

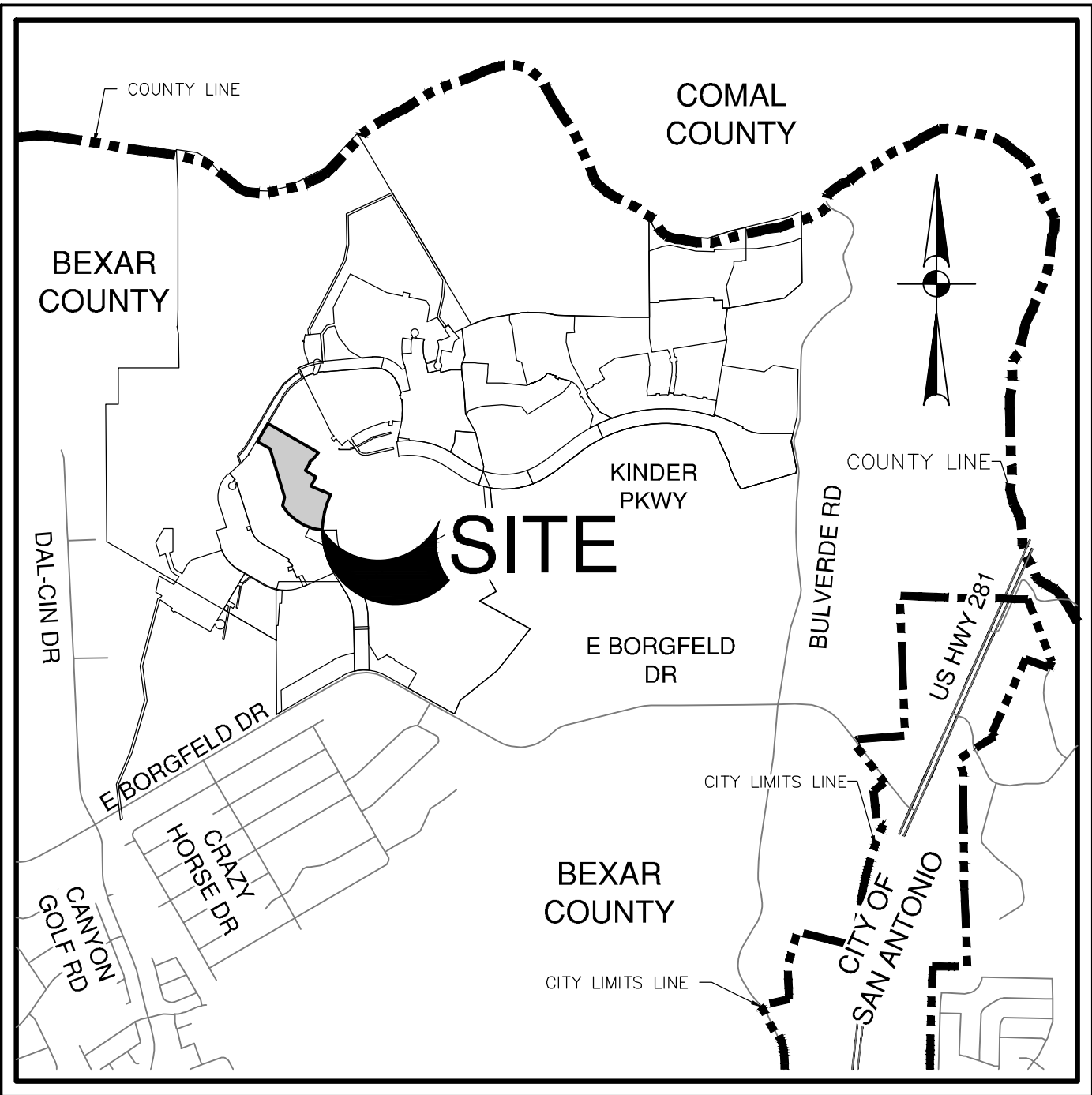
KINDER WEST UNIT 7 (ENCLAVE)

SAN ANTONIO, TEXAS

CIVIL CONSTRUCTION PLANS

Sheet List Table

Sheet Description	Sheet Number
COVER SHEET	C0.00
MASTER DRAINAGE PLAN	C1.00
DRAIN B PLAN & PROFILE	C1.01
DRAIN C PLAN & PROFILE	C1.02
DRAINAGE DETAILS	C1.10
DRAINAGE DETAILS	C1.11
DRAINAGE DETAILS	C1.12
WEVELGLEN PLAN & PROFILE	C2.00
TAUBENFELD PLAN & PROFILE	C2.01
RUSTIC PLACE PLAN & PROFILE	C2.02
AIDENBAUM PLAN & PROFILE	C2.03
STREET DETAILS	C2.10
STREET DETAILS	C2.11
STREET DETAILS	C2.12
OVERALL SIGNAGE PLAN	C3.00
SIGNAGE DETAILS	C3.10
SIGNAGE DETAILS	C3.11



LOCATION MAP
NOT-TO-SCALE

PREPARED FOR:

SA KINDER WEST UNIT 7
11 LYNN BATTS LANE, SUITE 100
SAN ANTONIO, TX 78218

OCTOBER 2023



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800



Sheet List Table

Sheet Description	Sheet Number
OVERALL WATER DISTRIBUTION PLAN	C4.00
WATER DISTRIBUTION PLAN DETAILS	C4.10
WATER DISTRIBUTION PLAN NOTES	C4.11
OVERALL SANITARY SEWER PLAN	C5.00
SANITARY SEWER LINE A PLAN & PROFILE	C5.01
SANITARY SEWER LINE B PLAN & PROFILE	C5.02
SANITARY SEWER LINE B PLAN & PROFILE	C5.03
SANITARY SEWER LINE B&C PLAN & PROFILE	C5.04
SANITARY SEWER DETAILS	C5.10
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STORM WATER POLLUTION PREVENTION PLAN	C8.00
STORM WATER POLLUTION PREVENTION PLAN - PHASE II	C8.01
STORM WATER POLLUTION PREVENTION PLAN DETAILS	C8.10

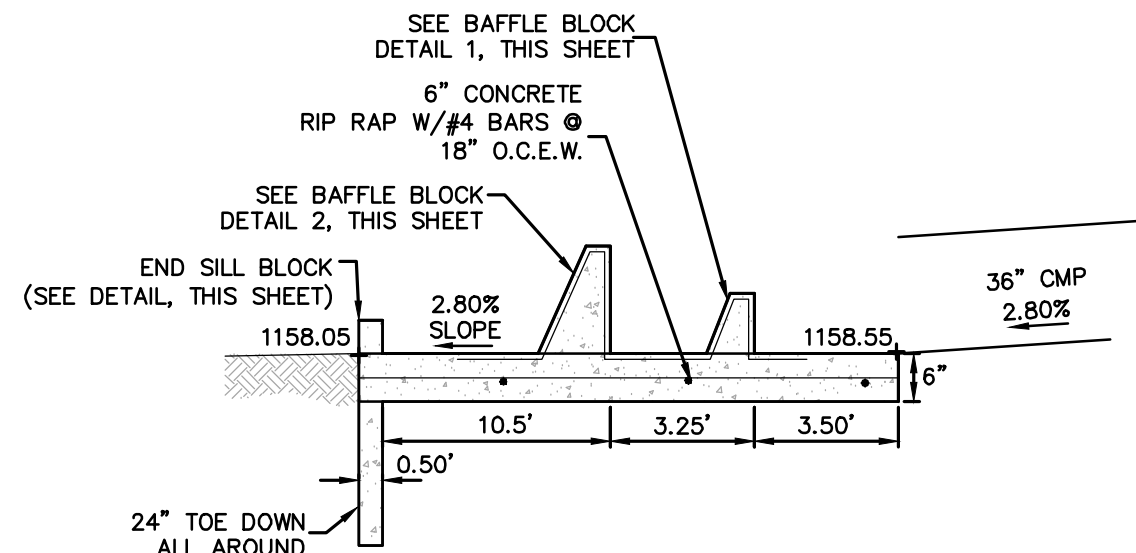
SEWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

DEVELOPER'S NAME:	SA KINDER WEST UNIT 7
ADDRESS:	11 LYNN BATTS LANE, SUITE 100
CITY:	SAN ANTONIO
STATE:	TX
ZIP:	78218
PHONE#	(210) 828-6131
FAX#	
SAWS BLOCK MAP#	1666886
TOTAL EDU'S	65
TOTAL ACREAGE	15.69
TOTAL LINEAR FOOTAGE OF PIPE: 8"	2,886 LF
PLAT NO.	22-11800764
NUMBER OF LOTS	65
SAWS JOB NO.	23-1633

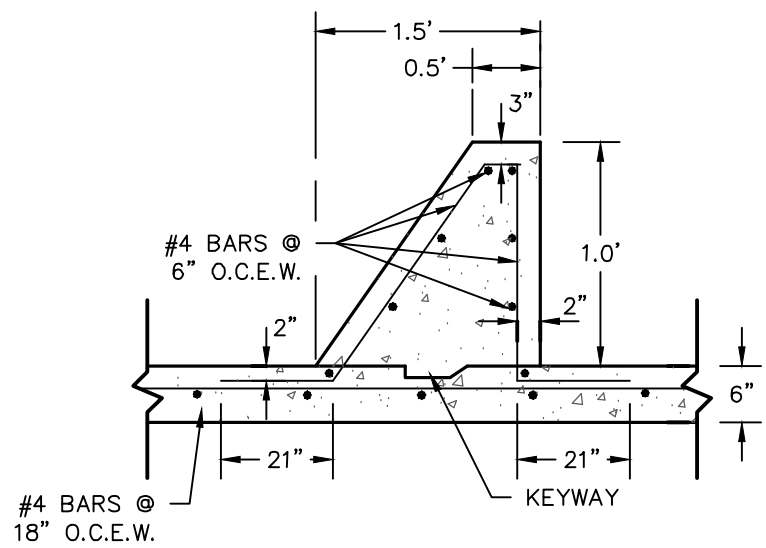
WATER (SAWS PRESSURE ZONE 1400E)

DEVELOPER'S NAME:	SA KINDER WEST UNIT 7
ADDRESS:	11 LYNN BATTS LANE, SUITE 100
CITY:	SAN ANTONIO
STATE:	TX
ZIP:	78218
PHONE#	(210) 828-6131
FAX#	
SAWS BLOCK MAP#	1666886
TOTAL EDU'S	65
TOTAL ACREAGE	15.69
TOTAL LINEAR FOOTAGE OF PIPE: 8"	1,909 LF
PLAT NO.	22-11800764
NUMBER OF LOTS	65
SAWS JOB NO.	23-1164

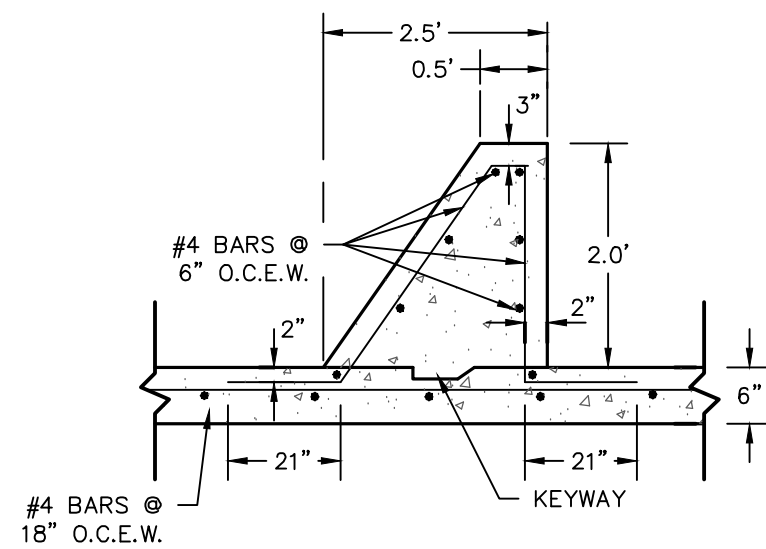
SHEET C0.00



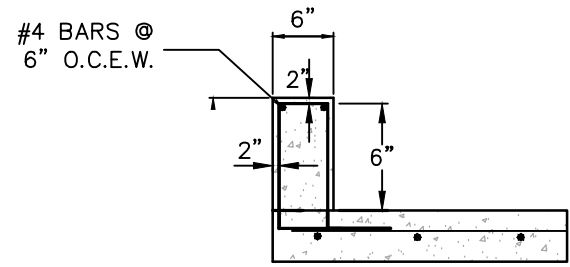
BAFFLE BLOCKS DETAIL
NOT-TO-SCALE



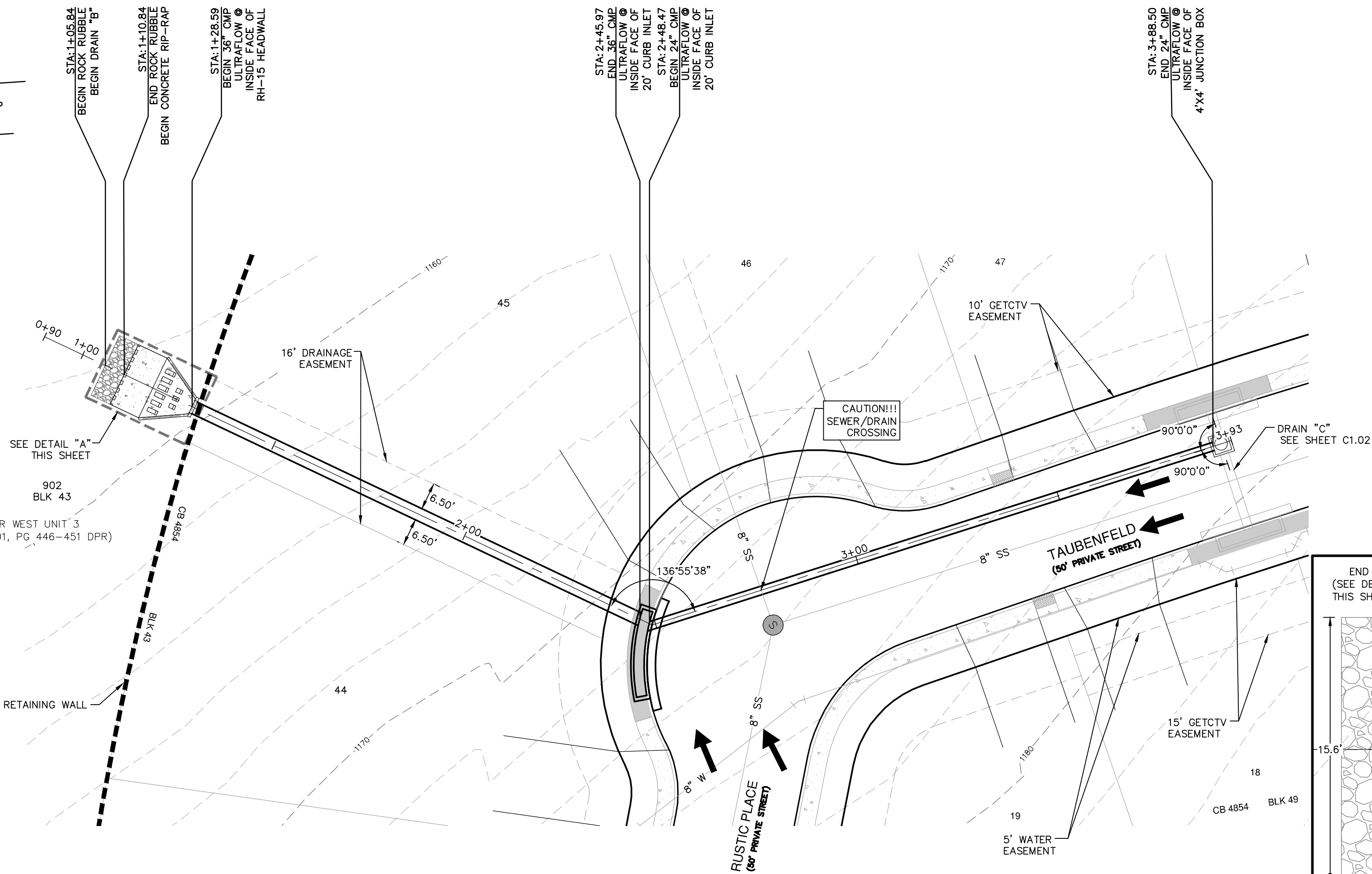
BAFFLE BLOCK DETAIL 1
NOT-TO-SCALE



BAFFLE BLOCK DETAIL 2
NOT-TO-SCALE

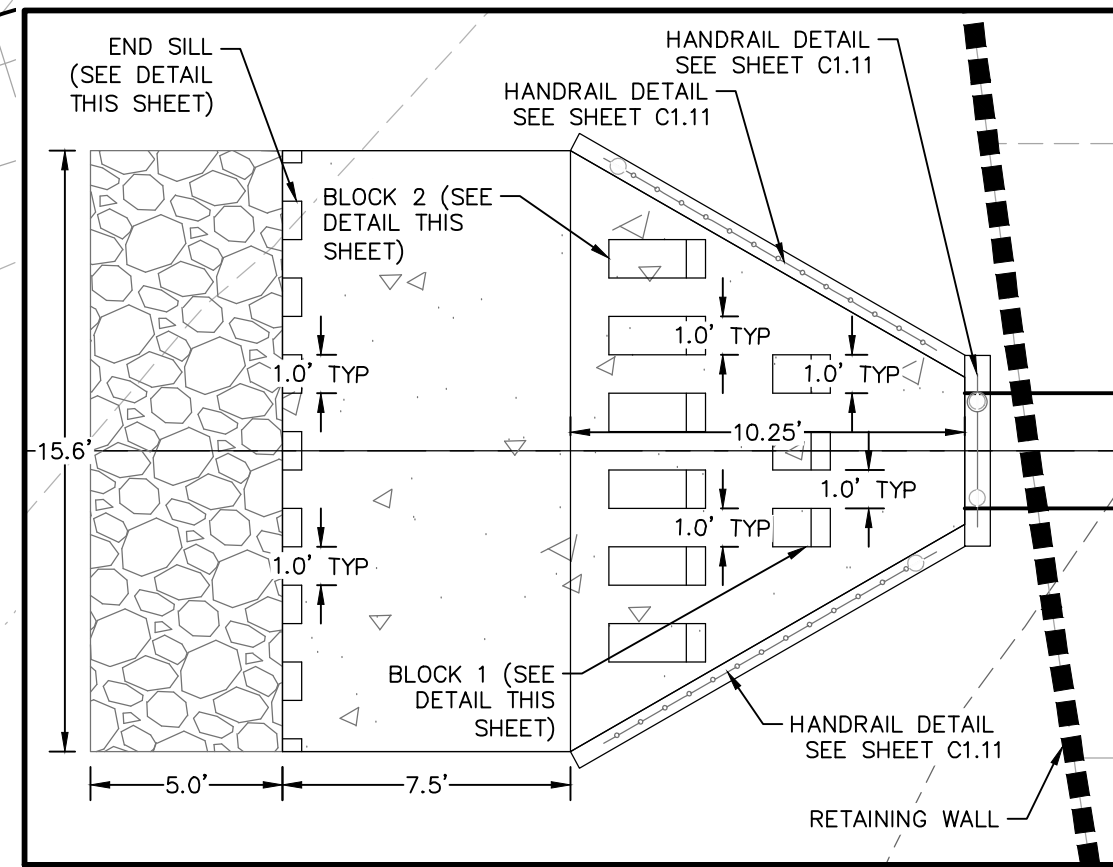


END SILL BLOCK DETAIL
NOT-TO-SCALE



DRAIN "B"
STA. 1+05.84 TO END

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 20'



DETAIL "A"
SCALE: 1" = 5'

HYDRAULIC CALCULATIONS-DRAIN "B"

TOTAL Q₂₅ = 35.1 CFS

Q₂₅ = 35.1 CFS

Q₂₅ = CL(h^{3/2}) (WEIR FLOW)

$$L = \frac{Q}{C(h^{3/2})} = \frac{35.1}{(3.087)(0.79^{3/2})} = 16.19 \text{ FT}$$

L = 16.19 FT USE 1 ~ 20' CURB INLET

CHECK WITH ORIFICE FLOW

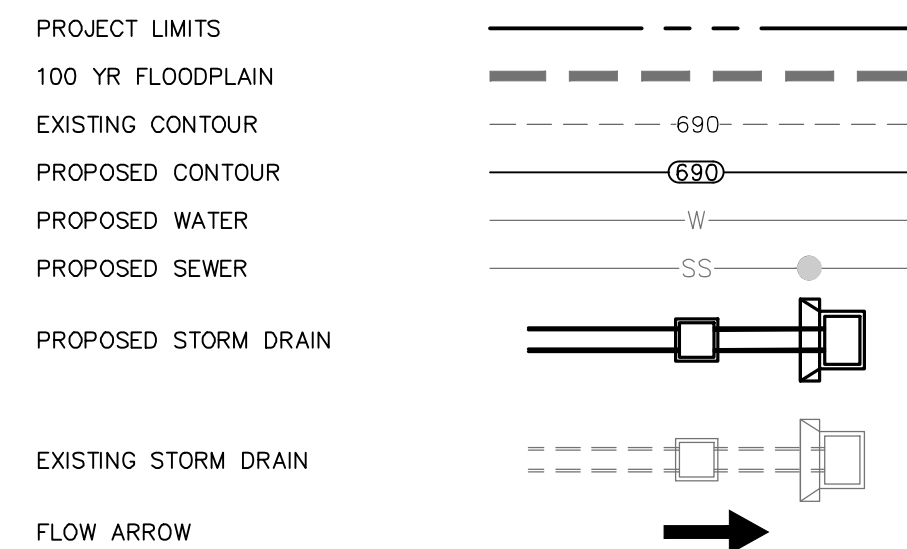
Q₂₅ = CA√2gh (ORIFICE FLOW EQN.)

A = L(0.52), h = 0.54, g = 32.2, c = 0.70

$$L = \frac{35.1}{(0.70)(0.52)\sqrt{2(32.2)(0.54)}}$$

L = 16.35 FT OK

DRAINAGE LEGEND



DRAINAGE & GRADING NOTES:

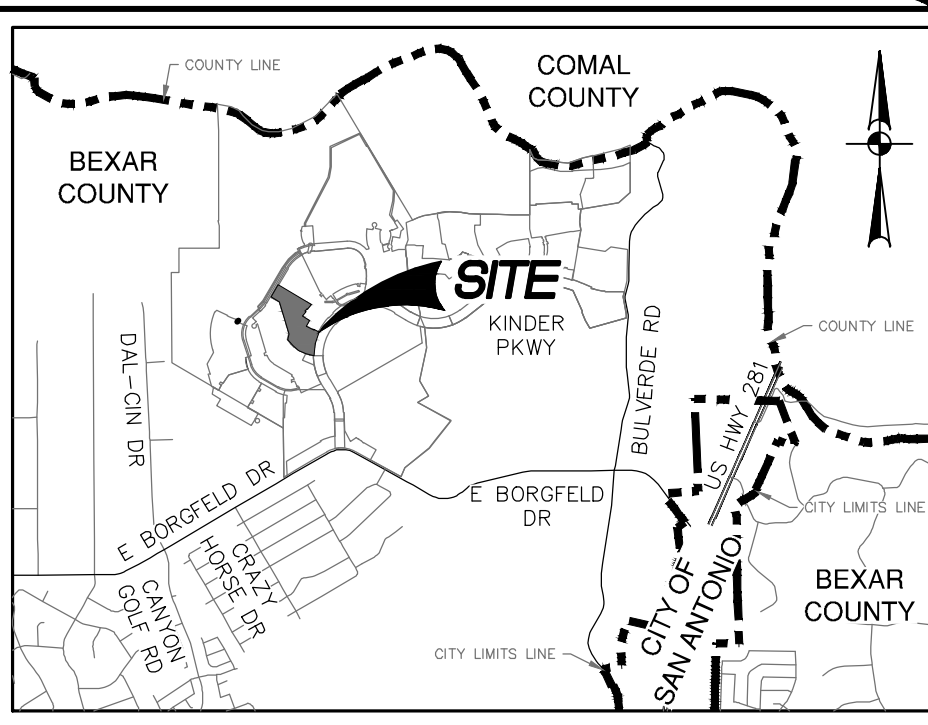
1. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
2. ALL CONCRETE FOR TYPICAL DRAINAGE STRUCTURES SHALL MEET TYPICAL SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
3. REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
4. CONTRACTOR SHALL GROUT ALL CURB INLETS AND JUNCTION BOXES TO PROVIDE FOR POSITIVE DRAINAGE.
5. EARTHEN CHANNELS WILL BE VEGETATED BY SEEDING OR SODDING. 85% OF THE CHANNEL SURFACE MUST HAVE ESTABLISHED VEGETATION BEFORE THE CITY OF SAN ANTONIO WILL ACCEPT.
6. CONTRACTOR SHALL MATCH TOP OF CHANNEL TO NATURAL GROUND AND MAINTAIN A MINIMUM CHANNEL DEPTH OF "D" AS SHOWN IN THE PROFILE.

TRENCH EXCAVATION SAFETY PROTECTION:

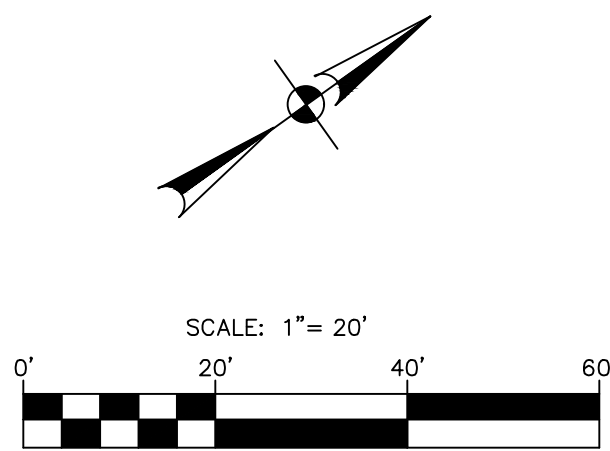
CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S 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!!

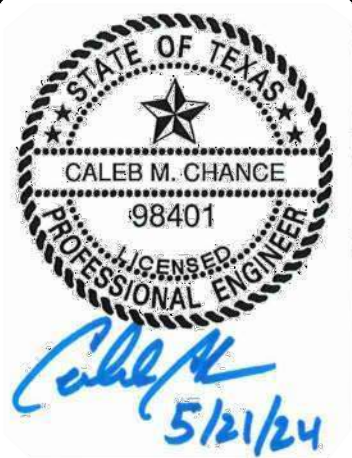
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LOCATION MAP
NOT-TO-SCALE



DATE	
NO.	REVISION

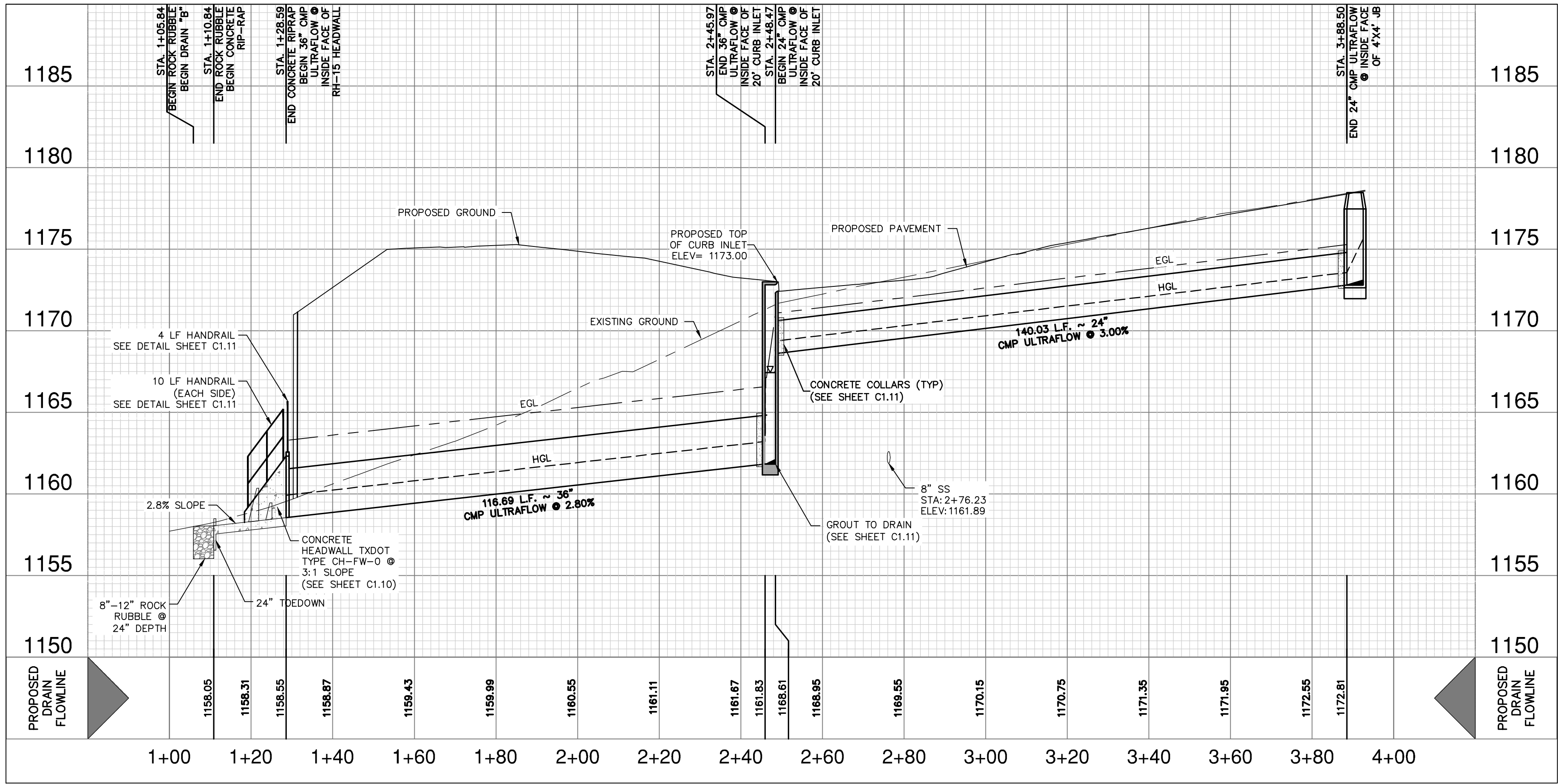


**PAPE-DAWSON
ENGINEERS**

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2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028890

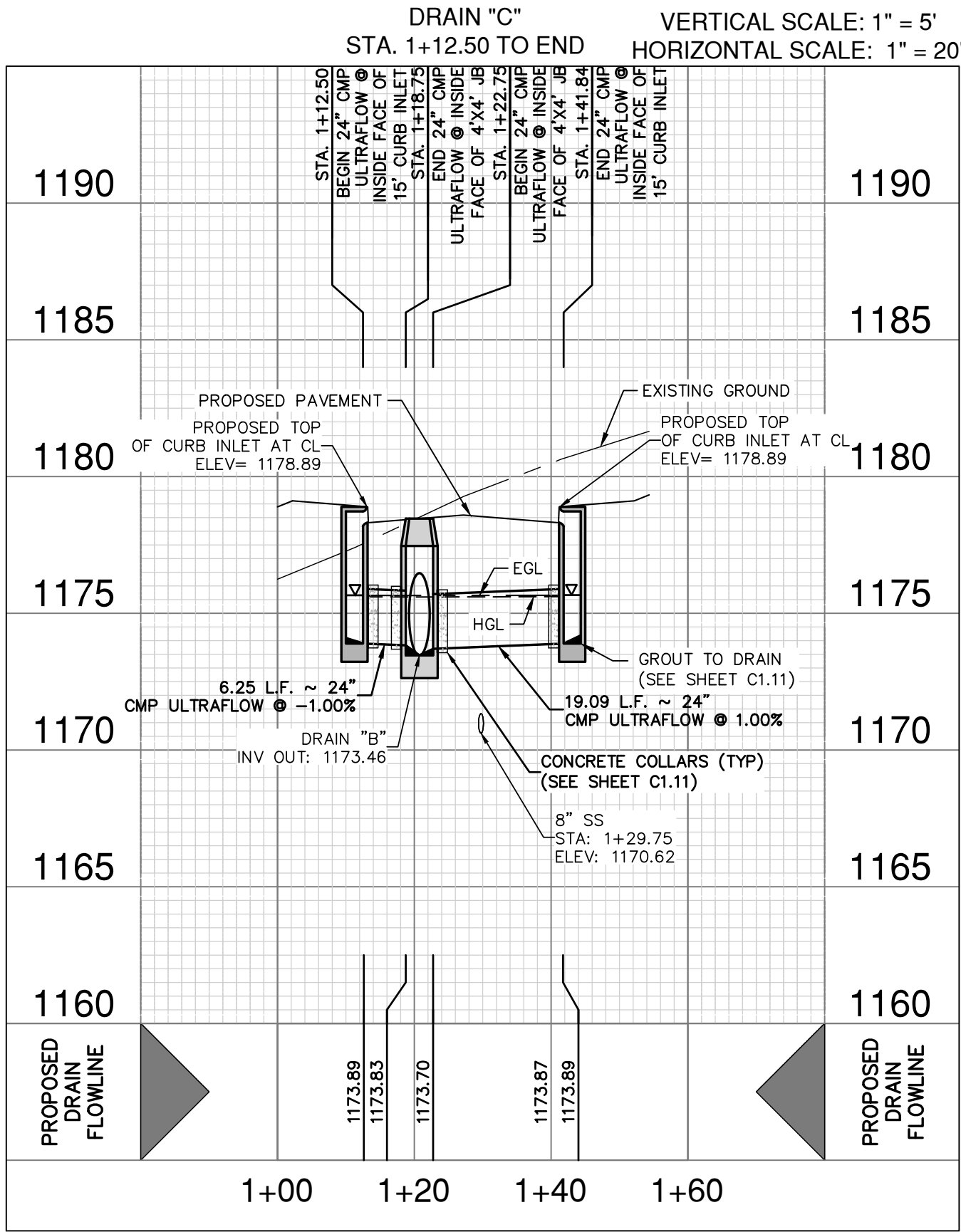
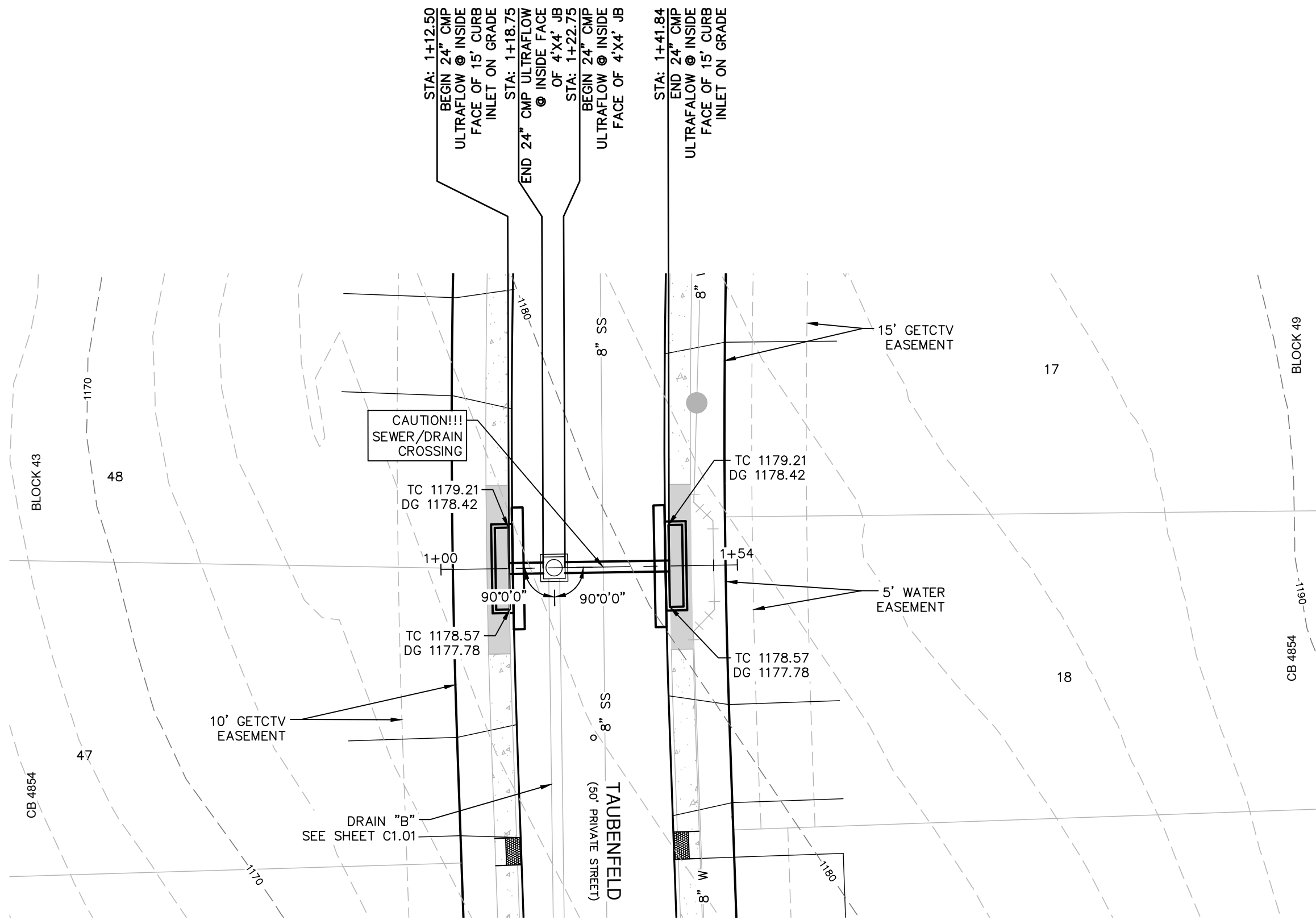
KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

