils. Ring fasteners are shipped in boxes. All Reno mattresses are labelled to show their dimensions and the number of pieces per bundle.

Assembly

The folded units shall be taken out from the bundle and placed on a hard flat surface. Reno mattresses shall be opened, unfolded, and pressed out to their original shape. Front, back and end panels shall be lifted to a vertical position to form an open box shape. End flaps shall be folded and/or overlapped, as appropriate. All edges of the diaphragms and end panels shall be tied or fastened to the front and back of the mattress. The mattresses should be assembled individually, by erecting the sides, ends and diaphragms, ensuring that all creases are in the correct position and the tops of all sides are level.

Fastening Procedure

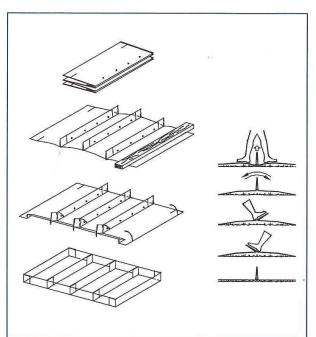
Connect the edges of the mattress by using either lacing wire or ring fasteners. When steel ring fasteners are used, the use of either a mechanical or a pneumatic fastening tool is required. Spacing of the rings shall be in accordance with ASTM A975-97 Table 2, Panel to Panel connection, Pull-Apart Resistance. In any case, ring fasteners spacing shall not exceed 6 in (150 mm). Rings shall be installed at the top and the bottom connections of the end and center diaphragms and along all edges. Care should be taken to ensure the steel ring fastener is completely closed after installation (Fig. 3). When this is not possible, fixing rings must be complemented or replaced with lacing wire.

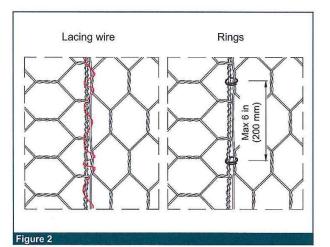
The procedure for using lacing wire consists of cutting a sufficient length of wire, and first looping and/or twisting the lacing wire to the wire mesh. Proceed to lace with alternating double and single loops through every mesh opening approximately every 6 in (150 mm) pulling each loop tight and finally securing the end of the lacing wire to the wire mesh by looping and/or twisting. The use of pliers to aid assembly and wiring of the units using the binding wire supplied with the mattresses is normally recommended.

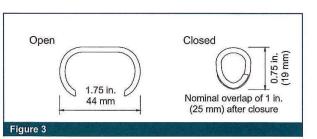
Foundation Preparation

The foundation on which the Reno mattresses are to be placed shall be level, and graded to the elevations as shown on the project construction drawings. The foundation for Reno mattresses shall be free of surface irregularities, loose material, and vegetation in accordance with the project specifications. Appropriate measures shall be taken for filtering and drainage of the foundation, as per the project specifications (filter cloth, drain works, etc.). Geotextiles required to be installed behind or underneath Reno mattress structures shall comply with the

requirements for subsurface drainage applications.







MACCAFERRI

Installation and Filling

After assembly, the mattresses are placed in their proper location and securely attached to adjacent units. For structural integrity, all adjoining empty units should be connected by means of lacing wire or ring fasteners along all the edges of their contact surfaces, in order to form a monolithic structure. On slopes, the mattress should be laid with the width perpendicular to the slope, except for very small ditches. Mattresses should be placed and securely attached while empty. Where mattresses are to be placed on steep slopes, the unit should be secured by hardwood or steel pegs driven into the ground just below the upper end panel, at 6 ft (2 m) centers or as specified in the project requirements.

Mattresses can conform to bends up to a radius of 60-70 ft. (18 -21 m) without alteration, and placed to the required curvature for filling. Mattresses may be cut to form curves or bevels. Rocks for mattresses may be produced by any suitable quarrying method, and by the use of any device that yields the required sizes within the gradation limits chosen. Rocks shall be hard, angular to round, durable and of such

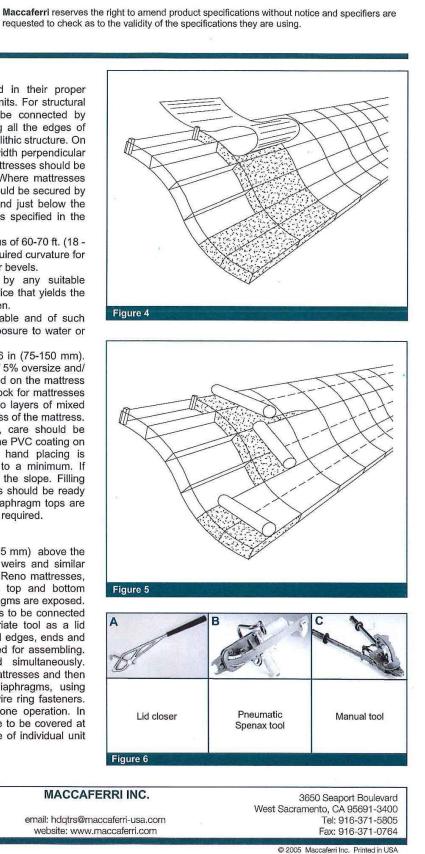
quality that they shall not disintegrate on exposure to water or weathering during the life of the structure. Reno mattress rocks shall range between 3-6 in (75-150 mm). The range in sizes may allow for a variation of 5% oversize and/ or 5% undersize rock, provided it is not placed on the mattress

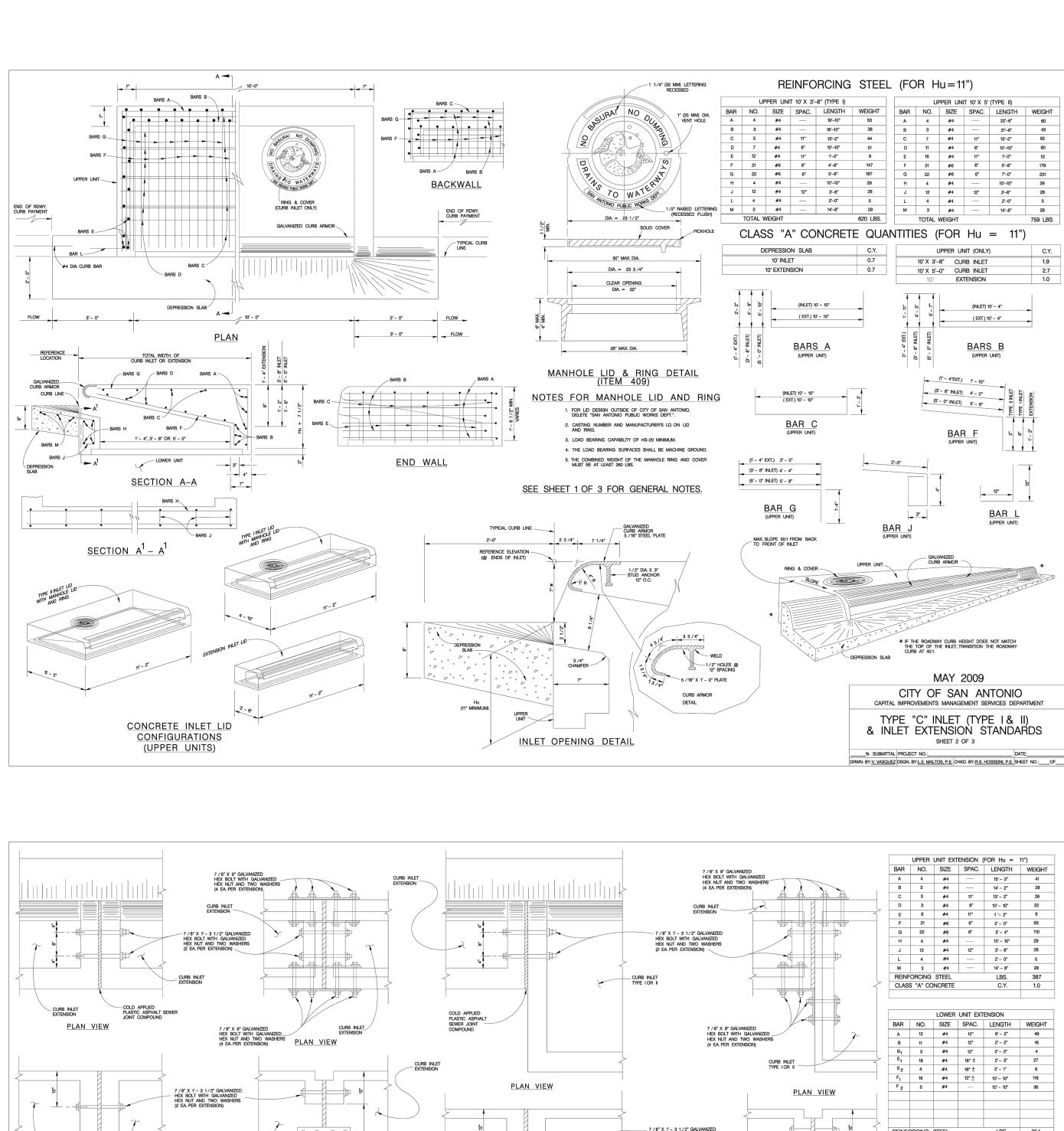
exposed surface. In all cases, any oversize rock for mattresses shall allow for a placement of a minimum two layers of mixed rock sizes, dependent upon the height/thickness of the mattress. When using PVC coated Reno mattresses, care should be taken when placing the stone to ensure that the PVC coating on the mattress will not be damaged. Some hand placing is necessary to ensure the void ratio is kept to a minimum. If installing on a slope, start at the bottom of the slope. Filling should be done unit by unit, but several units should be ready for filling at any one time. Ensure that the diaphragm tops are

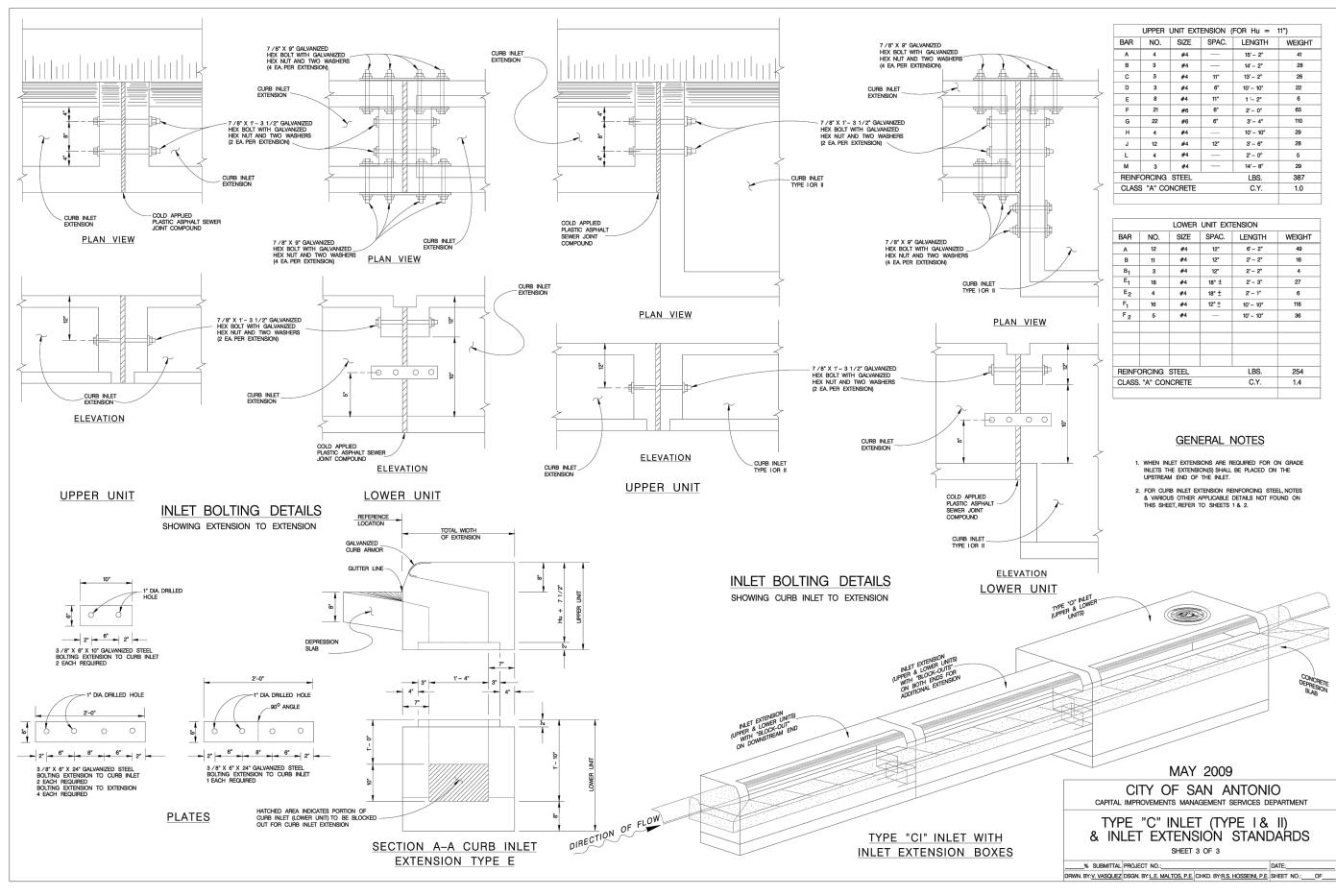
accessible for lacing to the mattress lids when required. **Closing** To allow for settlement, level off the fill 1 in (25 mm) above the top of the mesh. In aprons downstream of weirs and similar places where water will fall directly onto the Reno mattresses, install bracing wires vertically between the top and bottom mesh. Make sure the top edges of the diaphragms are exposed.

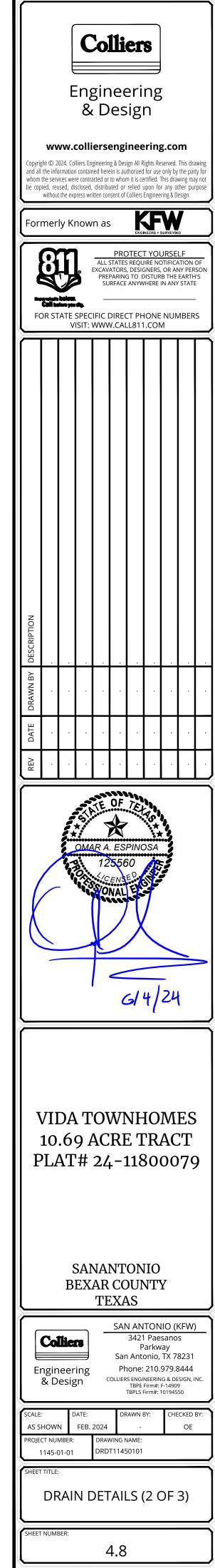
Lay the lid down, pull the edges of the panels to be connected together where necessary using an appropriate tool as a lid closer. The lids shall be tightly laced along all edges, ends and diaphragms in the same manner as described for assembling. Adjacent lids may be securely attached simultaneously. Securely attach the lids to the ends of the mattresses and then securely attach then to the sides, and diaphragms, using alternate double and single loops, or steel wire ring fasteners. Adjacent lids can securely be attached in one operation. In cases where a number of adjacent bases are to be covered at one time, rolls of mesh can be used in place of individual unit size lids.

