

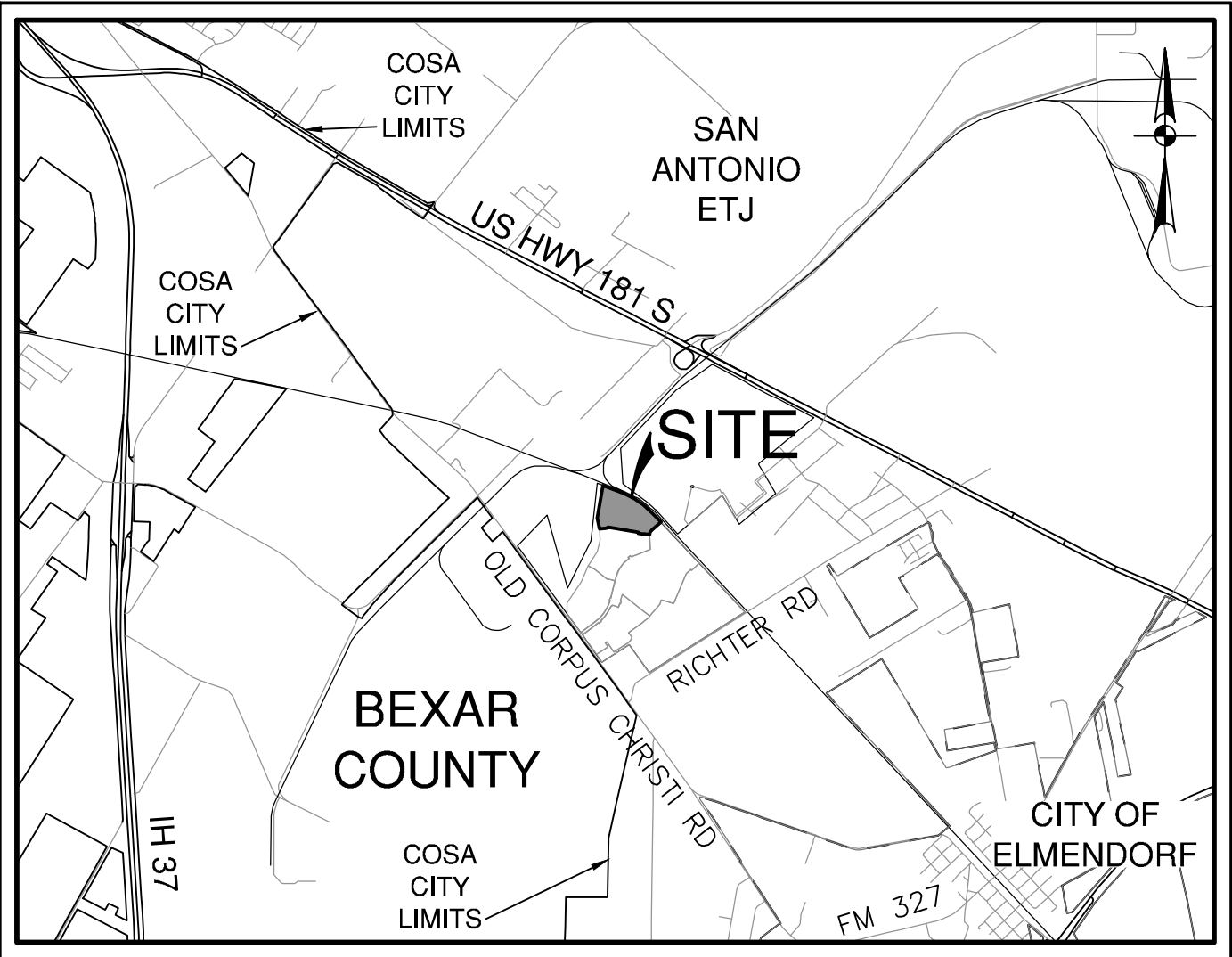
STONE GARDEN - UNIT 3B

SAN ANTONIO, TEXAS

CIVIL CONSTRUCTION PLANS

Sheet List Table

Sheet Number	Sheet Title
C0.00	COVER SHEET
C1.00	OVERALL DRAINAGE PLAN (ULTIMATE DEVELOPMENT)
C1.01	DRAIN F PLAN & PROFILE (STA. 1+15.00 TO END)
C1.02	DRAIN G PLAN & PROFILE (STA. 1+16.45 TO END)
C1.03	DRAIN H PLAN & PROFILE (STA. 1+15.00 TO END)
C1.04	INTERCEPTOR DRAIN P3 PLAN & PROFILE (STA. 1+15.00 TO 5+00.00)
C1.05	INTERCEPTOR DRAIN P3 PLAN & PROFILE (STA. 5+00.00 TO END)
C1.06	DRAINAGE DETAILS
C2.00	LAMPROITE GARDEN PLAN & PROFILE (STA. 4+77.72 TO END)
C2.01	ICELANDITE WAY PLAN & PROFILE (STA. 3+53.11 TO END)
C2.02	ESSEXITE COVE PLAN & PROFILE (STA. 1+50.00 TO END)
C2.03	DOLOMITE PLACE PLAN & PROFILE (STA. 1+14.68 TO END)
C2.04	GRITSTONE COVE PLAN & PROFILE (STA. 1+51.86 TO END)
C2.05	DIABASE PLACE PLAN & PROFILE (STA. 1+50.00 TO END)
C2.06	STREET DETAILS
C2.07	STREET DETAILS
C2.08	STREET DETAILS
C3.00	OVERALL SIGNAGE PLAN
C3.01	OVERALL SIGNAGE DETAILS
C3.02	OVERALL SIGNAGE DETAILS
C3.03	OVERALL SIGNAGE DETAILS
C4.00	OVERALL WATER DISTRIBUTION PLAN
C4.01	OVERALL WATER DISTRIBUTION DETAILS
C4.02	OVERALL WATER DISTRIBUTION NOTES
C5.00	OVERALL SANITARY SEWER PLAN
C5.01	SANITARY SEWER LINE M PLAN & PROFILE (STA. 27+76.00 TO END)
C5.02	SANITARY SEWER LINE N PLAN & PROFILE (STA. 24+71.00 TO 33+50.00)
C5.03	SANITARY SEWER LINE N PLAN & PROFILE (STA. 33+50.00 TO END)
C5.04	SANITARY SEWER LINE Y PLAN & PROFILE (STA. 1+00.00 TO END)
C5.05	SANITARY SEWER LINE Z PLAN & PROFILE (STA. 1+00.00 TO END)
C5.06	OVERALL SANITARY SEWER DETAILS
C5.07	OVERALL SANITARY SEWER NOTES
C6.00	OVERALL UTILITY PLAN
C7.00	OVERALL GRADING PLAN
C8.00	STORM WATER POLLUTION PREVENTION PLAN
C8.01	STORM WATER POLLUTION PREVENTION DETAILS