DRAIN B PLAN & PROFILE
STA. 1+05.84 TO END



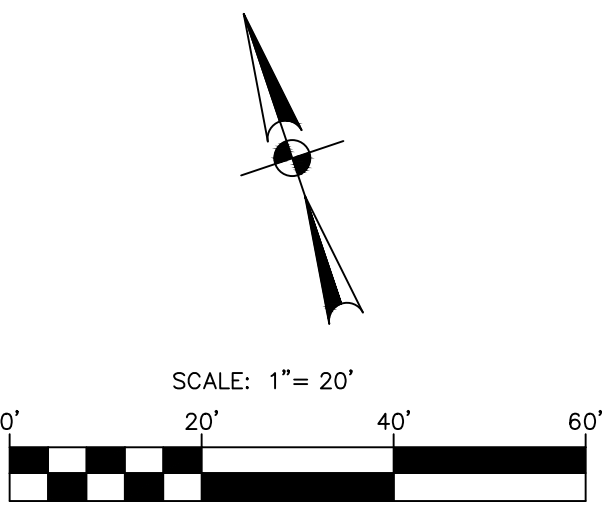
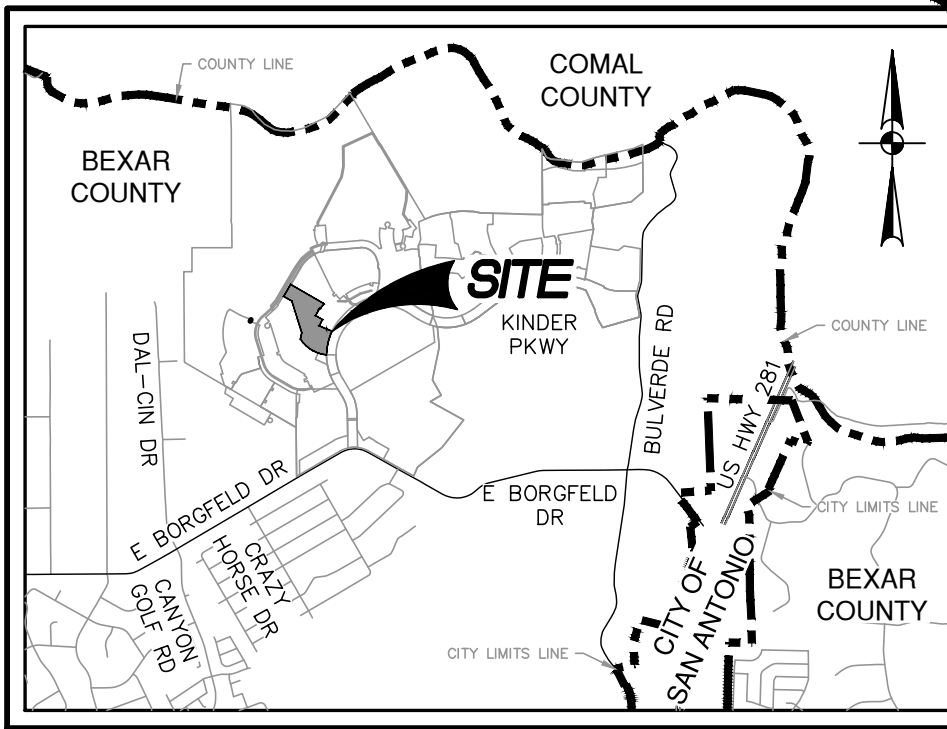
HYDRAULIC CALCULATIONS STORM DRAIN "B"
STA. 1+28.59 TO 2+45.97
Q ₂₅ = 46.5 CFS
D _n = 1.38 FT
S _f = 0.49%
V = 14.76 FPS
n = 0.013
D = 3.00 FT
S = 2.80%

HYDRAULIC CALCULATIONS STORM DRAIN "B"
STA. 2+48.47 TO 3+88.50
Q ₂₅ = 11.4 CFS
D _n = 0.77 FT
S _f = 0.25%
V = 10.5 FPS
n = 0.013
D = 2.00 FT
S = 3.00%

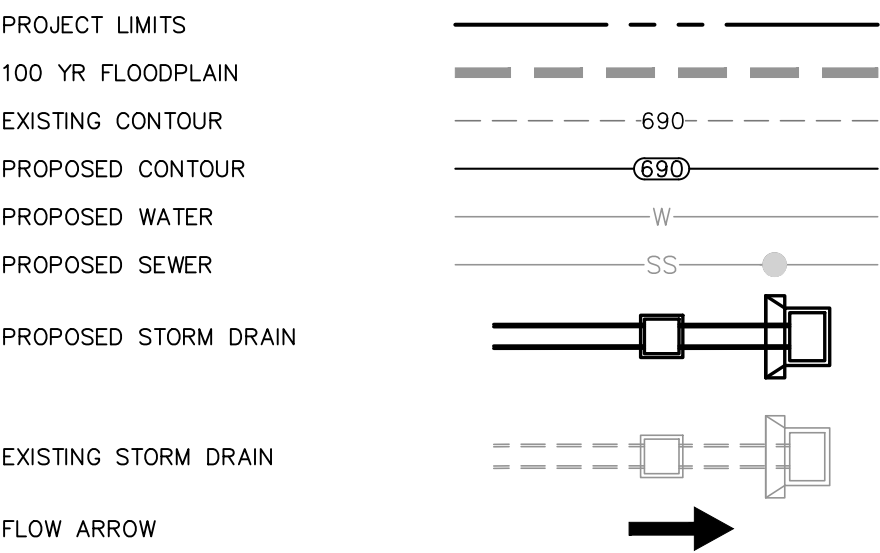


HYDRAULIC CALCULATIONS STORM DRAIN "C" STA. 1+12.50 TO 1+18.75	
Q25	= 5.7 CFS
Dn	= 0.71 FT
Sf	= 0.06%
V	= 1.81 FPS
n	= 0.013
D	= 2.00 FT
S	= 1.00%

HYDRAULIC CALCULATIONS STORM DRAIN "C" STA. 1+22.75 TO 1+41.84	
Q25	= 5.7 CFS
Dn	= 0.71 FT
Sf	= 0.06%
V	= 1.81 FPS
n	= 0.013
D	= 2.00 FT
S	= 1.00%



DRAINAGE LEGEND



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2. ALL CONCRETE FOR TXDOT DRAINAGE STRUCTURES SHALL MEET TXDOT SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
3. REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
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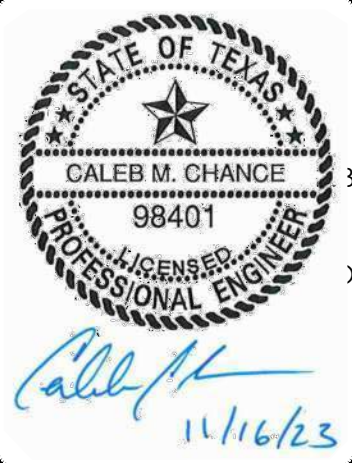
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NO. REVISION		DATE



PAPE-DAWSON ENGINEERS

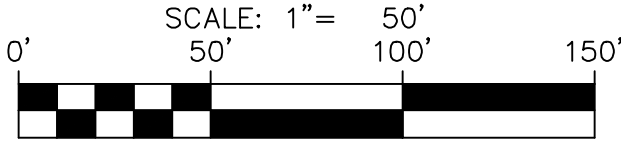
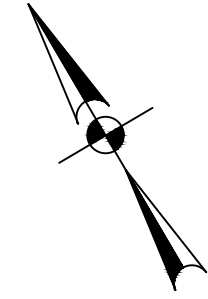
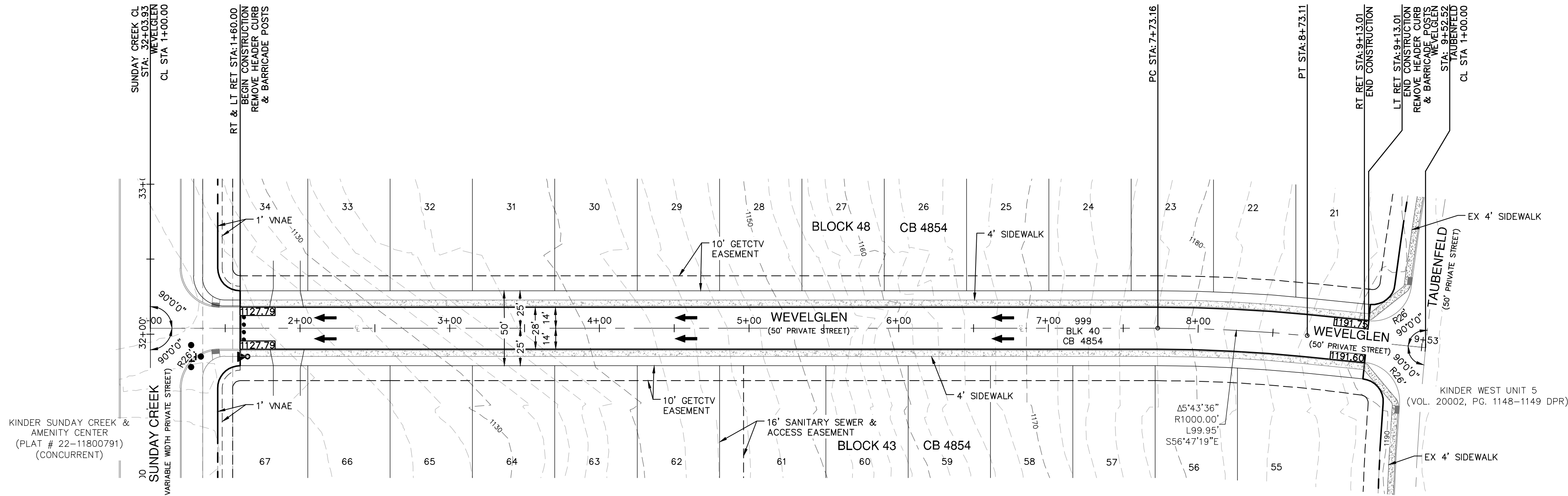
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

DRAIN C PLAN & PROFILE
STA. 1+12.50 TO END

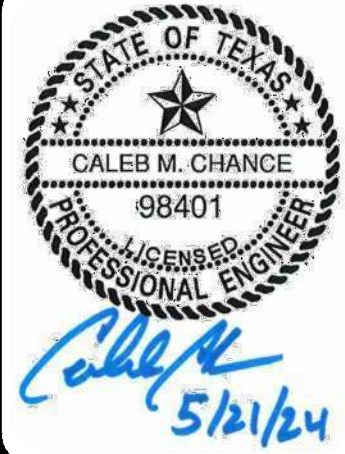
PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	UV
CHECKED AT	DRAWN RD
SHEET	C1.02

TABLE OF VARIABLE DIMENSIONS AND QUANTITIES FOR ONE HEADWALL ⑤									
Curb Height (ft)	Values for One Pipe					Reinforcing Steel (ft ²)	Values to be Added for Each Additional Pipe		
	W	X	Y	L	X and W (ft ²)		Y and L (cu yd)		
12	4'-7 1/2"	2'-0"	2'-10"	2'-3 1/2"	88.0	1.0	1'-0"	20.2	
15	5'-5 1/2"	2'-9 1/2"	3'-4"	3'-10 1/2"	103.0	0.7	2'-2"	24.0	
18	6'-4 1/2"	3'-1"	3'-10"	4'-5"	124.0	0.9	2'-0"	32.0	
21	7'-2 1/2"	3'-4 1/2"	4'-4"	5'-0"	143.1	1.1	3'-1"	43.0	
24	8'-2 1/2"	3'-9 1/2"	4'-10"	5'-7"	164.1	1.3	3'-7"	50.0	
27	9'-1"	4'-1"	5'-4"	6'-2"	179.1	1.5	3'-11"	56.0	
30	9'-11 1/2"	4'-4 1/2"	5'-10"	6'-8 1/2"	203.1	1.7	4'-4"	65.0	
33	10'-10"	4'-8"	6'-4"	7'-3 1/2"	224.0	2.0	4'-8"	71.0	
36	11'-8 1/2"	4'-11 1/2"	6'-10"	7'-10 1/2"	248.2	2.2	5'-1"	81.0	
42	13'-5 1/2"	5'-6 1/2"	7'-10"	9'-0 1/2"	298.2	2.8	5'-10"	97.1	
48	15'-9"	6'-1 1/2"	9'-4"	10'-9 1/2"	360.3	3.8	6'-7"	117.7	
54	17'-5 1/2"	6'-8 1/2"	10'-4"	11'-11 1/2"	421.4	4.5	7'-6"	151.7	
60	18'-2 1/2"	7'-3 1/2"	11'-4"	13'-1"	461.5	5.3	8'-7"	174.2	
66	20'-11 1/2"	7'-10 1/2"	12'-4"	14'-3"	544.2	6.2	8'-9"	194.2	
72	22'-8 1/2"	8'-5 1/2"	13'-4"	15'-4 1/2"	601.1	7.1	9'-4"	213.3	
78	25'-9"	9'-1 1/2"	14'-4"	16'-7 1/2"	671.1	8.1	10'-4"	242.3	
84	28'-5 1/2"	10'-8 1/2"	15'-4"	17'-10 1/2"	731.1	9.1	11'-4"	271.3	
90	31'-2 1/2"	11'-8 1/2"	16'-4"	18'-11 1/2"	791.1	10.1	12'-4"	300.3	
96	33'-9 1/2"	12'-8 1/2"	17'-4"	19'-11 1/2"	851.1	11.1	13'-4"	329.3	
102	36'-6 1/2"	13'-8 1/2"	18'-4"	20'-11 1/2"	911.1	12.1	14'-4"	358.3	
108	39'-3 1/2"	14'-8 1/2"	19'-4"	21'-11 1/2"	971.1	13.1	15'-4"	387.3	
114	42'-0 1/2"	15'-8 1/2"	20'-4"	22'-11 1/2"	1031.1	14.1	16'-4"	416.3	
120	44'-7 1/2"	16'-8 1/2"	21'-4"	23'-11 1/2"	1091.1	15.1	17'-4"	445.3	
126	47'-4 1/2"	17'-8 1/2"	22'-4"	24'-11 1/2"	1151.1	16.1	18'-4"	474.3	
132	50'-1 1/2"	18'-8 1/2"	23'-4"	25'-11 1/2"	1211.1	17.1	19'-4"	503.3	
138	52'-8 1/2"	19'-8 1/2"	24'-4"	26'-11 1/2"	1271.1	18.1	20'-4"	532.3	
144	55'-5 1/2"	20'-8 1/2"	25'-4"	27'-11 1/2"	1331.1	19.1	21'-4"	561.3	
150	58'-2 1/2"	21'-8 1/2"	26'-4"	28'-11 1/2"	1391.1	20.1	22'-4"	590.3	
156	60'-9 1/2"	22'-8 1/2"	27'-4"	29'-11 1/2"	1451.1	21.1	23'-4"	619.3	
162	63'-6 1/2"	23'-8 1/2"	28'-4"	30'-11 1/2"	1511.1	22.1	24'-4"	648.3	
168	66'-3 1/2"	24'-8 1/2"	29'-4"	31'-11 1/2"	1571.1	23.1	25'-4"	677.3	
174	69'-0 1/2"	25'-8 1/2"	30'-4"	32'-11 1/2"	1631.1	24.1	26'-4"	706.3	
180	71'-7 1/2"	26'-8 1/2"	31'-4"	33'-11 1/2"	1691.1	25.1	27'-4"	735.3	
186	74'-4 1/2"	27'-8 1/2"	32'-4"	34'-11 1/2"	1751.1	26.1	28'-4"	764.3	
192	77'-1 1/2"	28'-8 1/2"	33'-4"	35'-11 1/2"	1811.1	27.1	29'-4"	793.3	
198	79'-8 1/2"	29'-8 1/2"	34'-4"	36'-11 1/2"	1871.1	28.1	30'-4"	822.3	
204	82'-5 1/2"	30'-8 1/2"	35'-4"	37'-11 1/2"	1931.1	29.1	31'-4"	851.3	
210	85'-2 1/2"	31'-8 1/2"	36'-4"	38'-11 1/2"	1991.1	30.1	32'-4"	880.3	
216	87'-9 1/2"	32'-8 1/2"	37'-4"	39'-11 1/2"	2051.1	31.1	33'-4"	909.3	
222	90'-6 1/2"	33'-8 1/2"	38'-4"	40'-11 1/2"	2111.1	32.1	34'-4"	938.3	
228	93'-3 1/2"	34'-8 1/2"	39'-4"	41'-11 1/2"	2171.1	33.1	35'-4"	967.3	
234	96'-0 1/2"	35'-8 1/2"	40'-4"	42'-11 1/2"	2231.1	34.1	36'-4"	996.3	
240	98'-7 1/2"	36'-8 1/2"	41'-4"	43'-11 1/2"	2291.1	35.1	37'-4"	1025.3	
246	101'-4 1/2"	37'-8 1/2"	42'-4"	44'-11 1/2"	2351.1	36.1	38'-4"	1054.3	
252	104'-1 1/2"	38'-8 1/2"	43'-4"	45'-11 1/2"	2411.1	37.1	39'-4"	1083.3	
258	106'-8 1/2"	39'-8 1/2"	44'-4"	46'-11 1/2"	2471.1	38.1	40'-4"	1112.3	
264	109'-5 1/2"	40'-8 1/2"	45'-4"	47'-11 1/2"	2531.1	39.1	41'-4"	1141.3	
270	112'-2 1/2"	41'-8 1/2"	46'-4"	48'-11 1/2"	2591.1	40.1	42'-4"	1170.3	
276	114'-9 1/2"	42'-8 1/2"	47'-4"	49'-11 1/2"	2651.1	41.1	43'-4"	1199.3	
282	117'-6 1/2"	43'-8 1/2"	48'-4"	50'-11 1/2"	2711.1	42.1	44'-4"	1228.3	
288	120'-3 1/2"	44'-8 1/2"	49'-4"	51'-11 1/2"	2771.1	43.1	45'-4"	1257.3	
294	123'-0 1/2"	45'-8 1/2"	50'-4"	52'-11 1/2"	2831.1	44.1	46'-4"	1286.3	
300	125'-7 1/2"	46'-8 1/2"	51'-4"	53'-11 1/2"	2891.1	45.1	47'-4"	1315.3	
306	128'-4 1/2"	47'-8 1/2"	52'-4"	54'-11 1/2"	2951.1	46.1	48'-4"	1344.3	
312	131'-1 1/2"	48'-8 1/2"	53'-4"	55'-11 1/2"	3011.1	47.1	49'-4"	1373.3	
318	133'-8 1/2"	49'-8 1/2"	54'-4"	56'-11 1/2"	3071.1	48.1	50'-4"	1402.3	
324	136'-5 1/2"	50'-8 1/2"	55'-4"	57'-11 1/2"	3131.1	49.1	51'-4"	1431.3	
330	139'-2 1/2"	51'-8 1/2"	56'-4"	58'-11 1/2"	3191.1	50.1	52'-4"	1460.3	
336	141'-9 1/2"	52'-8 1/2"	57'-4"	59'-11 1/2"	3251.1	51.1	53'-4"	1489.3	
342	144'-6 1/2"	53'-8 1/2"	58'-4"	60'-11 1/2"	3311.1	52.1	54'-4"	1518.3	
348	147'-3 1/2"	54'-8 1/2"	59'-4"	61'-11 1/2"	3371.1	53.1	55'-4"	1547.3	
354	150'-0 1/2"	55'-8 1/2"	60'-4"	62'-11 1/2"	3431.1	54.1	56'-4"	1576.3	
360	152'-7 1/2"	56'-8 1/2"	61'-4"	63'-11 1/2"	3491.1	55.1	57'-4"	1605.3	
366	155'-4 1/2"	57'-8 1/2"	62'-4"	64'-11 1/2"	3551.1	56.1	58'-4"	1634.3	
372	158'-1 1/2"	58'-8 1/2"	63'-4"	65'-11 1/2"	3611.1	57.1	59'-4"	1663.3	
378	160'-8 1/2"	59'-8 1/2"	64'-4"	66'-11 1/2"	3671.1	58.1	60'-4"	1692.3	
384	163'-5 1/2"	60'-8 1/2"	65'-4"	67'-11 1/2"	3731.1	59.1	61'-4"	1721.3	
390	166'-2 1/2"	61'-8 1/2"	66'-4"	68'-11 1/2"	3791.1	60.1	62'-4"	1750.3	
396	168'-9 1/2"	62'-8 1/2"	67'-4"	69'-11 1/2"	3851.1	61.1	63'-4"	1779.3	
402	171'-6 1/2"	63'-8 1/2"	68'-4"	70'-11 1/2"	3911.1	62.1	64'-4"	1808.3	
408	174'-3 1/2"	64'-8 1/2"	69'-4"	71'-11 1/2"	3971.1	63.1	65'-4"	1837.3	
414	177'-0 1/2"	65'-8 1/2"	70'-4"	72'-11 1/2"	4031.1	64.1	66'-4"	1866.3	
420	179'-7 1/2"	66'-8 1/2"	71'-4"	73'-11 1/2"	4091.1	65.1	67'-4"	1895.3	
426	182'-4 1/2"	67'-8 1/2"	72'-4"	74'-11 1/2"	4151.1	66.1	68'-4"	1924.3	
432	185'-1 1/2"	68'-8 1/2"	73'-4"	75'-11 1/2"	4211.1	67.1	69'-4"	1953.3	
438	187'-8 1/2"	69'-8 1/2"	74'-4"	76'-11 1/2"	4271.1	68.1	70'-4"	1982.3	
444	190'-5 1/2"	70'-8 1/2"	75'-4"	77'-11 1/2"	4331.1	69.1	71'-4"	2011.3	
450	193'-2 1/2"	71'-8 1/2"	76'-4"	78'-11 1/2"	4391.1	70.1	72'-4"	2040.3	
456	195'-9 1/2"	72'-8 1/2"	77'-4"	79'-11 1/2"	4451.1	71.1	73'-4"	2069.3	
462	198'-6 1/2"	73'-8 1/2"	78'-4"	80'-11 1/2"	4511.1	72.1	74'-4"	2098.3	
468	201'-3 1/2"	74'-8 1/2"	79'-4"	81'-11 1/2"	4571.1	73.1	75'-4"	2127.3	
474	204'-0 1/2"	75'-8 1/2"	80'-4"	82'-11 1/2"	4631.1	74.1	76'-4"	2156.3	
480	206'-7 1/2"	76'-8 1/2"	81'-4"	83'-11 1/2"	4691.1	75.1	77'-4"	2185.3	
486	209'-4 1/2"	77'-8 1/2"	82'-4"	84'-11 1/2"	4751.1	76.1	78'-4"	2214.3	
492	212'-1 1/2"	78'-8 1/2"	83'-4"	85'-11 1/2"	4811.1	77.1	79'-4"	2243.3	
498	214'-8 1/2"	79'-8 1/2"	84'-4"	86'-11 1/2"	4871.1	78.1	80'-4"	2272.3	
504	217'-5 1/2"	80'-8 1/2"	85'-4"	87'-11 1/2"	4931.1	79.1	81'-4"	2301.3	
510	220'-2 1/2"	81'-8 1/2"	86'-4"	88'-11 1/2"	4991.1	80.1	82'-4"	2330.3	
516	222'-9 1/2"	82'-8 1/2"	87'-4"	89'-11 1/2"	5051.1	81.1	83'-4"	2359.3	
522	225'-6 1/2"	83'-8 1/2"	88'-4"	90'-11 1/2"	5111.1	82.1	84'-4"	2388.3	
528	228'-3 1/2"	84'-8 1/2"	89'-4"	91'-11 1/2"	5171.1	83.1	85'-4"	2417.3	
534	231'-0 1/2"	85'-8 1/2"	90'-4"	92'-11 1/2"	5231.1	84.1	86'-4"	2446.3	
540	233'-7 1/2"	86'-8 1/2"	91'-4"	93'-11 1/2"	5291.1	85.1	87'-4"	2475.3	
546	236'-4 1/2"	87'-8 1/2"	92'-4"	94'-11 1/2"	5351.1	86.1	88'-4"	2504.3	
552	239'-1 1/2"	88'-8 1/2"	93'-4"	95'-11 1/2"	5411.1	87.1	89'-4"	2533.3	
558	241'-8 1/2"	89'-8 1/2"	94'-4"	96'-11 1/2"	5471.1	88.1	90'-4"	2562.3	
564	244'-5 1/2"	90'-8 1/2"	95'-4"	97'-11 1/2"	5531.1	89.1	91'-4"	2591.3	
570	247'-2 1/2"	91'-8 1/2"	96'-4"	98'-11 1/2"	5591.1	90.1	92'-4"	2620.3	
576	249'-9 1/2"	92'-8 1/2"	97'-4"	99'-11 1/2"	5651.1	91.1	93'-4"	2649.3	
582	252'-6 1/2"	93'-8 1/2"	98'-4"	100'-11 1/2"	5711.1	92.1	94'-4"	2678.3	
588	255'-3 1/2"	94'-8 1/2"	99'-4"	101'-11 1/2"	5771.1	93.1	95'-4"	2707.3	
594	258'-0 1/2"	95'-8 1/2"	100'-4"	102'-11 1/2"	5831.1	94.1	96'-4"	2736.3	
600	260'-7 1/2"	96'-8 1/2"	101'-4"	103'-11 1/2"	5891.1	95.1	97'-4"	2765.3	
606	263'-4 1/2"	97'-8 1/2"	102'-4"	104'-11 1/2"	5951.1	96.1	98'-4"	2794.3	
612	266'-1 1/2"	98'-8 1/2"	103'-4"	105'-11 1/2"	6011.1	97.1	99'-4"	2823.3	
618	268'-8 1/2"	99'-8 1/2"	104'-4"	106'-11 1/2"	6071.1	98.1	100'-4"	2852.3	
624	271'-5 1/2"	100'-8 1/2"	105'-4"	107'-11 1/2"	6131.1	99.1	101'-4"	2881.3	
630	274'-2 1/2"	101'-8 1/2"	106'-4"	108'-11 1/2"	6191.1	100.1	102'-4"	2910.3	
636	276'-9 1/2"	102'-8 1/2"	107'-4"	109'-11 1/2"	6251.1	101.1	103'-4"	2939.3	
642	279'-6 1/2"	103'-8 1/2"	108'-4"	110'-11 1/2"	6311.1	102.1	104'-4"	2968.3	
648	282'-3 1/2"	104'-8 1/2"	109'-4"	111'-11 1/2"	6371.1	103.1	105'-4"	2997.3	
654	285'-0 1/2"	105'-8 1/2"	110'-4"	112'-11 1/2"	6431.1	104.1	106'-4"	3026.3	
660	287'-7 1/2"	106'-8 1/2"	111'-4"	113'-11 1/2"	6491.1	105.1	107'-4"	3055.3	
666	290'-4 1/2"	107'-8 1/2"	112'-4"	114'-11 1/2"	6551.1	106.1	108'-4"	3084.3	
672	293'-1 1/2"	108'-8 1/2"	113'-4"	115'-11 1/2"	6611.1	107.1	109'-4"	3113.3	
678	295'-8 1/2"	109'-8 1/2"	114'-4"	116'-11 1/2"	6671.1	108.1			



STREET LEGEND

PROJECT LIMITS	---
MAINTAIN GUTTER	---
EXISTING CONTOUR	---
WHEELCHAIR RAMP	⓪
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	→
TOP OF CURB SPOT ELEVATION	(857.30) x
PAVEMENT ELEVATION	857.00(P) x
WASHOUT CROWN SECTION	---
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	---
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	---
DRIVEWAY	---



PAPE-DAWSON ENGINEERS

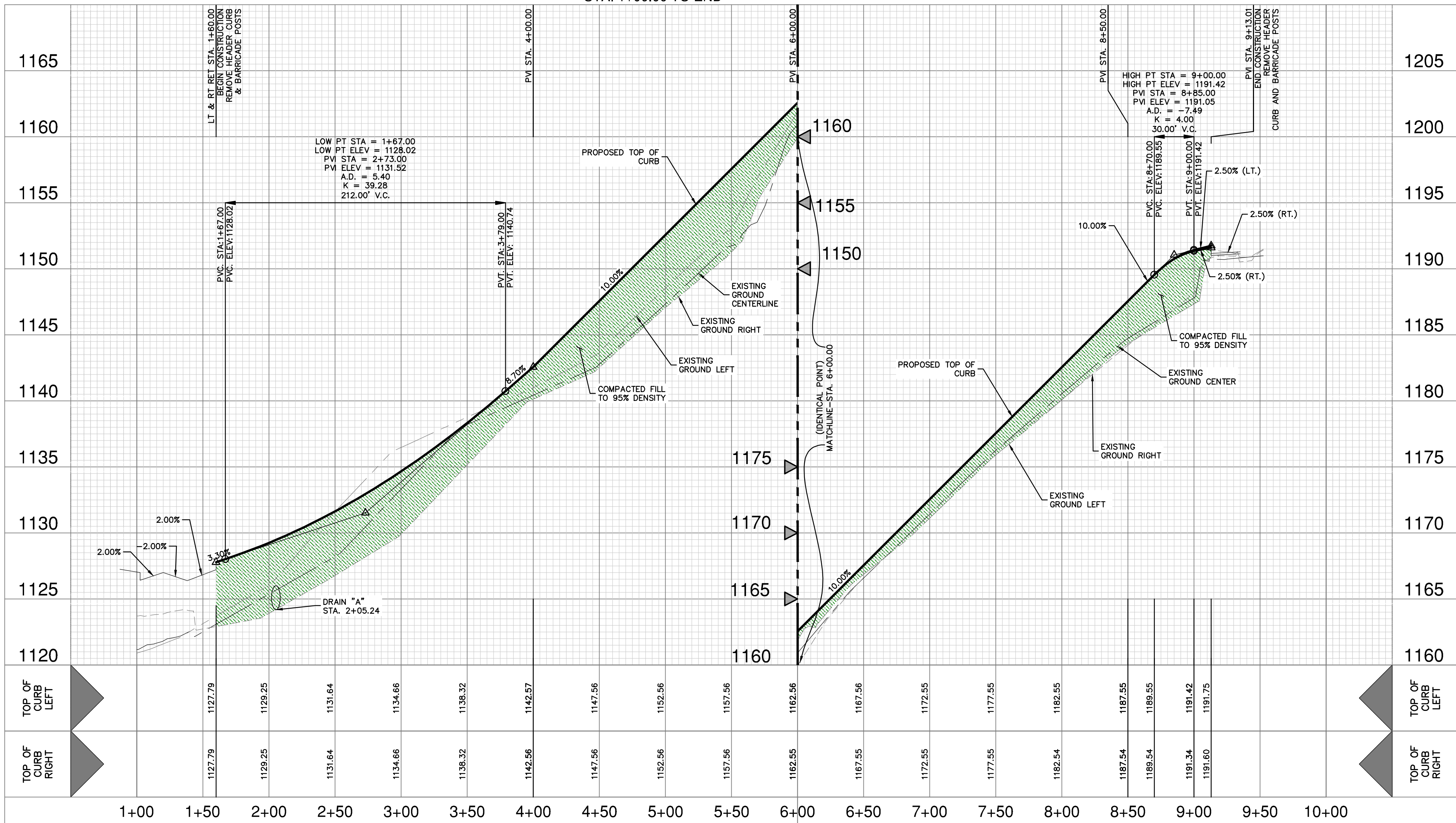
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028890

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

WEVELGLEN PLAN & PROFILE
STA. 1+00.00 TO END

WEVELGLEN
STA. 1+00.00 TO END

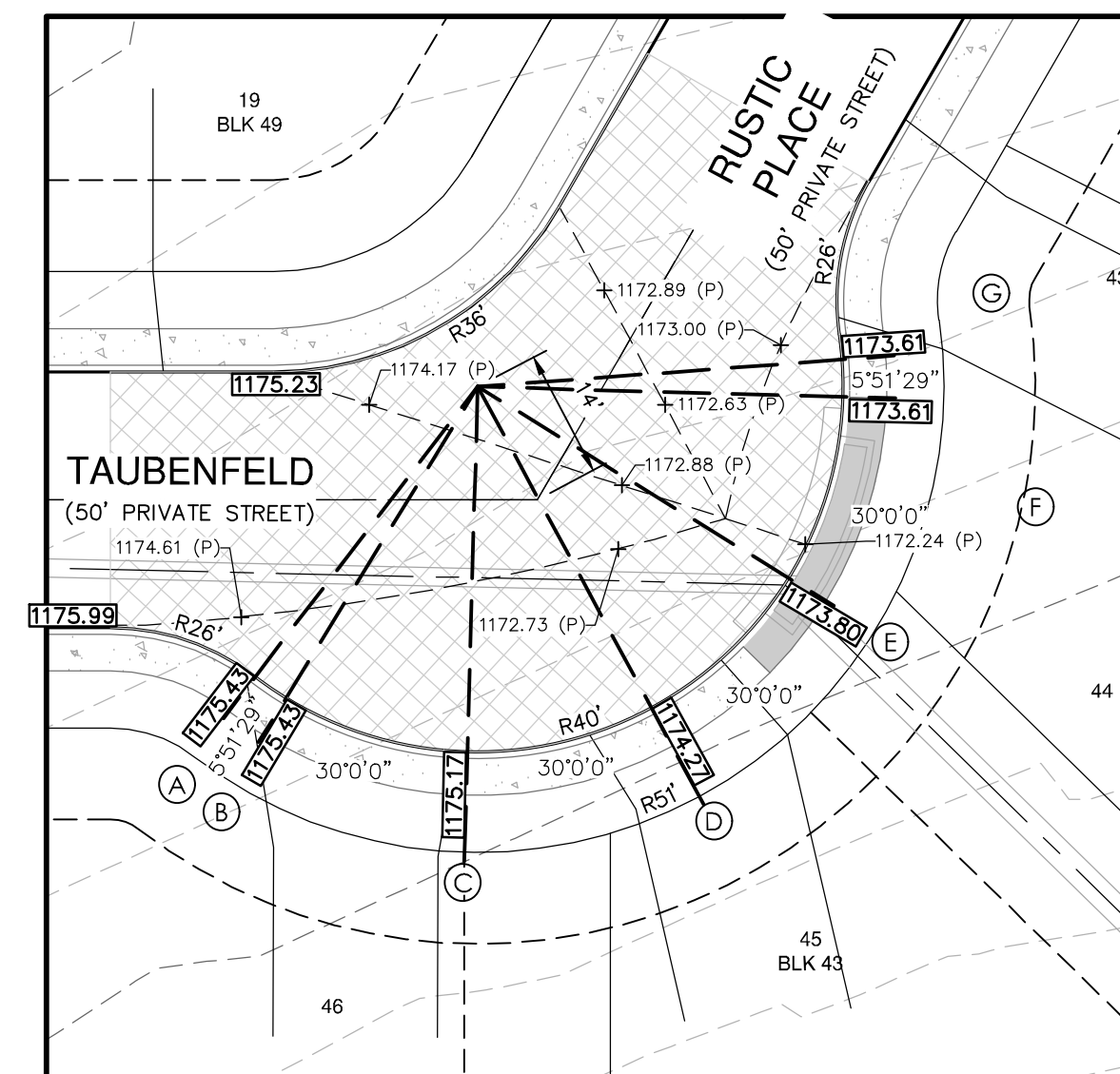
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



STREET NOTES:

- CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT THE IN, IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
- SIDEWALKS SHALL BE CONSTRUCTED 3'-FT FROM THE BACK OF CURB FOR ALL LOCATIONS WHERE THE SIDEWALK IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
- NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, AND VEGETATION, SHALL BE CONSTRUCTED OR ALLOWED WITHIN THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
- DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
- CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 35-506 (Q)(6).
- THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN. SIDEWALKS ARE NOT SHOWN ADJACENT TO ALL PRIVATE STREETS. REFER TO SHEET C3.00 FOR LOCATIONS OF SIDEWALK CONSTRUCTION.
- FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5 AND A PI MAXIMUM OF 20. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LIME APPLICATION RATE SHOULD BE RE-EVALUATED FOR THE FILL MATERIAL. THE MATERIAL SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES.