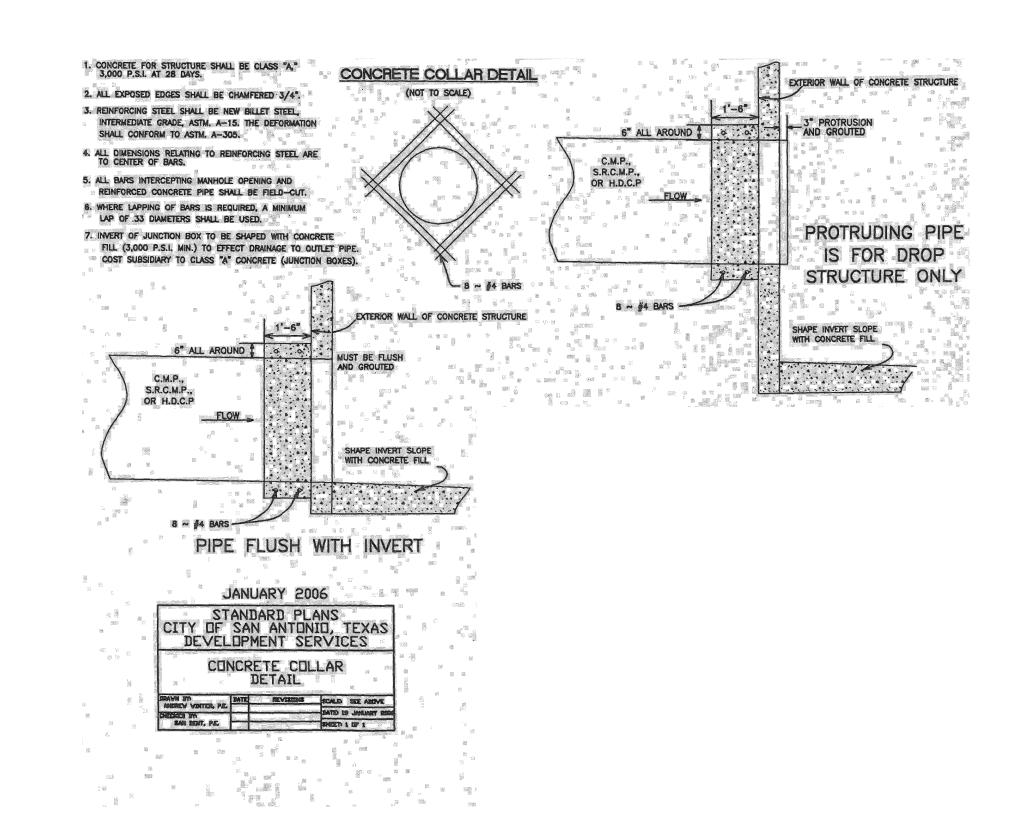
10303 Governor Lane Boulevard Williamsport, MD 21795-3116	N
Tel: 301-223-6910	email:
Fax: 301-223-6134	web

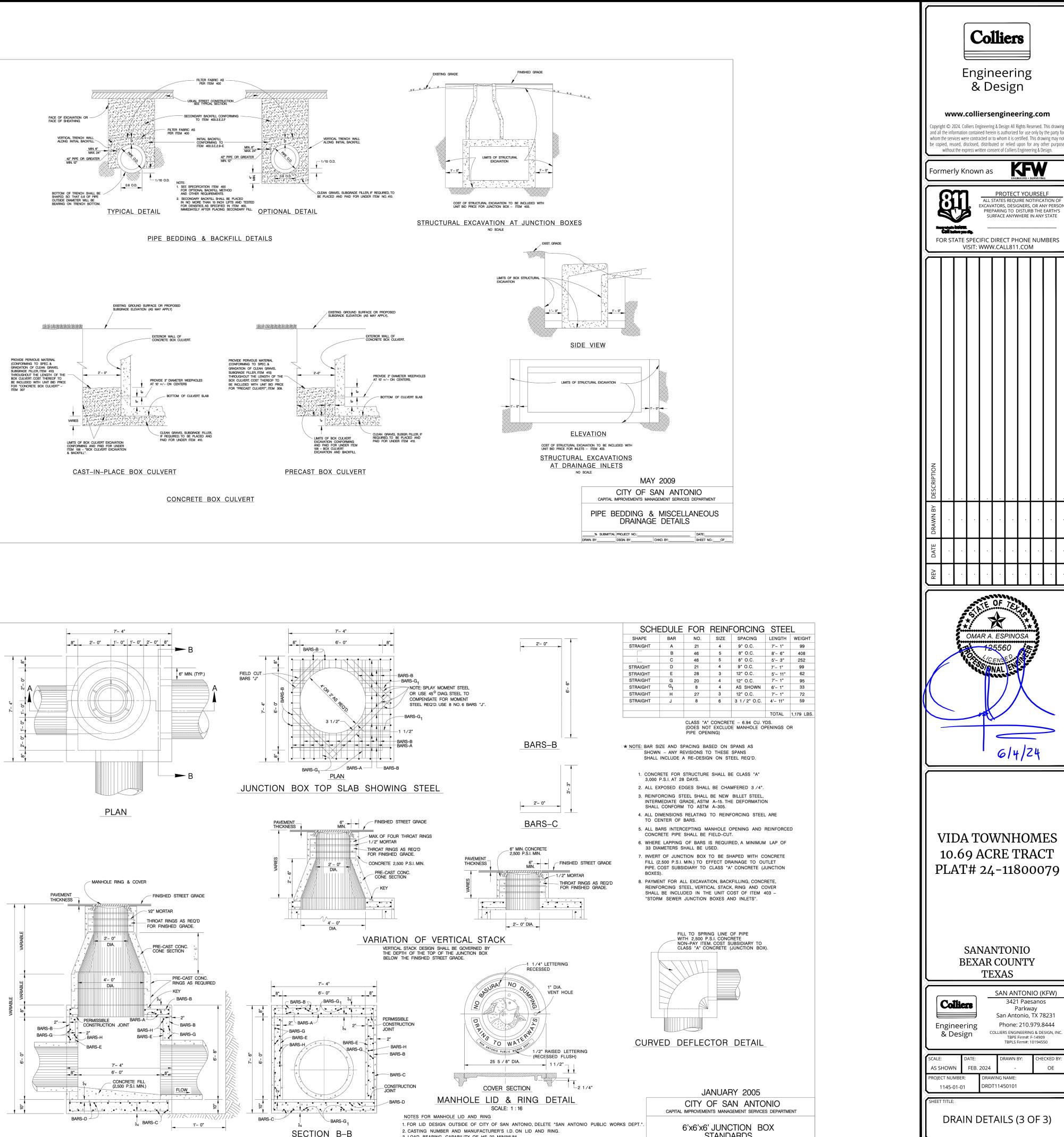


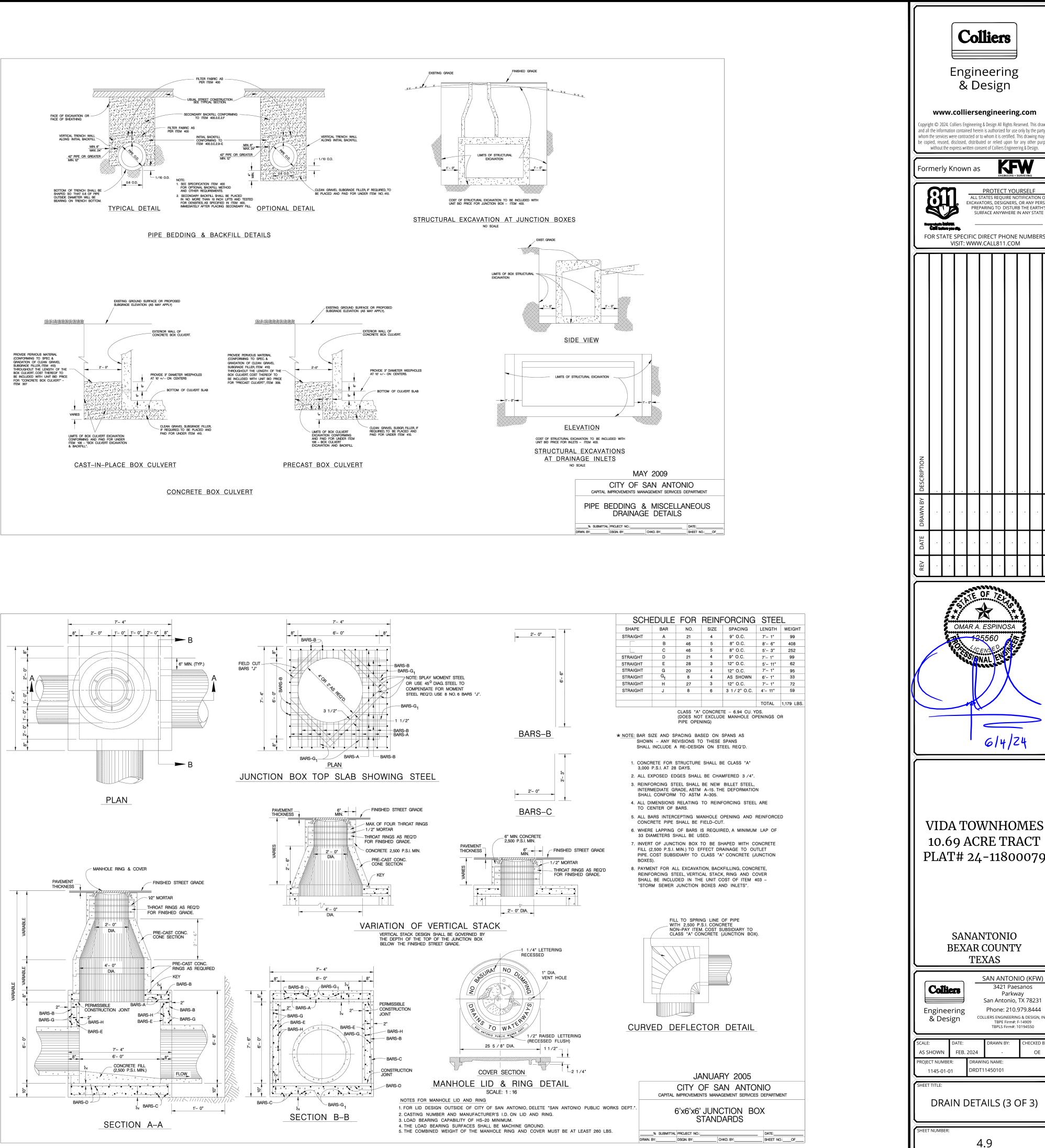


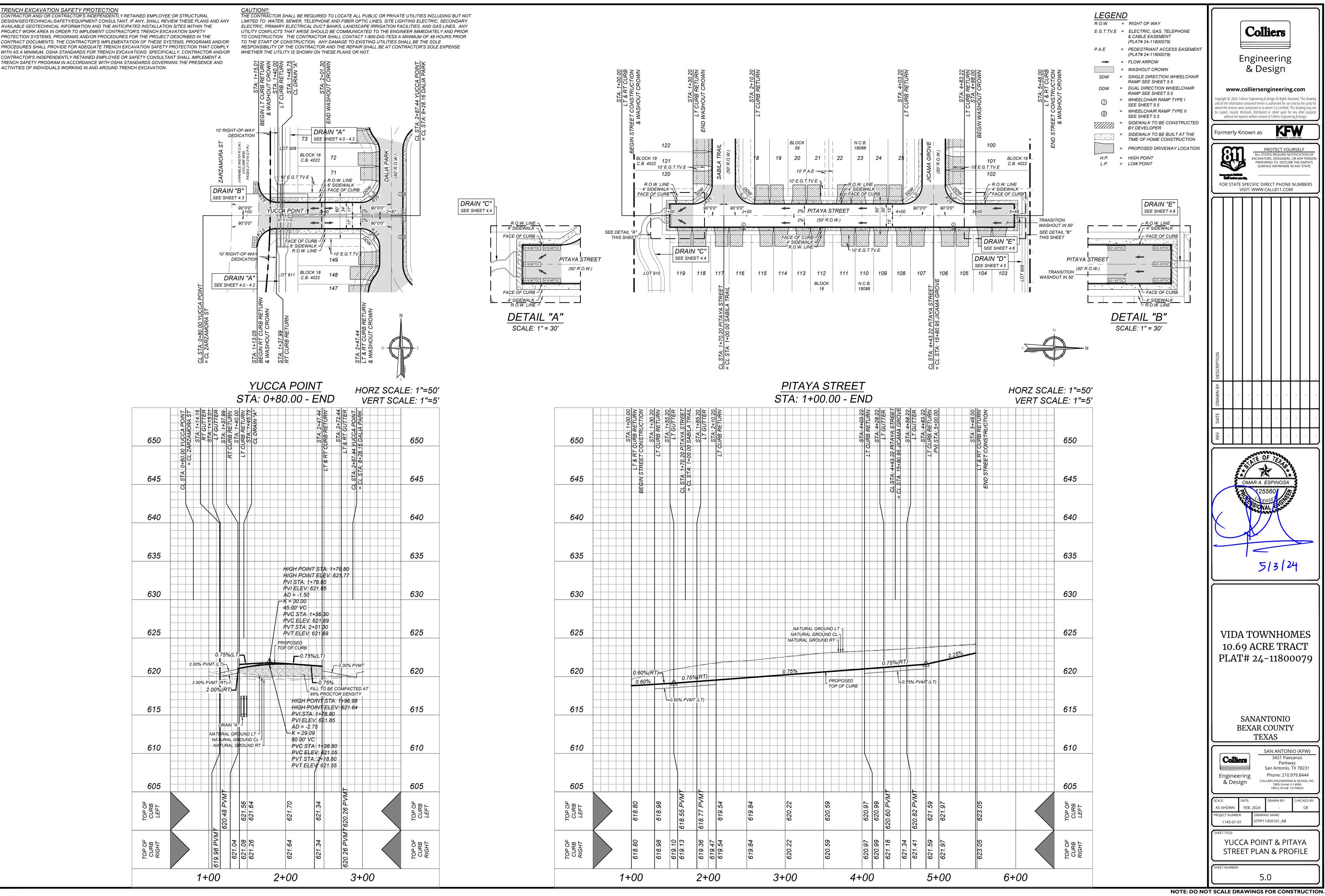






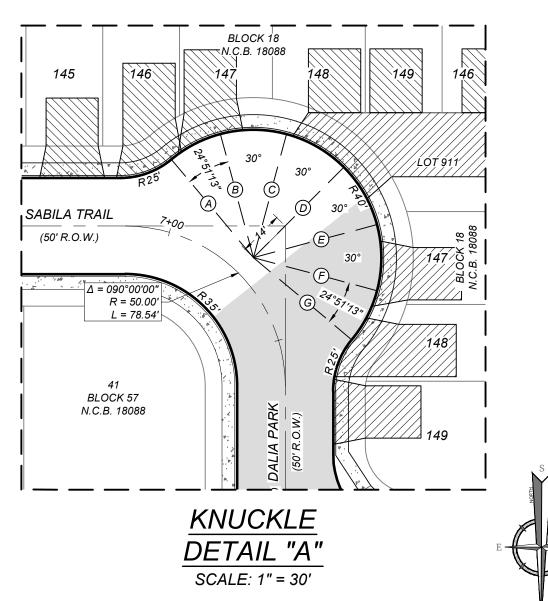




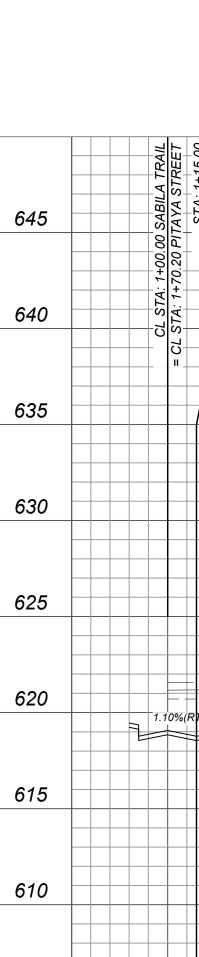


TRENCH EXCAVATION SAF<u>ETY PROTECTION</u> CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT 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.

CAUTION!!: THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.



KNUCKLESAC ELEVATIONS						
STATION	TOP OF CURB ELEVATIONS					
А	621.85					
В	622.02					
С	622.13					
D	622.11					
E	621.97					
F	621.71					
G	621.42					



605

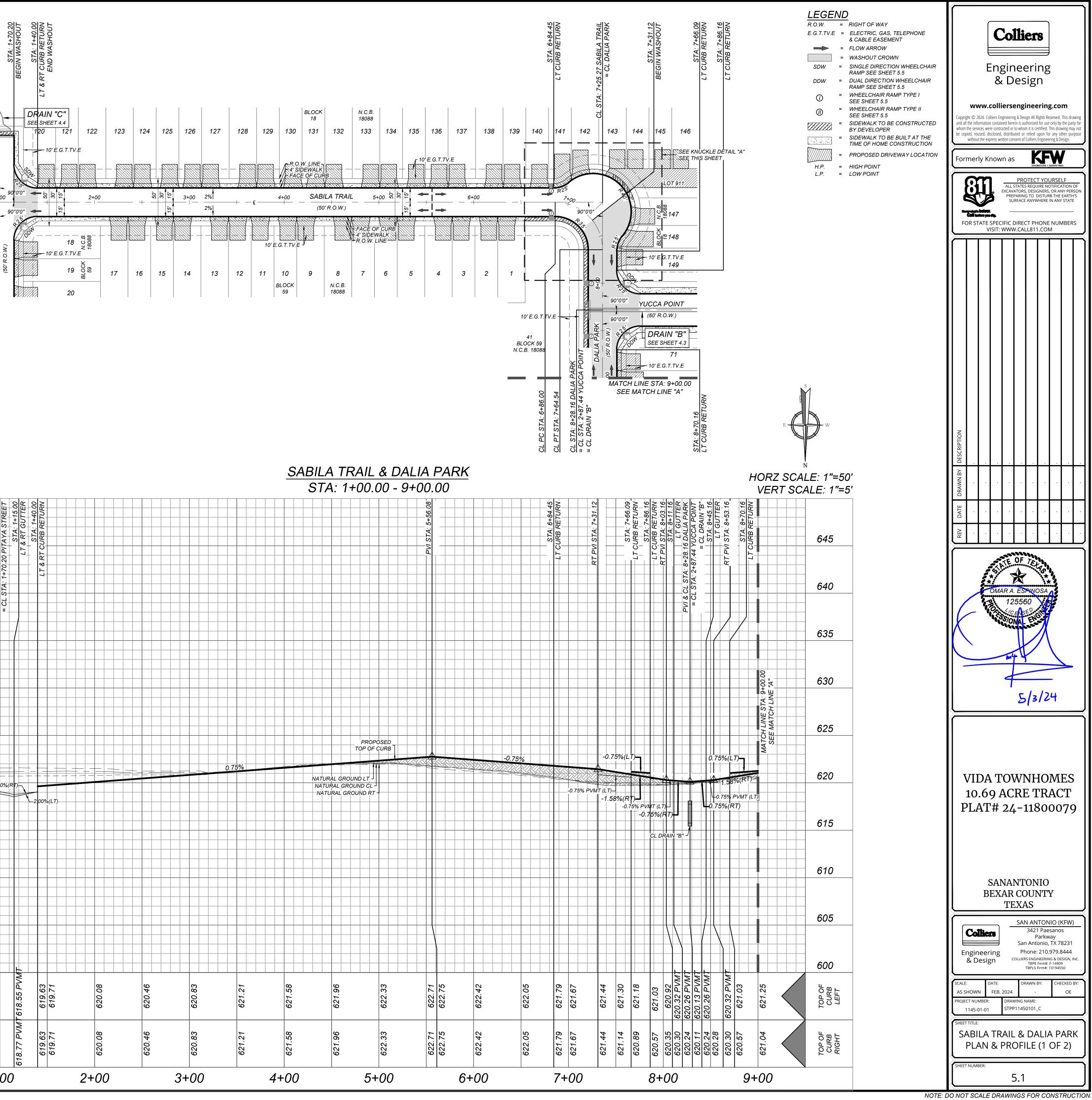
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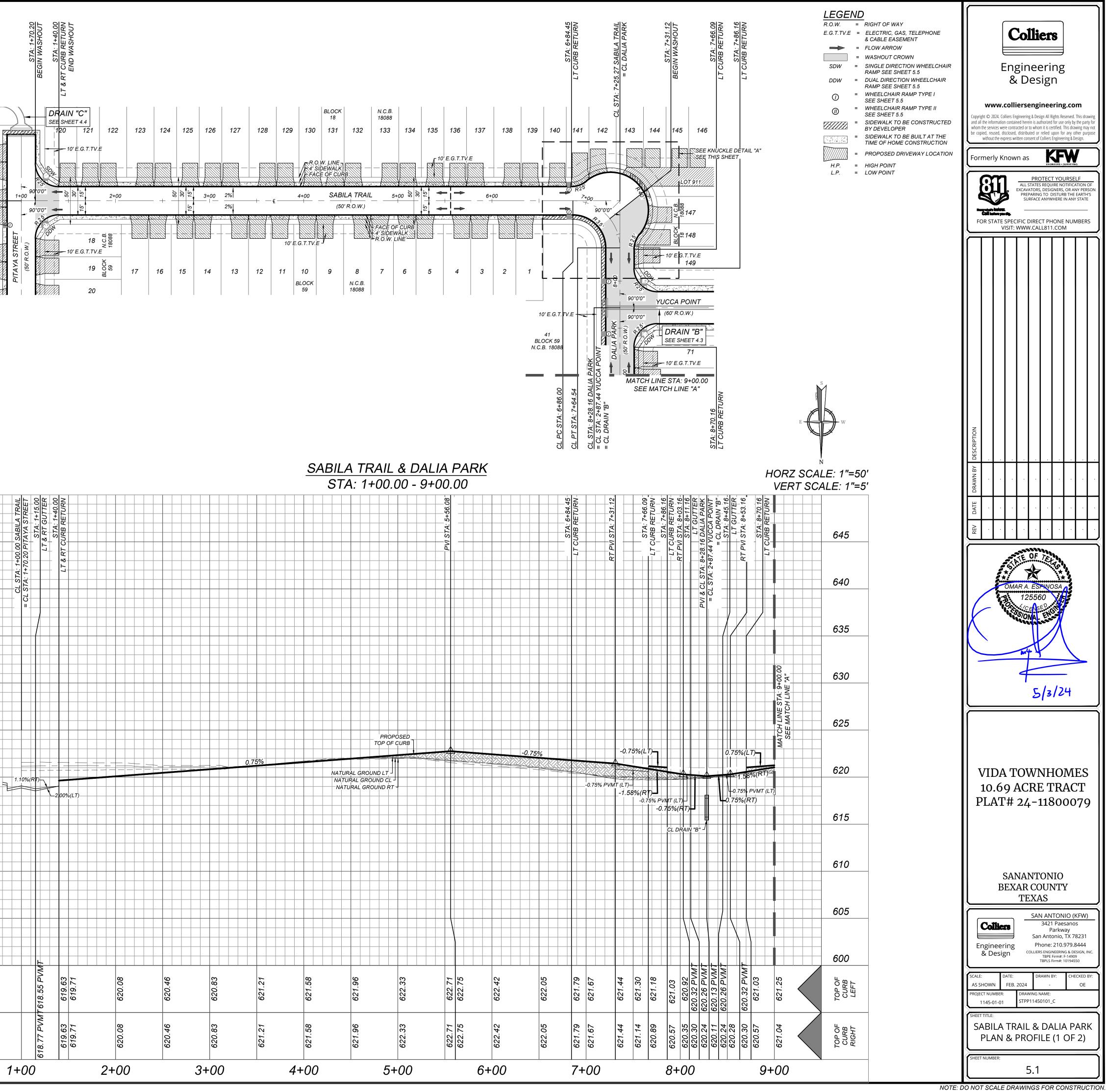
TOP OF CURB LEFT