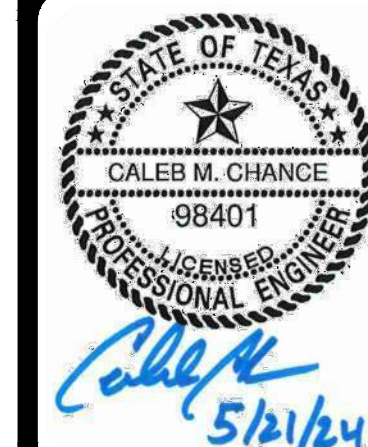
PLAT NO. 22-11800764
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER JV
CHECKED AW DRAWN RD
SHEET C2.00



PROJECT LIMITS	
MAINTAIN GUTTER	
EXISTING CONTOUR	970
WHEELCHAIR RAMP	①
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	→
TOP OF CURB SPOT ELEVATION	857.30
PAVEMENT ELEVATION	857.00(P) ×
WASHOUT CROWN SECTION	
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	
DRIVEWAY	



1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN, IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
2. SIDEWALKS SHALL BE CONSTRUCTED 3'-FT FROM THE BACK OF CURB FOR ALL LOCATIONS WHERE THE SIDEWALK IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
3. NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, ETC., SHALL BE ALLOWED TO BE CONSTRUCTED ALLOWED WITHIN THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
4. DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB-RAMP DRAINAGE STRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
5. CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 355-506 (Q)(6).
6. THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN SIDEWALKS ARE NOT SHOWN ADJACENT TO ALL PRIVATE STREETS. REFER TO SHEET C3.00 FOR LOCATIONS OF SIDEWALK CONSTRUCTION.
7. FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5 AND A MAXIMUM OF 20. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LIME APPLICATION RATE SHOULD BE RE-EVALUATED FOR THE FILL MATERIAL. TOP DRESS SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES.

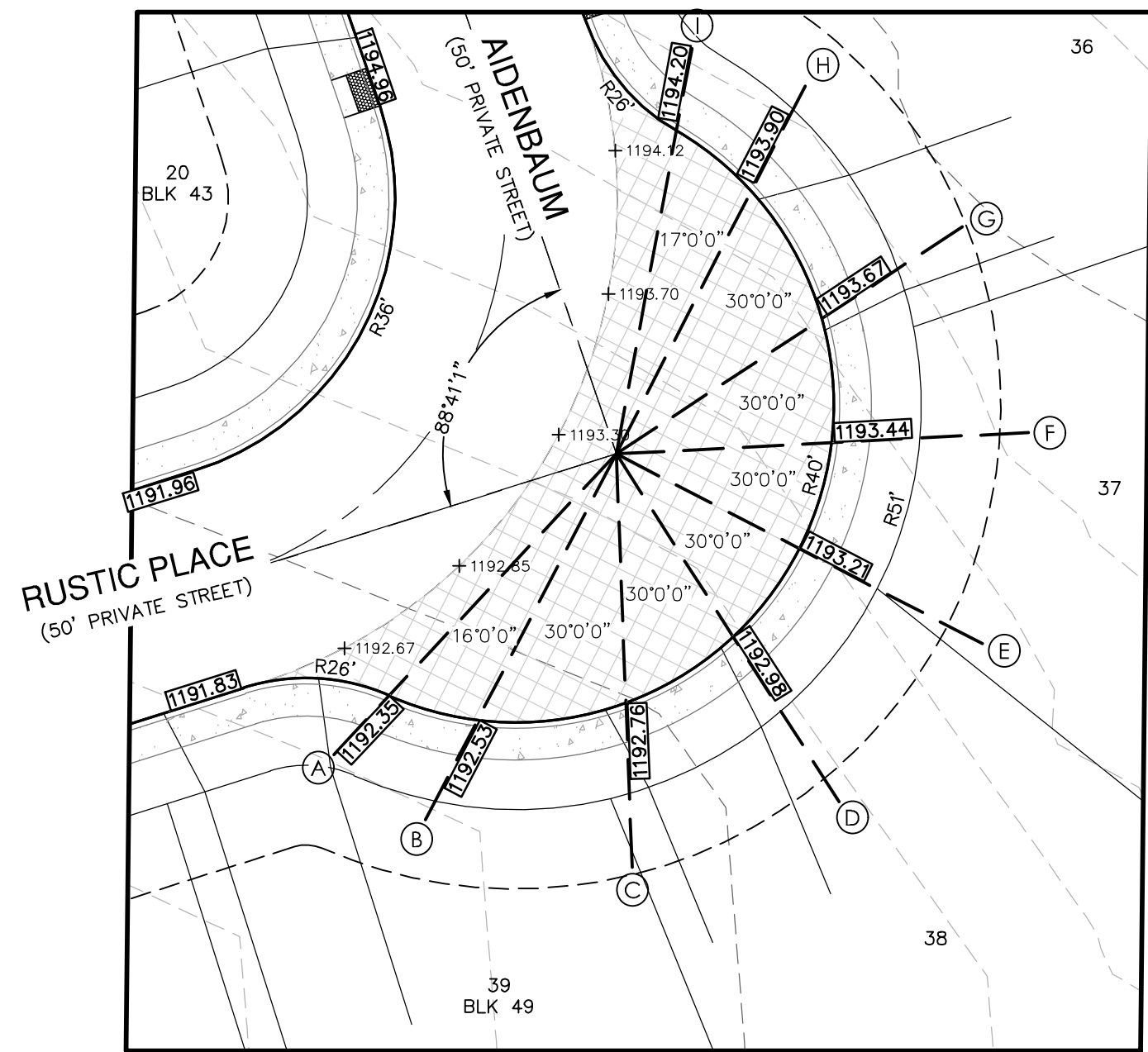






**PAPE-DAWSON
ENGINEERS**

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

TAUBENFELD PLAN & PROFILE
STA: 15+80.30 TO END

PLAT NO. 22-11800764
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER UV
CHECKED AW DRAWN RD
SHEET C2.01



PROJECT LIMITS	
MAINTAIN GUTTER	_____
EXISTING CONTOUR	----- 970 -----
WHEELCHAIR RAMP	①
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	
TOP OF CURB SPOT ELEVATION	857.30
PAVEMENT ELEVATION	857.00(P) ×
WASHOUT CROWN SECTION	
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	
DRIVEWAY	_____

**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10029800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

RUSTIC PLACE PLAN & PROFILE
STA. 1+00.00 TO END

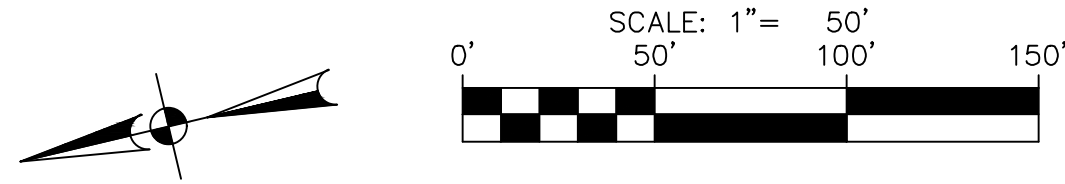
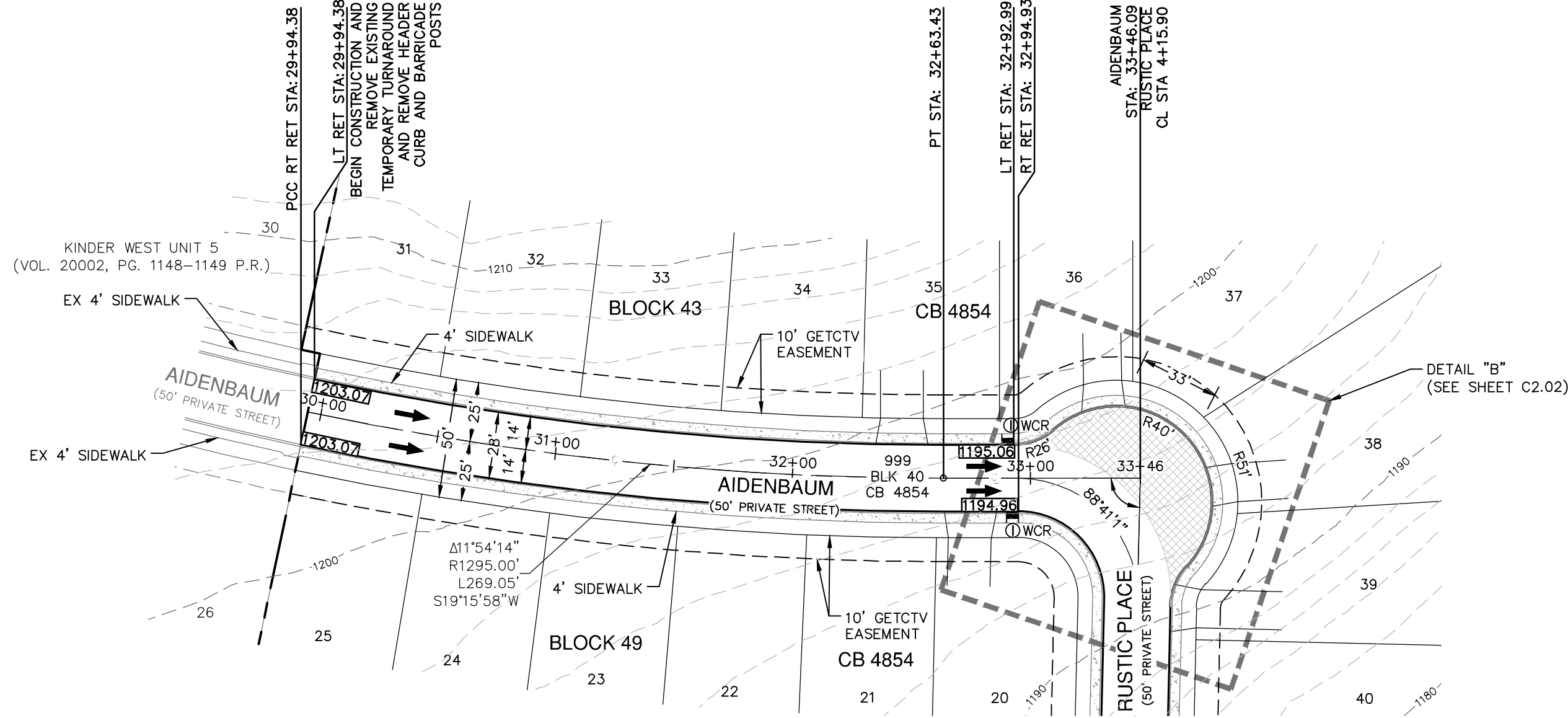
STREET NOTES:

1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN. IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
2. SIDEWALKS SHALL BE CONSTRUCTED 3'-FT FROM THE BACK OF CURB FOR ALL LOCATIONS WHERE THE SIDEWALK IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
3. NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, AND SIGNAGE, SHALL BE ALLOWED WITHIN THE CLEAR WIDTH OF THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
4. DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF ADJACATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
5. CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 35-506 (Q)(6).
6. THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL DRAINAGE PLAN. SIDEWALKS ARE NOT SHOWN ADJACENT TO ALL LOT STREETS. REFER TO SHEET C3.00 FOR LOCATIONS OF SIDEWALK CONSTRUCTION.
7. FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5 AND A PL MAXIMUM OF 20. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LINE APPLICATION RATE SHOULD BE RE-EVALUATED FOR THE PROJECT. THE APPLICATION RATE SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES.

PLAT NO. 22-1180076
 JOB NO. 8802-60
 DATE OCTOBER 2023
 DESIGNER UV
 CHECKED AT DRAWN RD
 SHEET C2.02

Notes: May 21, 2024, 6:00pm User: JB_williams
File: P:\06\02\060\Drawings\Civil\ST680260 - AIDENBAUM.dwg

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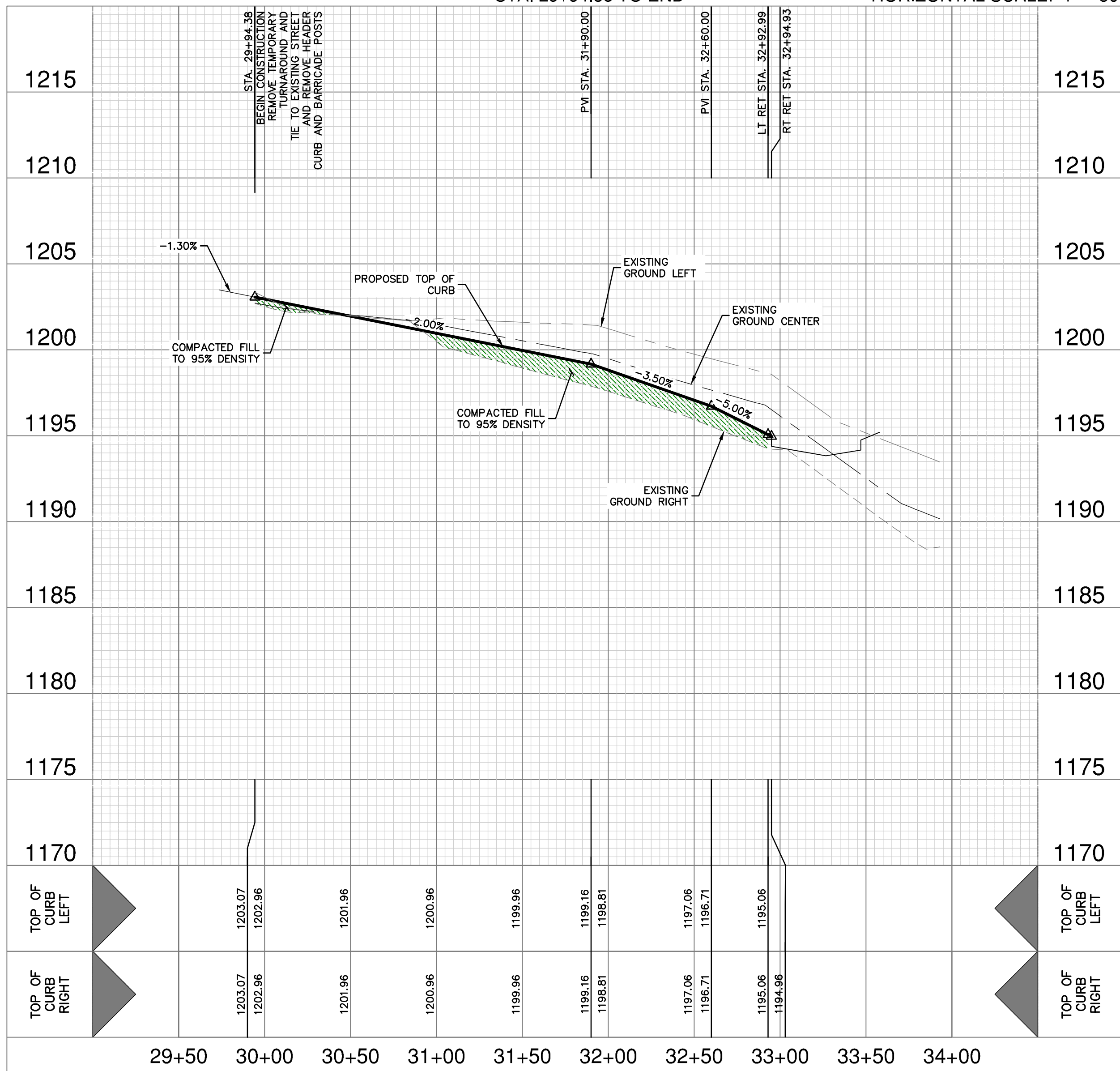


STREET LEGEND

PROJECT LIMITS	---
MAINTAIN GUTTER	---
EXISTING CONTOUR	---
WHEELCHAIR RAMP	①
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	→
TOP OF CURB SPOT ELEVATION	(857.30) x
PAVEMENT ELEVATION	857.00(P) x
WASHOUT CROWN SECTION	857.00(P) x
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	857.00(P) x
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	857.00(P) x
DRIVEWAY	---

AIDENBAUM
STA. 29+94.38 TO END

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



STREET NOTES:

- CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN. IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
- SIDEWALKS SHALL BE CONSTRUCTED 3'-FT FROM THE BACK OF CURB FOR ALL LOCATIONS WHERE THE SIDEWALK IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
- NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, AND VEGETATION, SHALL BE CONSTRUCTED OR ALLOWED WITHIN THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
- DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
- CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 35-506 (O)(6).
- THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN. SIDEWALKS ARE NOT SHOWN ADJACENT TO ALL PRIVATE STREETS. REFER TO SHEET C3.00 FOR LOCATIONS OF SIDEWALK CONSTRUCTION.
- FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5 AND A PI MAXIMUM OF 20. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LIME APPLICATION RATE SHOULD BE RE-EVALUATED FOR THE FILL MATERIAL. THE MATERIAL SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES.

**PAPE-DAWSON
ENGINEERS**
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
AIDENBAUM PLAN & PROFILE
STA. 29+94.38 TO END

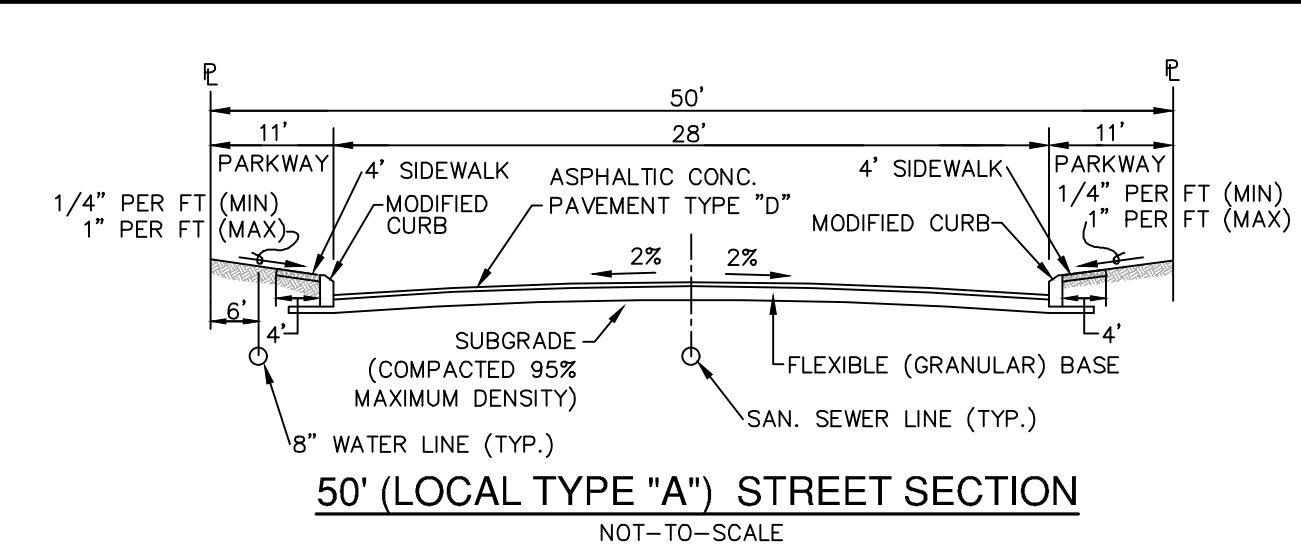
PLAT NO. 22-11800764
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER JV
CHECKED AT DRAWN RD
SHEET C2.03

NO.	REVISION	DATE



PAVEMENT SECTION DETAIL								
STREET NAME	CLASSIFICATION	STATION	TYPE "D" HMAC SURFACE TXDOT ITEM 340, in.	CRUSHED LIMESTONE BASE	STABILIZED SUBGRADE	GEOGRID	CBR	STRUCTURAL NUMBER
WEVELGLEN	LOCAL A	1+00.00 TO END	2"	10"	6*	NO	2.5	2.76
TAUBENFELD	LOCAL A	15+80.30 TO END	2"	10"	6*	NO	2.5	2.76
RUSTIC PLACE	LOCAL A	1+00.00 TO END	2"	10"	6*	NO	2.5	2.76
AIDENBAUM	LOCAL A	29+94.38 TO END	2"	10"	6*	NO	2.5	2.76

*SEE STREET SUBGRADE NOTES



GENERAL NOTES:

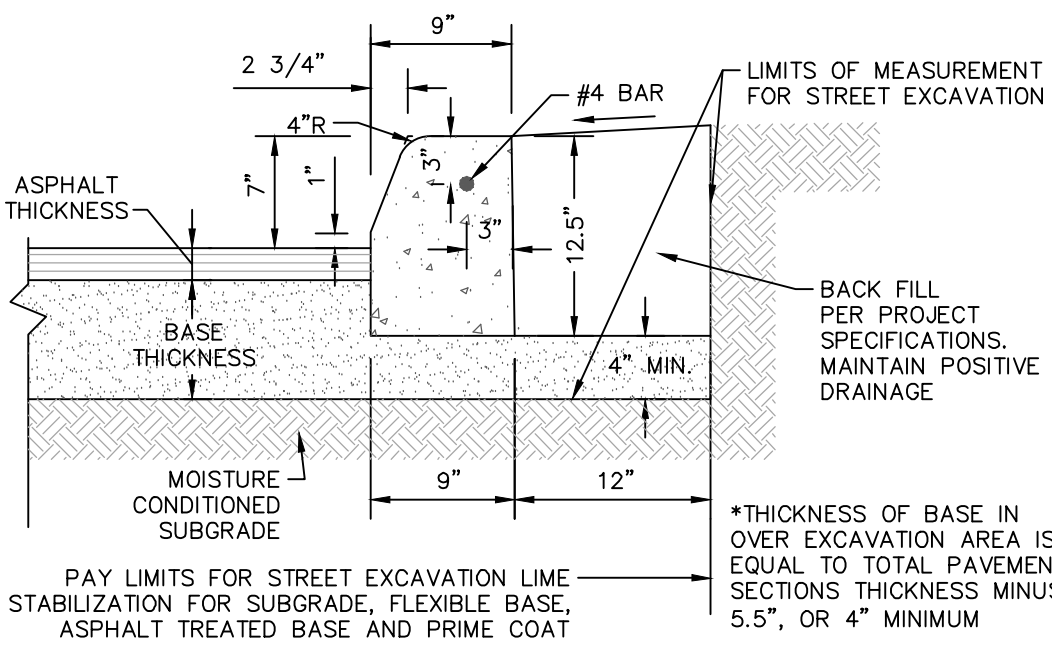
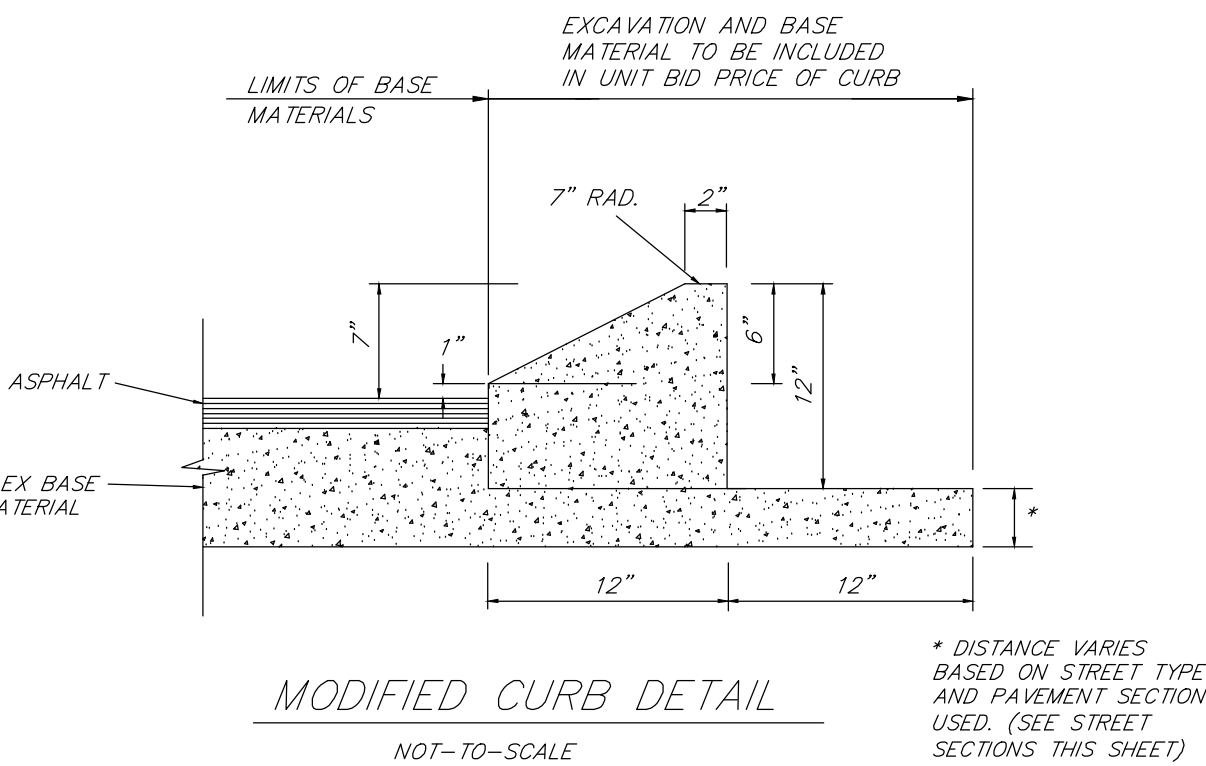
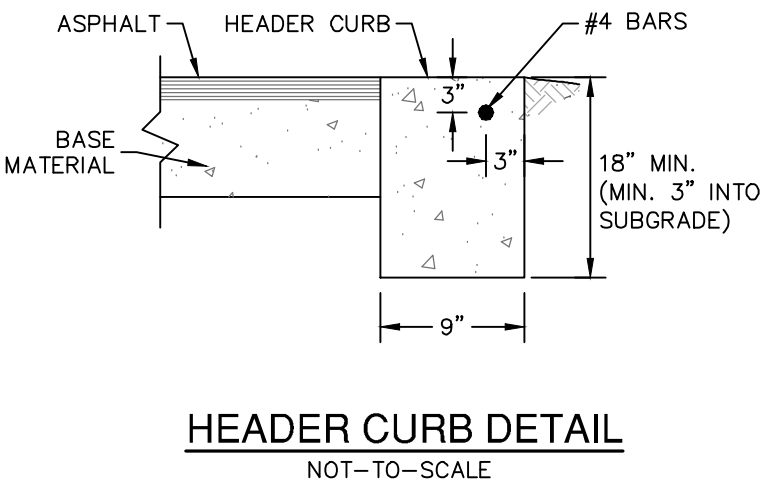
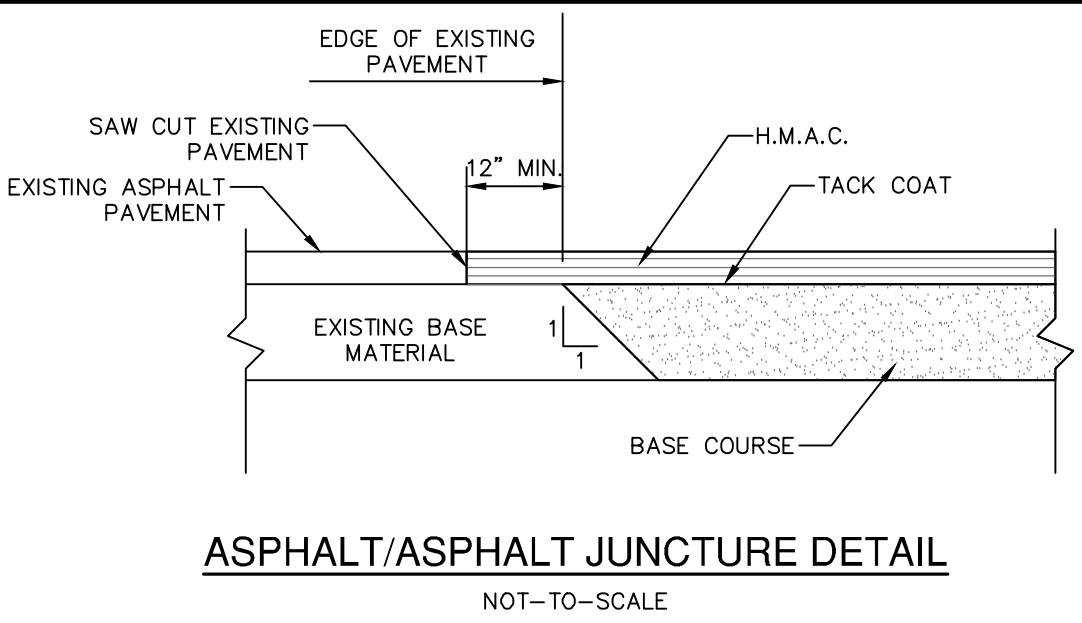
- CONTRACTOR SHALL REFERENCE THE PROJECT PAVEMENT DESIGN REPORT PREPARED BY **INTEC PROJECT NO. S221476** DATED **JANUARY 5, 2023**.
- CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY THE SUB GRADE CONDITION PRIOR TO PLACING ANY BASE MATERIAL. GEOTECHNICAL ENGINEER SHALL DETERMINE THE SUB GRADE CONDITION AND IF LIME STABILIZATION IS REQUIRED.
- GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE.
- THE FLEXIBLE BASE COURSE SHOULD BE CRUSHED LIMESTONE CONFORMING TO TXDOT STANDARD SPECIFICATIONS, ITEM 247, TYPE A, GRADES 1 OR 2.
- THE MOISTURE CONTENT OF THE FILL SHOULD BE MAINTAINED WITHIN THE RANGE OF OPTIMUM WATER CONTENT TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM WATER CONTENT UNTIL PERMANENTLY COVERED.
- IN THE EVENT THAT THE CLAY FILL USED IS DIFFERENT THAN THE EXISTING SUBGRADE, THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT COULD BE INVALIDATED AND THE DESIGN ENGINEER MUST BE CONSULTED TO DETERMINE IF ADDITIONAL CBR TESTING AND THICKER PAVEMENT SECTIONS ARE REQUIRED.
- WHERE PAVEMENT SUBGRADE IS LOCATED WITHIN 2-FEET OF THE EXISTING GROUND SURFACE (STRATUM 1 CLAYS), MOISTURE CONDITIONED SUBGRADE WILL BE REQUIRED. GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE TO DETERMINE WHERE THE MOISTURE CONDITIONED SUBGRADE IS NEEDED. REFERENCE GEOTECHNICAL ENGINEERING REPORT FOR MORE INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL MATERIAL TESTING WITH THE PROJECT GEOTECHNICAL ENGINEER. TESTING SHALL BE PAID FOR BY THE OWNER.
- FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5, AND A MAXIMUM PLASTICITY INDEX VALUE OF 55 IN "CLAY AREAS" AND A MINIMUM CBR VALUE OF 5.0 AND A MAXIMUM PLASTICITY INDEX OF 20 IN "MARI/LIMESTONE AREAS". THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LIME OR CEMENT APPLICATION RATES SHOULD BE RE-EVALUATED FOR THE FILL MATERIAL. THE MATERIAL SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES. CONTRACTOR TO VERIFY EXACT SPECIFICATIONS WITH PROJECT GEOTECHNICAL ENGINEERING REPORT.
- A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN THE BEXAR COUNTY ROW. CONTRACTOR SHALL COORDINATE A TRAFFIC CONTROL PLAN FOR ALL WORK WITHIN THE ROW. ADDITIONAL WARNING SIGNS MAY BE RECOMMENDED BY THE ENGINEER ONCE THE ROADWAYS ARE CONSTRUCTED.

STREET SUBGRADE NOTES:

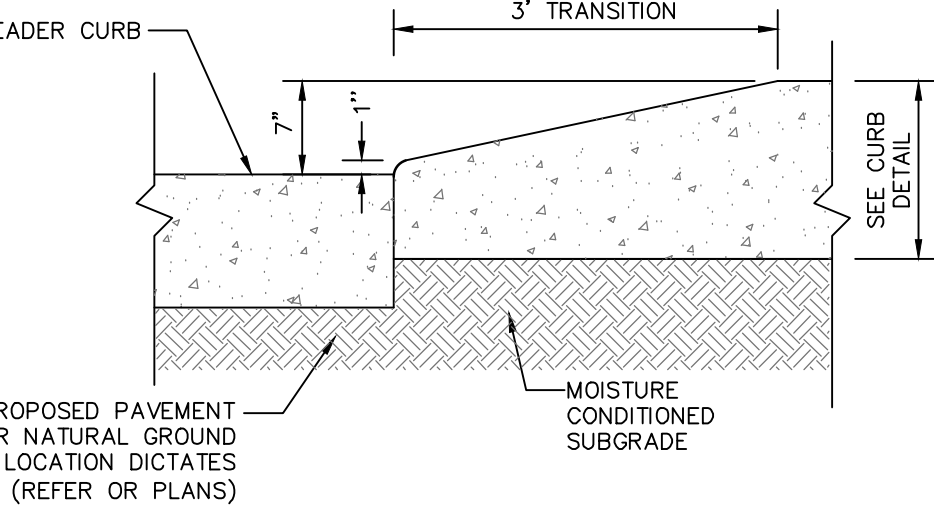
- IF THE STREET SUBGRADE PLASTICITY INDEX VALUE IS GREATER THAN 20, SUBGRADE STABILIZATION IS NEEDED AS PER CITY OF SAN ANTONIO REQUIREMENTS.
- IF THE SUBGRADE PLASTICITY INDEX VALUE IS 20 OR LESS, SUBGRADE STABILIZATION IS NOT NEEDED. THE SUBGRADE SHOULD BE MOISTURE CONDITIONED (COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AT A MINIMUM MOISTURE CONTENT OF OPTIMUM PLUS 2 PERCENT (TEXT114E)).
- THE SUBGRADE SHOULD BE STABILIZED USING 8 PERCENT LIME TO A DEPTH OF 6 INCHES AS NOTED ABOVE.
- THE SUBGRADE SOILS SHOULD BE TESTED FOR SOIL SULFATE CONTENT PRIOR TO STABILIZATION. IF THE SOIL SULFATE CONTENT IS HIGH, AN ALTERNATE PROCEDURE / RECOMMENDATION WILL BE NEEDED.
- LIME APPLICATION RATE OF 35 LBS PER SQ YARD FOR 6 INCH AND 47 LBS PER SQ YARD FOR 8 INCH DEPTH OF STABILIZATION IS RECOMMENDED.
- APPROVED FILL MATERIAL SHOULD BE USED TO RAISE THE GRADE. THE FILL SHOULD BE FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2.5 IN "CLAY AREAS" AND A MINIMUM CBR VALUE OF 5.0 IN "MARI/LIMESTONE AREAS". LIME APPLICATION RATES SHOULD BE RE-EVALUATED AND TESTED FOR SULFATE CONTENT PRIOR TO USE OF THE FILL MATERIAL. THE MATERIAL SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES.
- THE SUBGRADE SHOULD BE PROOF ROLLED TO IDENTIFY SOFT AREAS BEFORE STABILIZATION.