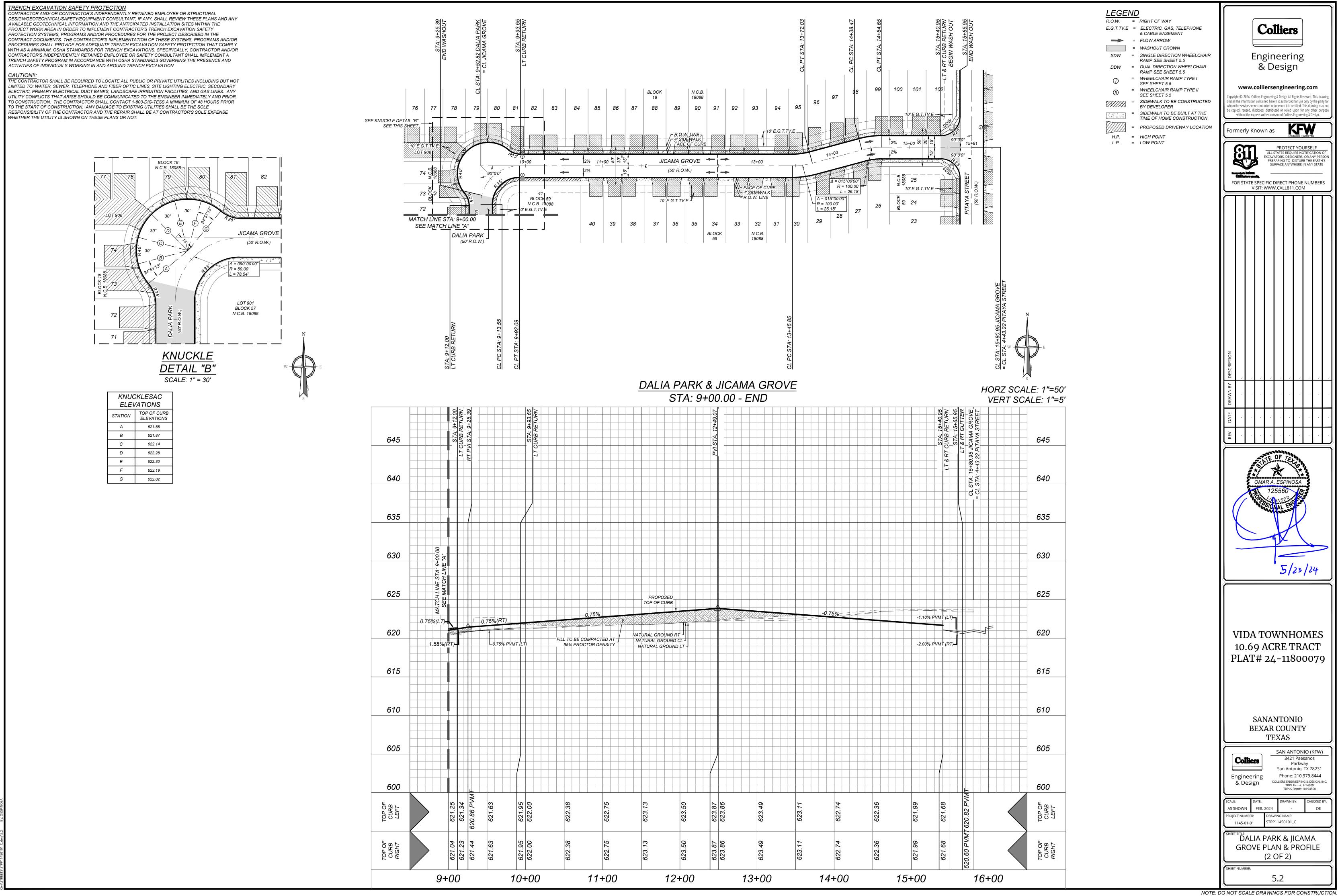
TOP OF CURB RIGHT

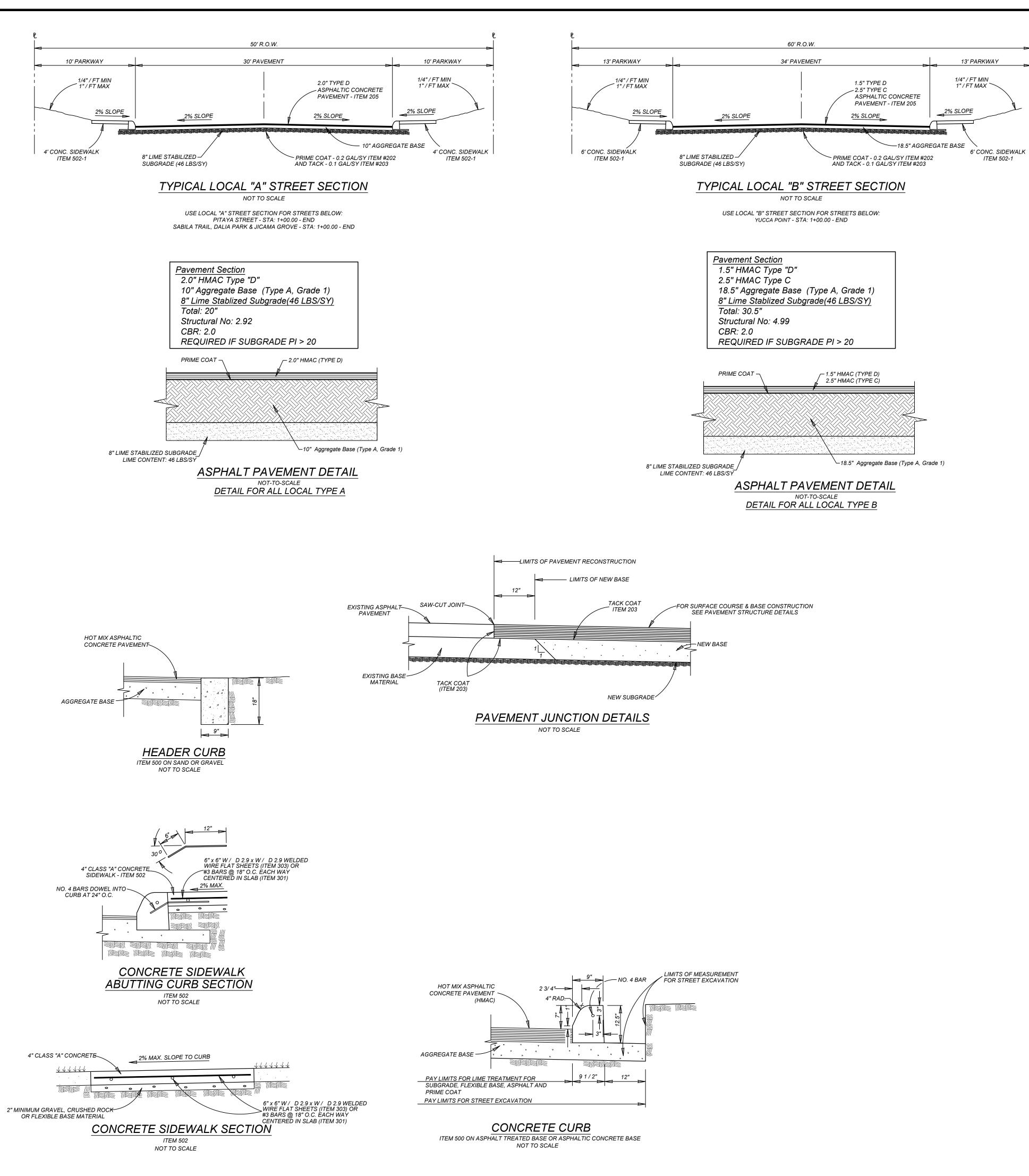
<u>1+00.00 SABI</u> 70.20 PITAYA

<u>CL STA:</u> STA: 1+7









NOTES:

1. PAVEMENT DESIGN THICKNESS BASED ON GEOTECHNICAL REPORT BY INTEC, L.P., PROJECT NO. S241050 DATED 03/21/24.

2. REFERENCE PROJECT GEOTECHNICAL REPORT AND PROJECT SPECIFICATION FOR ADDITIONAL REQUIREMENTS AND ALTERNATE PAVEMENT SECTIONS. 3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING MATERIAL TESTING.

TESTING TO BE PAID BY OWNER. 4. GEOTECHNICAL ENGINEER TO BE ON SITE TO MAKE FINAL SUBGRADE DETERMINATION. CHANGES TO THIS PAVEMENT DESIGN SHALL BE SUBMITTED TO COSA-DSD PRIOR TO PLACEMENT OF BASE MATERIAL.

GENERAL NOTES:

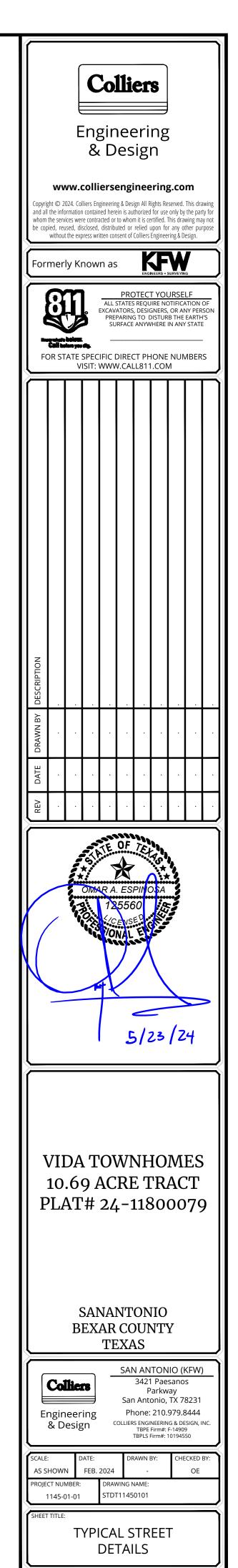
- 1. THE SUBGRADE SOILS SHOULD BE TESTED FOR SOLUBLE SULPHATE CONTENT PRIOR TO INSTALLATION OF THE LIME OR CEMENT.
- 2. THE APPLICATION RATE OF LIME SHALL BE DETERMINED BASED ON LABORATORY TESTING AND SHALL BE THE LOWEST PERCENTAGE OF LIME THAT PROVIDES AN UNCONFINED COMPRESSIVE STRENGTH (UCS) AT 7-DAYS OF AT LEAST 160 PSI IN ACCORDANCE WITH ASTM D5102 STANDARD TEST METHODS FOR UNCONFINED COMPRESSIVE STRENGTH OF COMPACTED SOIL-LIME MIXTURES (PROCEDURE B) (IN ADDITION, CURING SHOULD OCCUR FOR 7 DAYS AT 40° AND SPECIMENS SHOULD BE SUBJECT TO 24-HR CAPILLARY SOAK PRIOR TO TESTING.

FOR CONSTRUCTION VERIFICATION THE FOLLOWING SHALL BE CONDUCTED IN THE FIFI D'

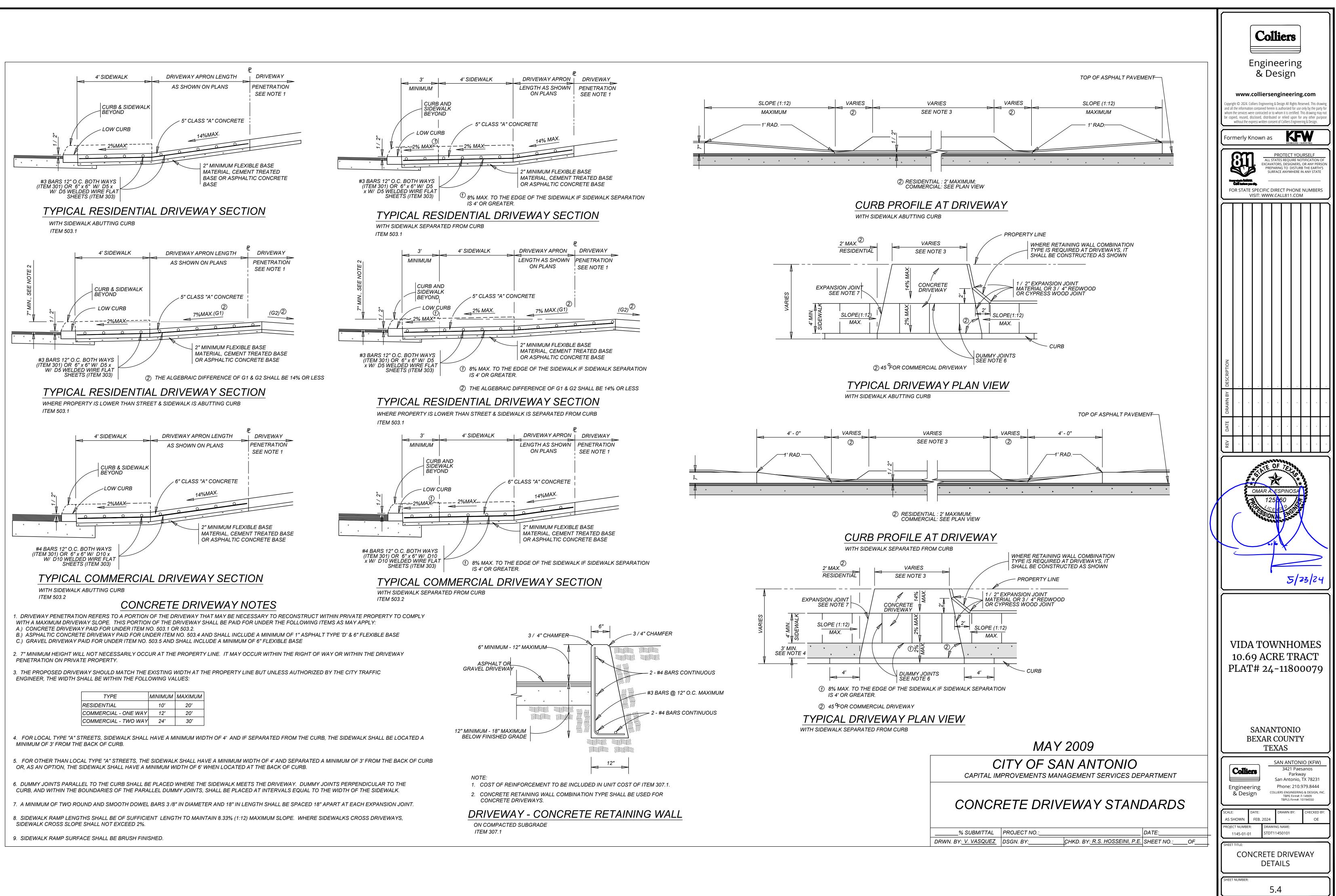
- 1. AFTER INITIAL MIXING THE SOIL-LIME MIXTURE SHALL MELLOW FOR A PERIOD OF TWO TO THREE (2 - 3) DAYS. MAINTAIN MOISTURE DURING MELLOWING;
- 2. AFTER MELLOWING AND FINAL MIXING, THE PULVERIZATION SHALL BE CHECKED USING THE FOLLOWING CRITERIA (REMOVE NON-SLAKING AGGREGATES RETAINED ON THE ³/₄ INCH SIEVE FROM THE SAMPLE): MINIMUM PASSING 1 ¾" SIEVE 100 MINIMUM PASSING 3/4" SIEVE MINIMUM PASSING NO. 4 SIEVE
- 3. SAMPLE SOIL-LIME MIXTURE FOR DETERMINATION OF MAXIMUM DRY DENSITY (MDD). IN THE LABORATORY, MOLD SPECIMENS TO 95% OF MDD AT OPTIMUM MOISTURE CONTENT AND VERIFY UCS TO BE AT LEAST 160 PSI IN ACCORDANCE WITH PROCEDURE OUTLINED ABOVE FOR MIXTURE DESIGN.
- 4. COMPACT AND CHECK FIELD DENSITY (MINIMUM OF 95% OF MDD REQUIRED) 5. CURE FOR AN ADDITIONAL 2 TO 5 DAYS (TOTAL MELLOWING AND CURING TIME
- SHOULD TOTAL AT LEAST 5 DAYS). 6. VERIFY DEPTH OF LIME STABILIZED LAYER TO DEPTH AS NOTED ON PLAN TO WITHIN ± 1.0 INCH.