LIME NOTES:

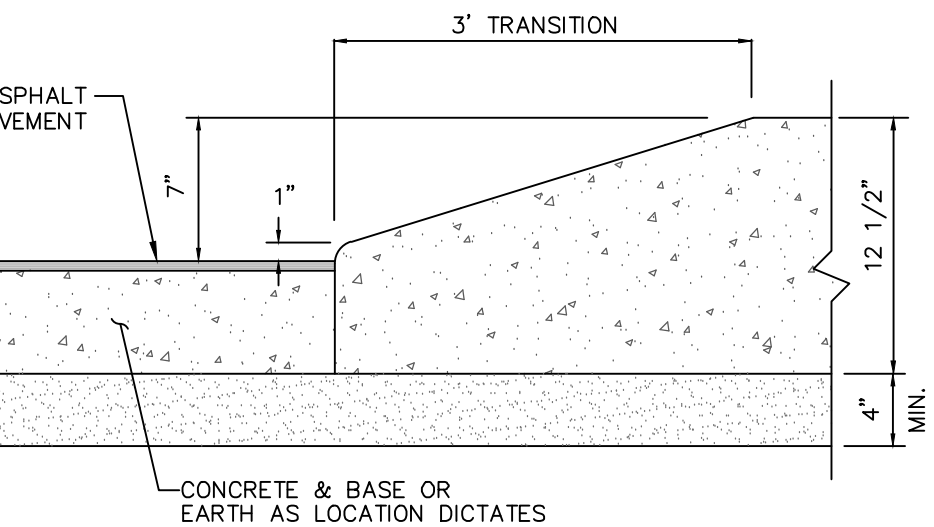
- FOR LIME STABILIZATION CONSTRUCTION VERIFICATION THE FOLLOWING SHALL BE CONDUCTED ON THE FIELD:
- AFTER INITIAL MIXING THE SOIL-LIME MIXTURE SHALL MELLOW FOR A PERIOD OF TWO TO THREE (2-3) DAYS. MAINTAIN MOISTURE DURING MELLOWING.
 - AFTER MELLOWING AND FINAL MIXING, THE PULVERIZATION SHALL BE CHECKED USING THE FOLLOWING CRITERIA (REMOVE NON-SLAKING AGGREGATES RETAINED ON THE 3/4 INCH SIEVE FROM THE SAMPLE):
 - MINIMUM PASSING 1/2" SIEVE 100
 - MINIMUM PASSING 3/8" SIEVE 85
 - MINIMUM PASSING NO. 4 SIEVE 60
 - 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 IN THE BEXAR COUNTY FLEXIBLE PAVEMENT DESIGN CRITERIA GUIDE FOR MIXTURE DESIGN.
 - COMPACT AND CHECK FIELD DENSITY (MINIMUM OF 95% OF MDD REQUIRED).
 - CURE FOR AN ADDITIONAL 2 TO 5 DAYS (TOTAL MELLOWING AND CURING TIME SHOULD TOTAL AT LEAST 5 DAYS).
 - VERIFY DEPTH OF LIME STABILIZED LAYER TO DEPTH AS NOTED ON PLAN TO WITHIN +/- 1.0 INCH.



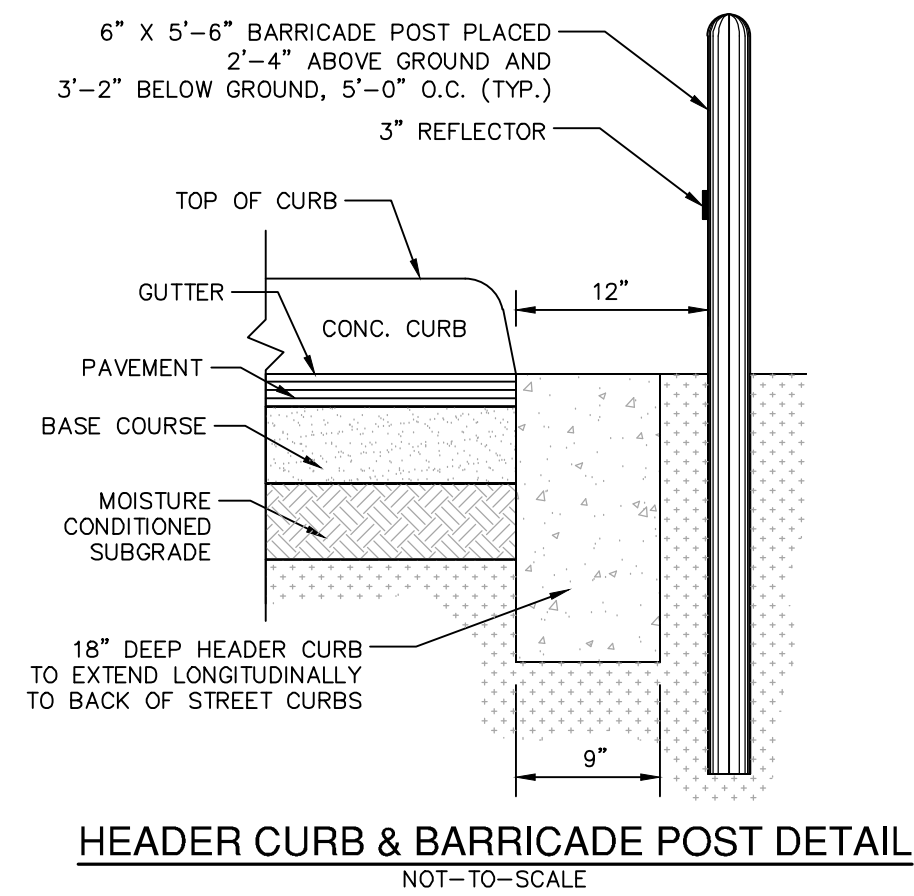
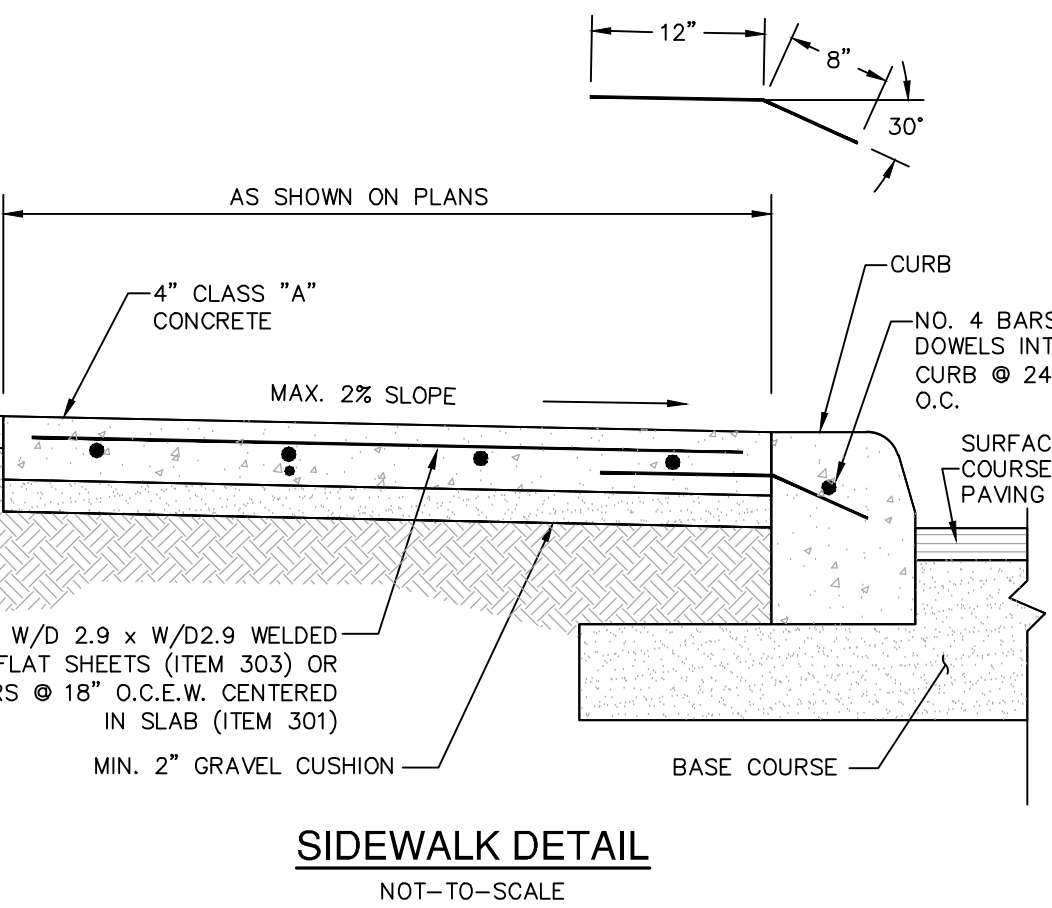
CONCRETE CURB DETAIL NOT-TO-SCALE



CURB TRANSITION DETAIL (FROM HEADER CURB TO STANDARD CURB) NOT-TO-SCALE

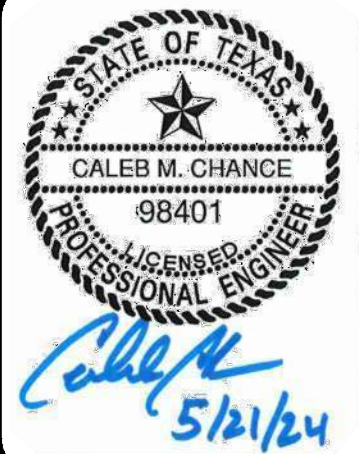


CURB TRANSITION DETAIL (FROM PAVEMENT TO STANDARD CURB) NOT-TO-SCALE



HEADER CURB & BARRICADE POST DETAIL NOT-TO-SCALE

DATE	
NO.	
REVISION	



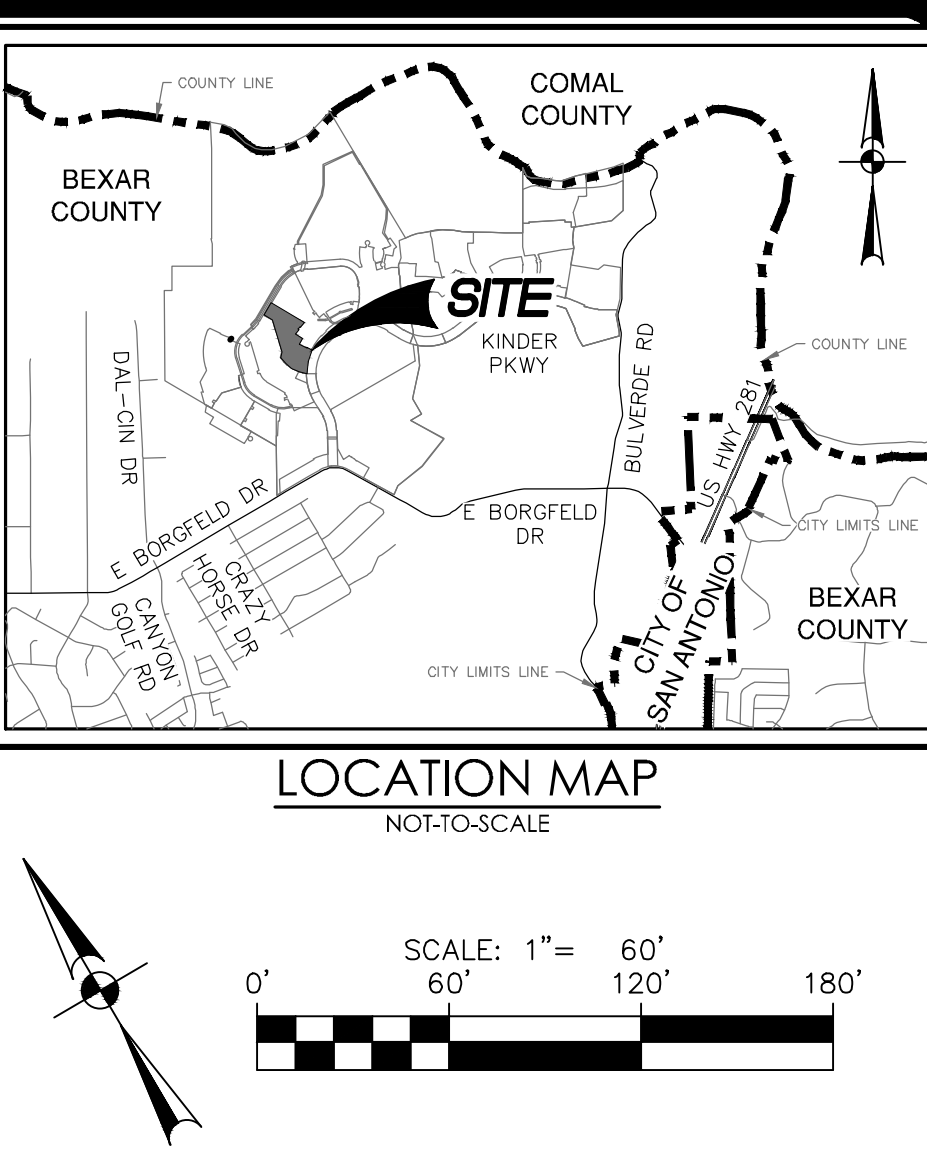
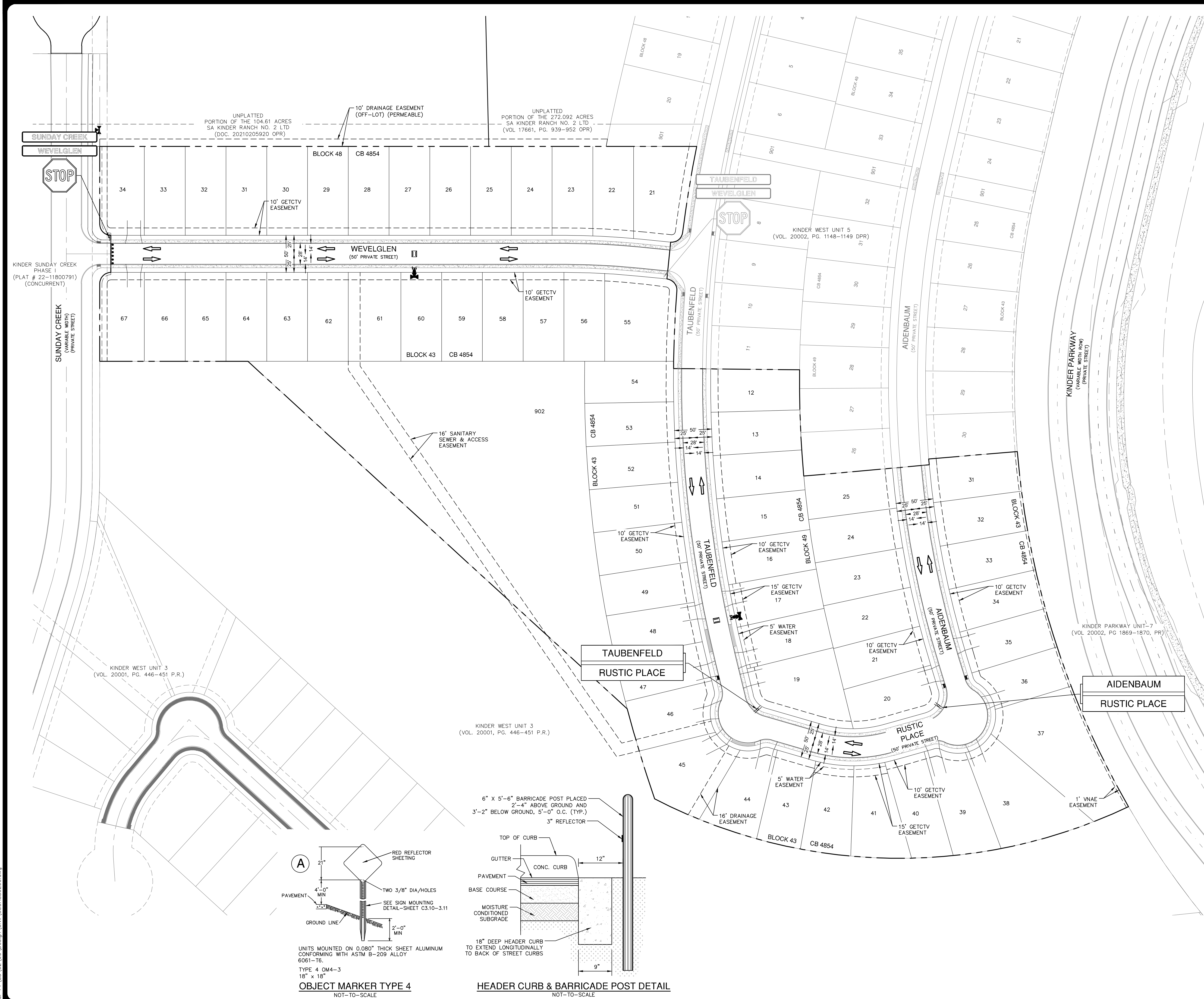
PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

STREET DETAILS

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	UV
CHECKED	AW
DRAWN	RD
SHEET	C2.10

Date: May 21, 2024, 6:01pm User: jg_williams
File: P:\68102\68102.dwg Drawn: JG Willams
PLOT: 22-11800764

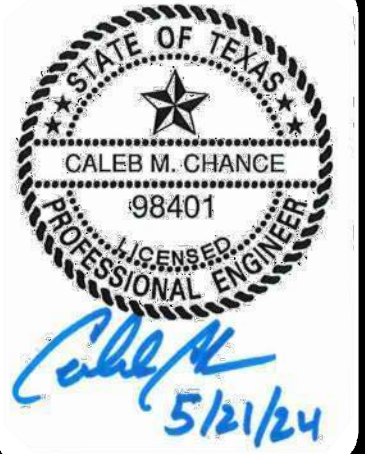


SYMBOL	ITEM NUMBER
	UNIT BOUNDARY
	TYPE II BLUE RAISED PAVEMENT MARKERS - NO SEPARATE PAY ITEM
	END OF ROAD MARKER OM4-3 531.56
	HEADER CURB W/ BARRICADE POSTS
	STREET SIGN 531.57
	R1-1 30"x30" 531.3
	SIDEWALK (HOMEOWNER) RESPONSIBILITY
	SIDEWALK (SITEWORK DEVELOPER) RESPONSIBILITY
	5'x 5' ADA PASSING SPACE
	5'x 5' ADA PASSING SPACE
	EXISTING STREET SIGN

DRIVEWAY NOTE:
DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.

TRENCH 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.

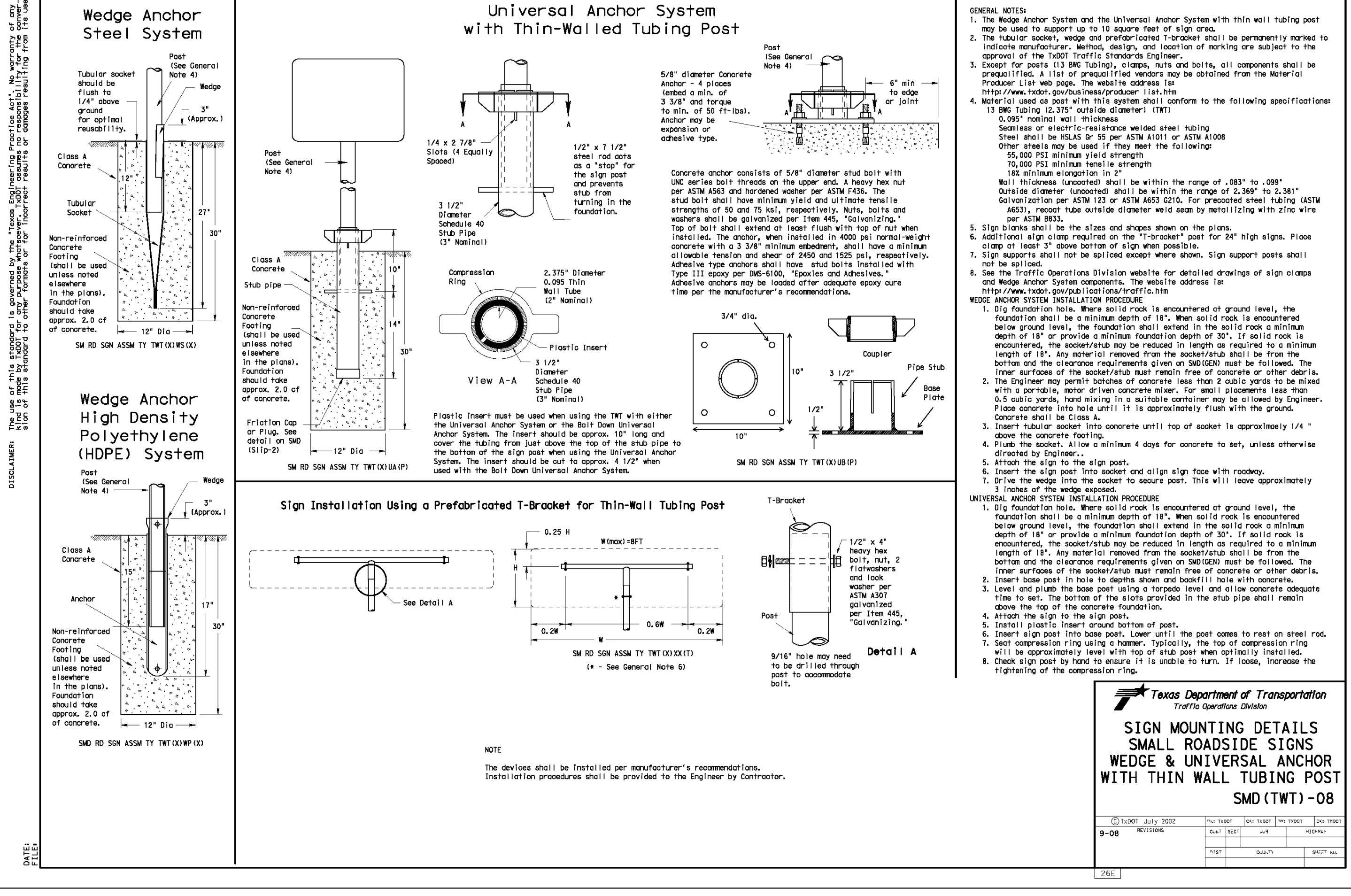
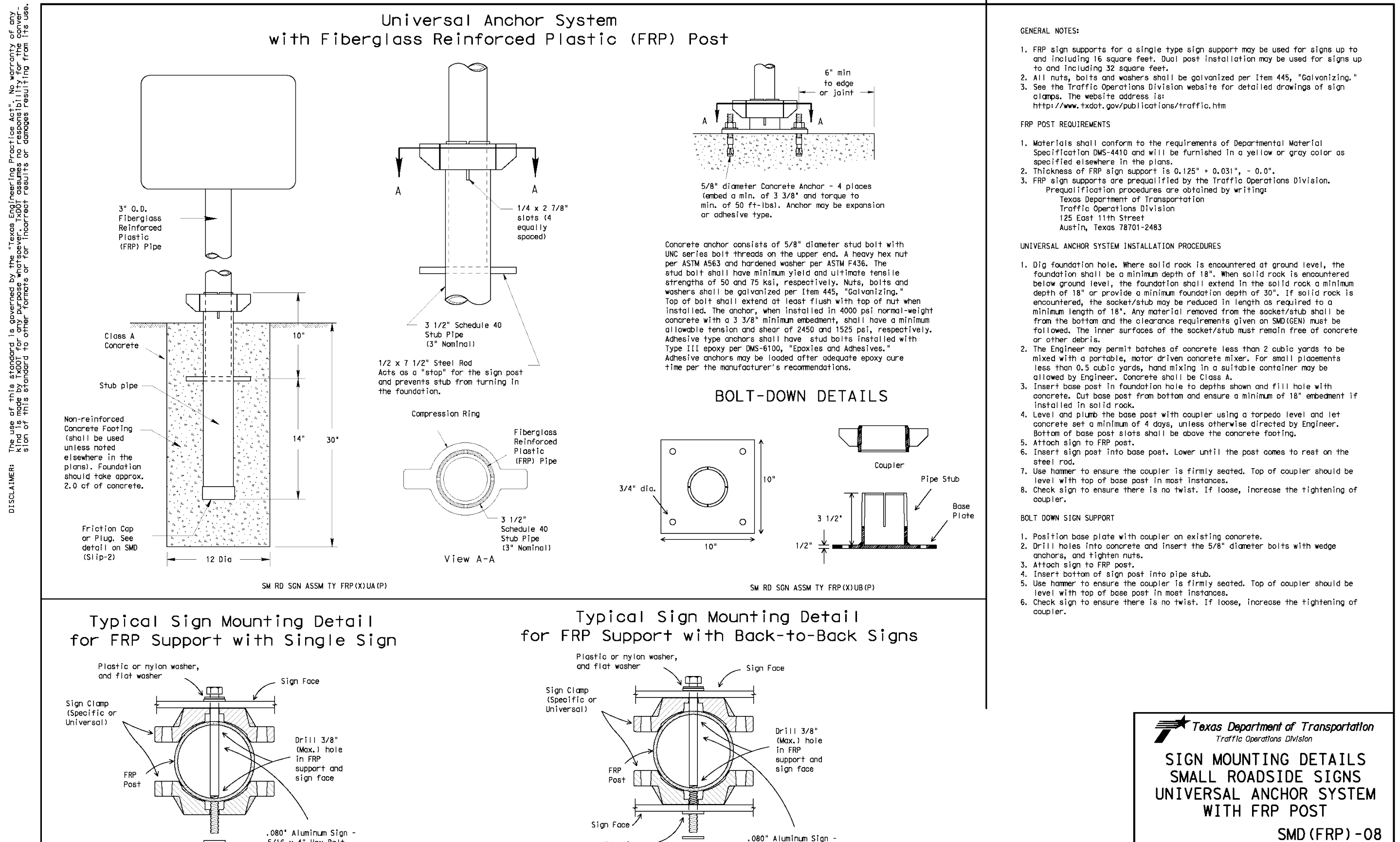
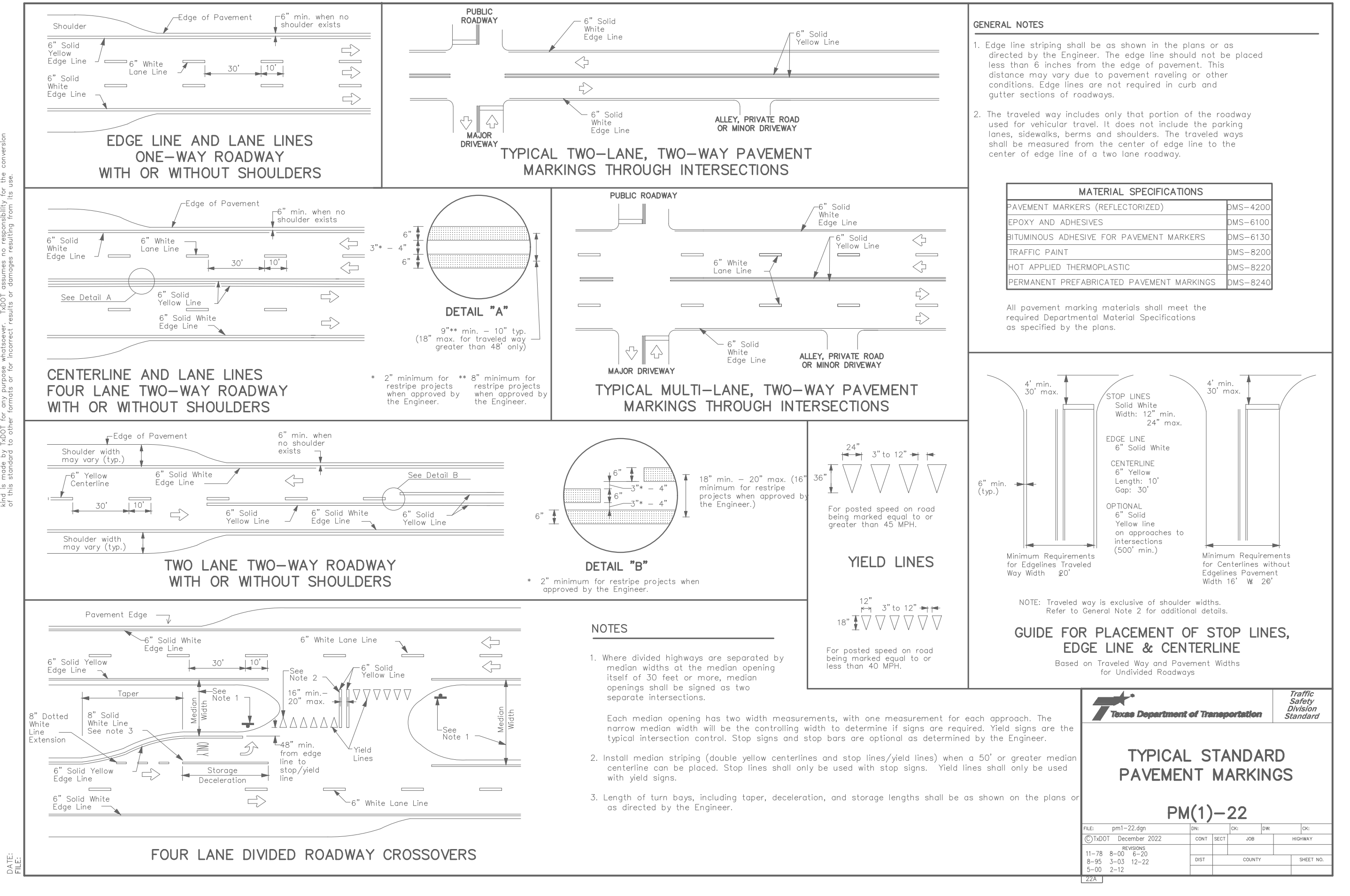
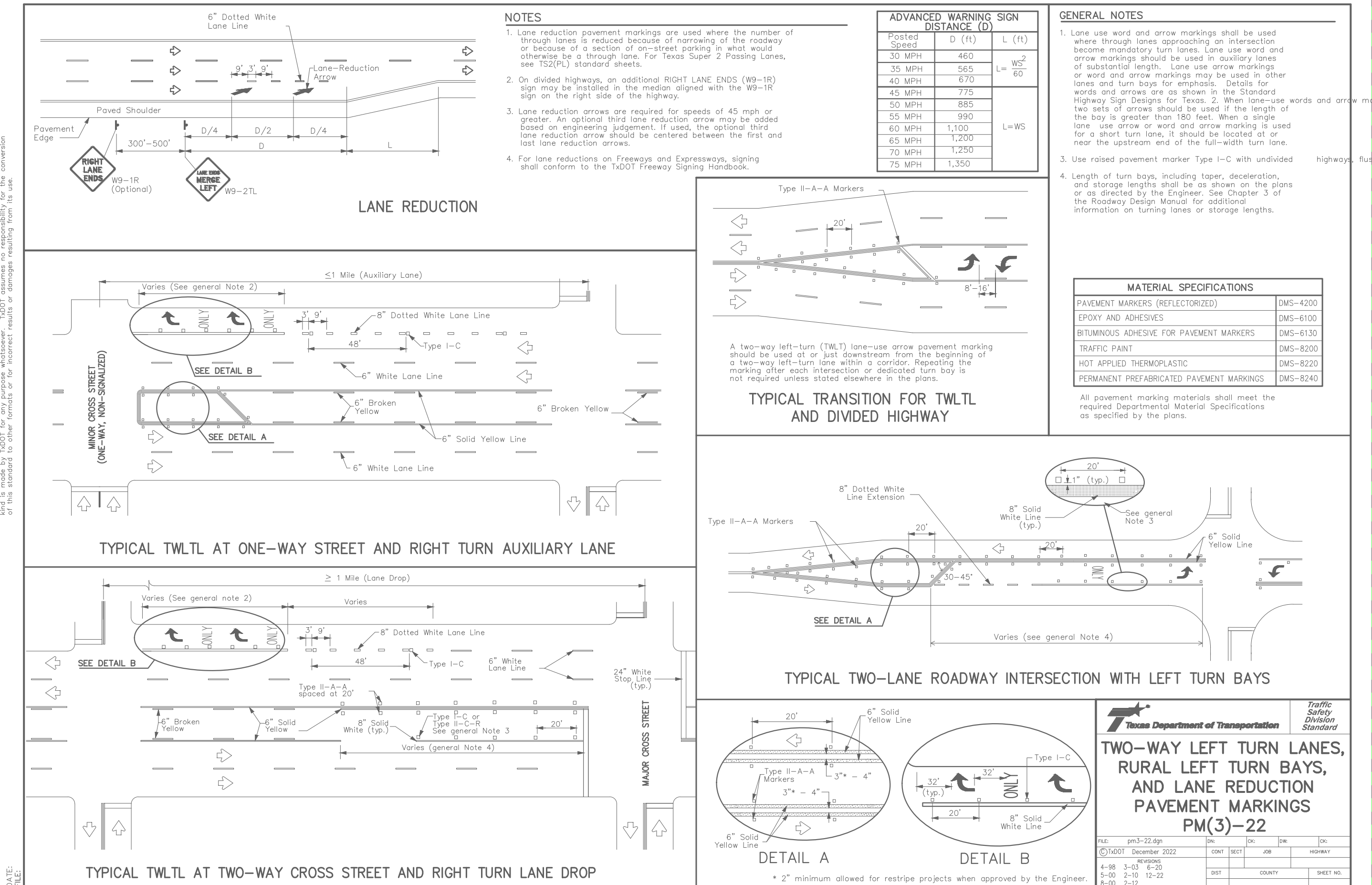
DATE	
NO.	
REVISION	