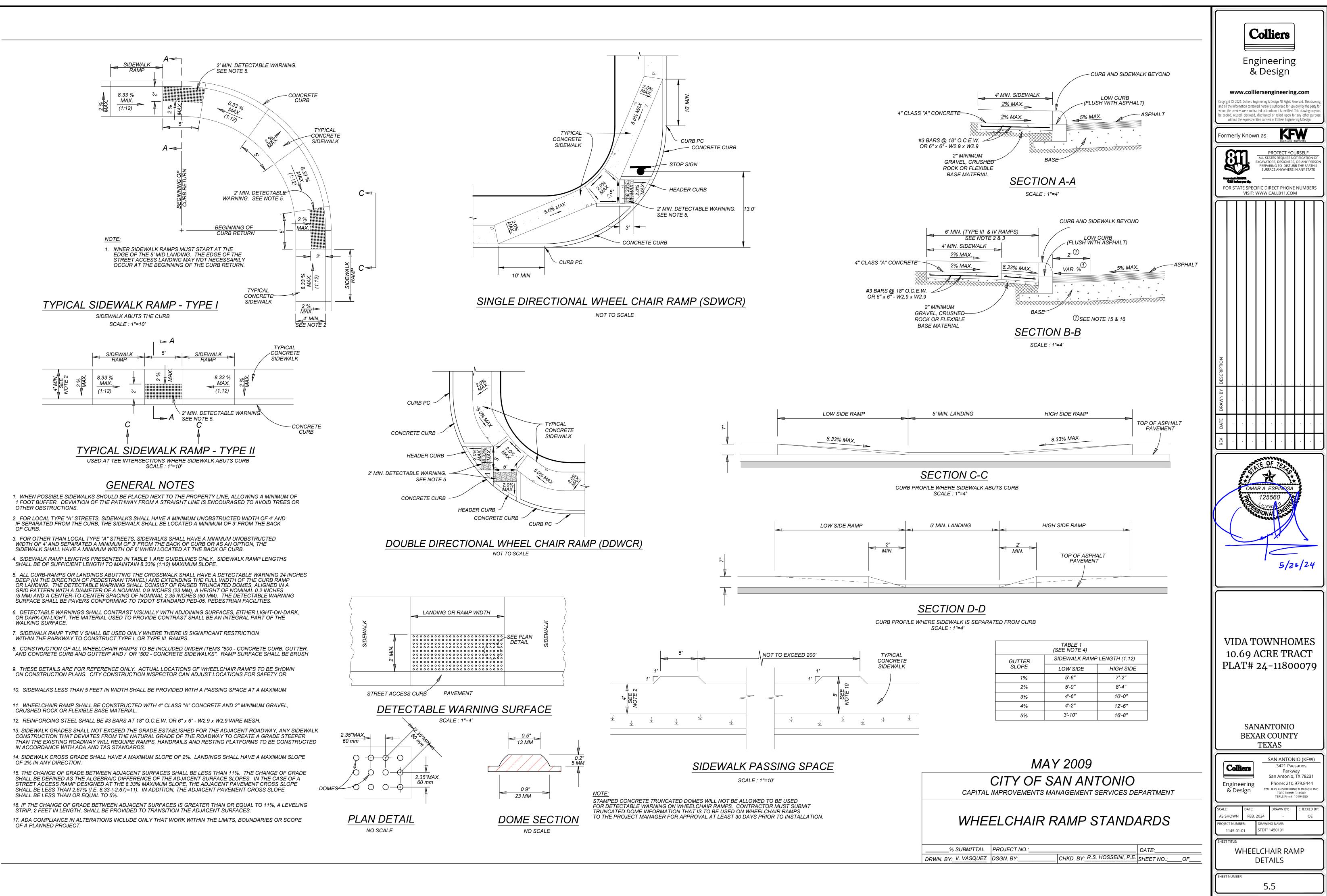
NOTES:

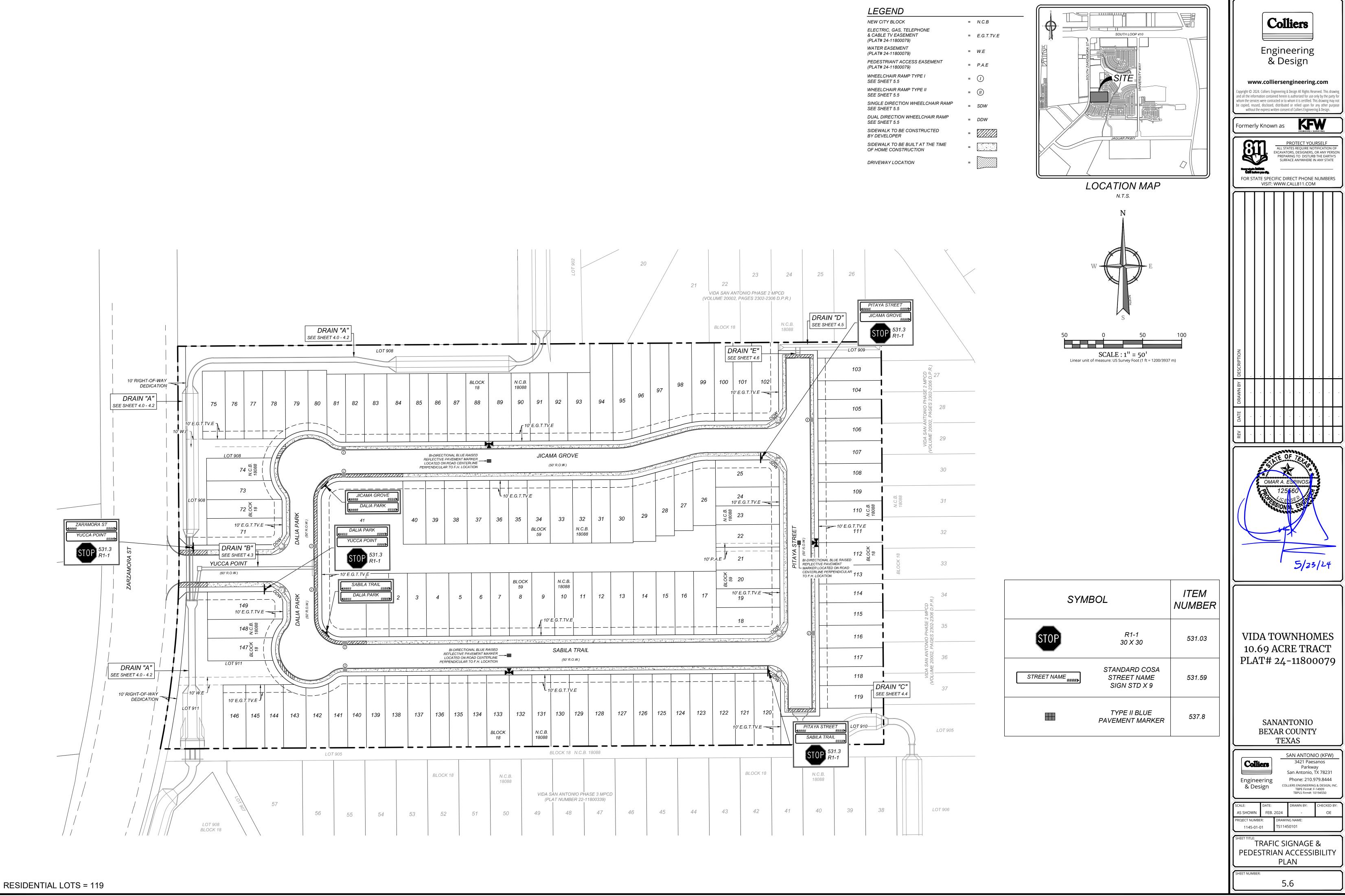
- ANY FILL USED TO RAISE THE SUBGRADE:
- SHOUD NOT CONTAIN ANY DELETERIOUS MATERIAL. SHOULD HAVE A CBR VALUE OF 2.0 OR GREATER
- SHOULD NOT HAVE GRAVELS LARGER THAN 3 INCH IN SIZE • SHOULD HAVE THE "LIME PERCENTAGE/APPLICATION RATE" RE-RUN
- PRIOR TO INSTALLATION
- PSI SHOULD BE LESS THAN 20

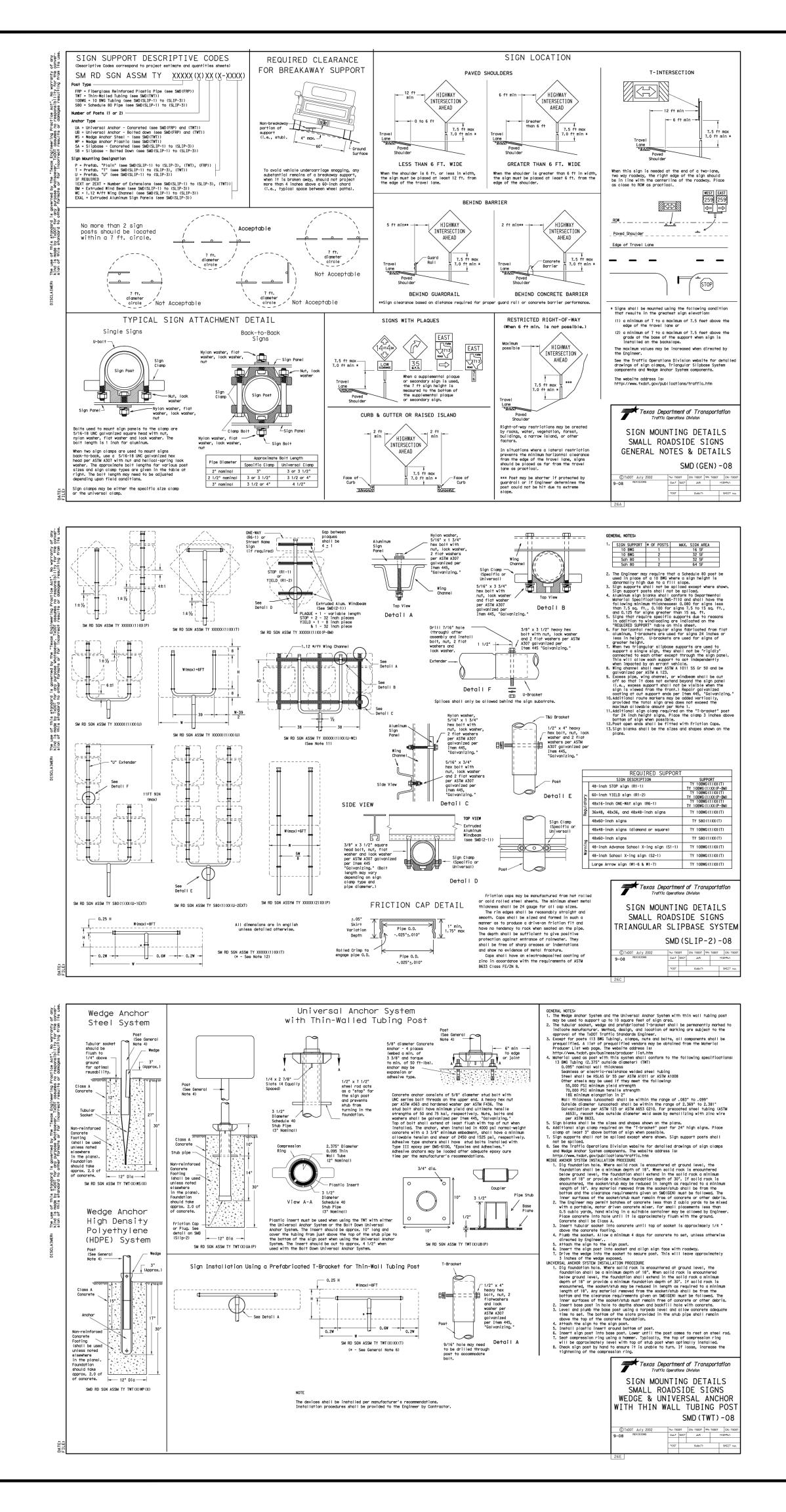


5.3

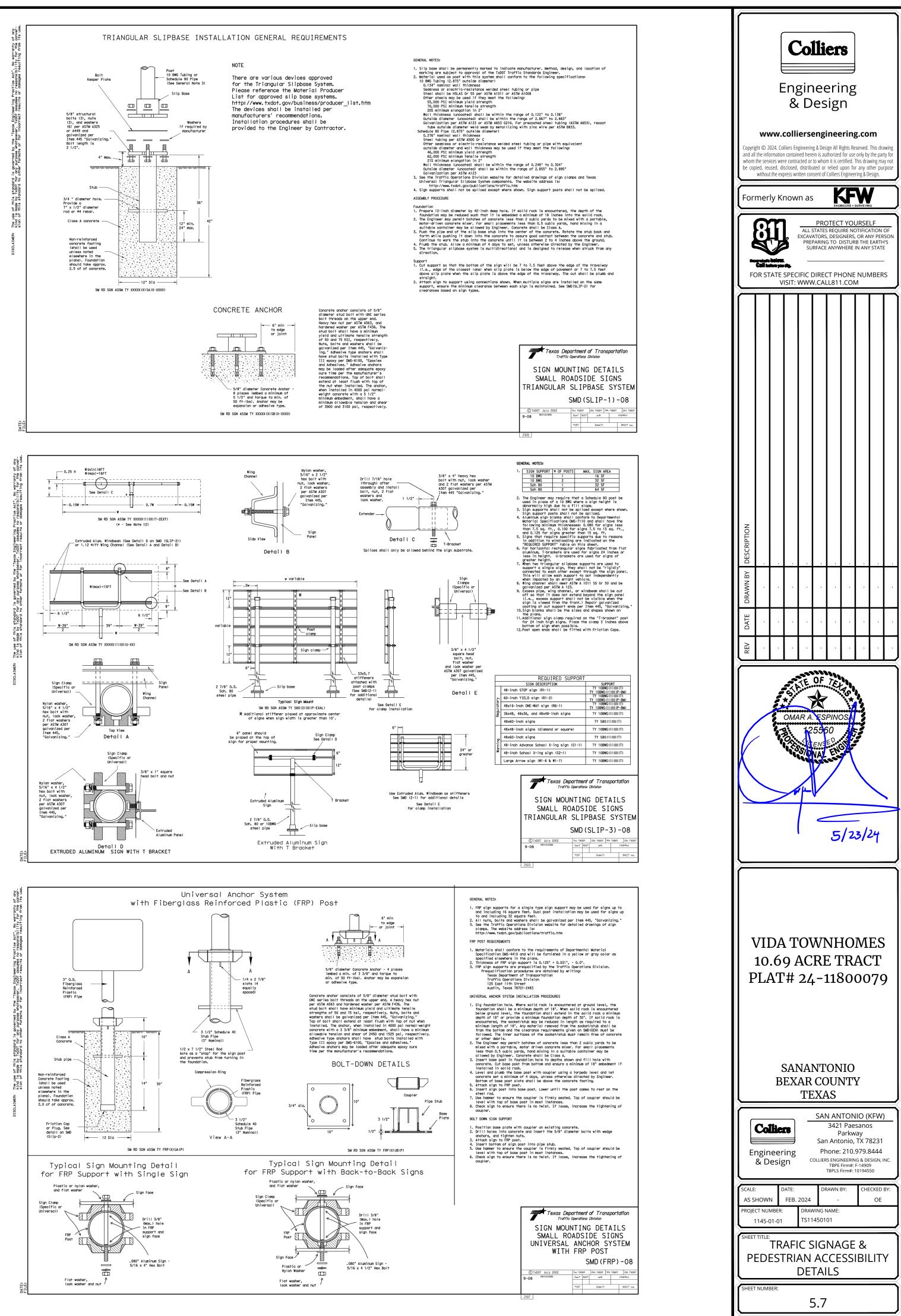






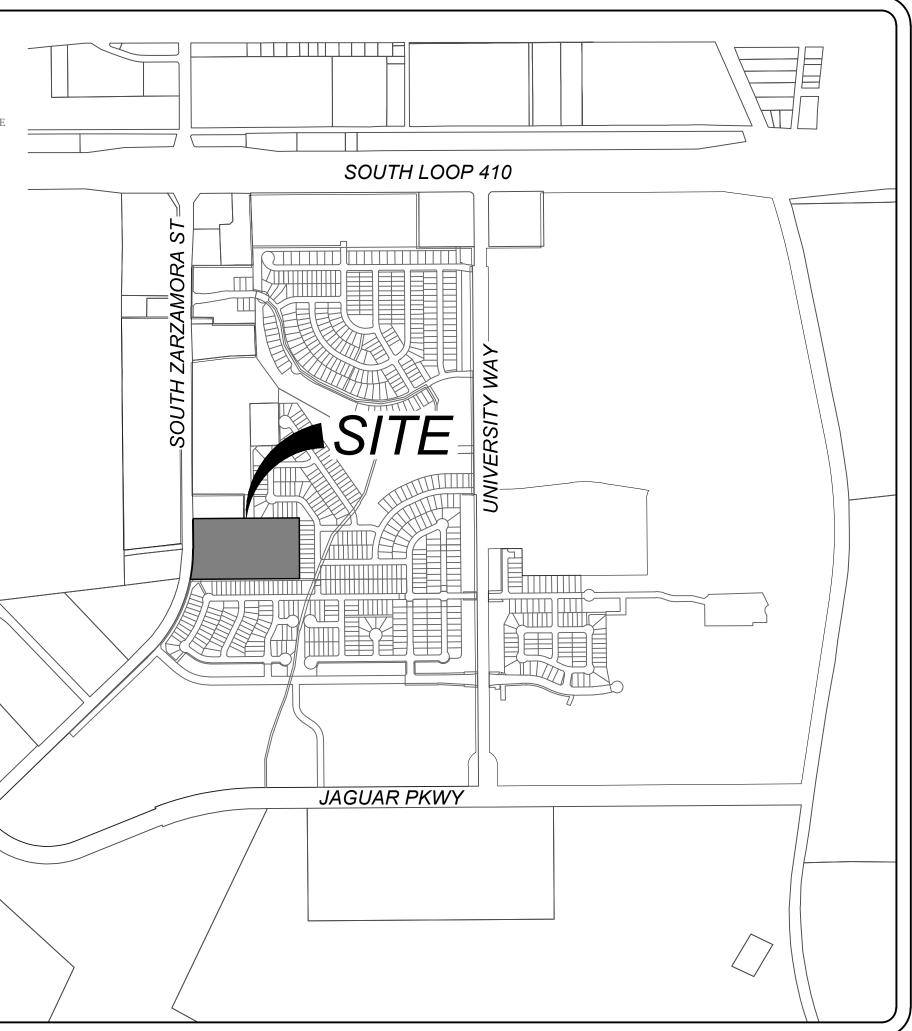


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	VIDA TOW
	SANI7
SAWS CONSTRUCTION NOTES COUNTER PERMIT AND GENERAL CONSTRUCTION PERMIT January 2022 <u>General Section</u> 1. All materials and construction procedures within the scope of this contract shall be approved by the San	N
 Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable: A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290. B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage". C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction". D. Current City of San Antonio "Standard Specifications for Public Works Construction". E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM). 	W
 The contractor shall not proceed with any pipe installation work until they obtain a copy of the approved Counter Permit or General Construction Permit (GCP) from the consultant and has been notified by SAWS Construction Inspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements. Work completed by the contractor without an approved Counter Permit and/or a GCP will be subject to removal and replacement at the expense of the contractors and/or the developer. The Contractor shall obtain the SAWS Standard Details from the SAWS website, http://www.saws.org/business_center/specs. Unless otherwise noted within the design plans. The Contractor is to make arrangements with the SAWS Construction Inspection Division at (210) 233-2973, on notification procedures that will be used to notify affected home residents and/or property 	
 owners 48 hours prior to beginning any work. 5. Location and depth of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor at least 1 week prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS. 6. The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2 weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes: SAWS Utility Locates: http://www.saws.org/Service/Locates 	
 COSA Drainage (210) 207-0724 or (210) 207-6026 COSA Traffic Signal Operations (210) 206-8480 COSA Traffic Signal Damages (210) 207-3951 Texas State Wide One Call Locator 1-800-545-6005 or 811 The Contractor shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping and structures to its original or better condition if damages are made as a result of the project's construction. All work in Texas Department of Transportation (TxDOT) and/or Bexar County right-of-way shall be done in accordance with respective construction specifications and permit requirements. 	
 9. The Contractor shall comply with City of San Antonio or other governing municipality's tree ordinances when excavating near trees. 10. The Contractor shall not place any waste materials in the 100-year Flood Plain without first obtaining an approved Flood Plain Permit. 11. Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays. Request should be sent to constworkreq@saws.org. Weekend Work: Contractors are required to notify the SAWS Inspection Construction Department 48 hours in advance to request weekend work. Request should be sent to constworkreq@saws.org. Any and all SAWS utility work installed without holiday/weekend approval will be subject to be uncovered for proper inspection. 12. Compaction note (Item 804): The contractor shall be responsible for meeting the compaction requirements 	
 on all trench backfill and for paying for the tests performed by a third party. Compaction tests will be done at one location point randomly selected, or as indicated by the SAWS Inspector and/or the test administrator, per each 12-inch loose lift per 400 linear feet at a minimum. This project will not be accepted and finalized by SAWS without this requirement being met and verified by providing all necessary documented test results. 13. A copy of all testing reports shall be forwarded to SAWS Construction Inspection Division. Sewer Notes The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. A copy of a properties of the second particular of the second part of the second	
 All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials. E. Clean the affected sewer mains and remove any debris. F. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the other addressing the source of the SM and the source of the SSO. 	
 affected sewer mains (at SAWS direction) within 24 hours. Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA, TCEQ and/or any other Federal, State or Local Agencies. No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS. If bypass pumping is required, the Contractor shall perform such work in accordance with SAWS Standard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass Pumping". Prior to tie-ins, any shutdowns of existing force mains of any size must be coordinated with the SAWS Construction Inspection Division at (210) 233-2973 at least one week in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the 	
 responsibility of the Contractor to sequence the work accordingly. Sewer pipe where water line crosses shall be 160 psi and meet the requirements of ASTM D2241, TAC 217.53 and TCEQ 290.44(e)(4)(B). Contractor shall center a 20' joint of 160 psi pressure rated PVC at the proposed water crossing. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY: It shall be the responsibility of the Contractor to make allowances and adjustments for top of manholes to match the finished grade of the project's improvements. (NSPI) Spills, Overflows, or Discharges of Wastewater: All spills, overflows, or discharges of wastewater, recycled water, petroleum products, or chemicals must be reported immediately to the SAWS Inspector assigned to the Counter Permit or General Construction Permit (GCP). This requirement applies to every spill, overflow, or discharge 	
 Permit of General Construction Permit (GCP). This requirement applies to every spin, overnow, or discharge regardless of size. Manhole and all pipe testing (including the TV inspection) must be performed and passed prior to Final Field Acceptance by SAWS Construction Inspection Division, as per the SAWS Specifications For Water and Sanitary Sewer Construction. All PVC pipe over 14 feet of cover shall be extra strength with minimum pipe stiffness of 115 psi. 	

NHOMES 10.69 ACRE TRACT BEXAR COUNTY, TEXAS TARY SEWER IMPROVEMENTS



LOCATION MAP

N.T.S.

OWNER/DEVELOPER: BRIGHTON CORPORATION 2929 W NAVIGATOR DR., SUITE 400 MERIDIAN, IDAHO 83642

INDEX	
DESCRIPTION	SHEET
	NO.
SANITARY SEWER COVER SHEET	6.0
OVERALL SANITARY SEWER PLAN	6.1
LINE "A" PLAN & PROFILE	6.2
LINE "B" PLAN & PROFILE	6.3
LINE "C" PLAN & PROFILE	6.4
EXISTING LINE PLAN & PROFILE	6.5

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	SHEET	TITLE	SA		TA VE				R		

TOTAL LINEAR FOOTAGE OF PIPE: 1,876.29 LF ~ 8" SDR 26 PLAT NO.: 24-11800079 SHEET NUMBER: SAWS JOB#: 24-1549 6.0

ZIP: 83642

TOTAL EDU'S: 120

TOTAL ACREAGE: 10.69 ACRES

SEWER - WEST SEWERSHED - LEON CREEK W.R.C.

STATE: IDAHO

DEVELOPER'S NAME: BRIGHTON CORPORATION

CITY: MERIDIAN

SAWS BLOCK MAP#: 148536

NUMBER OF LOTS: 120

PHONE#:

DEVELOPER'S ADDRESS: 2929 W NAVIGATOR DR., SUITE 400

FAX#

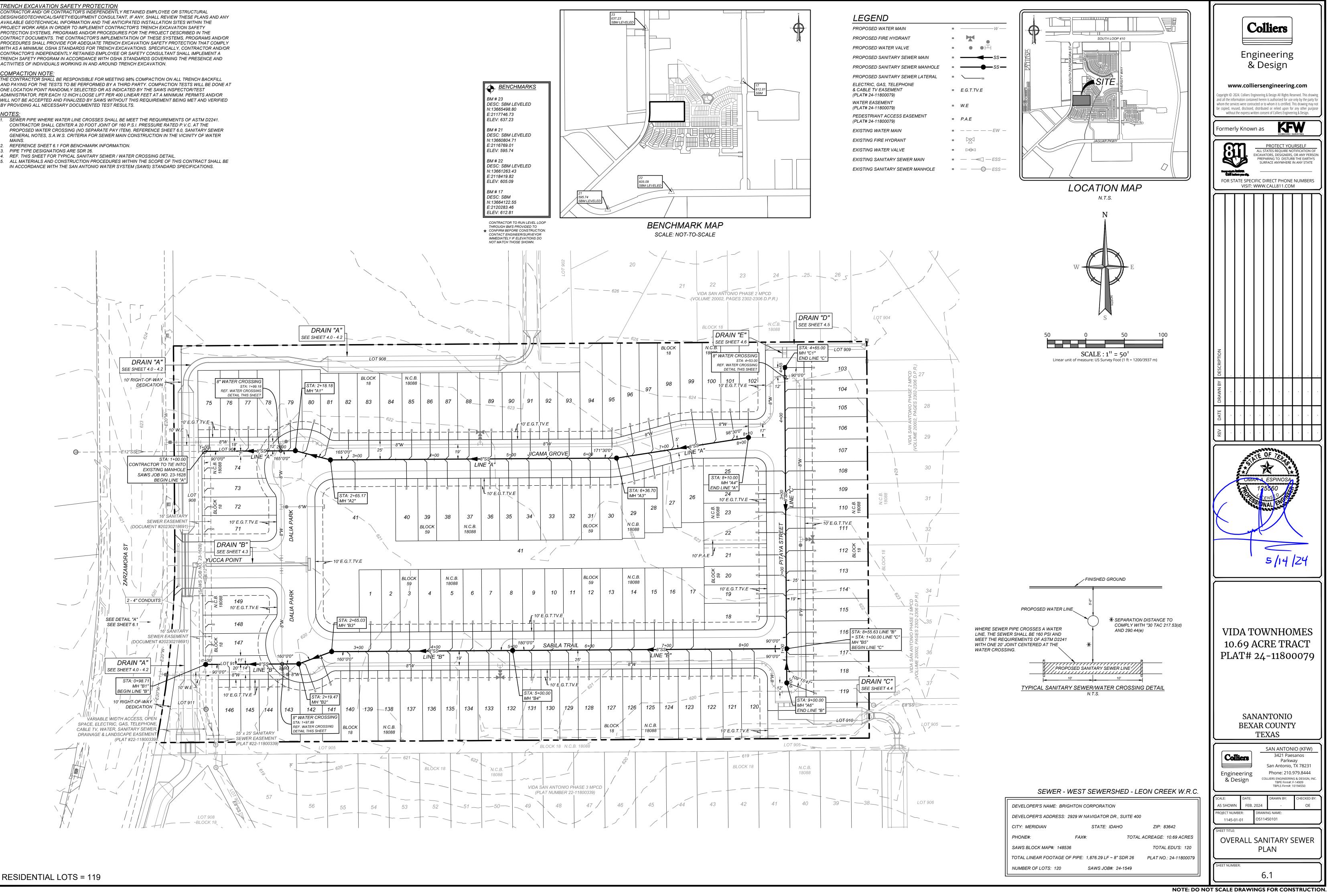
RENCH EXCAVATION SAFETY PROTECTION

DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES 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

COMPACTION NOTE

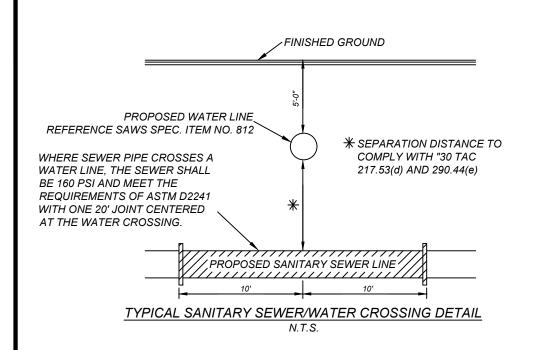
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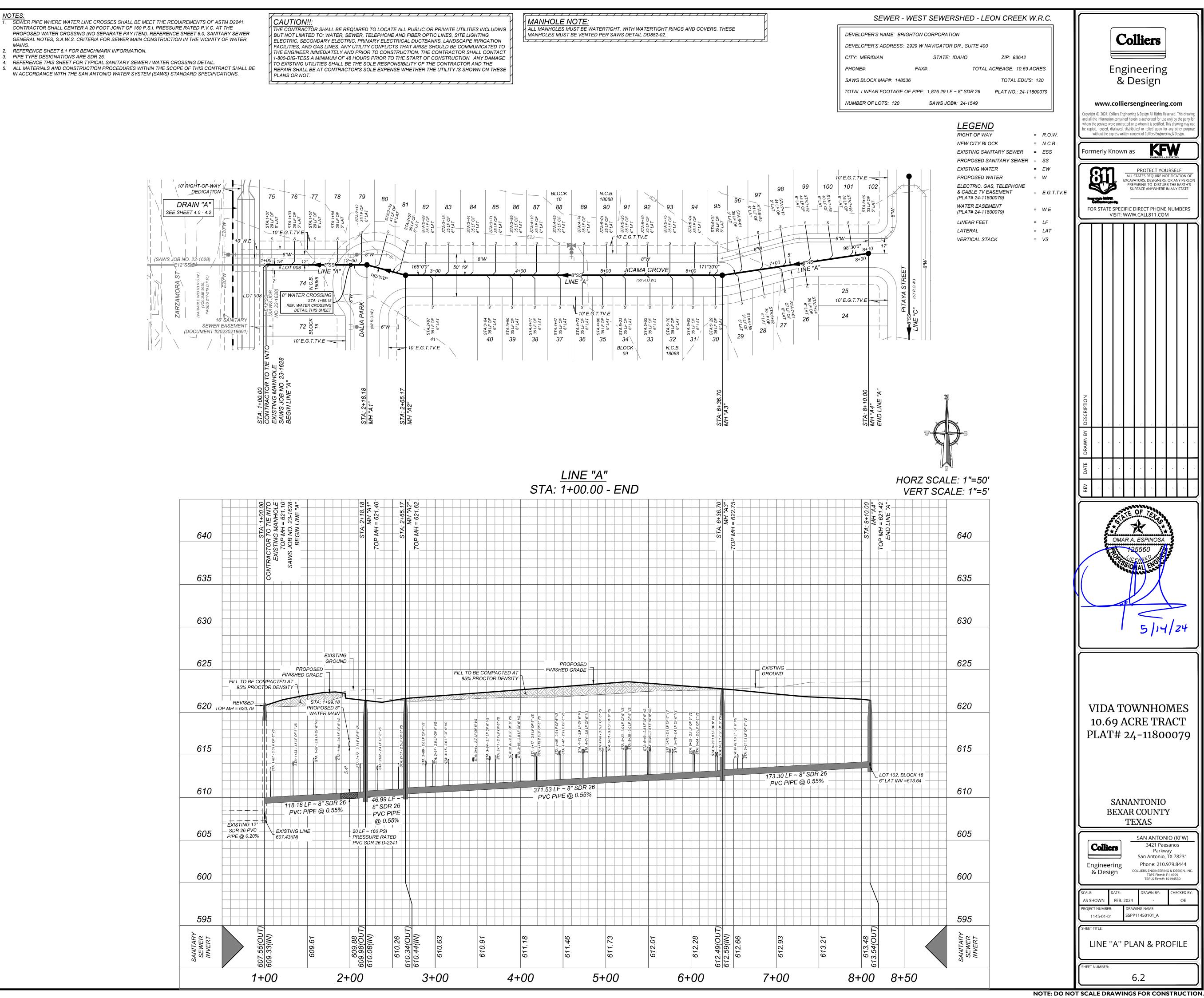