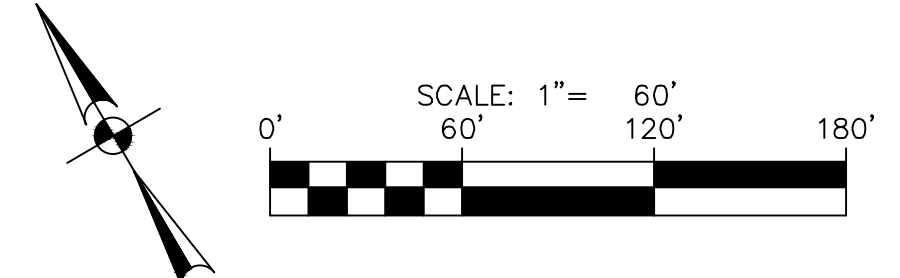
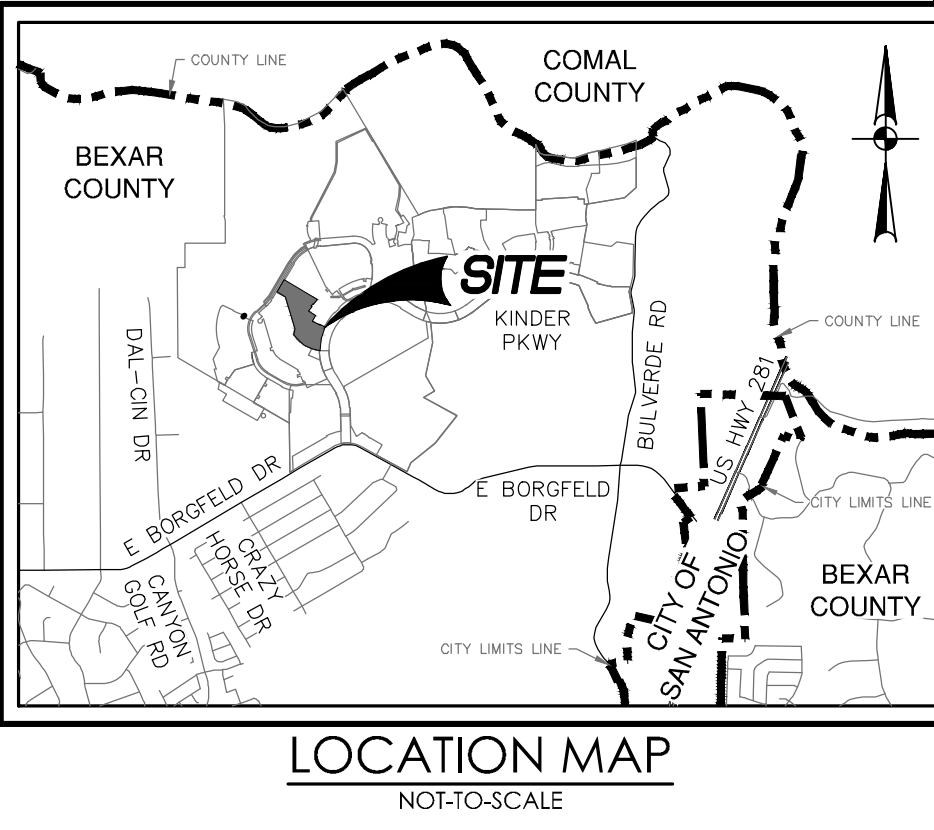
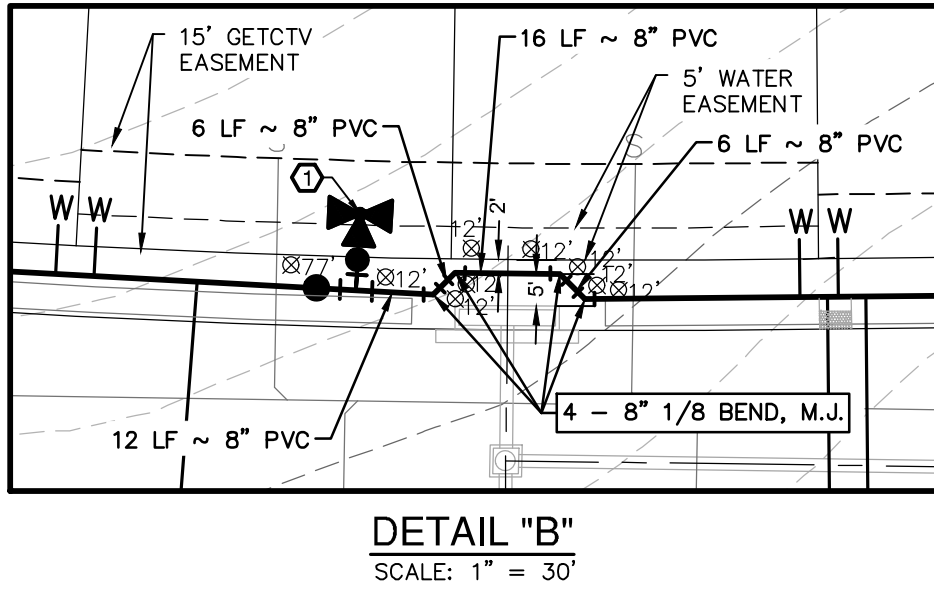
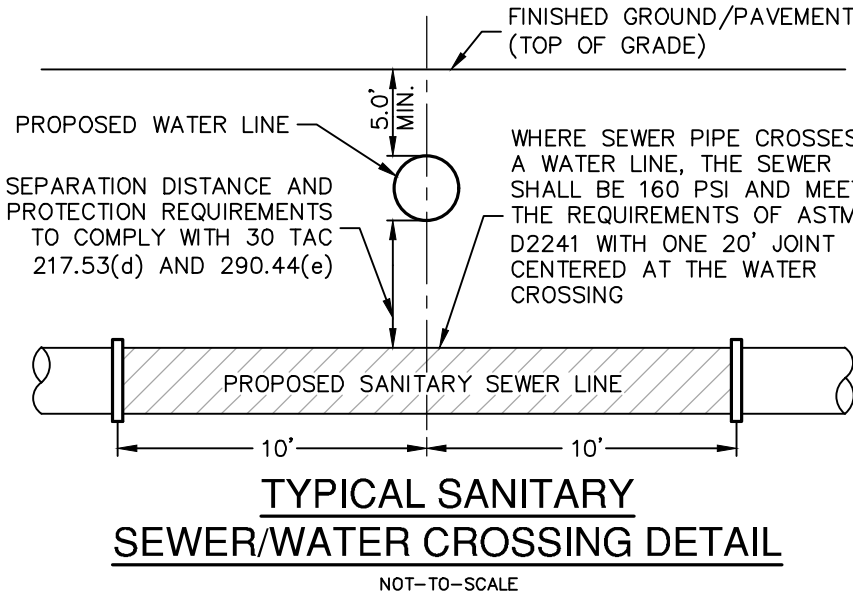
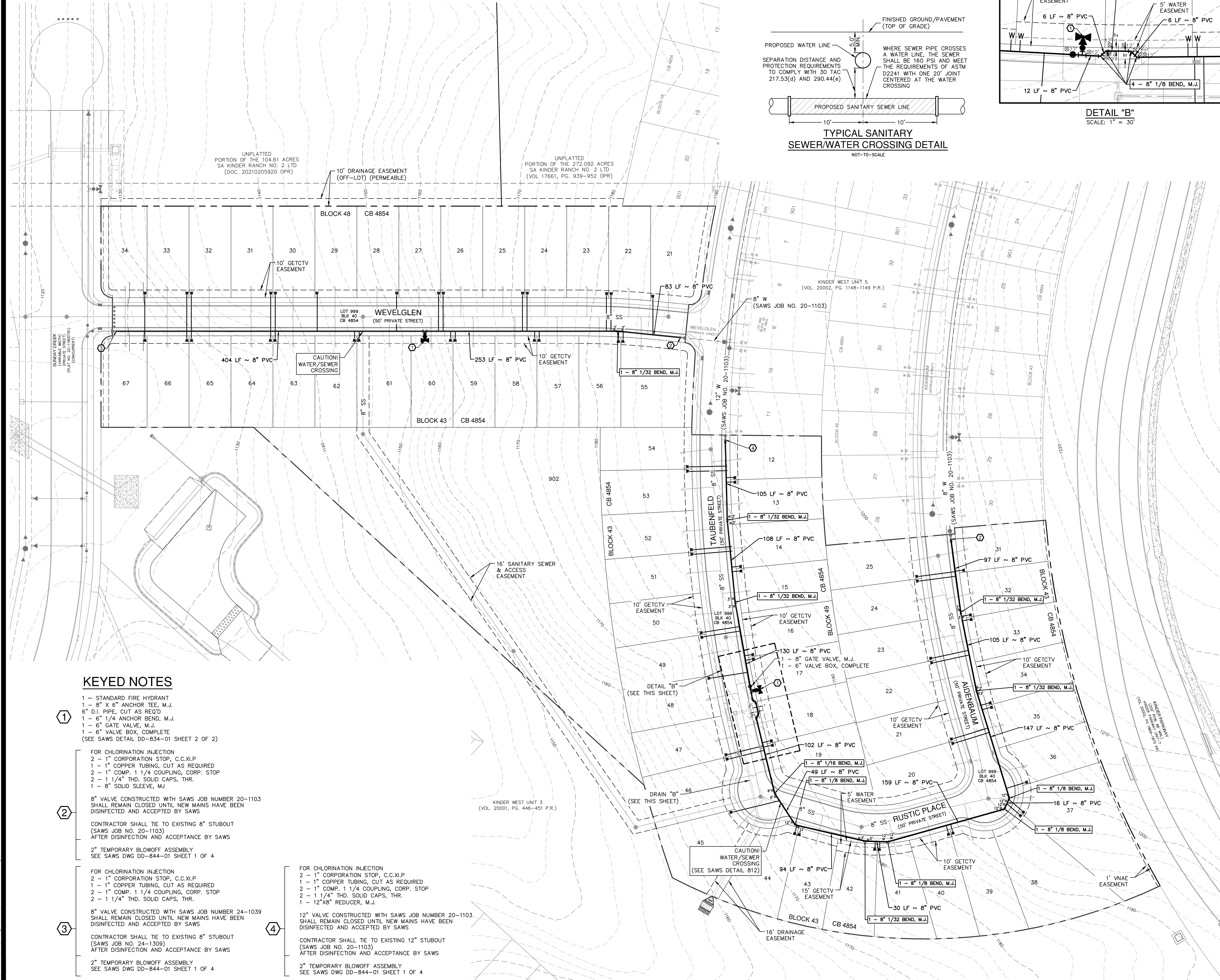


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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028890

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
OVERALL SIGNAGE PLAN

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	JUV
CHECKED	AS DRAWNRD/DD
SHEET	C3.00





WATER LEGEND	
PROJECT LIMITS	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED SEWER	---
PROPOSED WATER	---
PROPOSED 3/4" SINGLE SERVICE WITH 5/8" METER	---
PROPOSED 1" DUAL SERVICE WITH 5/8" METER	---
SINGLE IRRIGATION SERVICE (REF. PLAN VIEW FOR SIZE)	---
JOINT RESTRAINT	---

PRIVATE STREET NOTE:
THE LOT 999, BLOCK 40, CITY BLOCK 4854, TAUBENFELD, RUSTIC PLACE, ADENBAUM, AND WEVELGLEN ARE PRIVATE STREETS AND ARE ALSO DESIGNATED AS AN UNDERGROUND ELECTRIC, GAS, TELEPHONE, CABLE TV, DRAINAGE, WATER, PEDESTRIAN AND/OR SANITARY SEWER EASEMENT, THEREFORE, SUCH AREAS SHALL BE DEEMED TO HAVE BEEN DEDICATED TO THE PUBLIC FOR SUCH EASEMENTS AND PRIVATE STREETS.

PRESSURE REDUCING VALVE NOTE:
PRESSURE REDUCING VALVE TO BE INSTALLED ON CUSTOMER'S SIDE OF METER BY HOMEOWNER.

PRESSURE NOTE:
CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 1215.20 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 1215.20 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).

JOINT RESTRAINT NOTE:
CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AND PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 5 FT OF PIPE WITH NO JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY SAWS APPROVED PROGRAMS. THERE WILL BE NO SEPARATE PAY ITEM FOR RETAINER GLANDS AND OTHER JOINT RESTRAINING HARNESSES AND GASKETS, BUT SHALL BE SUBSIDIARY TO THE UNIT COST PER LINEAL FOOT OF PIPE INSTALLED.

TRENCH 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.

WATER (SAWS PRESSURE ZONE 1400E)			
DEVELOPER'S NAME: SA KINDER WEST UNIT 7			
ADDRESS: 11 LYNN BATTS LANE, SUITE 100			
CITY: SAN ANTONIO	STATE: TX	ZIP: 78218	
PHONE# (210) 828-6131	FAX#		
SAWS BLOCK MAP# 166686 TOTAL EDU'S .65 TOTAL ACREAGE 15.69			
TOTAL LINEAR FOOTAGE OF PIPE: 8"-1,909 LF. PLAT NO. 22-11800264			
NUMBER OF LOTS .65 SAWS JOB NO. 23-1164			

KEYED NOTES

- 1 - STANDARD FIRE HYDRANT
- 1 - 8" x 6" ANCHOR TEE, M.J.
- 6" D.I. PIPE, CUT AS REQ'D
- 1 - 6" 1/4 ANCHOR BEND, M.J.
- 1 - 6" GATE VALVE, M.J.
- 1 - 6" VALVE BOX, COMPLETE
- (SEE SAWS DETAIL DD-834-01 SHEET 2 OF 2)

- FOR CHLORINATION INJECTION
- 2 - 1" CORPORATION STOP, C.C.X.P.
- 1 - 1" COPPER TUBING, CUT AS REQUIRED
- 2 - 1" COMP. 1 1/4 COUPLING, CORP. STOP
- 2 - 1 1/4" THD. SOLID CAPS, THR.
- 1 - 8" SOLID SLEEVE, MJ

8" VALVE CONSTRUCTED WITH SAWS JOB NUMBER 20-1103 SHALL REMAIN CLOSED UNTIL NEW MAINS HAVE BEEN DISINFECTED AND ACCEPTED BY SAWS

CONTRACTOR SHALL TIE TO EXISTING 8" STUBOUT (SAWS JOB NO. 20-1103) AFTER DISINFECTION AND ACCEPTANCE BY SAWS

2" TEMPORARY BLOWOFF ASSEMBLY SEE SAWS DWG DD-844-01 SHEET 1 OF 4

- FOR CHLORINATION INJECTION
- 2 - 1" CORPORATION STOP, C.C.X.P.
- 1 - 1" COPPER TUBING, CUT AS REQUIRED
- 2 - 1" COMP. 1 1/4 COUPLING, CORP. STOP
- 2 - 1 1/4" THD. SOLID CAPS, THR.

8" VALVE CONSTRUCTED WITH SAWS JOB NUMBER 24-1039 SHALL REMAIN CLOSED UNTIL NEW MAINS HAVE BEEN DISINFECTED AND ACCEPTED BY SAWS

CONTRACTOR SHALL TIE TO EXISTING 8" STUBOUT (SAWS JOB NO. 24-1309) AFTER DISINFECTION AND ACCEPTANCE BY SAWS

2" TEMPORARY BLOWOFF ASSEMBLY SEE SAWS DWG DD-844-01 SHEET 1 OF 4

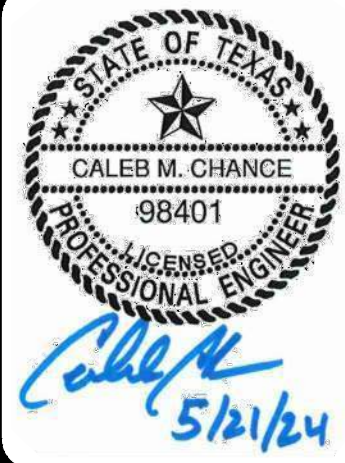
- FOR CHLORINATION INJECTION
- 2 - 1" CORPORATION STOP, C.C.X.P.
- 1 - 1" COPPER TUBING, CUT AS REQUIRED
- 2 - 1" COMP. 1 1/4 COUPLING, CORP. STOP
- 2 - 1 1/4" THD. SOLID CAPS, THR.
- 1 - 12"X8" REDUCER, M.J.

12" VALVE CONSTRUCTED WITH SAWS JOB NUMBER 20-1103 SHALL REMAIN CLOSED UNTIL NEW MAINS HAVE BEEN DISINFECTED AND ACCEPTED BY SAWS

CONTRACTOR SHALL TIE TO EXISTING 12" STUBOUT (SAWS JOB NO. 20-1103) AFTER DISINFECTION AND ACCEPTANCE BY SAWS

2" TEMPORARY BLOWOFF ASSEMBLY SEE SAWS DWG DD-844-01 SHEET 1 OF 4

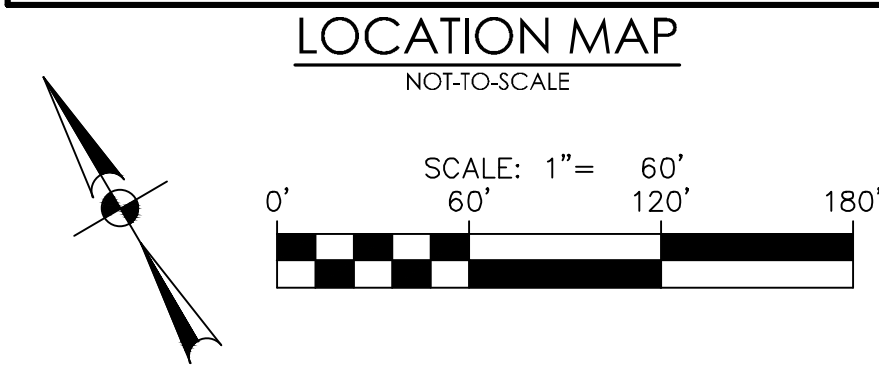
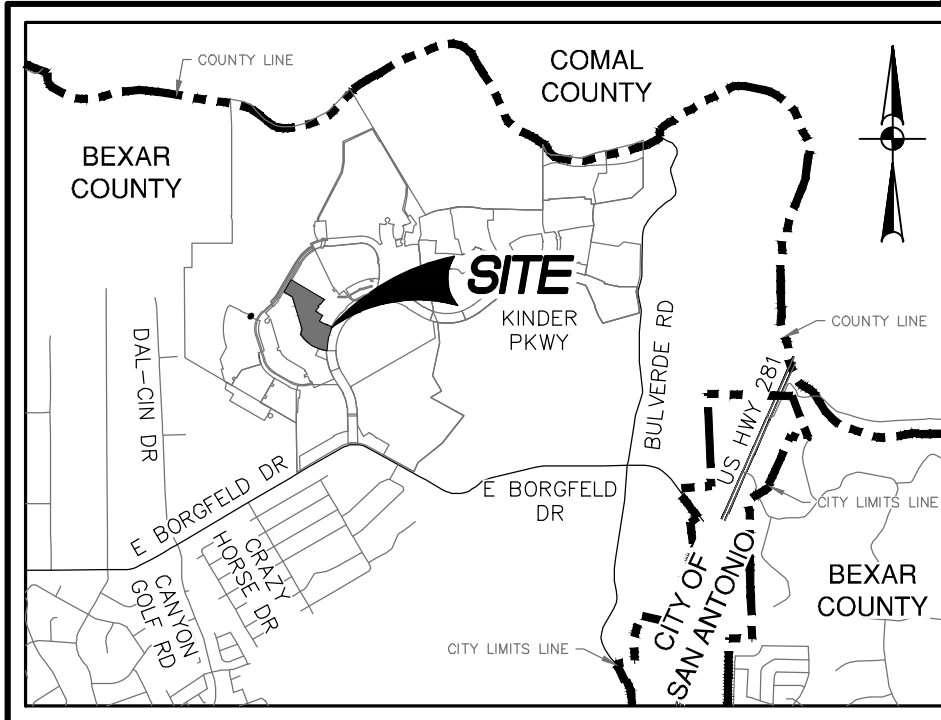
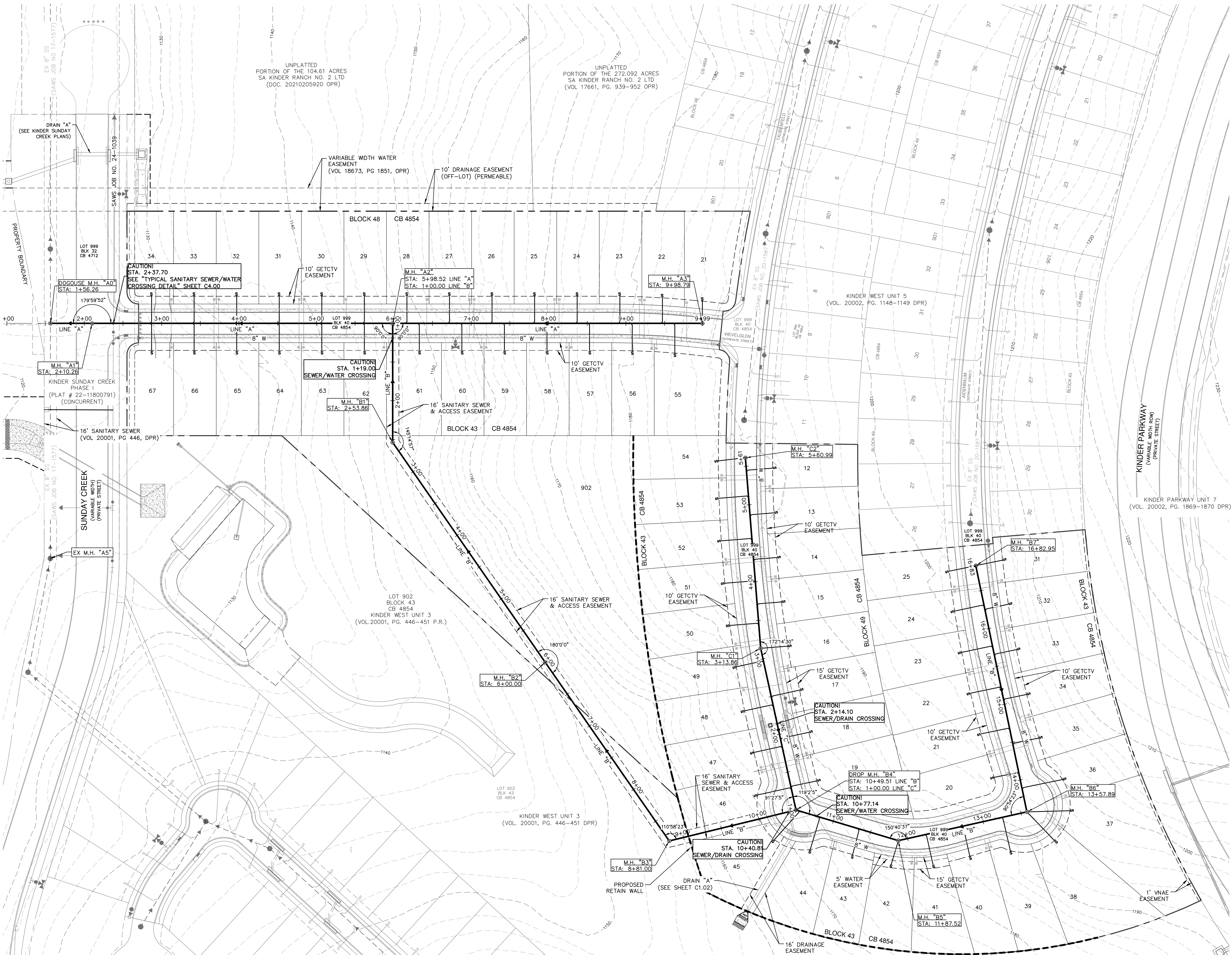
NO.	REVISION	DATE



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2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008860

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
OVERALL WATER DISTRIBUTION PLAN

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	JUV
CHECKED	AS DRAWN RD
SHEET	C4.00



SEWER LEGEND

PROJECT LIMITS
EXISTING WATER
EXISTING SEWER
PROPOSED SEWER

PROPOSED WATER
PROPOSED SEWER LATERAL
FINISHED FLOOR ELEVATION FOR SEWER

WHERE SEWER PIPE CROSSES A WATER LINE, THE SEWER SHALL BE 160 PSI AND MEET THE REQUIREMENTS OF ASTM D2241 WITH ONE 20' JOINT CENTERED AT THE WATER CROSSING

SEPARATION DISTANCE AND PROTECTION REQUIREMENTS TO COMPLY WITH 30 TAC 217.53(d) AND 290.44(e)

TYPICAL SANITARY SEWER/WATER CROSSING DETAIL

NOT-TO-SCALE

PRIVATE STREET DESIGNATION :
LOT 999, BLOCK 40, CB 4854, IS A PRIVATE STREET AND IS DESIGNATED AS AN UNDERGROUND AND AT-GRADE INFRASTRUCTURE AND SERVICE FACILITIES EASEMENT FOR GAS, ELECTRIC, STREET LIGHT, TELEPHONE CABLE TELEVISION, DRAINAGE, PEDESTRIAN, PUBLIC WATER, WASTE WATER, AND RECYCLED WATER MAINS.

CAUTION!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING 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.

FINISHED FLOOR NOTES:

1. THE FINISHED FLOOR ELEVATIONS (FF) REPRESENT THE MINIMUM POSSIBLE FLOOR ELEVATION TO PROVIDE SANITARY SEWER SERVICE TO EACH LOT. ACTUAL FINISHED FLOOR ELEVATIONS FOR EACH LOT ARE TO BE DETERMINED BY THE BUILDER AND SHALL TAKE INTO CONSIDERATION AS-BUILT CONDITIONS FOR FOUND SEWER SERVICES AND ACTUAL LATERAL PLACEMENT. IT IS THE BUILDER'S SOLE RESPONSIBILITY TO DETERMINE ACTUAL FINISHED FLOOR ELEVATIONS FOR EACH LOT PRIOR TO THE START OF HOME FOUNDATION CONSTRUCTION TAKING INTO CONSIDERATION SITE DRAINAGE, STREET ACCESS AND SANITARY SEWER SERVICE ELEVATIONS.
2. THE MINIMUM SANITARY SEWER LATERAL GRADES WERE BASED UPON THE MINIMUM FINISHED FLOOR ELEVATIONS FOR THE LOTS LOCATED ON THE DOWNHILL SIDES OF THE PROPOSED ROADWAYS.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURE/ENGINEERING/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.

SEWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

DEVELOPER'S NAME:	SA KINDER WEST UNIT 7
ADDRESS:	11 LYNN BATTIS LANE, SUITE 100
CITY:	SAN ANTONIO
STATE:	TX
ZIP:	78218
PHONE#	(210) 828-6131
FAX#	
SAWS BLOCK MAP#	166688
TOTAL EDU'S	65
TOTAL ACREAGE	15.69
TOTAL LINEAR FOOTAGE OF PIPE:	8"-2,886 LF
PLAT NO	22-11800764
NUMBER OF LOTS	65
SAWS JOB NO.	23-1633

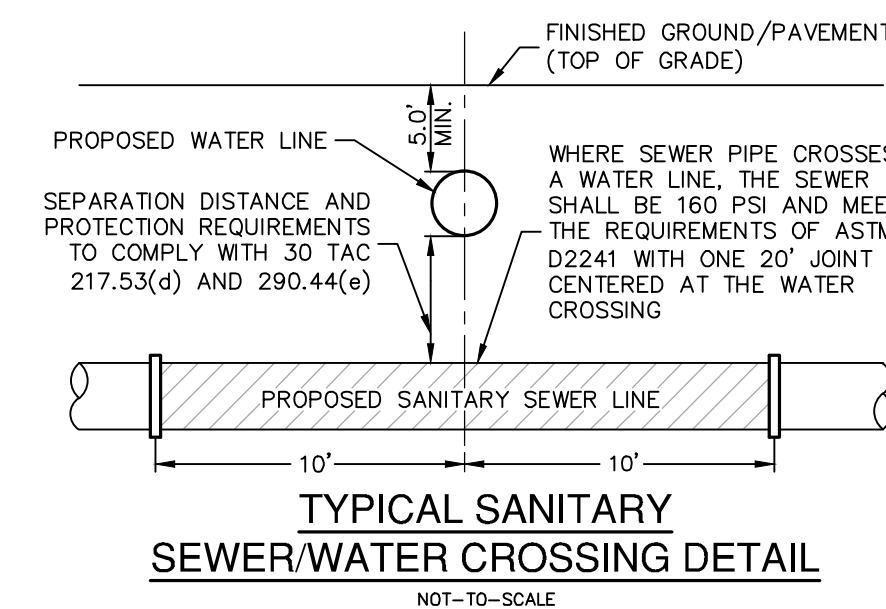
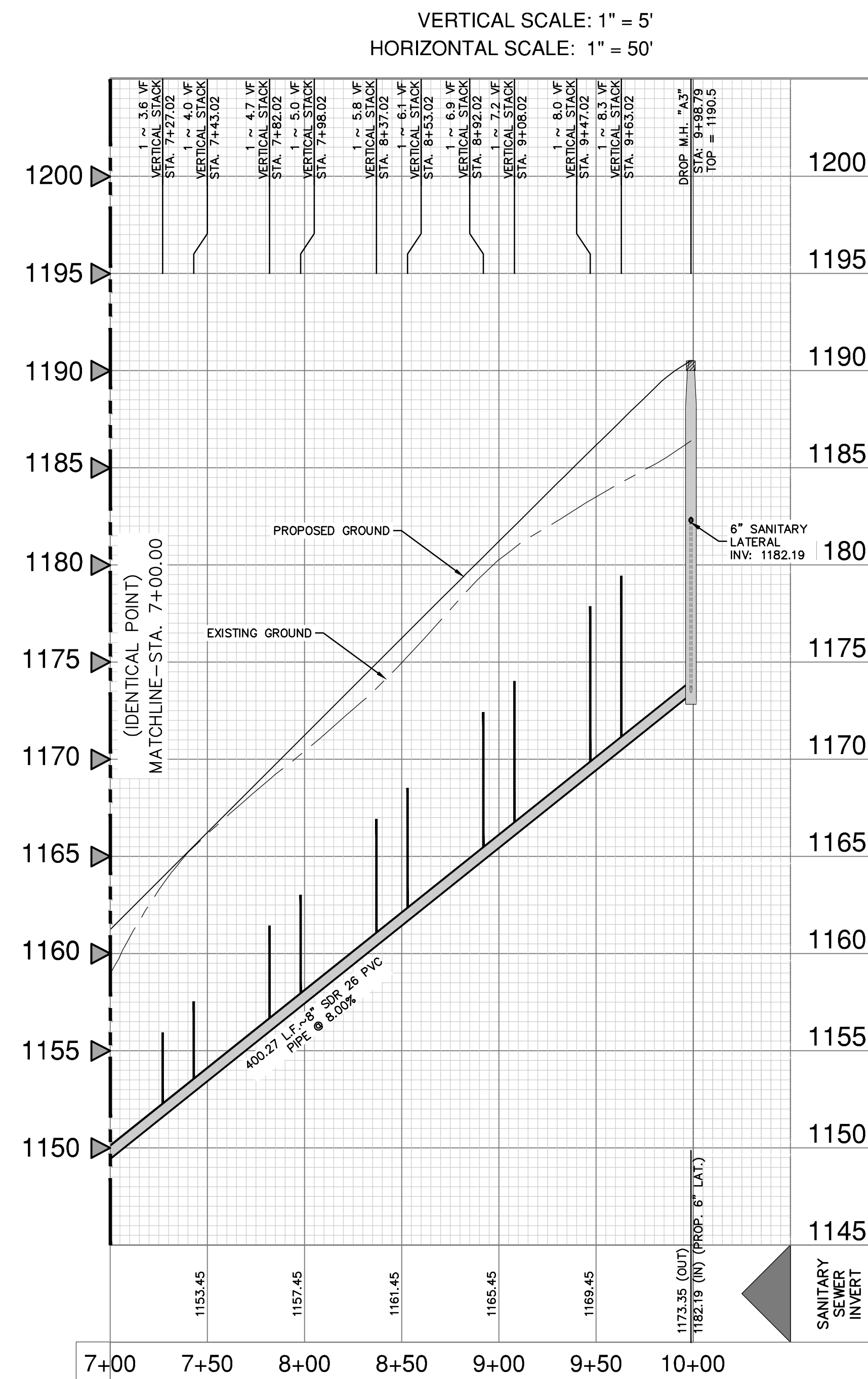
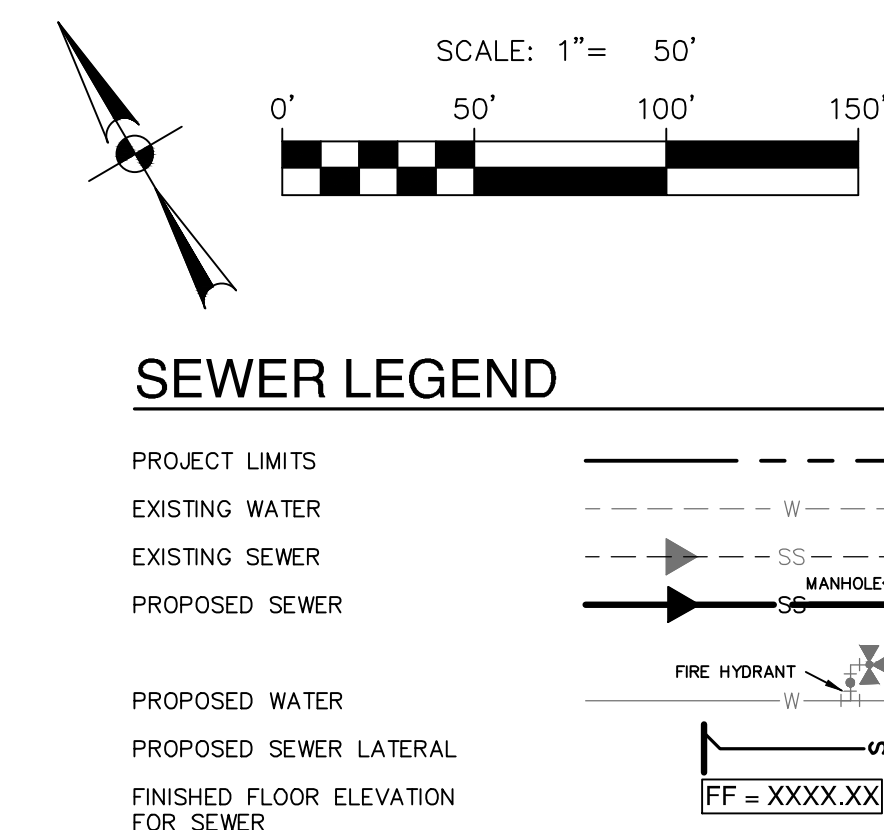
NO.	REVISION	DATE



PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008860

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
OVERALL SANITARY SEWER PLAN

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	JUV
CHECKED	AS
DRAWN/RD/DD	
SHEET	C5.00



PRIVATE STREET DESIGNATION

LOT 999, BLOCK 40, CB 4854, IS A PRIVATE STREET AND IS DESIGNATED AS AN UNDERGROUND AND AT-GRADE INFRASTRUCTURE AND SERVICE FACILITIES EASEMENT FOR GAS, ELECTRIC, STREET LIGHT, TELEPHONE CABLE TELEVISION, DRAINAGE, PEDESTRIAN, PUBLIC WATER, WASTEWATER, AND RECYCLED WATER MAINS.

CAUTION!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE, FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PIPES, 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 ANY UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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.

TRENCH 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 AREA. IT IS THE RESPONSIBILITY OF THE CONSULTANT TO EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS, AND PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS AND/OR CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS, AND PROCEDURES FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM THAT INCLUDES THE FOLLOWING: (1) TRAINING OF ALL PERSONNEL ON ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS;

EWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CRE

DEVELOPER'S NAME: SA KINDER WEST UNIT 7
ADDRESS: 11 LYNN BATTS LANE, SUITE 100
CITY: SAN ANTONIO STATE: TX ZIP: 78218
PHONE# (210) 828-6131 FAX# _____
TOTAL BLDG MAP# 166886 TOTAL EDU# 5 TOTAL ACREAGE 15.65
TOTAL LINEAR FOOTAGE OF PIPE: 8'-2,886 LF PLAT NO 22-1180076
NUMBER OF LOTS 65 SAWS JOB NO. 23-1633

[illegible]

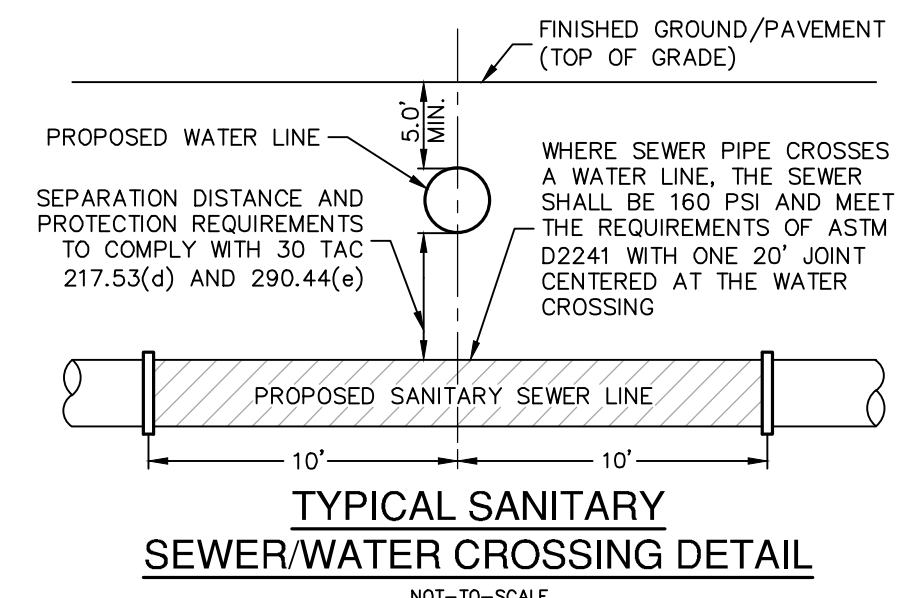
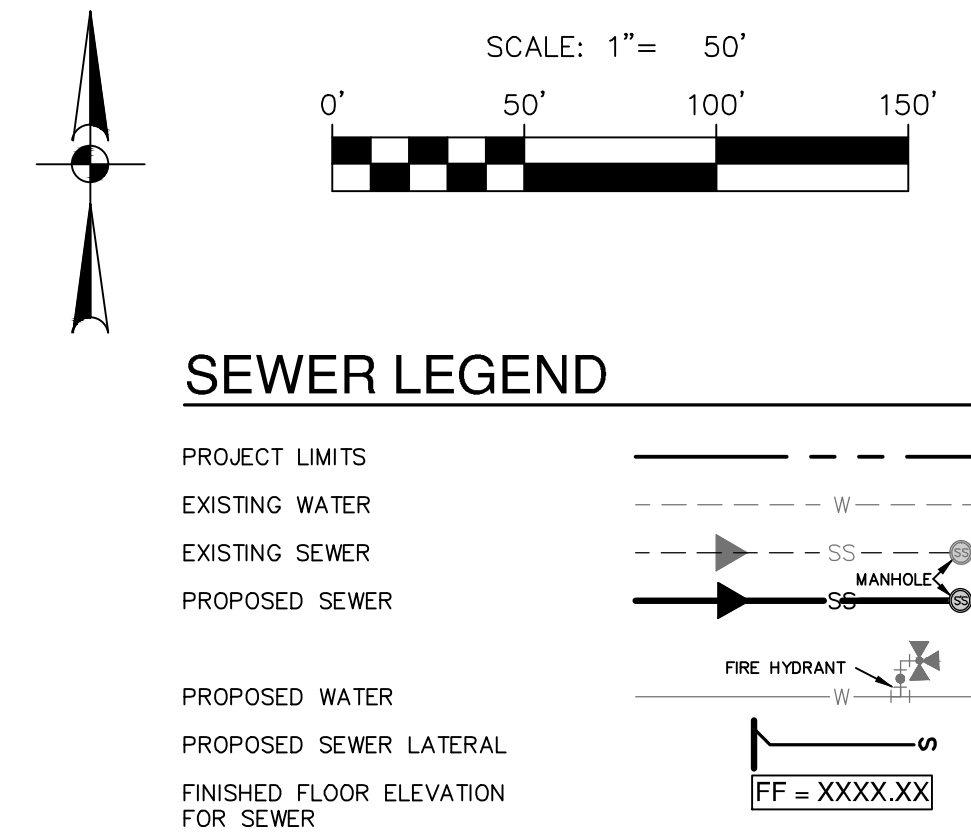
**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

SANITARY SEWER LINE A PLAN & PROFILE
STA 1+00 00 TO END

PLAT NO. 22-11800764
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER UV
CHECKED AS DRAWN RD
SHEET C5.01



PRIVATE STREET DESIGNATION :

LOT 999, BLOCK 40, CB 40564 IS A PRIVATE STREET AND IS DESIGNATED AS AN UNDERGROUND AND AT-GRADE INFRASTRUCTURE AND SERVICE FACILITIES EASEMENT FOR GAS, ELECTRIC, STREET LIGHT, TELEPHONE CABLE, TELEVISION, DRAINAGE, PEDESTRIAN, PUBLIC WATER, WASTEWATER, AND RECYCLED WATER MAINS.