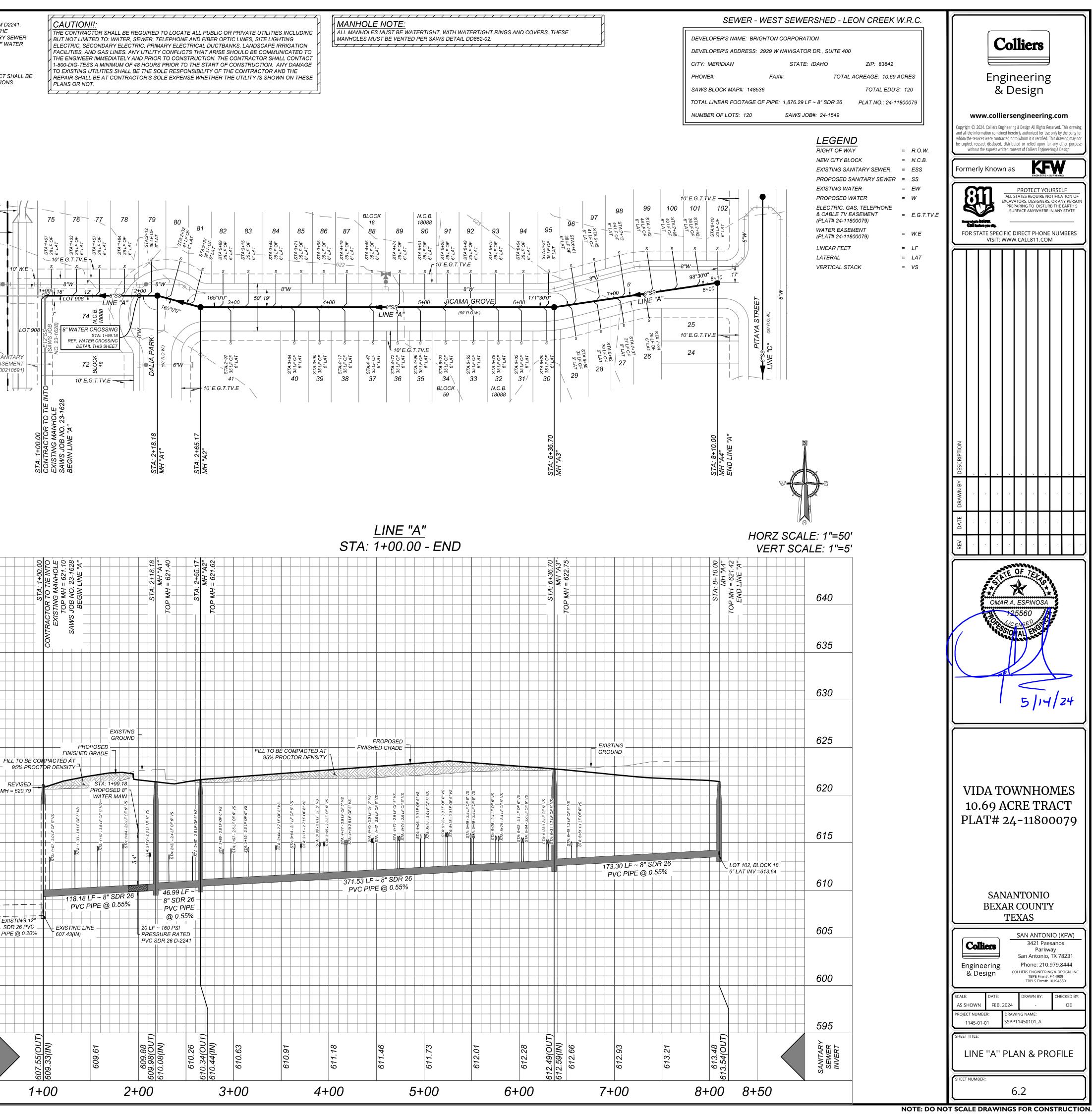
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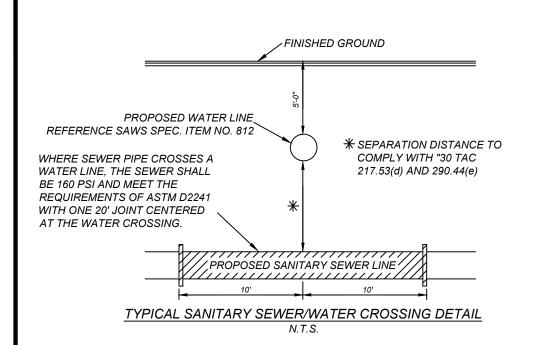
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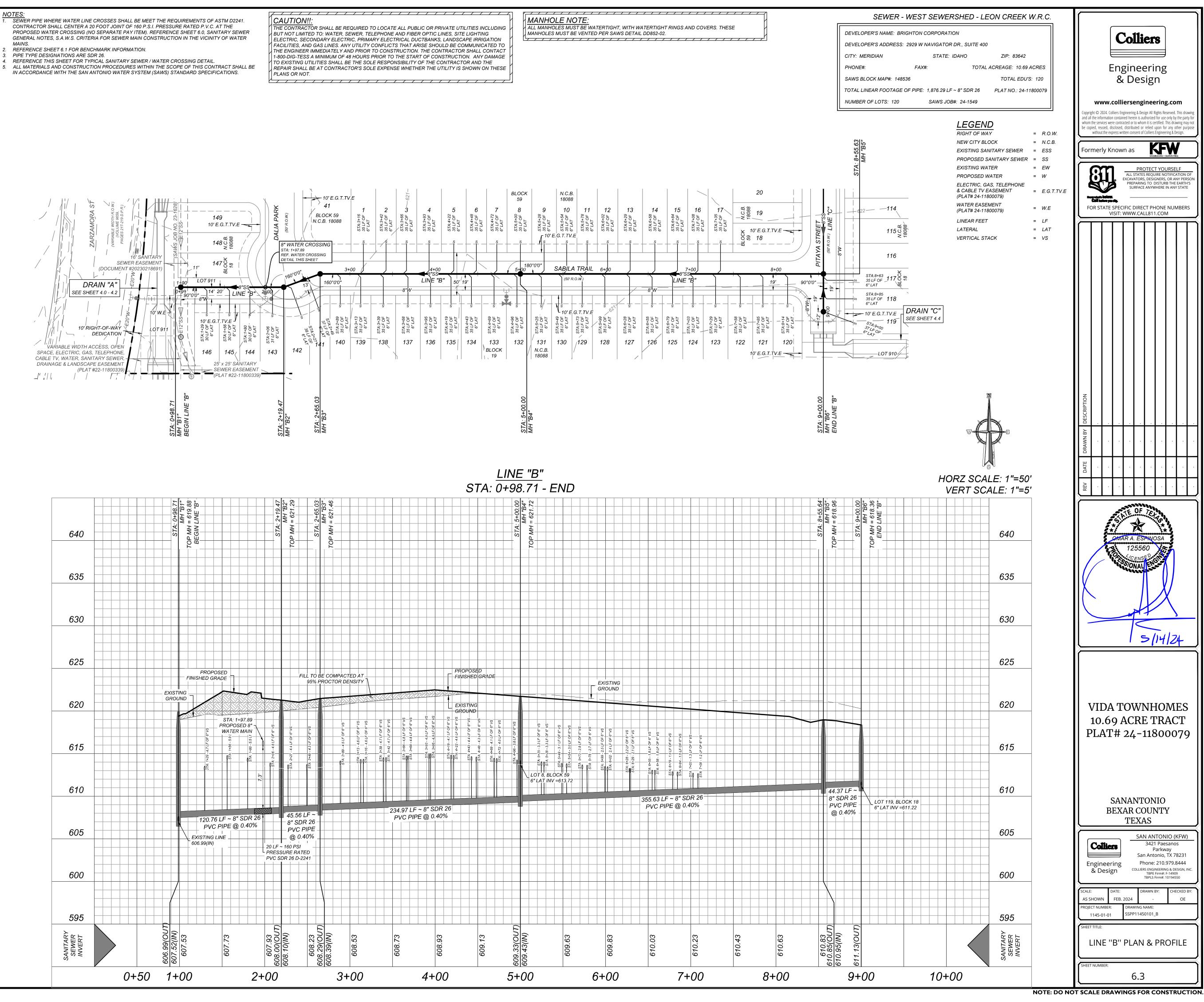
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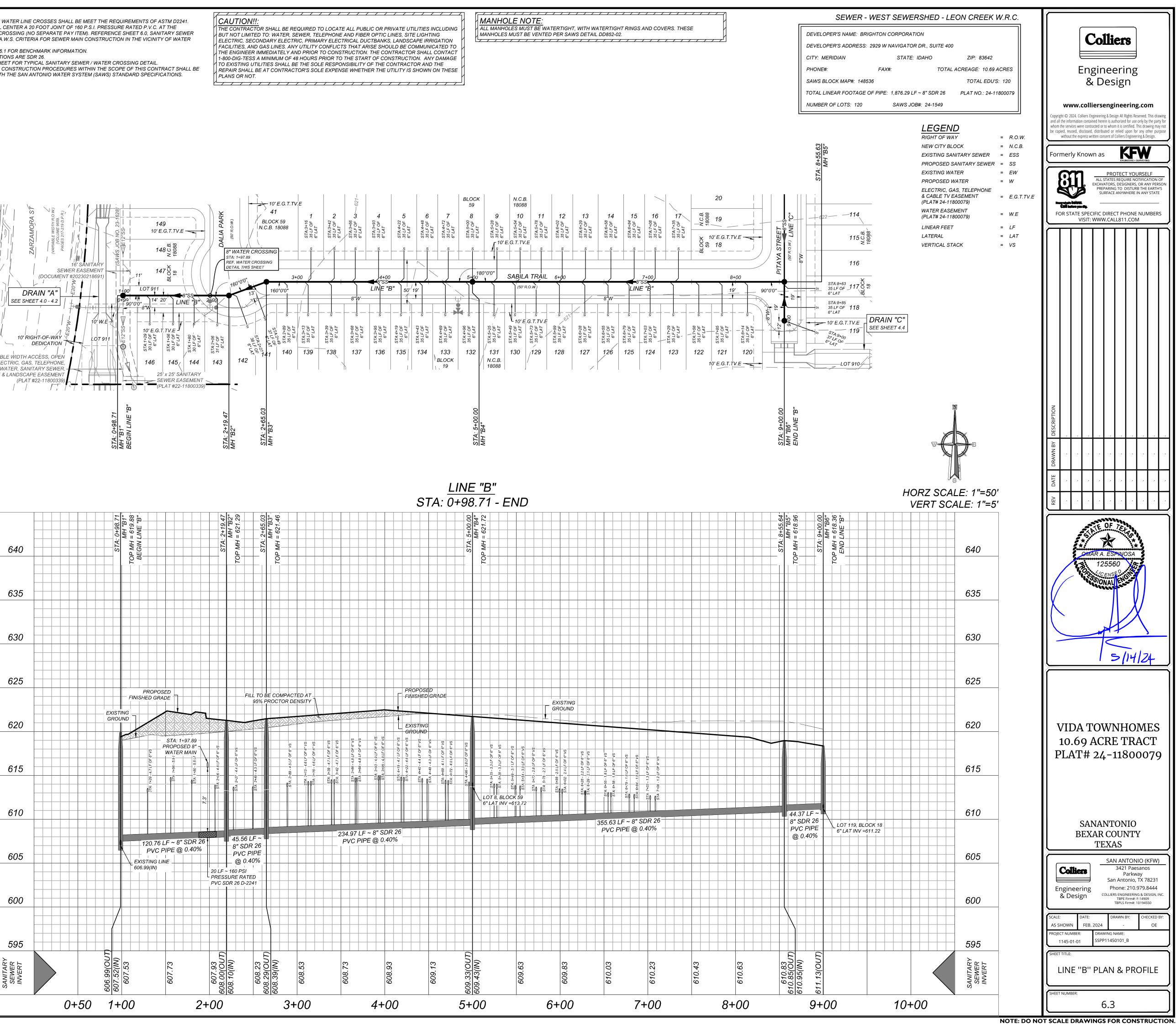
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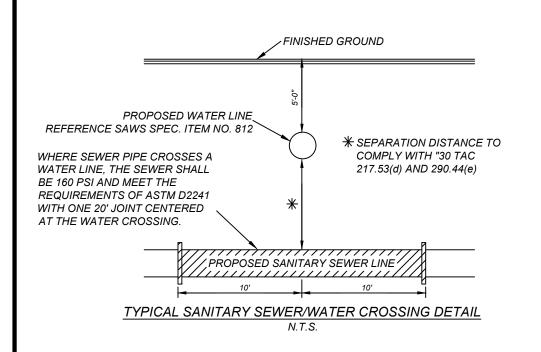
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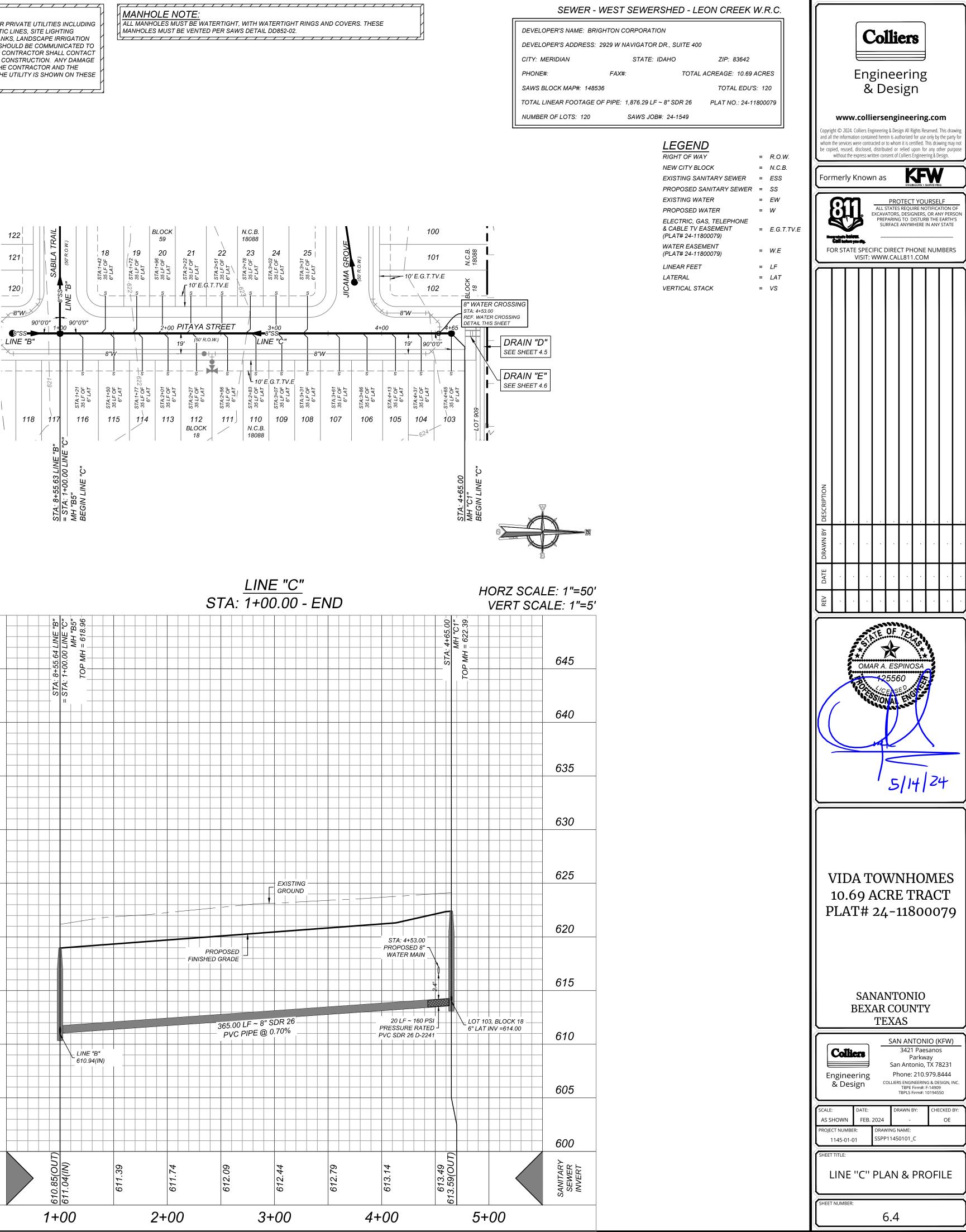
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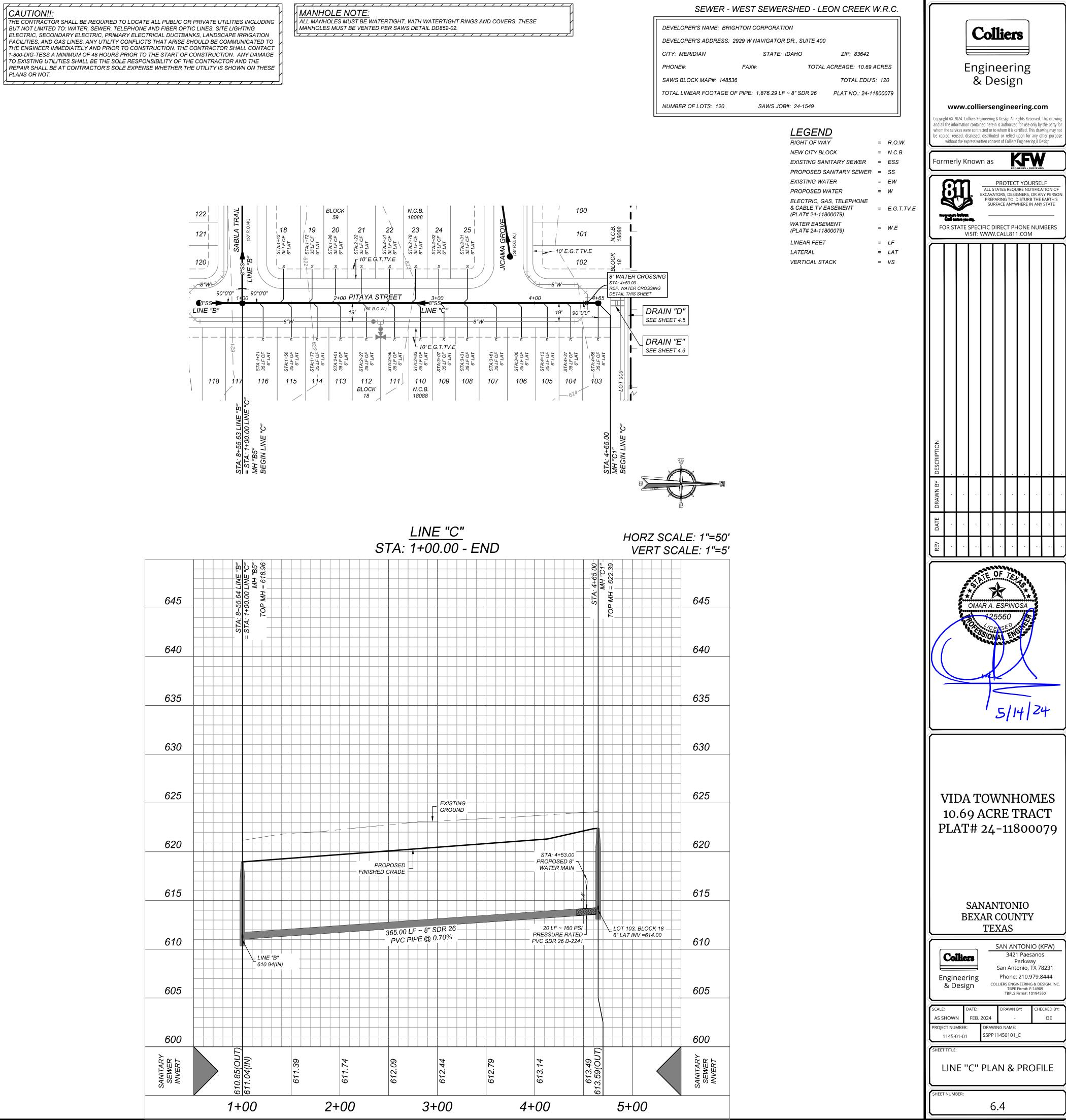
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- <u>NOTES:</u> 1. SEWER PIPE WHERE WATER LINE CROSSES SHALL BE MEET THE REQUIREMENTS OF ASTM D2241. CONTRACTOR SHALL CENTER A 20 FOOT JOINT OF 160 P.S.I. PRESSURE RATED P.V.C. AT THE PROPOSED WATER CROSSING (NO SEPARATE PAY ITEM). REFERENCE SHEET 6.0, SANITARY SEWER GENERAL NOTES, S.A.W.S. CRITERIA FOR SEWER MAIN CONSTRUCTION IN THE VICINITY OF WATER MAINS REFERENCE SHEET 6.1 FOR BENCHMARK INFORMATION. 2 PIPE TYPE DESIGNATIONS ARE SDR 26.
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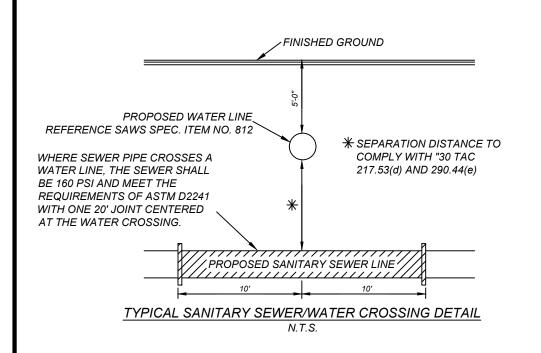
CAUTION!!: THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.