CAUTION!!

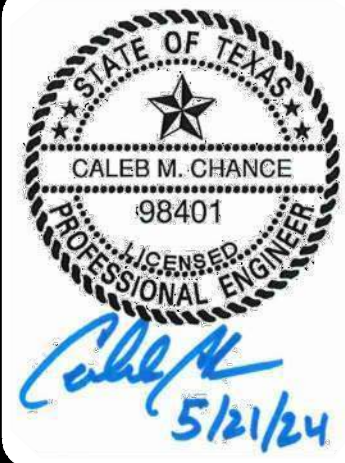
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRIC, CABLE LINKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. IF ANY UTILITY CONFLICTS THAT 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 ANY 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.

TRENCH 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 AREA TO IDENTIFY ANY IMPORTANT INFORMATION REGARDING 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 PROCEDURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. TRENCH 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 BE RESPONSIBLE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

SEWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

DEVELOPER'S NAME: SA KINDER WEST UNIT 7
ADDRESS: 11 LYNN BATTIS LANE, SUITE 100
CITY: SAN ANTONIO STATE: TX ZIP: 78218
PHONE# (210) 828-6131 FAX# _____
SAWS BLOCK MAP# 166868 TOTAL EUDY 65 TOTAL ACREAGE 15.69
TOTAL LINEAR FOOTAGE OF PIPE: 87'-2,886 LF PLAT NO. 22-11800764
NUMBER OF LOTS 65 SAWS JOB NO. 23-1633

[illegible]

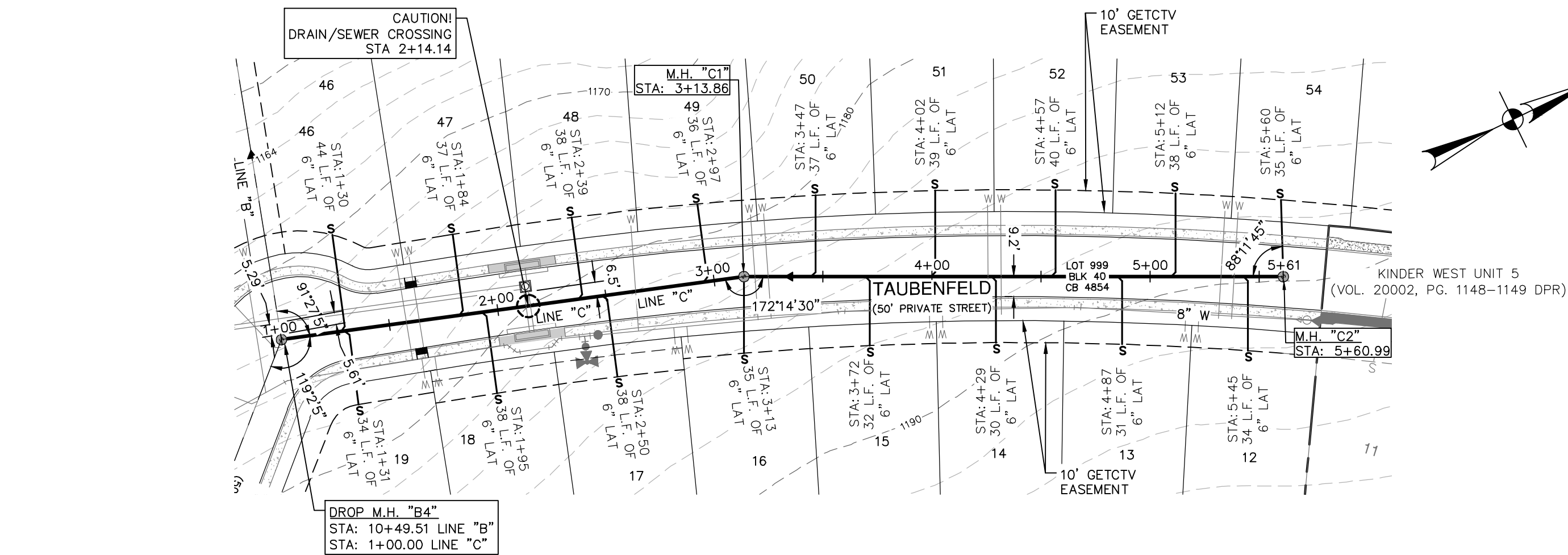
**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10029800

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

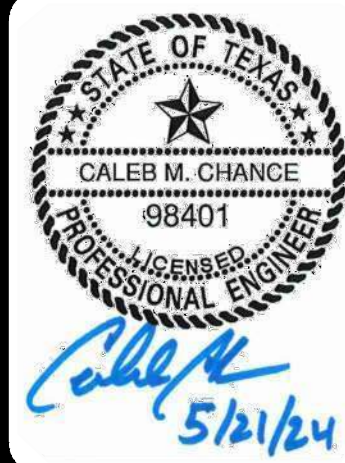
SANITARY SEWER LINE B PLAN & PROFILE
STA. 9+50.00 TO 14+50.00

PLAT NO. 22-11800764
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER UV
CHECKED AS DRAWN RD/D
SHEET C5.03

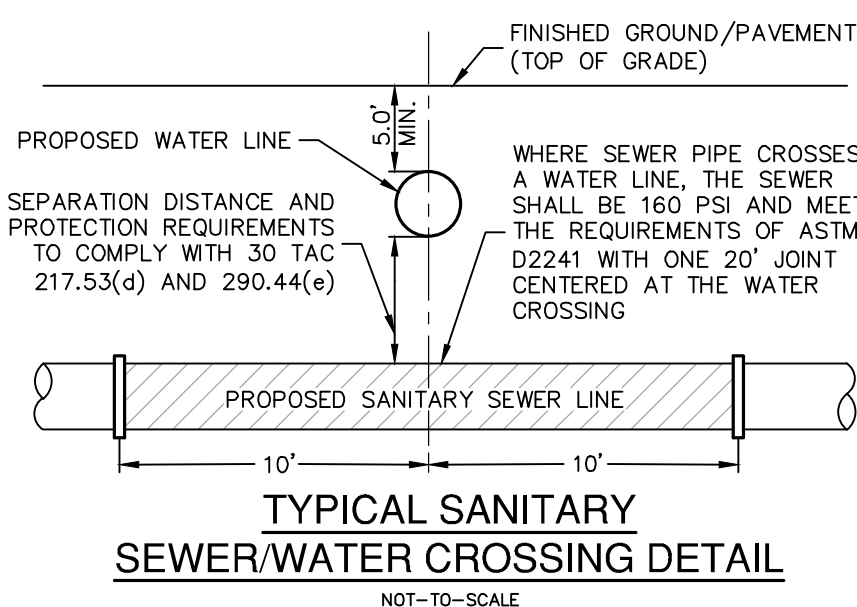
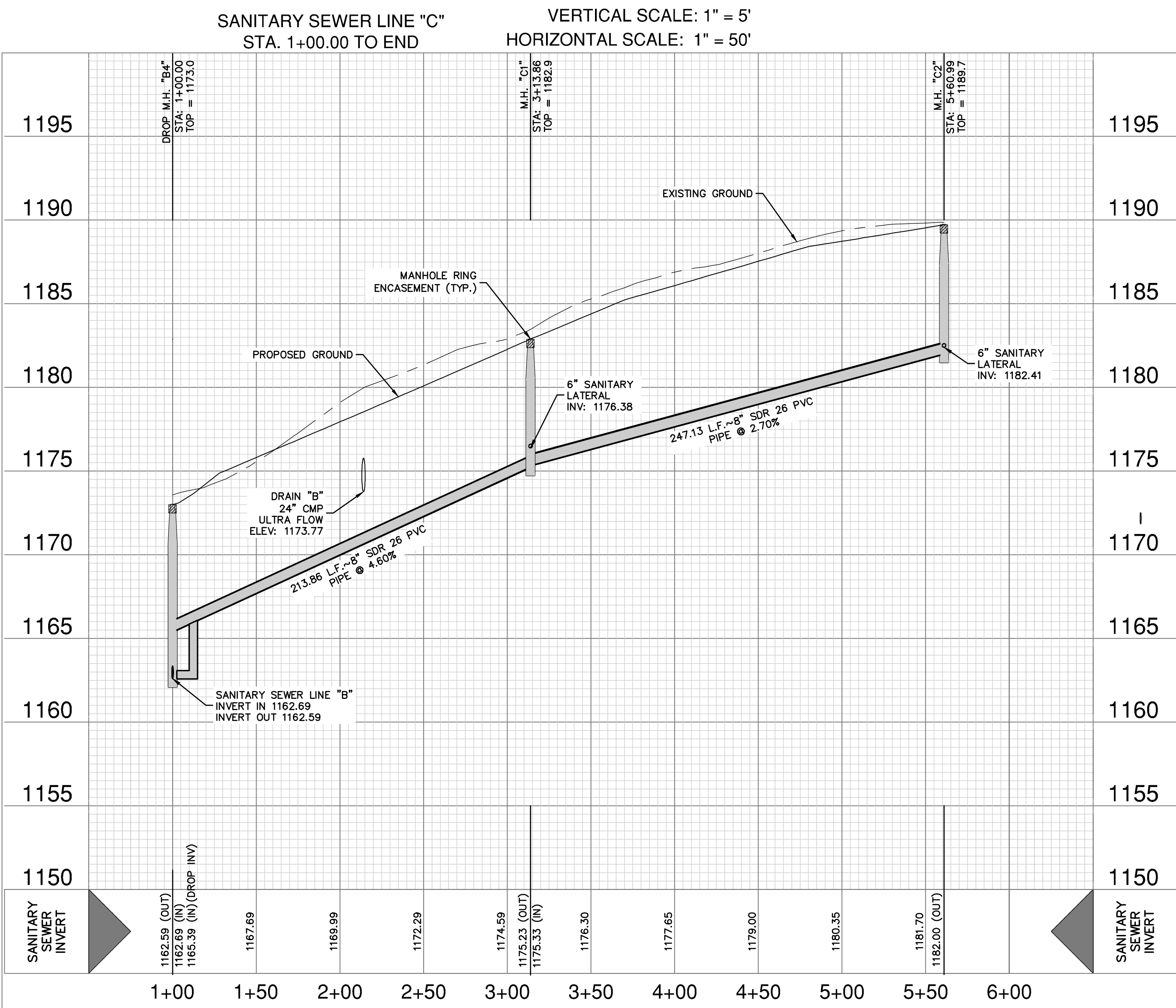


PROJECT LIMITS
EXISTING WATER
EXISTING SEWER
PROPOSED SEWER

PROPOSED WATER
PROPOSED SEWER LATERAL
FINISHED FLOOR ELEVATION
FOR SEWER



**PAPE-DAWSON
ENGINEERS**



PRIVATE STREET DESIGNATION :
 LOT 999, BLOCK 40, CB 4854, IS A PRIVATE STREET AND IS DESIGNATED
 AS AN UNDERGROUND AND AT-GRADE INFRASTRUCTURE AND SERVICE
 FACILITIES EASEMENT FOR GAS, ELECTRIC, STREET LIGHT, TELEPHONE
 CABLE TELEVISION, DRAINAGE, PEDESTRIAN, PUBLIC WATER,
 WASTEWATER, AND RECYCLED WATER MAINS.

CAUTION!!

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

RENCH EXCAVATION SAFETY PROTECTION

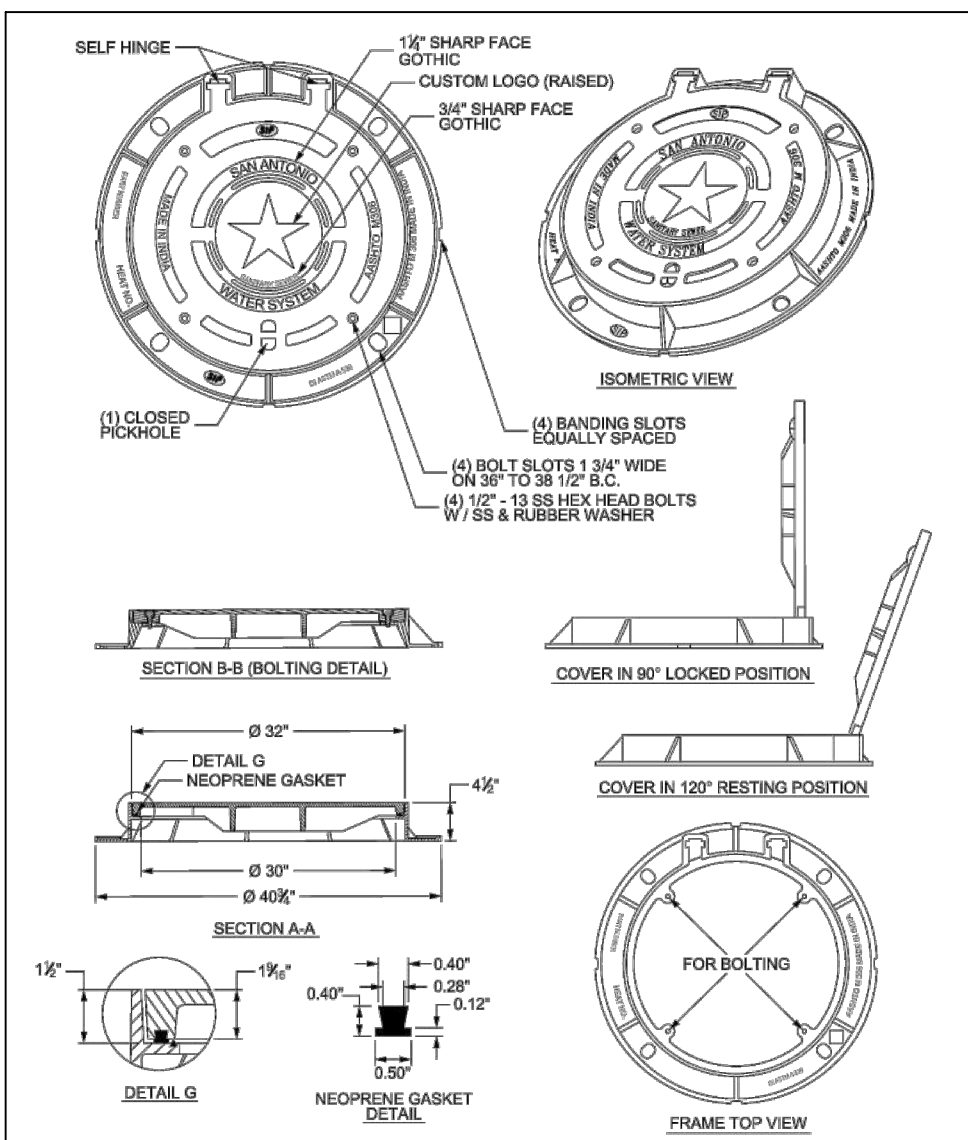
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT SHALL REVIEW AND APPROVE ALL EXCAVATION SAFETY PROTECTION PLANS. ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S SAFETY PROTECTION PROCEDURES. CONTRACTOR SHALL FOLLOW ALL APPLICABLE SAFETY 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 WITHIN THE PROJECT WORK AREA. CONTRACTOR SHALL FOLLOW ALL TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM THAT COMPLETES THE FOLLOWING: A. HAZARDOUS MATERIALS PREVENTION ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS (UPPER-EAST SEWERHEAD - DOS RIOS/LEON CRENSHAW STATION).

VER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

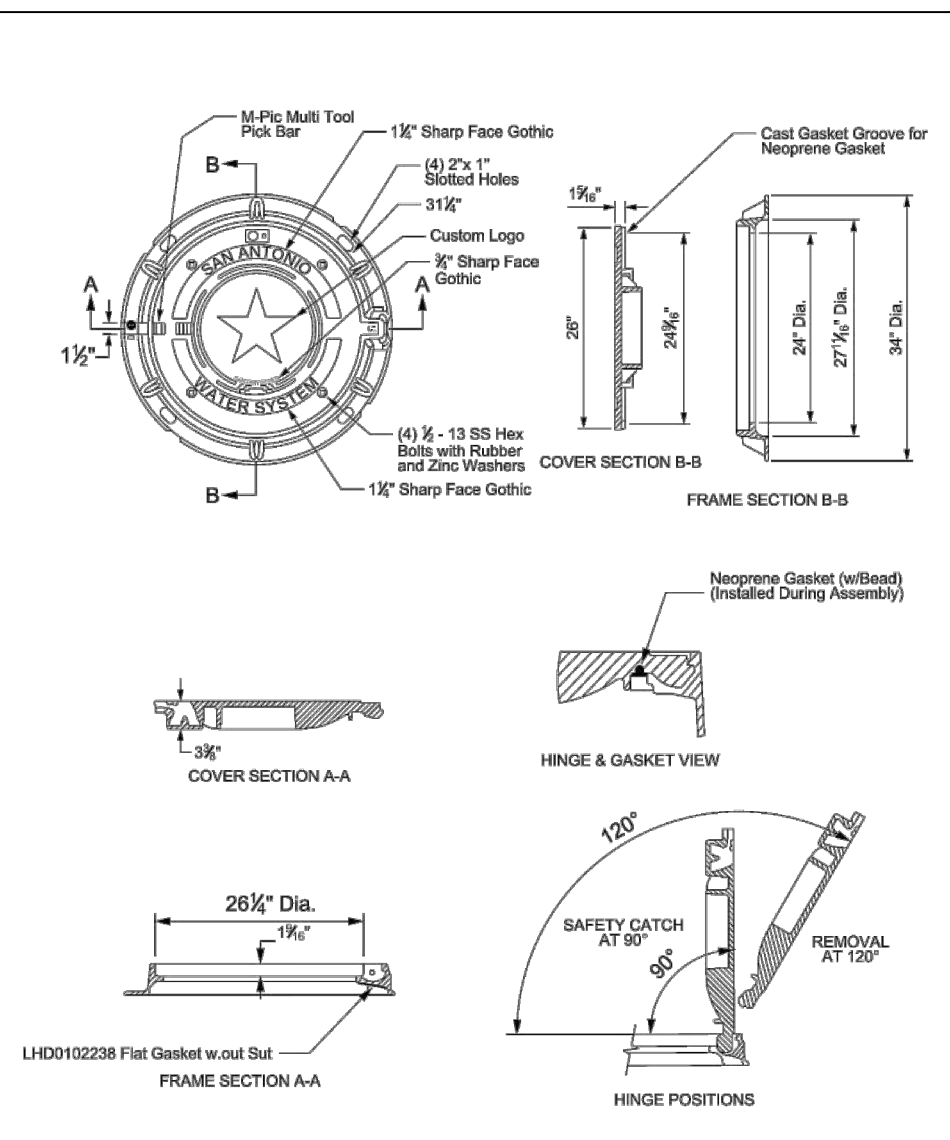
DEVELOPER'S NAME: SA KINDER WEST UNIT 7
ADDRESS: 11 LYNN BATTS LANE, SUITE 100
CITY: SAN ANTONIO STATE: TX ZIP: 78218
PHONE# (210) 828-6131 FAX# _____
SAWS BLOCK MAP# 166686 TOTAL EDU'S 65 TOTAL ACREAGE 15.69
TOTAL LINEAR FOOTAGE OF PIPE: 8'-2,886 LF PLAT NO. 22-1180076
NUMBER OF LOTS 65 SAWS JOB NO. 23-1633

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
SANITARY SEWERLINE B&C PLAN & PROFILE
STA. 14+50.00 TO END
STA. 1+00.00 TO END

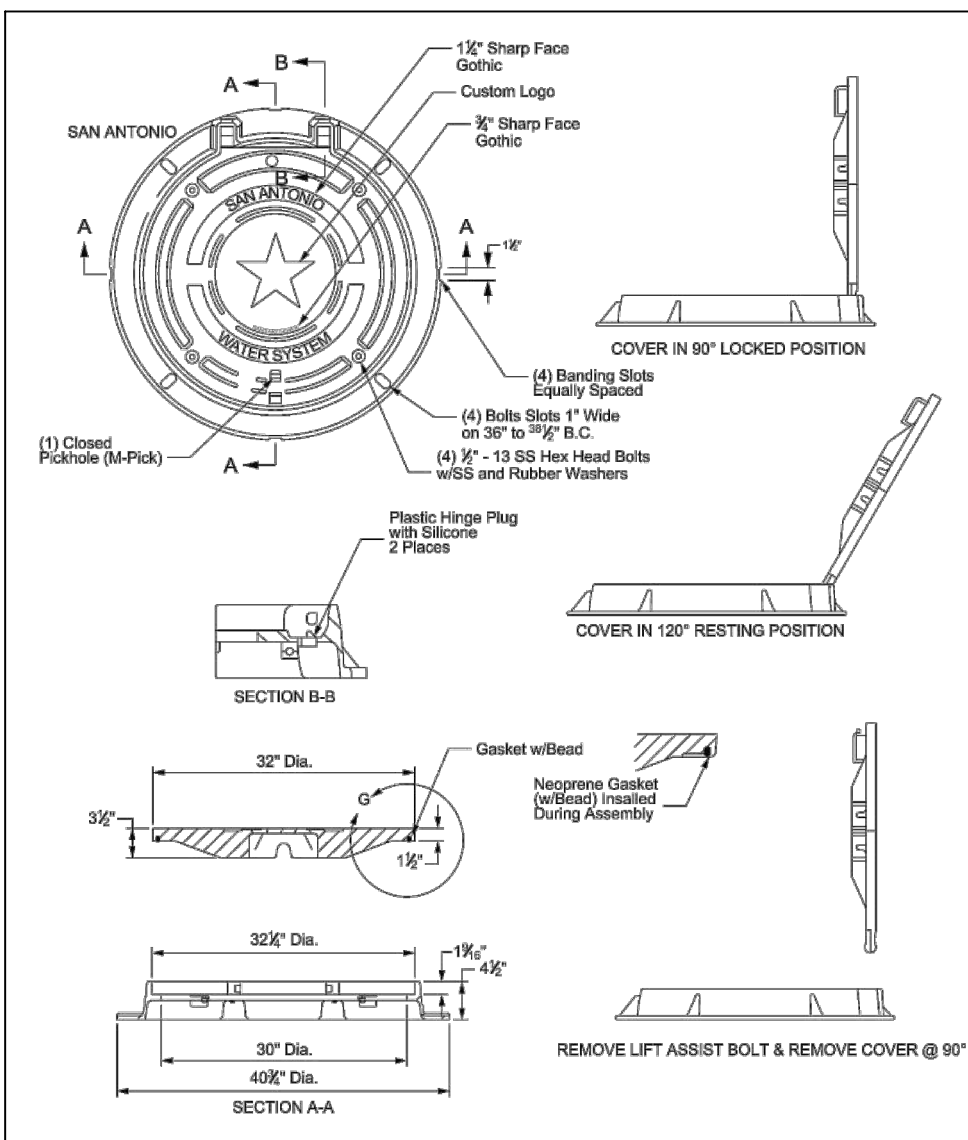
PLAT NO. 22-1180076
JOB NO. 8802-60
DATE OCTOBER 2023
DESIGNER UV
CHECKED AS DRAWNRD/U
SHEET C5.04



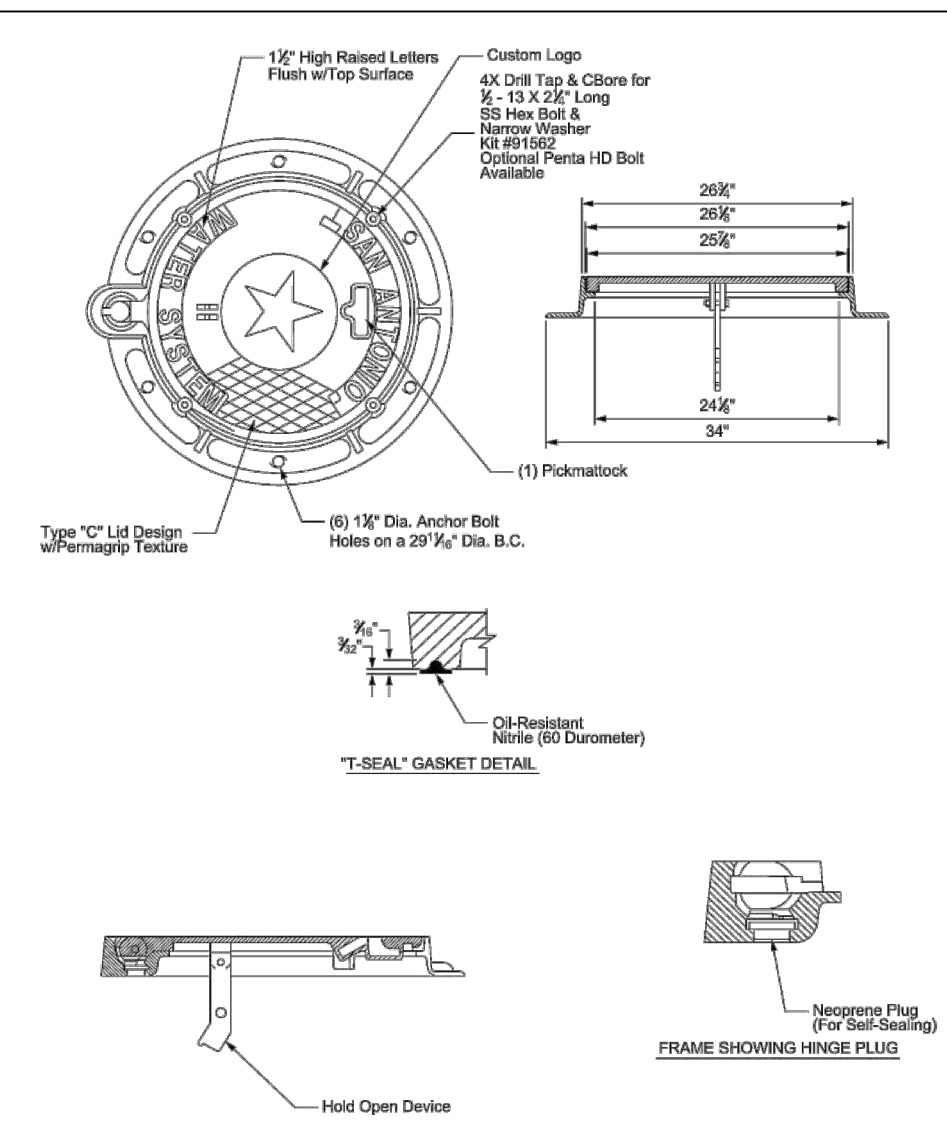
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	30" MANHOLE RING AND COVER DETAIL	APPROVED MARCH 2008 DD 852-07	REVISED AUG 2019 SHEET 1 OF 5
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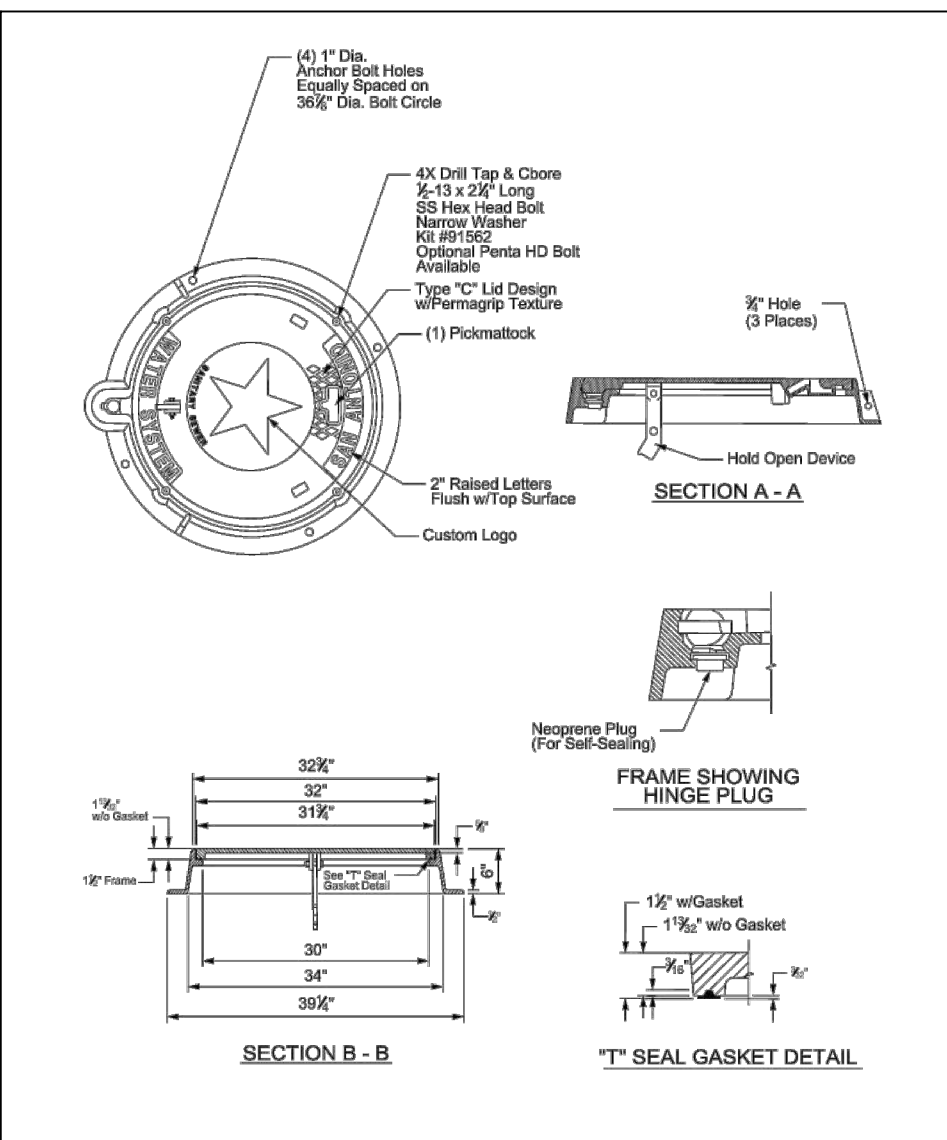
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	MANHOLE RING AND COVER DETAIL	APPROVED MARCH 2008 DD 852-07	REVISED AUG 2019 SHEET 2 OF 5
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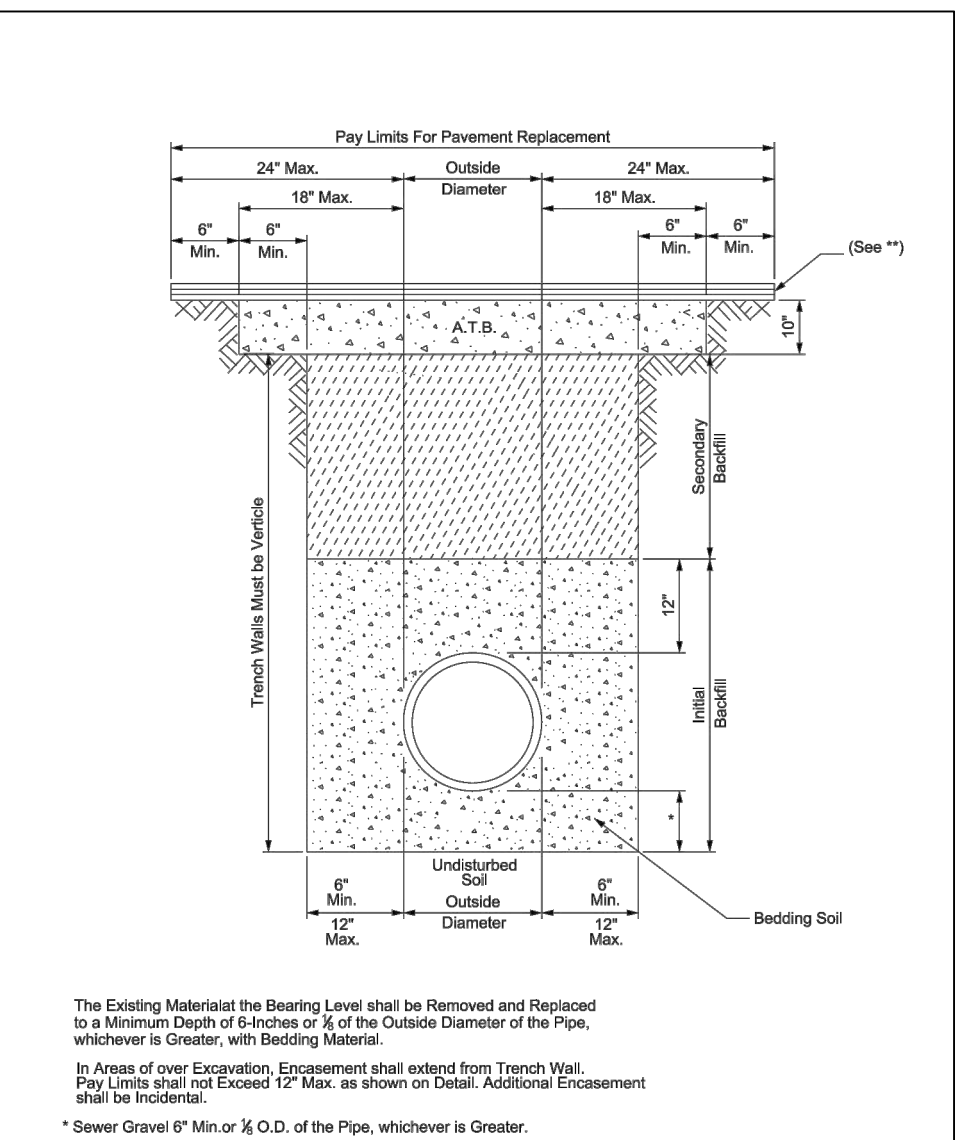
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	MANHOLE RING AND COVER DETAIL	APPROVED MARCH 2008 DD 852-07	REVISED AUG 2019 SHEET 3 OF 5
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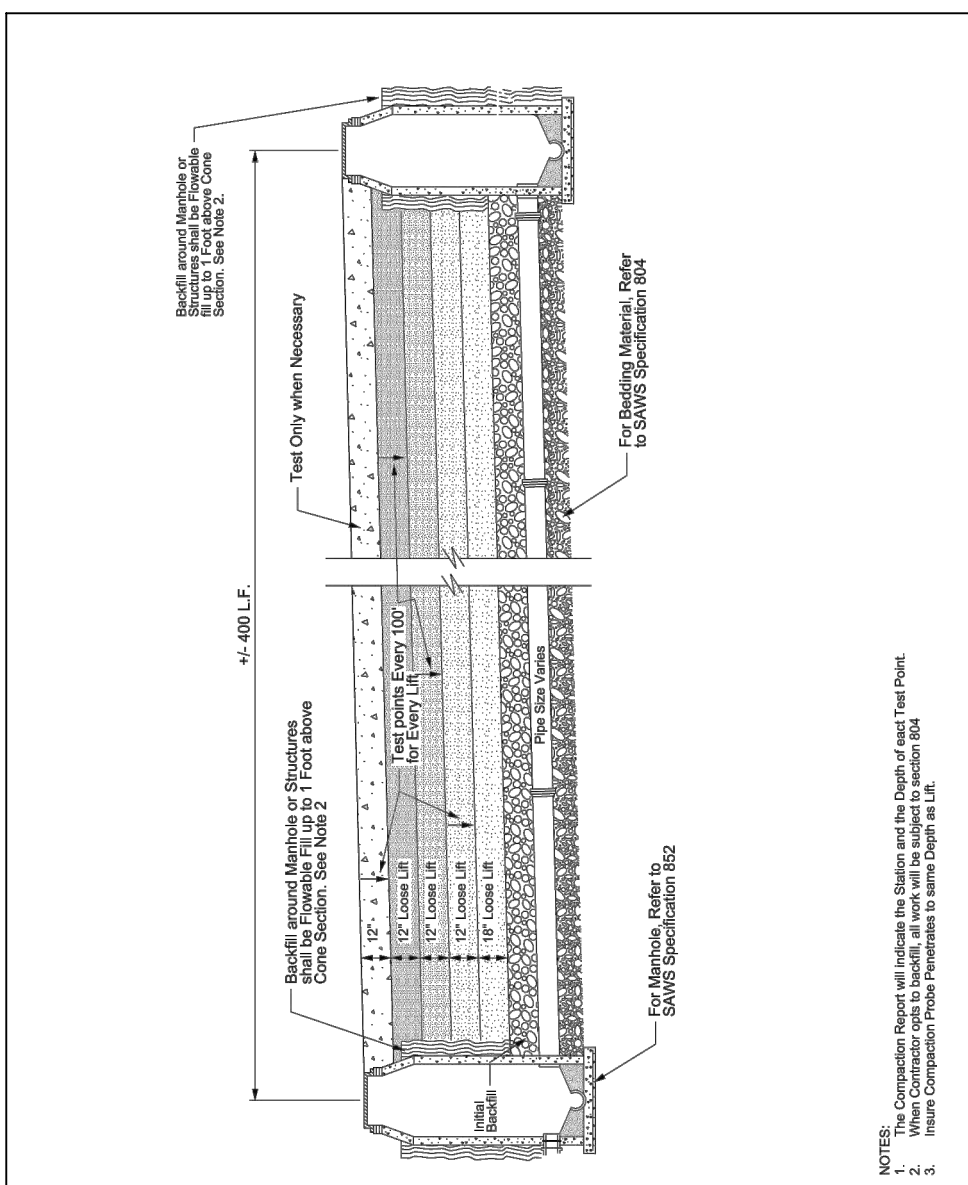
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	MANHOLE RING AND COVER DETAIL	APPROVED MARCH 2008 DD 852-07	REVISED AUG 2019 SHEET 4 OF 5
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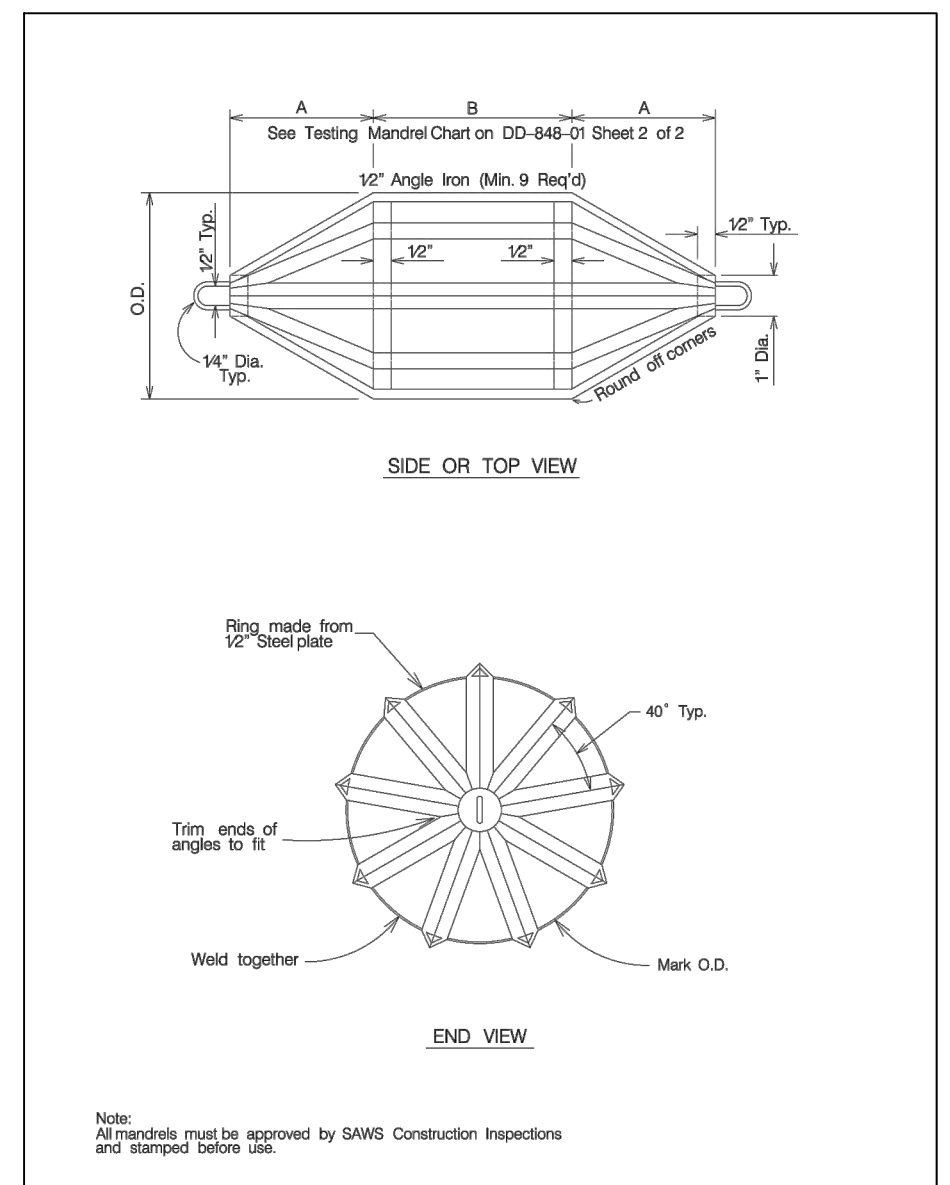
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	MANHOLE RING AND COVER DETAIL	APPROVED MARCH 2008 DD 852-07	REVISED AUG 2019 SHEET 5 OF 5
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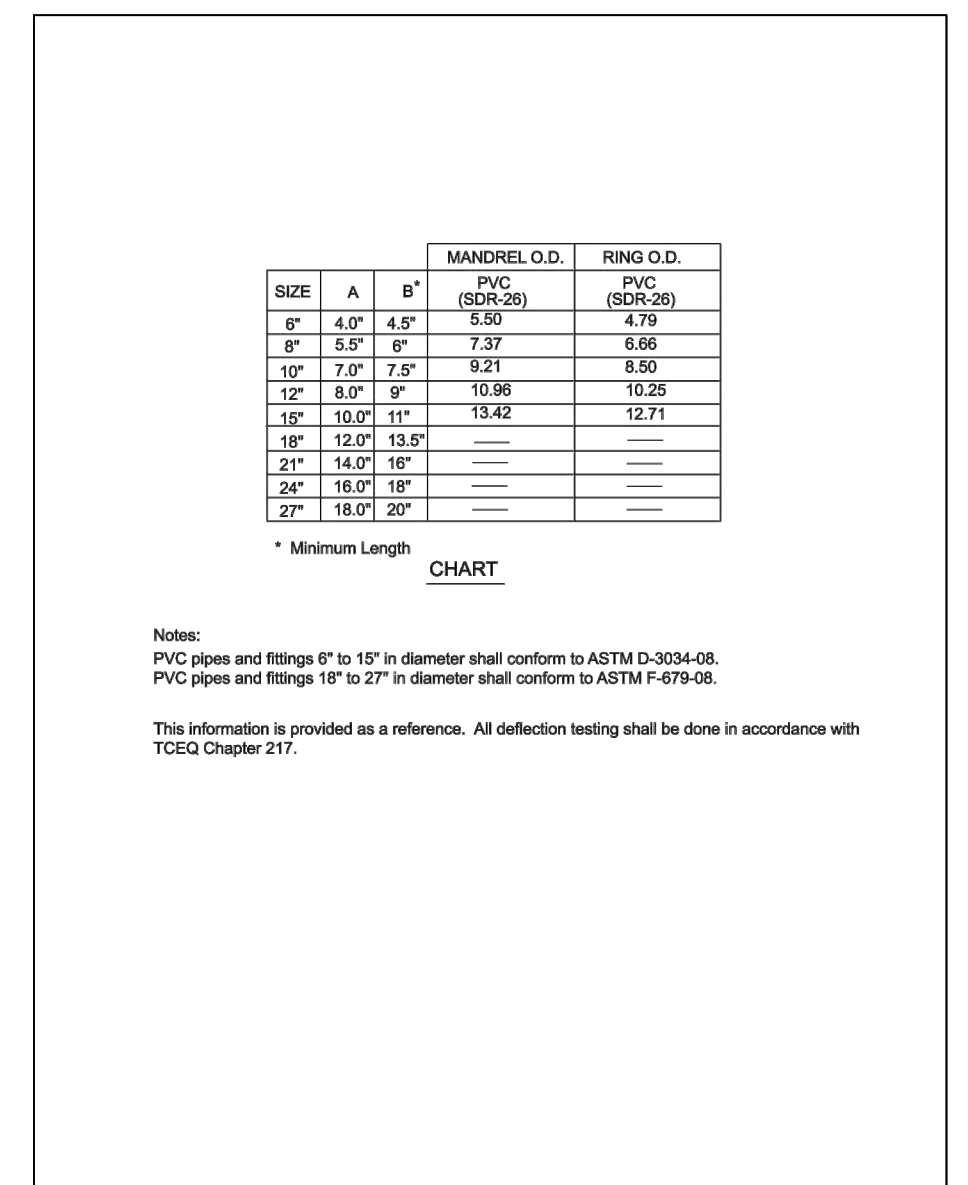
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	SANITARY SEWER PIPE Laid in Trench	APPROVED MARCH 2008 DD-804-01	REVISED DEC 2019 SHEET 1 OF 1
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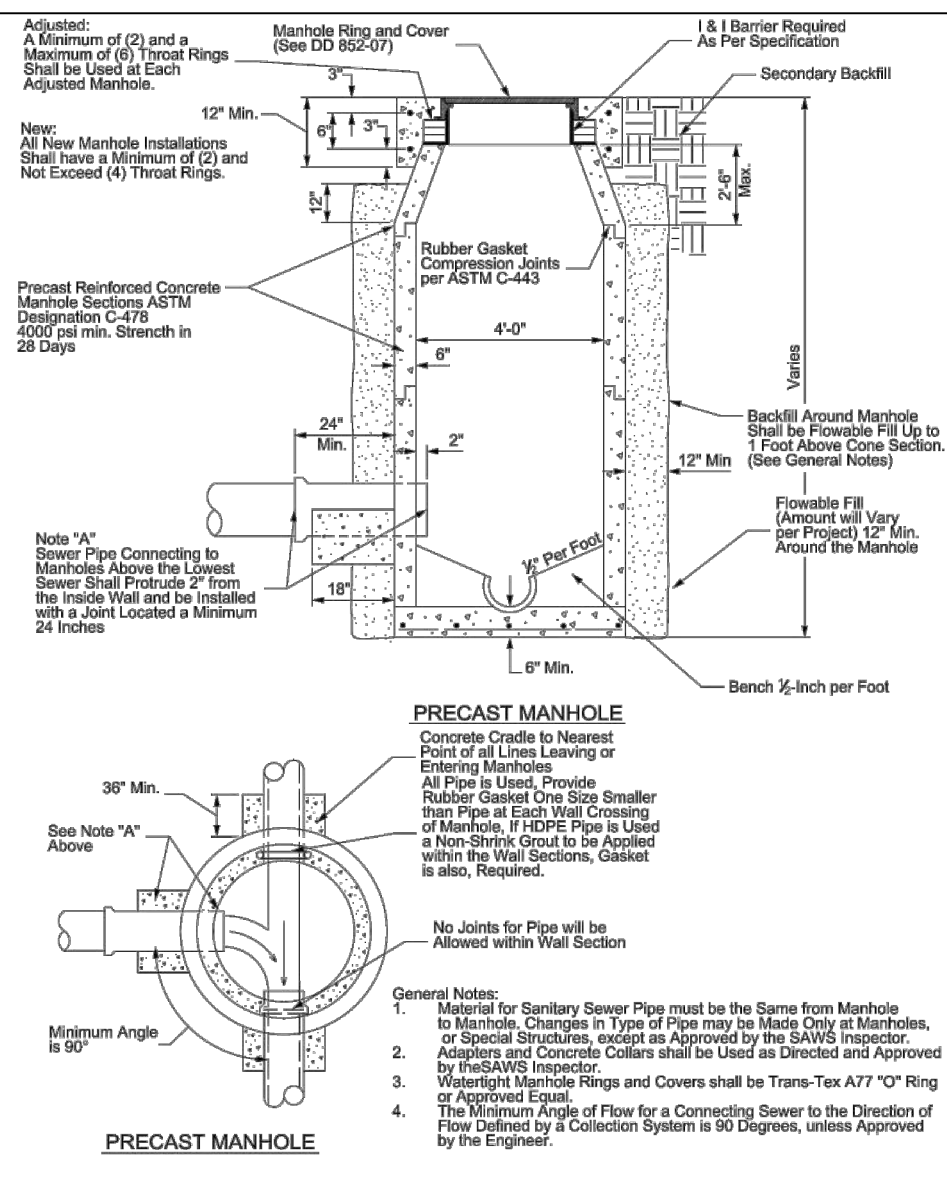
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TRENCH COMPACTION DETAIL	APPROVED MARCH 2008 DD 804-02	REVISED DEC 2019 SHEET 1 OF 1
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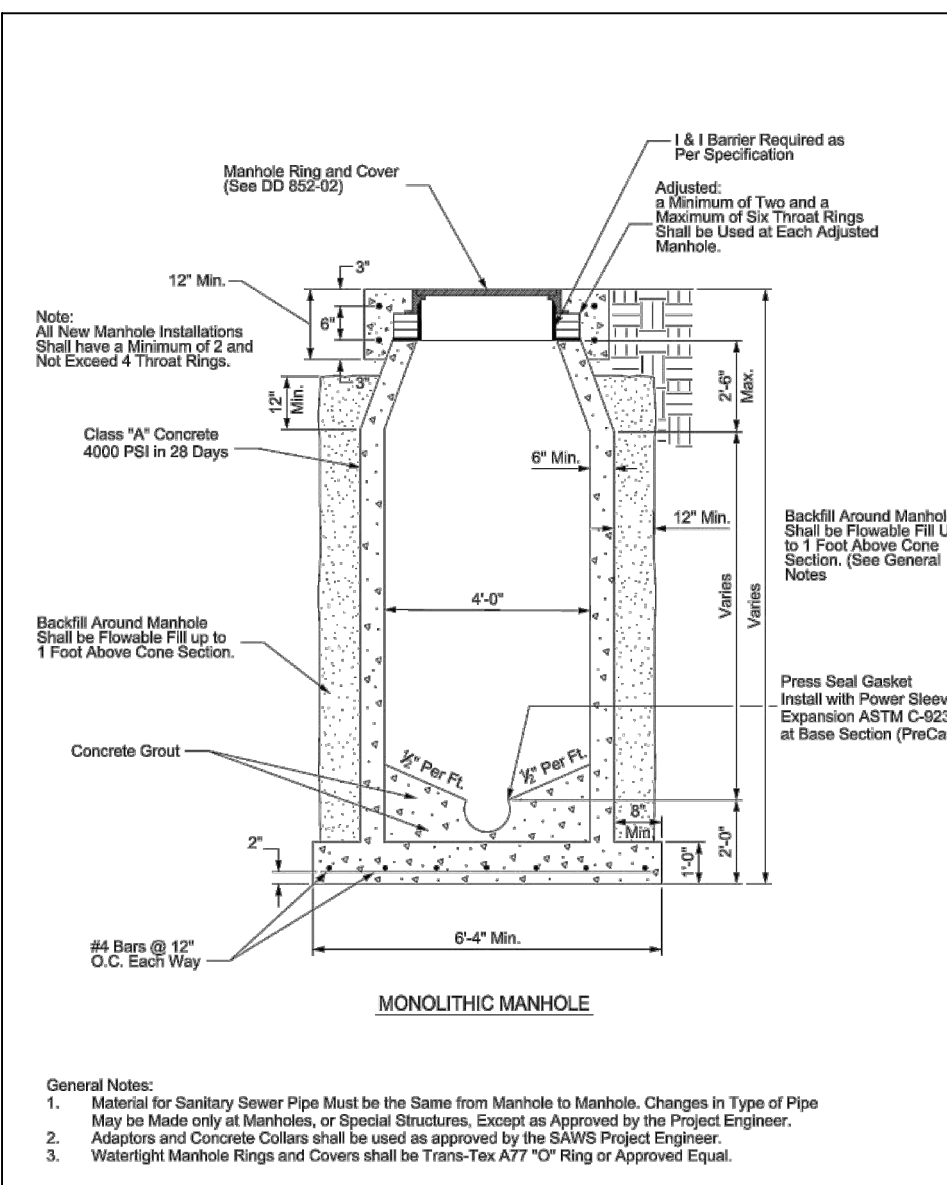
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	GO, NO GO DEFLECTION TESTING MANDREL	APPROVED MARCH 2008 DD-848-01	REVISED APRIL 2014 SHEET 2 OF 2
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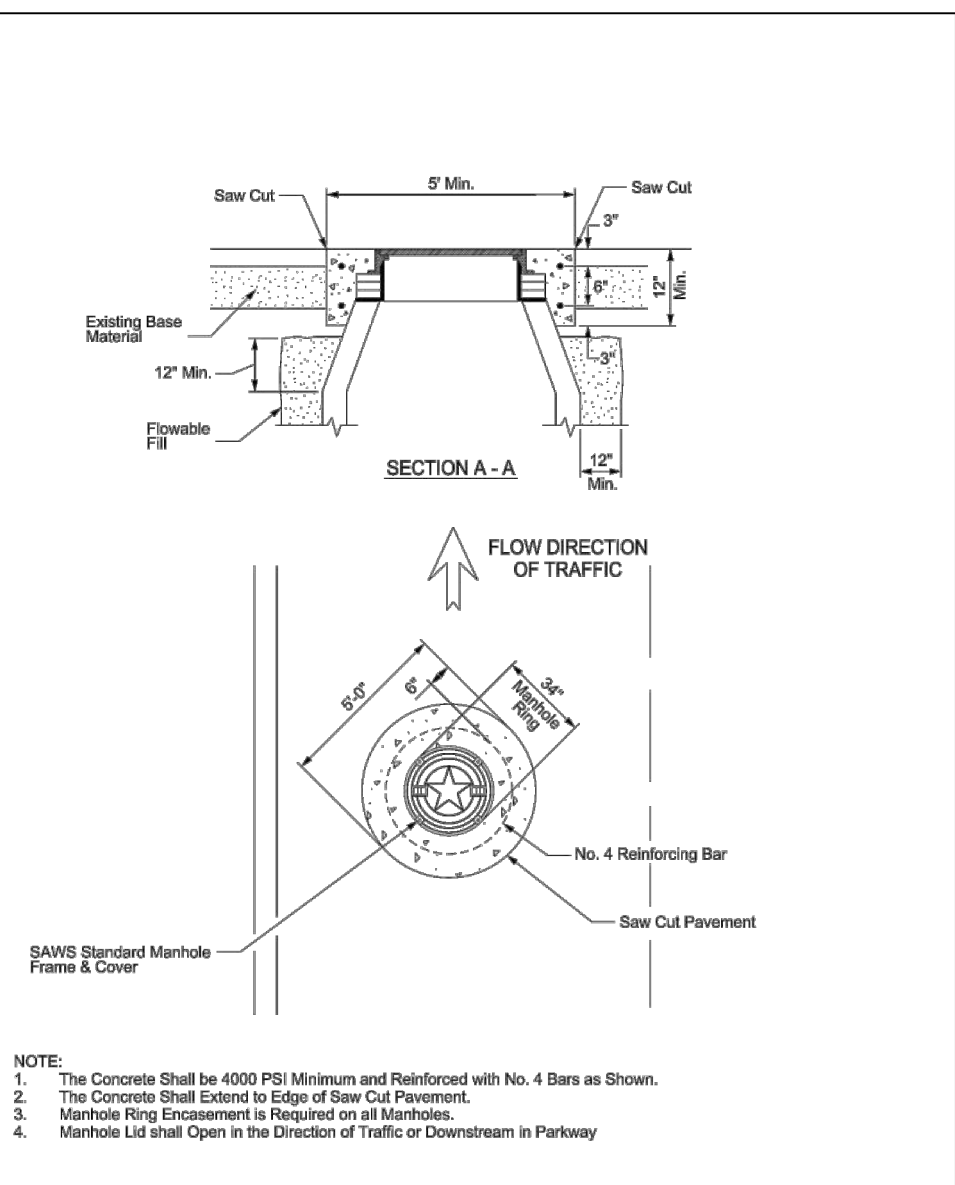
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	GO, NO GO DEFLECTION TESTING MANDREL CHART	APPROVED MARCH 2008 DD-848-01	REVISED APRIL 2014 SHEET 2 OF 2
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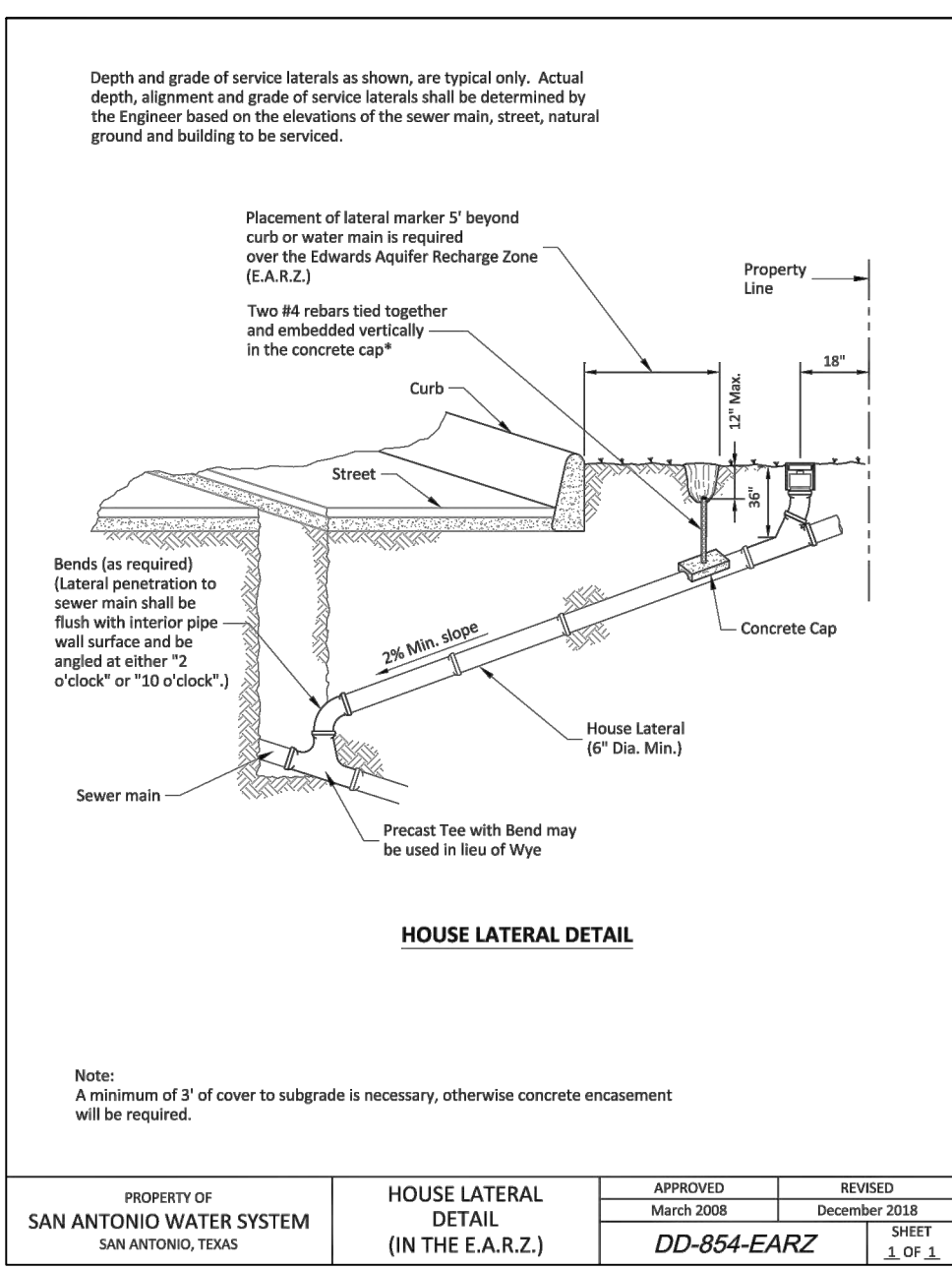
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	STANDARD PRECAST MANHOLE	APPROVED MAY 2013 DD-852-01	REVISED AUG 2019 SHEET 1 OF 2
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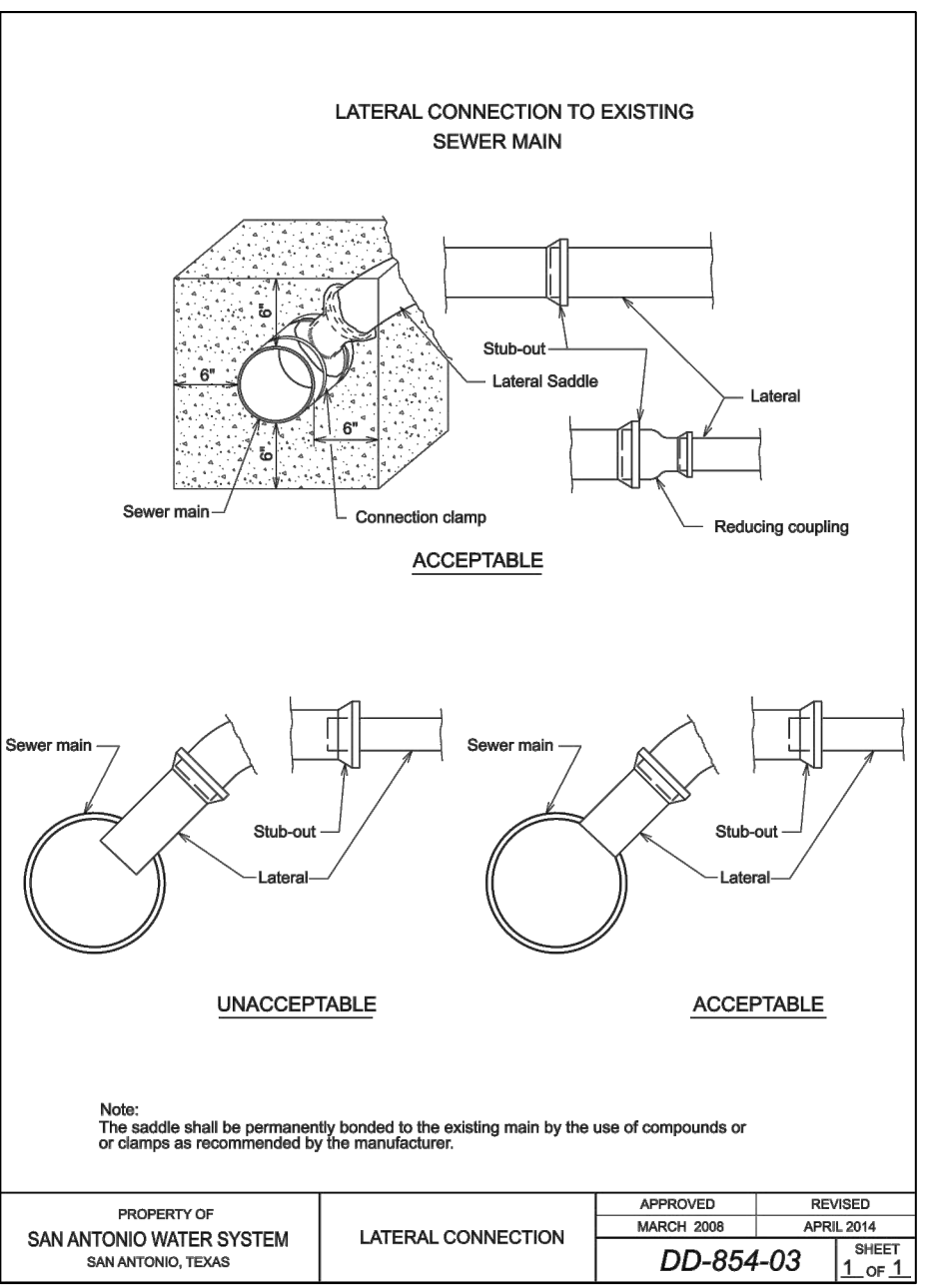
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	STANDARD MONOLITHIC MANHOLE	APPROVED MAY 2013 DD 852-01	REVISED AUG 2019 SHEET 2 OF 2
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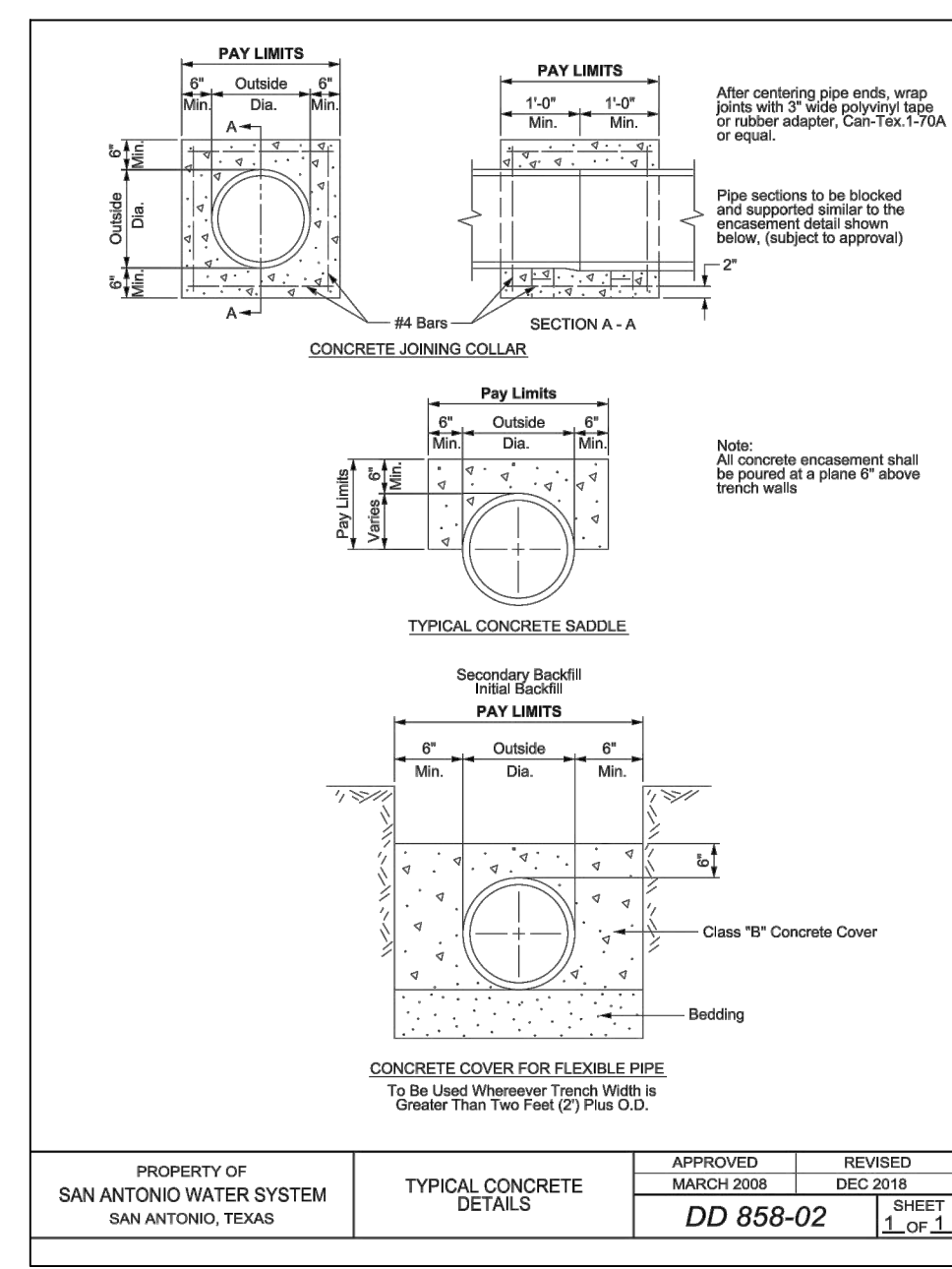
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	MANHOLE RING ENCASMENT DETAIL	APPROVED MARCH 2008 DD 852-03	REVISED AUG 2019 SHEET 1 OF 2
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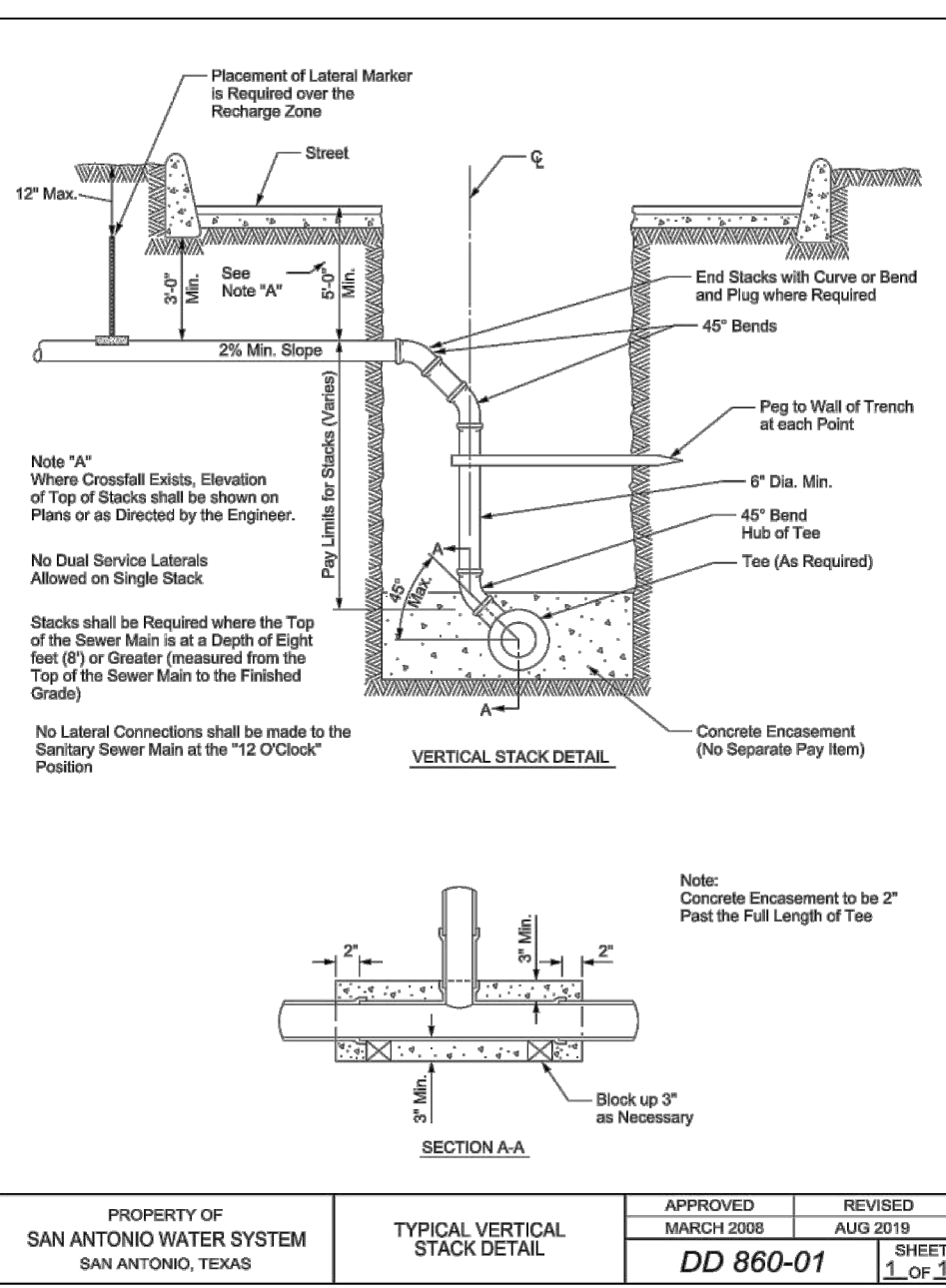
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	HOUSE LATERAL DETAIL (IN THE E.A.R.Z.)	APPROVED MARCH 2008 DD-854-EARZ	REVISED DECEMBER 2018 SHEET 1 OF 1
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PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	LATERAL CONNECTION	APPROVED MARCH 2008 DD-854-03	REVISED APRIL 2014 SHEET 1 OF 1
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PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TYPICAL CONCRETE DETAILS	APPROVED MARCH 2008 DD 858-02	REVISED DEC 2018 SHEET 1 OF 1
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PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TYPICAL VERTICAL STACK DETAIL	APPROVED MARCH 2008 DD 860-01	REVISED AUG 2019 SHEET 1 OF 1
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SEWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

DEVELOPER'S NAME: SA KINDER WEST UNIT 7

ADDRESS: 11 LYNN BATTS LANE, SUITE 100

CITY: SAN ANTONIO STATE: TX ZIP: 78218

PHONE# (210) 828-6131 FAX#

SAWS BLOCK MAP# 166688 TOTAL EDU'S .65 TOTAL ACREAGE 15.69

TOTAL LINEAR FOOTAGE OF PIPE: 8'-2,886 LF PLAT NO 22-11800764

NUMBER OF LOTS .65 SAWS JOB NO. 23-1633

DATE

NO.