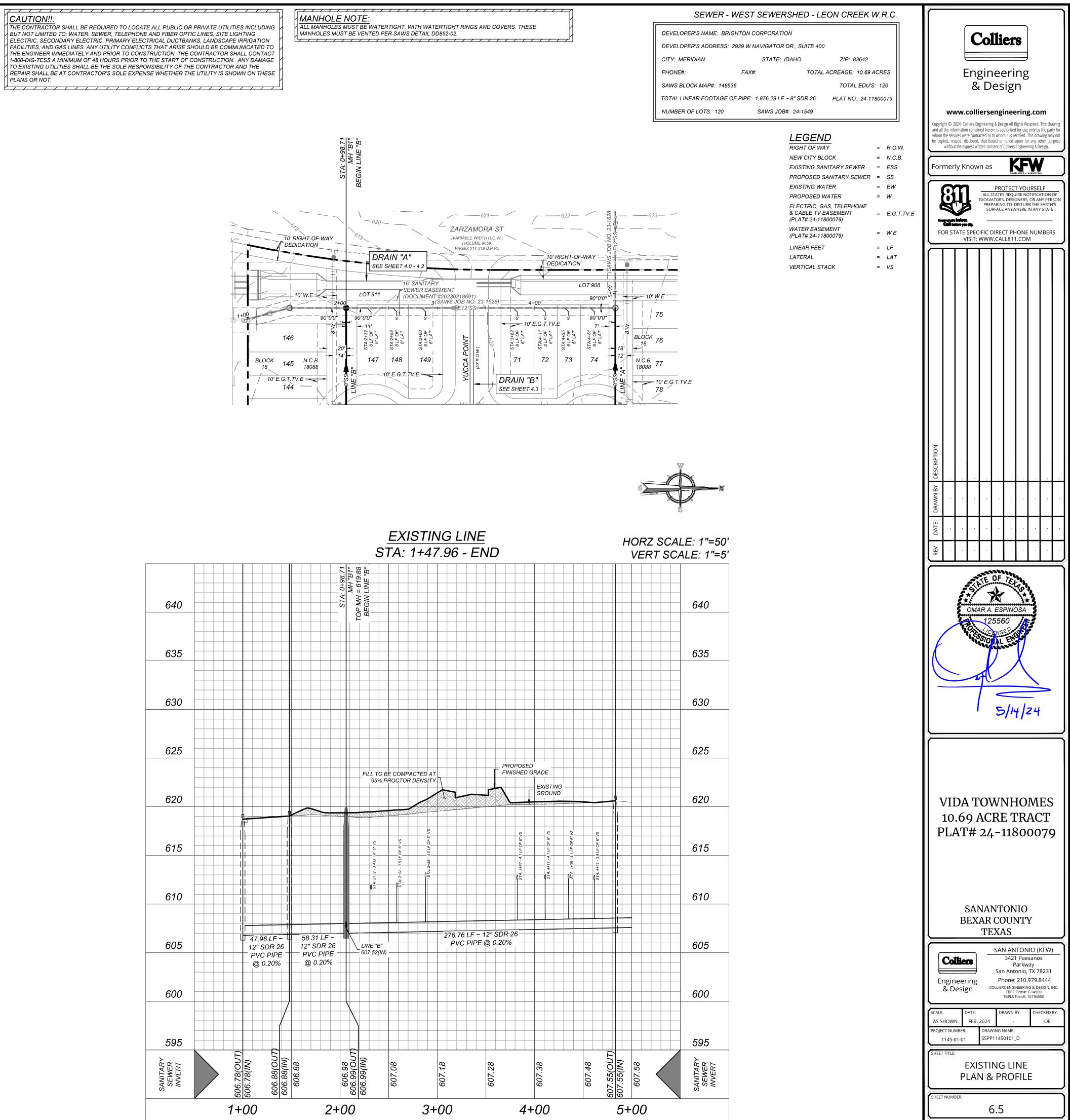
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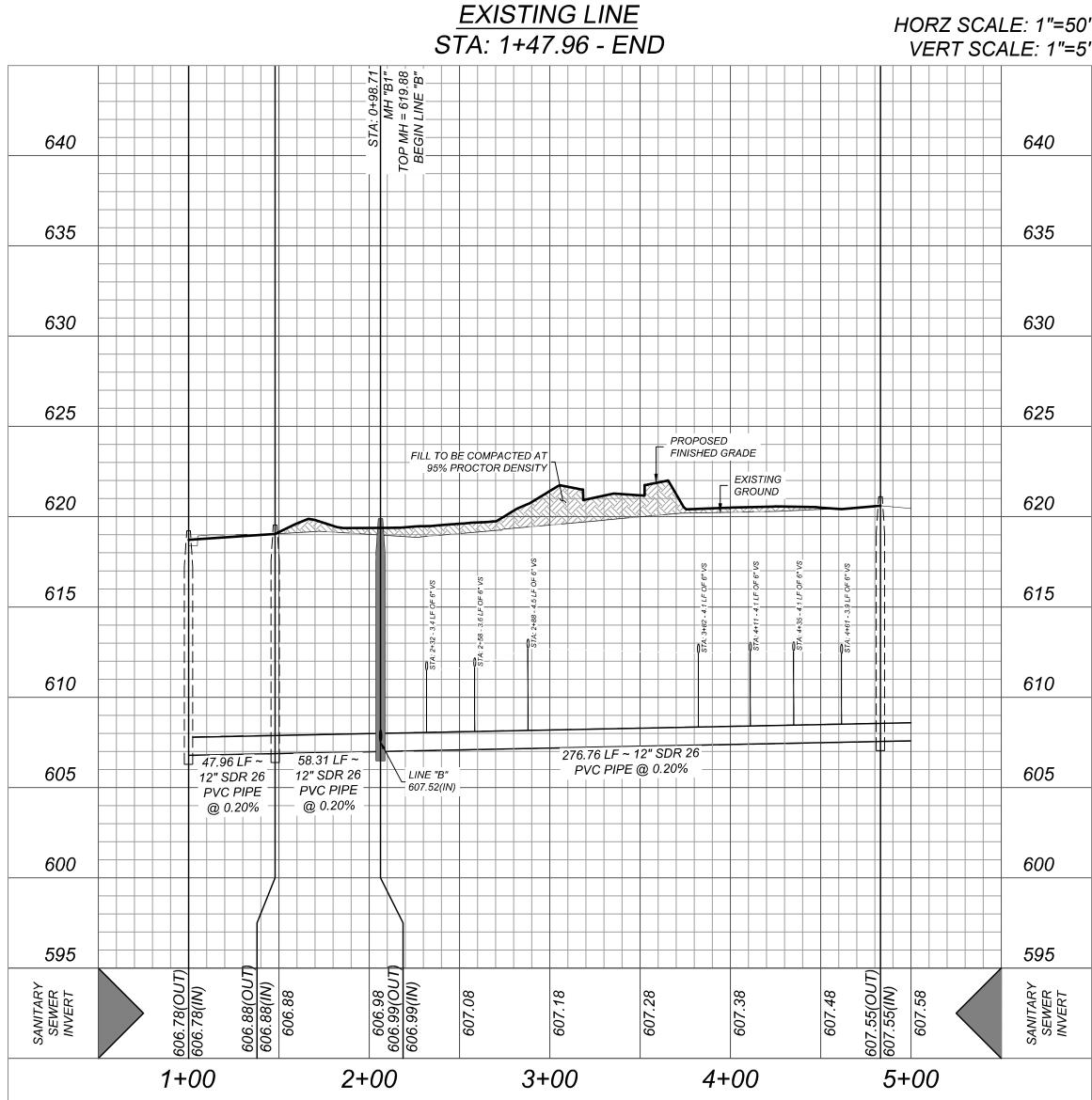
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- <u>NOTES:</u> 1. SEWER PIPE WHERE WATER LINE CROSSES SHALL BE MEET THE REQUIREMENTS OF ASTM D22 CONTRACTOR SHALL CENTER A 20 FOOT JOINT OF 160 P.S.I. PRESSURE RATED P.V.C. AT THE PROPOSED WATER CROSSING (NO SEPARATE PAY ITEM). REFERENCE SHEET 6.0, SANITARY SE GENERAL NOTES, S.A.W.S. CRITERIA FOR SEWER MAIN CONSTRUCTION IN THE VICINITY OF WA MAINS REFERENCE SHEET 6.1 FOR BENCHMARK INFORMATION. 2 PIPE TYPE DESIGNATIONS ARE SDR 26.
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SAWS CONSTRUCTION NOTES

COUNTER PERMIT AND GENERAL CONSTRUCTION PERMIT January 2022

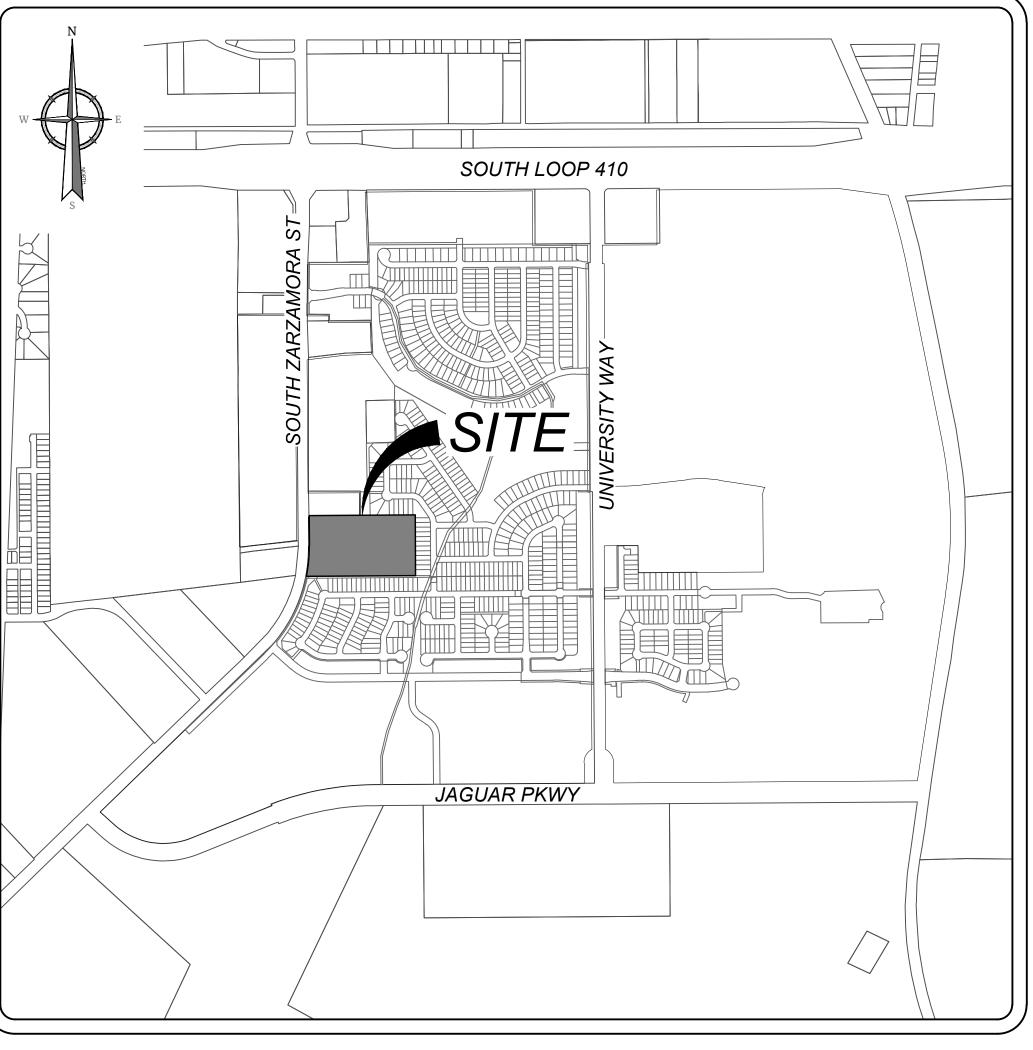
General Section

- All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:

 Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic
- Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290.
 B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage".
 C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction".
- D. Current City of San Antonio "Standard Specifications for Public Works Construction" E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).
- 2. The contractor shall not proceed with any pipe installation work until they obtain a copy of the approved Counter Permit or General Construction Permit (GCP) from the consultant and has been notified by SAWS Construction Inspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements. Work completed by the contractor without an approved Counter Permit and/or a GCP will be subject to removal and replacement at the expense of the contractors and/or the developer.
- 3. The Contractor shall obtain the SAWS Standard Details from the SAWS website,
- http://www.saws.org/business_center/specs. Unless otherwise noted within the design plans.
 The Contractor is to make arrangements with the SAWS Construction Inspection Division at (210)
- 233-2973, on notification procedures that will be used to notify affected home residents and/or property owners 48 hours prior to beginning any work.
 Location and depth of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor at least 1 week prior to
- construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS.
 6. The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2
- weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes:
- SAWS Utility Locates: http://www.saws.org/Service/Locates
 COSA Drainage (210) 207-0724 or (210) 207-6026
- COSA Dramage (210) 207-0724 or (210) 207-002
 COSA Traffic Signal Operations (210) 206-8480
- COSA Traffic Signal Damages (210) 207-3951
 Texas State Wide One Call Locator 1-800-545-6005 or 811
- 7. The Contractor shall be responsible for restoring existing
- fences, curbs, streets, driveways, sidewalks, landscaping and structures to its original or better condition if damages are made as a result of the project's construction.
 8. All work in Texas Department of Transportation (TxDOT) and/or Bexar County right-of-way shall be done in
- accordance with respective construction specifications and permit requirements. 9. The Contractor shall comply with City of San Antonio or other governing municipality's tree ordinances
- when excavating near trees. 10. The Contractor shall not place any waste materials in the 100-year Flood Plain without first obtaining an
- approved Flood Plain Permit.
 11. Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays. Request should be sent to constworkreq@saws.org. Weekend Work: Contractors are required to notify the SAWS Inspection Construction Department 48 hours in advance to request weekend work. Request should be sent to constworkreq@saws.org. Any and all SAWS utility work installed without holiday/weekend approval will be subject to be uncovered for proper inspection.
- 12. Compaction note (Item 804): The contractor shall be responsible for meeting the compaction requirements on all trench backfill and for paying for the tests performed by a third party. Compaction tests will be done at one location point randomly selected, or as indicated by the SAWS Inspector and/or the test administrator, per each 12-inch loose lift per 400 linear feet at a minimum. This project will not be accepted and finalized by SAWS without this requirement being met and verified by providing all necessary documented test results.
- 13. A copy of all testing reports shall be forwarded to SAWS Construction Inspection Division.