REVISION

STATE OF TEXAS

CALEB M. CHANCE

98401

PROFESSIONAL ENGINEER

5/12/24

PAPE-DAWSON

ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS

2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000

TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10088600

KINDER WEST UNIT 7 (ENCLAVE)

SAN ANTONIO, TEXAS

SANITARY SEWER DETAILS

PLAT NO.

22-11800764

JOB NO.

8802-60

DATE

OCTOBER 2023

DESIGNER

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C5.10

SAWS CONSTRUCTION NOTES
(LAST REVISED JANUARY 2022)

SAWS GENERAL SECTION

1. 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:

- 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).

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.

4. THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION (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 PIPERS 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

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.

SAWS SEWER NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. 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 TELEVISIONING THE 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.

2. 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".

3. 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.

4. SEWER PIPE WHERE WATER LINE CROSSES SHALL BE 160 PSI AND MEET THE REQUIREMENTS OF ASTM D2241 TAC 217.53 AND TCEQ 290.44C(4)(b). CONTRACTOR SHALL CENTER A 20' JOINT OF 160 PSI PRESSURE RATED PVC AT THE PROPOSED WATER CROSSING.

5. 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)

6. 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 REGARDLESS OF SIZE.

7. 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.

8. ALL PVC PIPE OVER 14 FEET OF COVER SHALL BE EXTRA STRENGTH WITH MINIMUM PIPE STIFFNESS OF 115 PSI.

PROJECT SEWER NOTES

1. ALL RESIDENTIAL SEWER SERVICE LATERALS ARE 6" DIA. AND SHALL BE EXTENDED TO 10' PAST THE PROPERTY LINE AND CAPPED AND SEALED. CONTRACTOR SHALL INSTALL A 2' X 4' STRAKE, FOUR (4) FEET LONG, TWO (2) FEET DEEP INTO THE GROUND AT THE END OF EACH SERVICE. NO SEPARATE PAY ITEM.

2. CONTRACTOR TO INSTALL CLEANOUTS AT THE END OF ALL SEWER LATERALS, PER LATERAL DETAIL SHEET C5.10

3. NO VERTICAL STACKS ALLOWED FOR ANY LOTS UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

4. ALL 6" SEWER LATERALS WILL BE SET AT 2% GRADE FROM THE MAIN TO THE PROPERTY LINE.

5. WHEN HORIZONTAL DISTANCE BETWEEN SEWER PIPES AND WATER MAIN IS LESS THAN 9 FOOT OF SEPARATION, SEWER MAIN SHALL BE INSTALLED WITH 150 PSI (MIN) PRESSURE PIPE AND FITTINGS IN ACCORDANCE WITH SAWS CONSTRUCTION CRITERIA FOR CONSTRUCTION OF SEWER MAINS IN THE VICINITY OF WATER MAINS.

6. CONTRACTOR SHALL ENSURE THAT MANHOLES OUTSIDE OF PAVED AREAS ARE SET WITH TOP ELEVATIONS 6" ABOVE FINISHED GRADE WITH CONCRETE RING ENCASEMENT.

7. ALL SEWER PIPES SHALL BE 8" PVC (SDR 26), UNLESS OTHERWISE NOTED.

8. CONTRACTOR IS TO VERIFY EXISTING INVERT OF EXISTING SANITARY SEWER MAINS AND ALERT ENGINEER IMMEDIATELY OF ANY DIFFERENCE FROM INVERT SHOWN ON PLANS.

9. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. ANY FENCE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.

10. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.

11. CONCRETE RING ENCASEMENT TO BE INSTALLED ON ALL MANHOLES AND, WITHIN LIMITS OF PAVEMENT, BE INSTALLED TO THE TOP OF THE BASE LAYER WITH A MINIMUM OF 2" OF ASPHALT ON TOP OF THE RING ENCASEMENT.

12. MANHOLE OPENING INCREASED TO 30" AS PER TAC CHAPTER 217.55.

13. ALL SEWER PIPE LATERALS SHALL BE SDR 26 (CLASS 160) PVC PIPE.

14. IF THE GIVEN TOP OF MANHOLE ELEVATION DOES NOT AGREE ON ACTUAL GROUND SURFACE OR FINISH PAVEMENT, THE CONTRACTOR SHALL ADJUST ELEVATIONS SUCH THAT THE TOP OF MANHOLE SHALL BE 0.5' ABOVE EXISTING GROUND, OR FLUSH TO FINISH ASPHALT PAVEMENT.

15. ALL MANHOLES CONSTRUCTED OVER THE EDWARDS AQUIFER RECHARGE ZONE SHOULD BE WATERTIGHT.

SEWER (UPPER-EAST SEWERSHED - DOS RIOS/LEON CREEK)

DEVELOPER'S NAME: SA KINDER WEST UNIT 7			
ADDRESS: 11 LYNN BATTS LANE, SUITE 100			
CITY: SAN ANTONIO	STATE: TX	ZIP: 78218	
PHONE# (210) 828-6131	FAX#		
SAWS BLOCK MAP# 166686 TOTAL EDU'S 65 TOTAL ACREAGE 15.69			
TOTAL LINEAR FOOTAGE OF PIPE: 8'-2,886 LF PLAT NO 22-11800764			
NUMBER OF LOTS 65		SAWS JOB NO. 23-1633	

DATE									
NO.	REVISION								



PAPE-DAWSON

ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008860

KINDER WEST UNIT 7 (ENCLAVE)

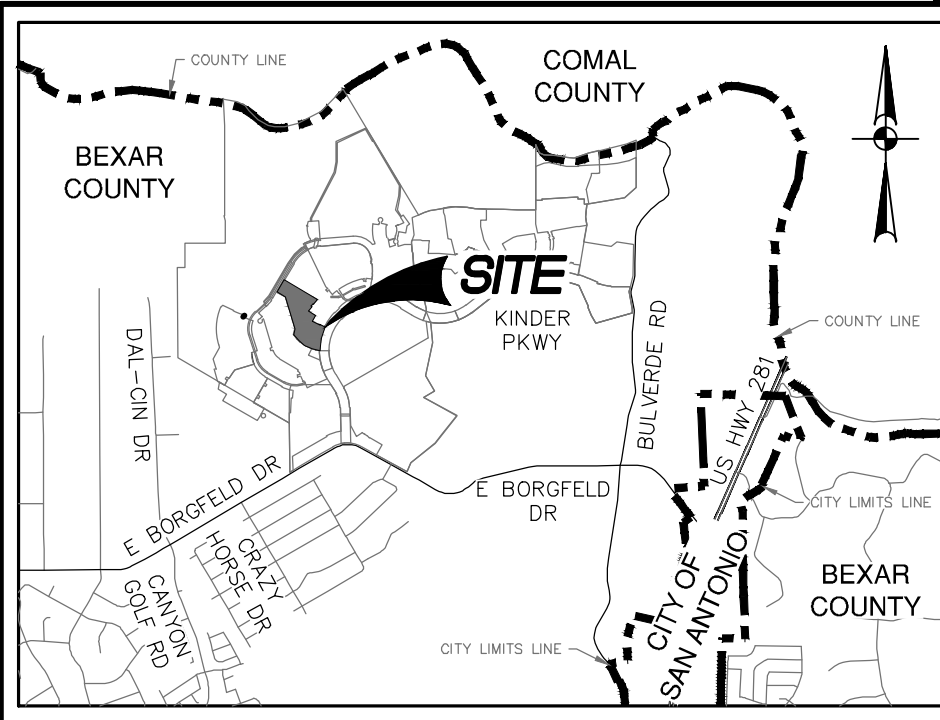
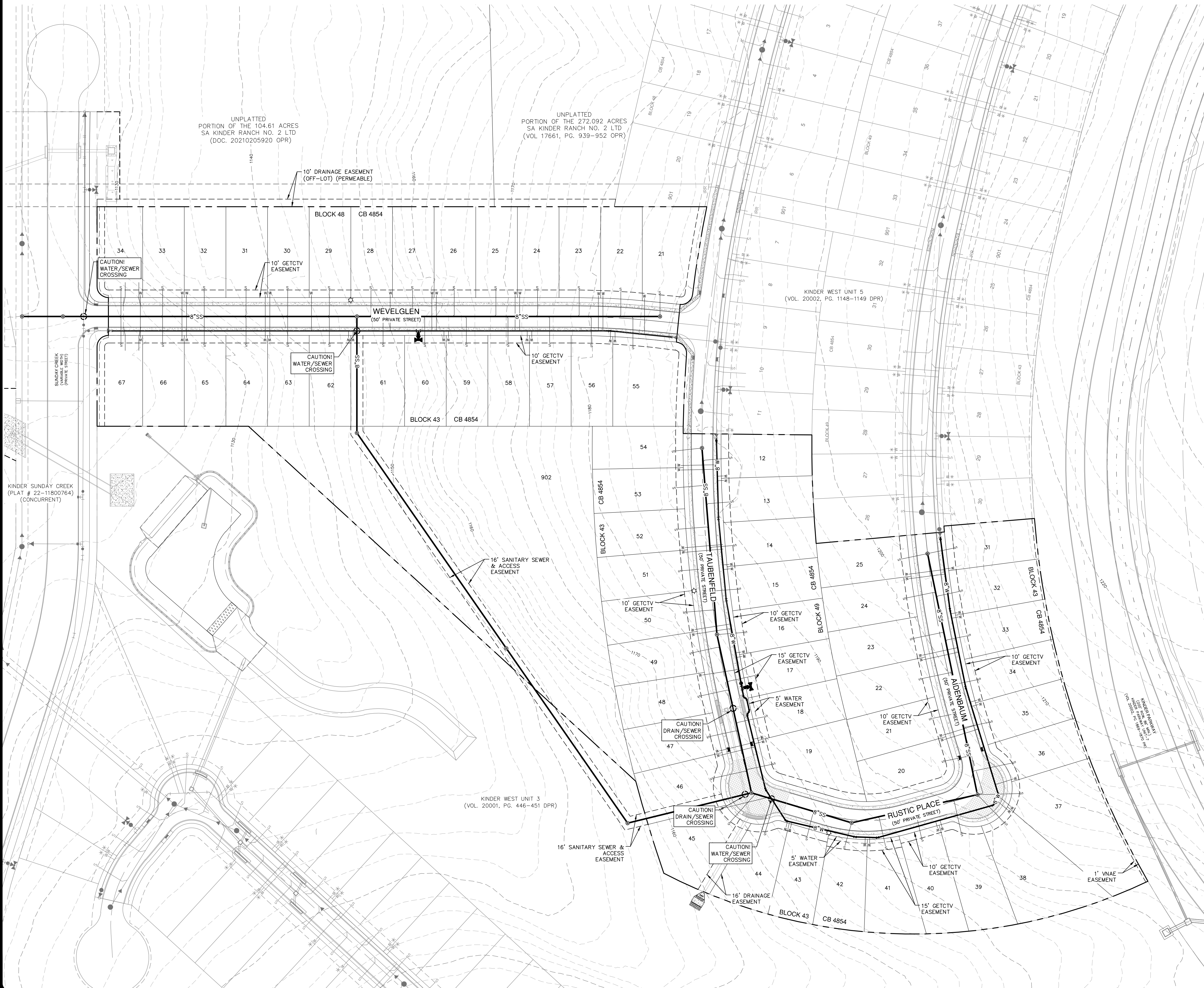
SAN ANTONIO, TEXAS

SANITARY SEWER NOTES

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	UV
CHECKED	AS DRAWN DD
SHEET	C5.11

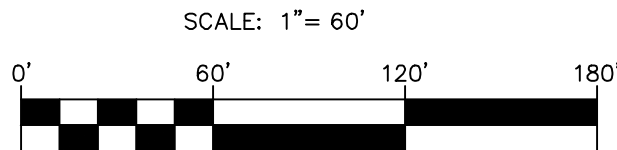
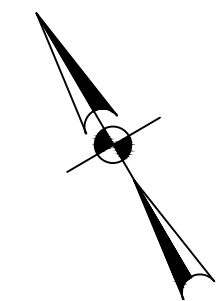
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LOCATION MAP

NOT-TO-SCALE



UTILITY LEGEND

PROJECT LIMITS	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED SEWER	---
PROPOSED WATER	---
PROPOSED WYE & LATERAL	---
SINGLE WATER SERVICE	---
DUAL WATER SERVICE	---
STREET LIGHTS	---
GAS, ELECTRIC, TELEPHONE & CABLE TELEVISION EASEMENT	---

CONDUIT NOTES:

- CONTRACTOR SHALL INSTALL PERMANENT MARKERS IN PROPOSED CURB WHERE CONDUITS CROSS THE ROADWAY (BOTH SIDES).
- CONDUITS SHALL BE PVC WITH MINIMUM BURY OF 36 INCHES BELOW PROPOSED FINISHED GRADE. SCHEDULE 80 TO BE USED FOR GFS CONDUITS, ALL OTHER CONDUITS ARE SCHEDULE 40.
- ALL CONDUITS SHALL BE EXTENDED BEHIND CURBS OR PROPOSED SIDEWALKS A MINIMUM OF 3 FEET AND CAPPED FOR FUTURE USE.
- ALL CONDUIT SLEEVES TO BE USED FOR ELECTRIC, GAS, OR TELECOMMUNICATION UTILITY CROSSINGS SHALL BE INSTALLED TO MEET OR EXCEED DESIGN REQUIREMENTS FOR THE UTILITY AGENCY WHICH THEY ARE SERVING, INCLUDING BUT NOT LIMITED TO THE DEPTH, TRENCH PLACEMENT, AND PROXIMITY TO OTHER UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING AND INSTALLING THE CONDUIT SLEEVES TO MEET THESE SPECIFICATIONS INCLUDING COORDINATING WITH THE UTILITY AGENCY FOR ANY REQUIRED INSPECTIONS.

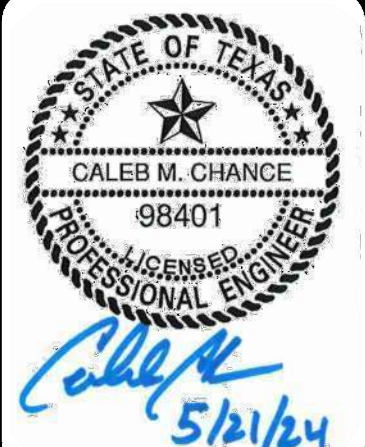
TRENCH EXCAVATION SAFETY PROTECTION:

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!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING 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.

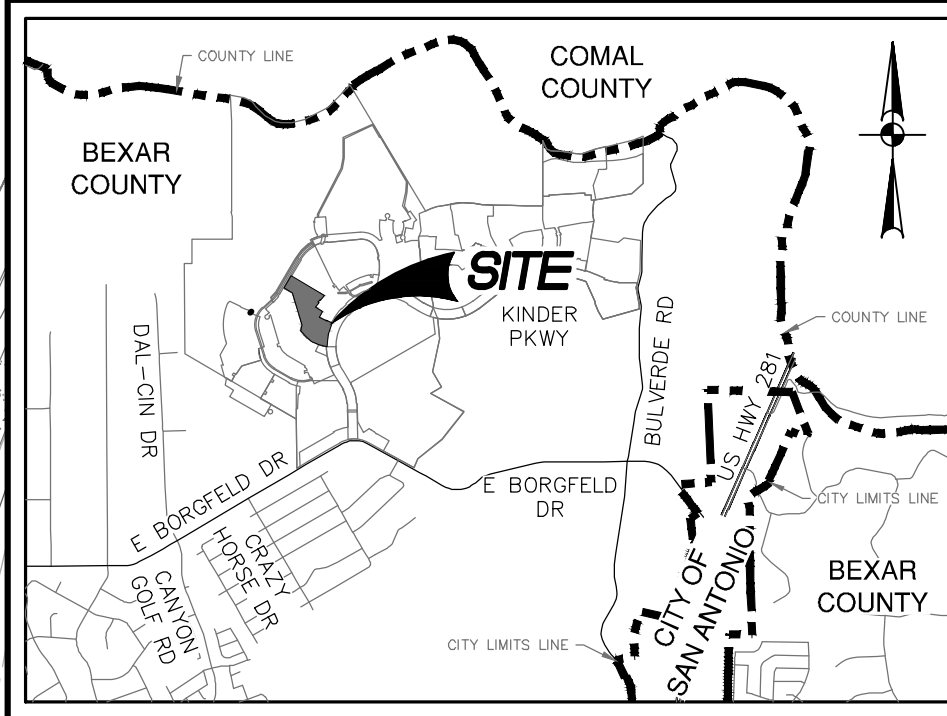
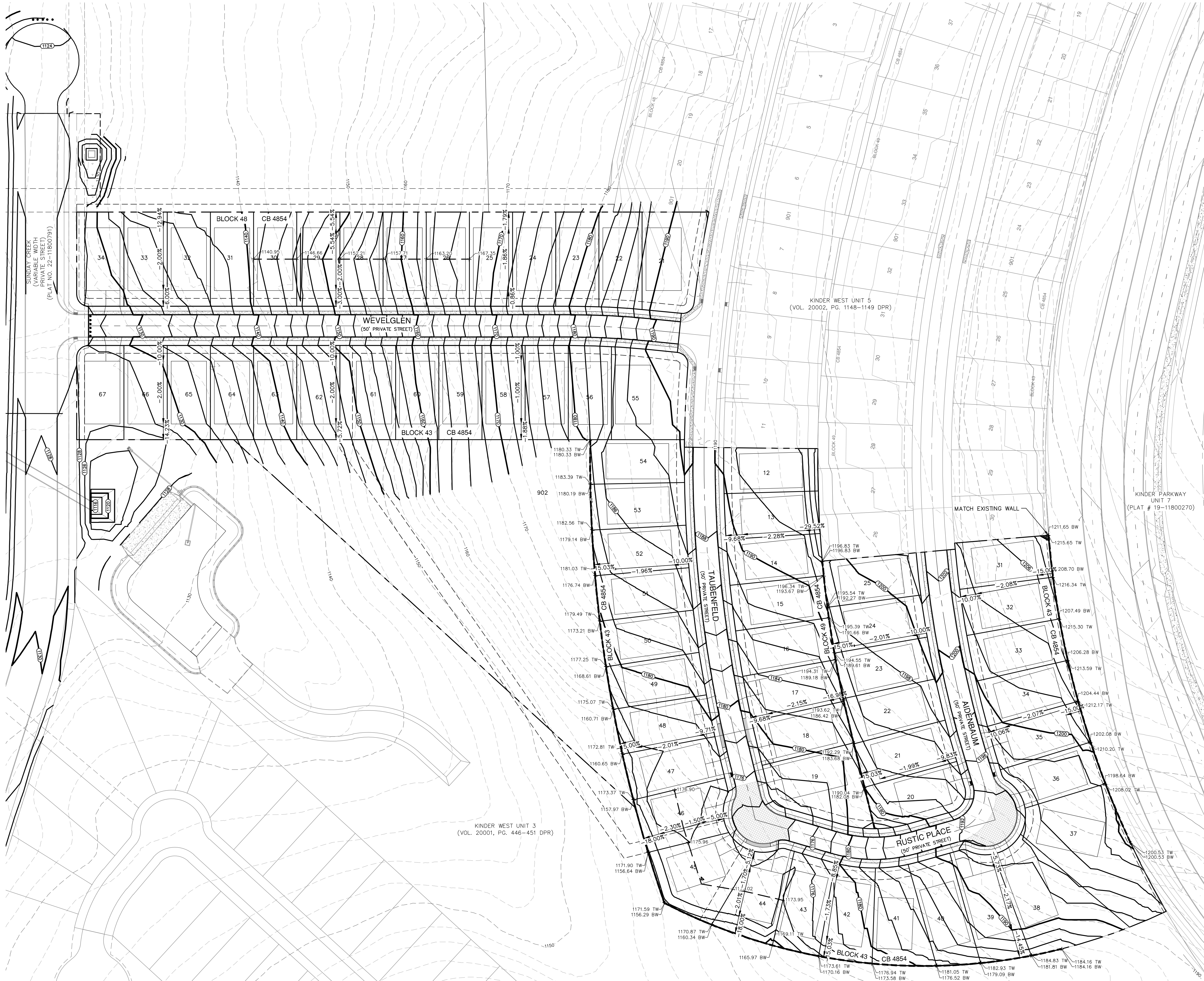
NO.	REVISION	DATE



**PAPE-DAWSON
ENGINEERS**
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2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
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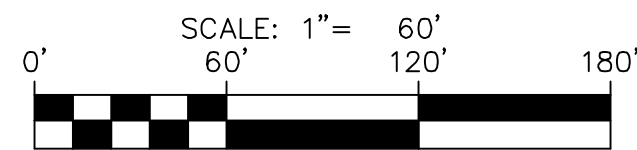
KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS
OVERALL UTILITY PLAN

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	JUV
CHECKED	AS DRAWN DD
SHEET	C6.00



LOCATION MAP

NOT-TO-SCALE



GRADING LEGEND

PROJECT LIMITS	---
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
HIGH POINT	---
RETAINING WALL	---

GRADING NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TxDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
4. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUBGRADE ELEVATIONS.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SMPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.
12. IN PROPOSED PAVING AREAS, STREET DESIGN PLANS SHALL CONTROL. ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1:0% UNLESS OTHERWISE SHOWN.
13. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING SITE AND PROPOSED IMPROVEMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
15. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN WORKING NEAR UTILITIES, GAS LINES, SEWER, OR EXISTING APPURTENANCES. PRIOR TO PERFORMING ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND ASSURE HIMSELF THAT ALL UTILITIES HAVE BEEN ADEQUATELY LOCATED AND IDENTIFIED. THE ENGINEER SHALL BE NOTIFIED IF ANY UTILITY CONFLICTS ARE DISCOVERED.
16. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
17. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
18. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
19. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008860

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

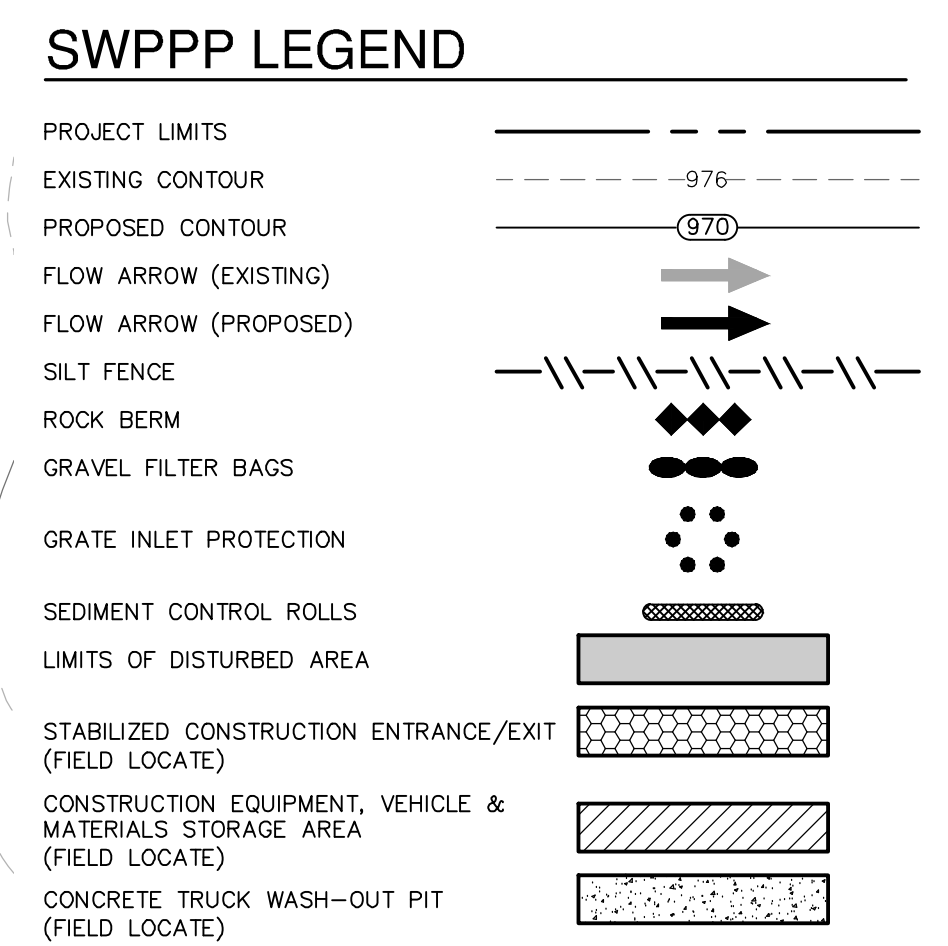
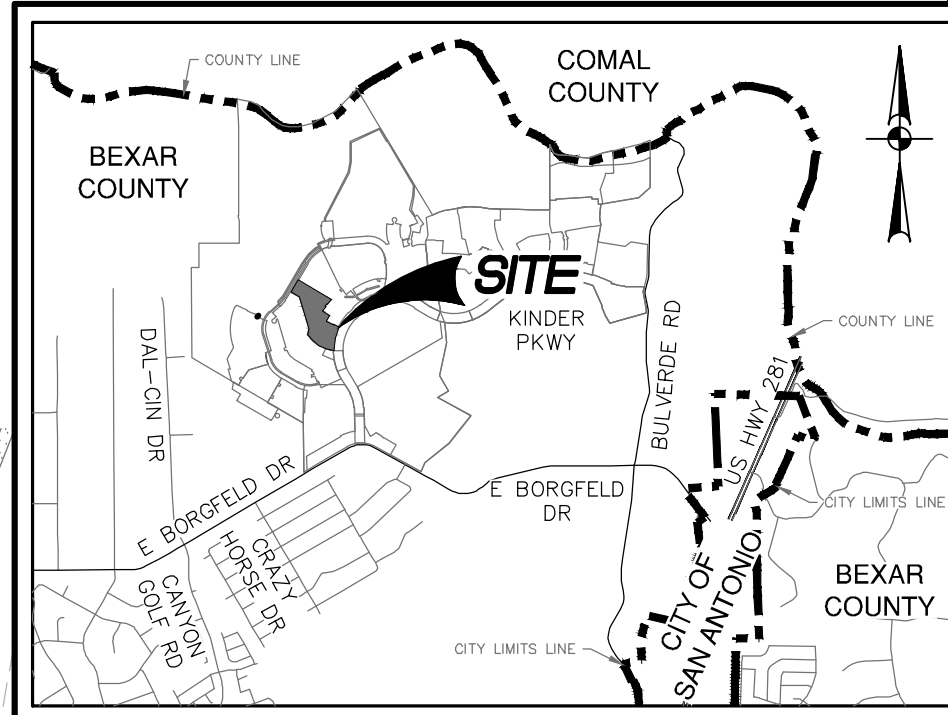
OVERALL GRADING PLAN

PLAT NO.	22-11800764
JOB NO.	8802-60
DATE	OCTOBER 2023
DESIGNER	JUV
CHECKED	AS DRAWNRD/DD
SHEET	C7.00

Date: May 21, 2024, 8:10am User: jh_williams
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SWP3 MODIFICATIONS		
DATE	SIGNATURE	DESCRIPTION

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- GENERAL NOTES**
- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
 - CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
 - STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
 - RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
 - ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
 - FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
 - STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.
 - AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
 - BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADE AREAS.
 - BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
 - UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
 - WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS, OTHERWISE CONTRACTOR SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP.
 - SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD, ARE NOT A PART OF THIS TPDES STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND WILL NOT BE DISTURBED BY CIVIL CONSTRUCTION ACTIVITIES. HOUSE CONSTRUCTION ACTIVITIES WILL REQUIRE A SEPARATE STORM WATER POLLUTION PREVENTION PLAN.
 - PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE PLACEMENT OF TEMPORARY BEST MANAGEMENT PRACTICES WITHIN TxDOT RIGHT-OF-WAY WITH TxDOT.
 - CPS ENERGY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND WILL BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION AND OFF-SITE FEED TO THE PROJECT.

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

DATE	
NO.	
REVISION	

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008860

KINDER WEST UNIT 7 (ENCLAVE)
SAN ANTONIO, TEXAS

STORM WATER POLLUTION PREVENTION PLAN

PLAT NO. 22-11800764

JOB NO. 8802-60

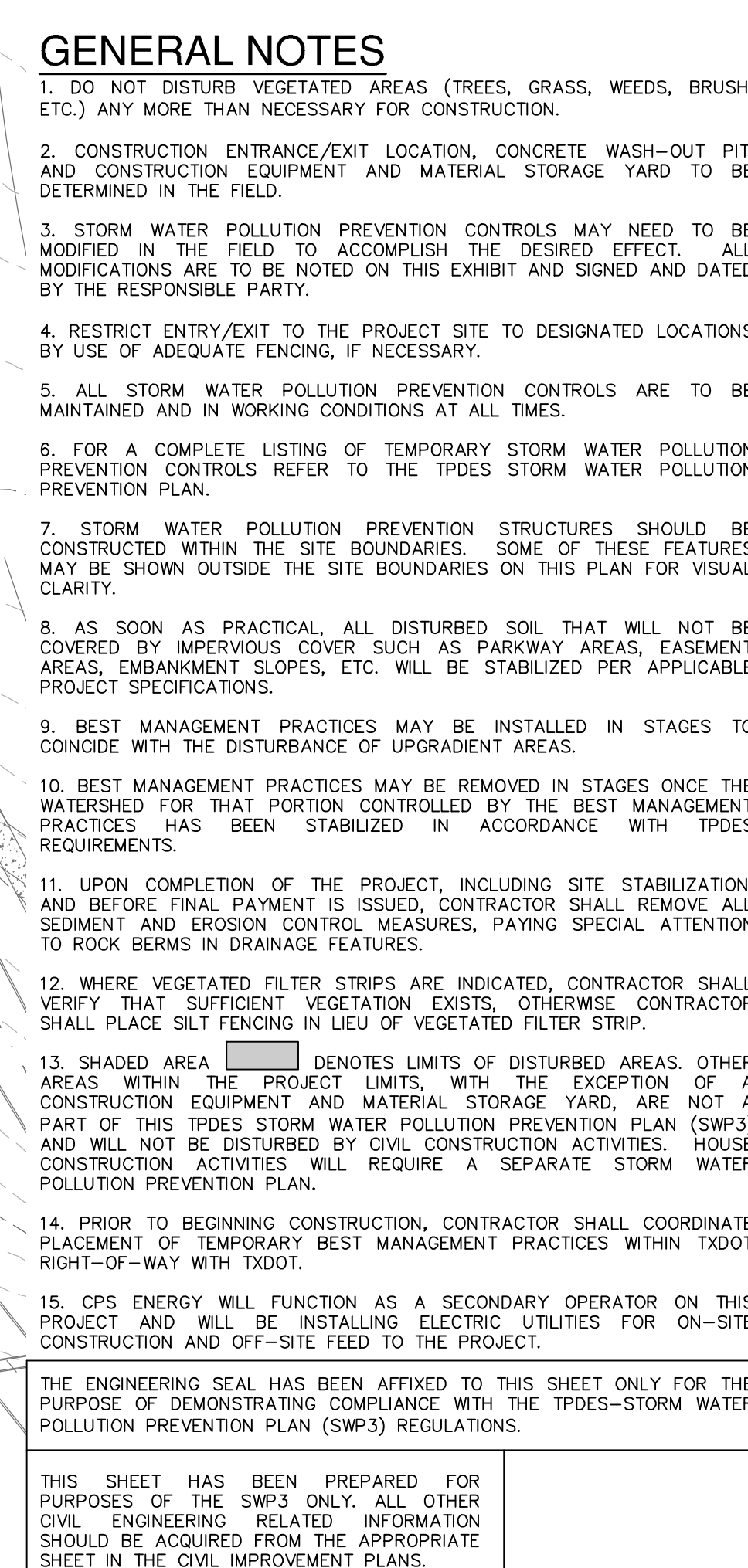
DATE OCTOBER 2023

DESIGNER DD

CHECKED AS DRAWN DD

SHEET C8.00

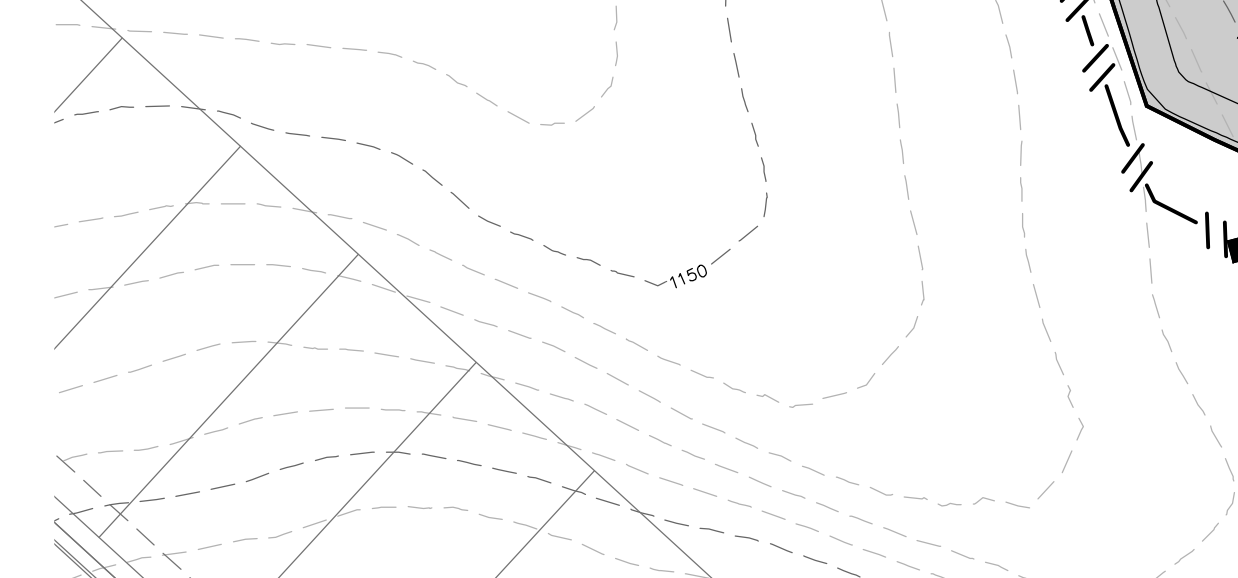
EXHIBIT 2



Date: May 21, 2024, 6:11pm User ID: unilbared
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SWP3 MODIFICATIONS

DATE	SIGNATURE	DESCRIPTION



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