Water Section

- Prior to tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS Construction Inspection Division at least one week in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.
 For water mains 12" or higher: SAWS Emergency Operations Center (210) 233-2014
- 2. Asbestos Cement (AC) pipe, also known as transite pipe which is known to contain asbestos containing material (ACM), may be located within the project limits. Special waste management procedures and health and safety requirements will be applicable when removal and/or disturbance of this pipe occurs. Such work is to be made under Special Specification Item No. 3000, "Special Specification for Handling Asbestos Cement Pipe".
- 3. Valve removal: Where the contractor is to abandon a water main, the control valve located on the abandoning branch will be removed and replaced with a cap/plug. (NSPI)
- Suitable anchorage/thrust blocking or joint restraint shall be provided at all of the following main locations: dead ends, plugs, caps, tees, crosses, valves, and bends, in accordance with the Standard Drawings DD-839 Series and Item No. 839, in the SAWS Standard Specifications for Construction.
 All valves shall read "open right".
- 6. PRVs Required: Contractor to verify that no portion of the tract is below ground elevation of <u>605</u> feet where the static pressure will normally exceed 80 PSI. At all such locations where the ground level is below <u>605</u> feet, the Developer or Builder shall install at each lot, on the customer's side of the meter, an approved type pressure regulator in conformance with the Plumbing Code of the City of San Antonio. No dual services allowed for any lot(s) if *PRV is/are required for such lot(s), only single service connections shall be allowed. *Note: A pressure regulator is also known as a pressure reducing valve (PRV).
- 7. Pipe Disinfection with Dry HTH for Projects less than 800 linear feet. (Item No. 847.3): Mains shall be disinfected with dry HTH where shown in the contract documents or as directed by the Inspector, and shall not exceed a total length of 800 feet. This method of disinfection will also be followed for main repairs. The Contractor shall utilize all appropriate safety measure to protect his personnel during disinfection
- operations. 8. Backflow Prevention Devices:
- All irrigation services within residential areas are required to have backflow prevention devices.
 All commercial backflow prevention devices must be approved by SAWS prior to installation.
 Final connection to the existing water main shall not be made until the water main has been pressure tested, chlorinated, and SAWS has released the main for tie-in and use.
- Division Valves: Division Valves shown on plans or not shown on plans but found in the field shall only be operated by SAWS Distribution and Collection staff and only with prior written approval of the SAWS Director of Production and Operations and proper coordination with all SAWS departments. Contractor shall provide written notification to the inspector a minimum of two weeks in advance to start the coordination process and will be informed by the Inspector when the division valve will be operated by the SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff member not the inspector or the contractor. Operation of a Division Valve without the express prior written approval of the SAWS Distribution and Collection staff will constitute a material breach of any written SAWS contract or permit in addition to subjecting the Contractor to liability for any and all fines, fees, or other damages, direct or consequential, that may arise from or be caused by the operation of the valve without prior written permission. Please be informed that the approval of the operation or opening or closing of a division valve can take several weeks for approval. Division Valves will also have a valve lid labeled Division Valve and a locking mechanism installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff.



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VIDA TOWNHOMES 10.69 ACRE TRACT BEXAR COUNTY, TEXAS WATER IMPROVEMENTS

N.T.S.

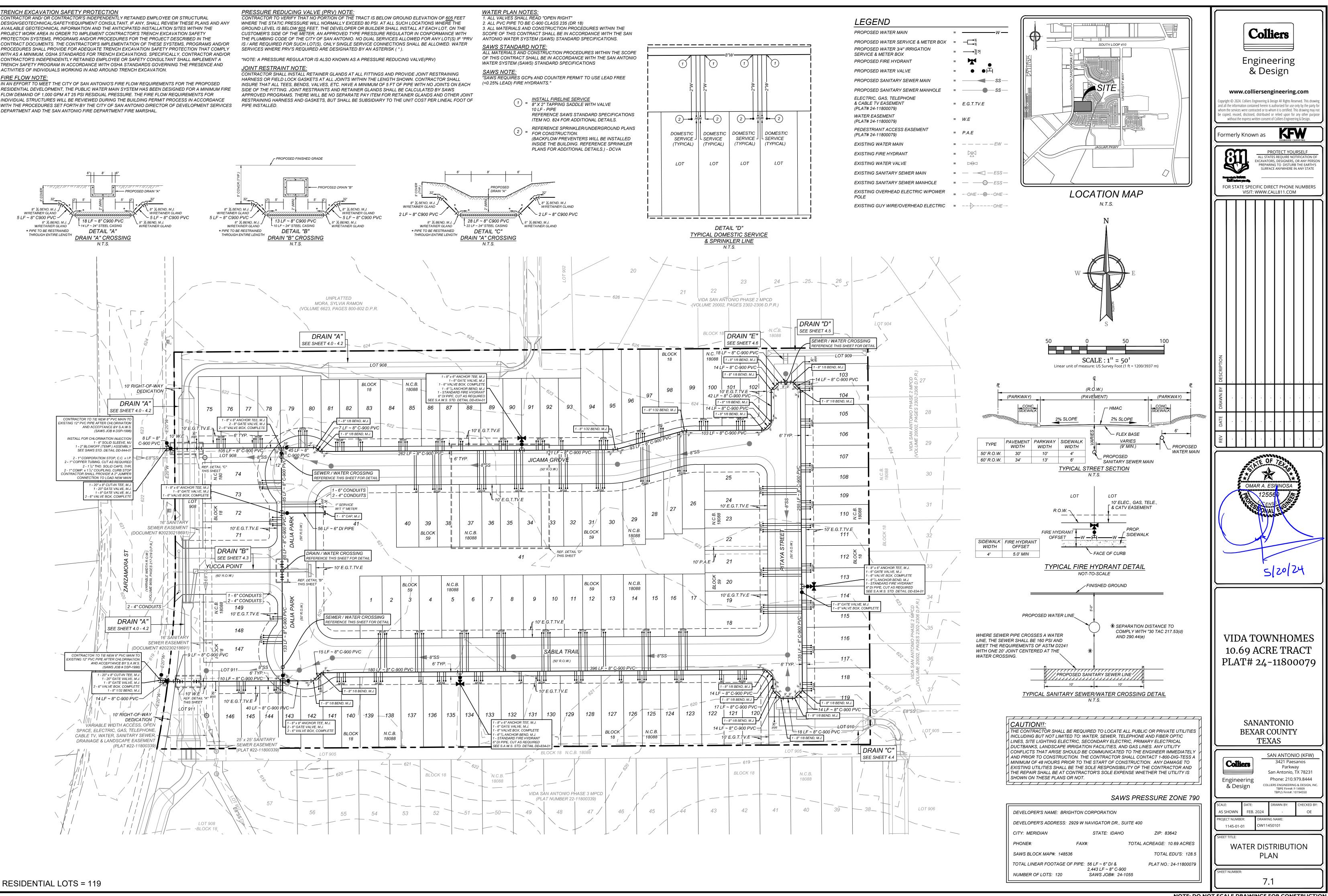
OWNER/DEVELOPER: BRIGHTON CORPORATION 2929 W NAVIGATOR DR., SUITE 400 MERIDIAN, IDAHO 83642

INDEX DESCRIPTION SHEET NO. WATER DISTRIBUTION COVER SHEET 7.0 WATER DISTRIBUTION PLAN 7.1	
	Sloolut Sloolut VIDA TOWNHOMES 10.69 ACRE TRACT PLAT# 24-11800079
SAWS PRESSURE ZONE 790 DEVELOPER'S NAME: BRIGHTON CORPORATION DEVELOPER'S ADDRESS: 2929 W NAVIGATOR DR., SUITE 400 CITY: MERIDIAN STATE: IDAHO ZIP: 83642 PHONE#: FAX#: TOTAL ACREAGE: 10.69 ACRES SAWS BLOCK MAP#: 148536 TOTAL ACREAGE: 10.69 ACRES SAWS BLOCK MAP#: 148536 TOTAL EDU'S: 128.5 TOTAL LINEAR FOOTAGE OF PIPE: 56 LF ~ 6" DI & PLAT NO.: 24-11800079 2.443 LF ~ 8" C-900 NUMBER OF LOTS: 120 SAWS JOB#: 24-1055 DET NO.: 24-11800079	

LOCATION MAP

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N AN EFFORT TO MEET THE CITY OF SAN ANTONIO'S FIRE FLOW REQUIREMENTS FOR THE PROPOSED RESIDENTIAL DEVELOPMENT, THE PUBLIC WATER MAIN SYSTEM HAS BEEN DESIGNED FOR A MINIMUM FIRE FLOW DEMAND OF 1,000 GPM AT 25 PSI RESIDUAL PRESSURE. THE FIRE FLOW REQUIREMENTS FOR INDIVIDUAL STRUCTURES WILL BE REVIEWED DURING THE BUILDING PERMIT PROCESS IN ACCORDANCE DEPARTMENT AND THE SAN ANTONIO FIRE DEPARTMENT FIRE MARSHAL.



INSTALLATION:

- 1. ALL OPERATORS SHALL SUBMIT A NOTICE OF INTENT (NOI) AT LEAST 48 HOURS IN ADVANCE AND ALL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN PLACE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
- 2. CONTRACTOR TO ENSURE THAT STRUCTURAL BMP'S ARE INSTALLED WITHIN THE LIMITS OF THE SITE BOUNDARY.
- CONTRACTOR MAY INSTALL THE BEST MANAGEMENT PRACTICES IN PHASES THAT COINCIDE WITH THE DISTURBANCE OF UP GRADIENT AREAS. THIS PHASING SHOULD BE NOTED WITHIN THE MODIFICATIONS SECTION WITH THE SIGNATURE AND DATE OF THE RESPONSIBLE PARTY.
- 4. CONTRACTOR TO VERIFY SUFFICIENT VEGETATION IN AREAS DENOTED AS VEGETATED FILTER STRIP. IF INSUFFICIENT VEGETATION EXISTS, CONTRACTOR SHALL IMPLEMENT A DIFFERENT BEST MANAGEMENT PRACTICE AND WILL SHOW IT ON THIS PLAN WITH NOTATION IN THE MODIFICATIONS SECTION WITH THE SIGNATURE AND DATE OF THE RESPONSIBLE PARTY

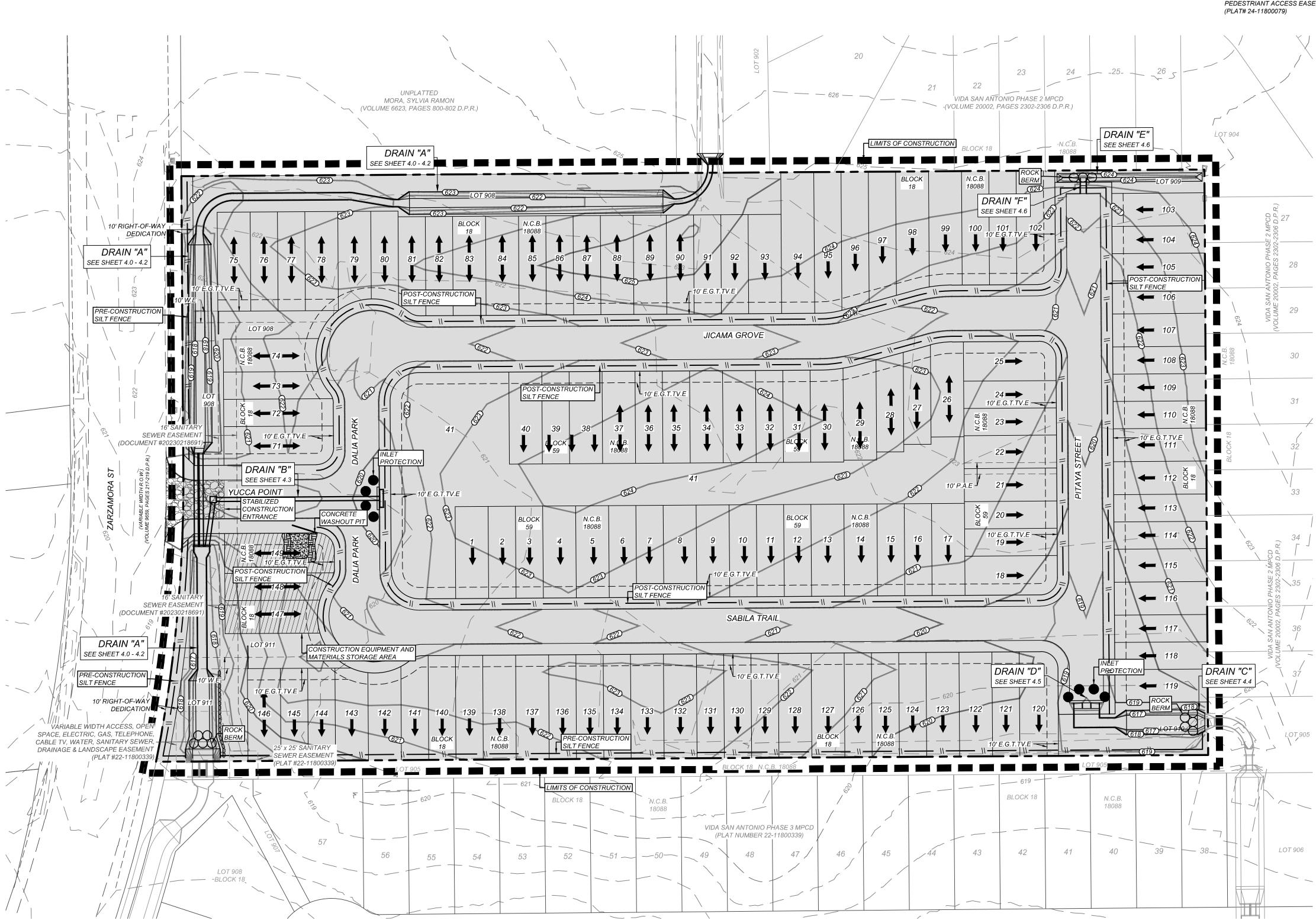
MAINTENANCE AND INSPECTION:

- 1. CONTRACTOR SHOULD LIMIT CONSTRUCTION ACTIVITIES TO ONLY THOSE AREAS SHOWN TO BE DISTURBED ON THIS PLAN. IF ADDITIONAL VEGETATED AREAS ARE DISTURBED, THEY SHOULD BE PROTECTED WITH APPROPRIATE BEST MANAGEMENT PRACTICES UNTIL THE AREAS HAVE BEEN STABILIZED AS PER THE SPECIFICATIONS OF THE SWPPP. THE AREAS OF THIS ADDITIONAL SOIL DISTURBANCE AND THE MEASURES USED SHOULD BE SHOWN ON THE SITE PLAN AND NOTED WITHIN THE MODIFICATIONS SECTION WITH THE SIGNATURE AND DATE OF THE RESPONSIBLE PARTY.
- SWPPP. THE CONTRACTOR MAY MODIFY THE CONTROLS AS NECESSARY TO PREVENT SEDIMENT RUNOFF. THESE SIGNATURE AND DATE OF THE RESPONSIBLE PARTY.
- FIELD DETERMINED. LOCATIONS SHALL BE UPDATED ON THIS PLAN.

PROJECT COMPLETION:

- PROJECT SPECIFICATIONS PRIOR TO REMOVAL OF ANY BMP'S AND/OR PRIOR TO FILING A NOTICE OF TERMINATION (NOT).
- SWPPP AND PROJECT SPECIFICATIONS. THIS PHASING SHOULD BE NOTED WITHIN THE MODIFICATIONS SECTION WITH THE SIGNATURE AND DATE OF THE RESPONSIBLE PARTY.
- 3. CONTRACTOR TO ENSURE THEY HAVE MET ALL REQUIREMENTS OF THE SWPPP BEFORE FILING A NOTICE OF TERMINATION (NOT). GENERAL:

- 3.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF BMP'S AS PER THE SPECIFICATIONS OF THE MODIFICATIONS SHOULD BE SHOWN AND THE SITE PLAN AND NOTED WITHIN THE MODIFICATIONS SECTION WITH THE
- 3. LOCATION OF CONSTRUCTION ENTRANCE/EXIT, CONCRETE WASHOUT PIT, AND EQUIPMENT AND STORAGE ARE TO BE



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1. ALL DISTURBED AREAS ARES NOT COVERED BY IMPERVIOUS COVER ARE TO BE STABILIZED PER THE SWPPP AND

2. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN PHASES IF ALL UPGRADIENT AREAS HAVE BEEN STABILIZED PER

1. THIS EXHIBIT IS TO BE USED FOR THE PURPOSES OF STORMWATER POLLUTION PREVENTION ONLY. ALL OTHER CIVIL ENGINEERING INFORMATION SHOULD BE OBTAINED FROM THE APPROPRIATE CONSTRUCTION DOCUMENTS. 2. THE PURPOSE OF THE SIGNATURE AND SEAL OF THE ENGINEER ON THIS DOCUMENT IS TO DEMONSTRATE COMPLIANCE WITH THE TPDES STORMWATER POLLUTION PREVENTION PLAN REGULATIONS ONLY.

ALL OWNERS/OPERATORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE STORMWATER POLLUTION PREVENTION PLAN AND COMPLYING WITH THE REGULATIONS CONTAINED WITHIN IT.

- 1. CONTACT TIME WARNER TO COORDINATE CABLE TV SERVICE. (210) 244-0500
- 2. CONDUIT FOR ELECTRICAL SERVICE. CONFIRM REQUIREMENTS AND COORDINATE WITH CPS FOR INSPECTION. (210) 353-2246.
- 3. CONTACT AT&T TO COORDINATE TELEPHONE SERVICE. 1-800-449-7928.
- 4. CONTRACTOR TO COORDINATE WITH CPS PRIOR TO CONSTRUCTION TO PLAN
- ELECTRIC SERVICE. 5. CONTRACTOR TO COORDINATE WITH SAWS TO PLAN WATER AND SANITARY SEWER SERVICES (210) 704-7297
- 6. CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

TYPE 4 SACK GABIONS DISTURBED AREA STABILIZED CONSTRUCTION ENTRANCE/EXIT CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA.

NATURAL VEGETATIVE BUFFER

CONCRETE TRUCK WASHOUT PIT

ROCK BERM

INLET WITH PROTECTION (GRAVEL FILTERS BAGS)

ELECTRIC, GAS, TELEPHONE, & CABLE TV EASEMENT (24-11800079) WATER EASEMENT (PLAT# 24-11800079) PEDESTRIANT ACCESS EASEMENT

LIMITS OF CONSTRUCTION

EXISTING CONTOURS

PROPOSED CONTOURS

FLOW ARROW

SILT FENCE