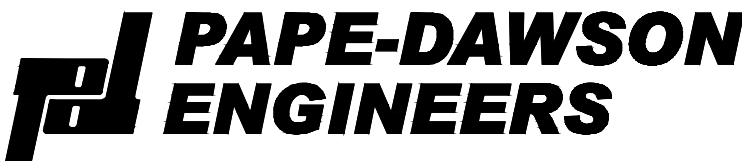
LOCATION MAP

NOT-TO-SCALE

PREPARED FOR:

LENNAR HOMES OF TEXAS
100 NE LOOP 410, STE. 1155
SAN ANTONIO, TX 78216

MAY 2024



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

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.	
ADDRESS: 100 NE LOOP 410, SUITE 1155	
CITY: SAN ANTONIO	STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200	FAX# N/A
SAWS BLOCK MAP# 204524 TOTAL EUD'S 197 TOTAL ACREAGE 23.20	
TOTAL LINEAR FOOTAGE OF PIPE: 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212	
NUMBER OF LOTS 197	SAWS JOB NO. 23-1617

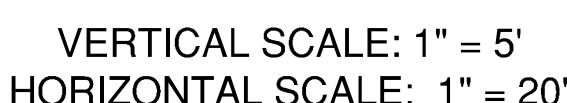
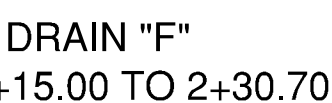
WATER (SAWS PRESSURE ZONE 750)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS	
ADDRESS: 100 NE LOOP 410, STE 1155	
CITY: SAN ANTONIO	STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200	FAX# N/A
SAWS BLOCK MAP# 204524 TOTAL EUD'S 201 TOTAL ACREAGE 23.20	
TOTAL LINEAR FOOTAGE OF PIPE: 4,076 LF ~ 8" PVC PLAT NO. 23-11800212	
NUMBER OF LOTS 197	SAWS JOB NO. 23-1145

SHEET C0.00

Date: April 26, 2023, 2:11 PM - User ID: cldner
File: P:\124\82\10\Design\Civil\001248210.dwg

Master Drainage Plan Calculations (Ultimate Development)																					
Ref. Point	Structure / Description	Drainage Areas			Total Flowpath (ft)	Overland/Sheet Flow (Seelye)			Shallow Concentrated Flow - 1**				Channelized Flow**				Tc-tot	Rational Method Q=CIA			
						L _O (FT)	S _O (ft/ft)	T _O * (MIN)	L _{SC} (FT)	Condition***	Slope (ft/ft)	V _{SC} (FPS)	T _{SC} ** (MIN)	L _{CH} (FT)	V _{CH} (FPS)	T _{CH} ** (MIN)		IDF Curve:	CoSA A14 PA4		
		#	Area (Ac)	C															Return Year	Intensity (in/hr)	Q (cfs)
1.00	EXISTING DRAIN A	A	2.84	0.77	472	100	0.04	11	57	U	0.01	1.6	0.6	315	6.0	0.9	12	5	5.81	12.7	
2.00	EXISTING DRAIN B	B	3.04	0.77	398	100	0.03	12	53	U	0.01	1.6	0.5	245	6.0	0.7	12	25	8.12	17.8	
																	12	100	10.14	22.2	
																	13	5	5.61	13.1	
3.00	EXISTING DRAIN C	C	3.76	0.77	568	100	0.02	13	58	U	0.01	1.6	0.6	410	6.0	1.1	13	25	7.82	18.3	
																	13	100	9.76	22.8	
																	14	5	5.42	15.7	
4.00	EXISTING DRAIN D	D	2.90	0.77	610	100	0.02	13	5	U	0.01	1.6	0.1	505	6.0	1.4	14	25	7.53	16.8	
																	14	100	9.39	21.0	
																	14	5	5.42	12.1	
5.00	EXISTING DRAIN P	E+P1+P2+P3	22.54	0.81	1805	100	0.02	13	600	U	0.01	1.6	6.2	1,105	6.0	3.1	22	5	4.30	78.5	
																	22	25	5.91	107.9	
																	22	100	7.34	134.0	
5.01	EXISTING DRAIN P	P1	7.32	0.85	1805	100	0.02	13	600	U	0.01	1.6	6.2	1,105	6.0	3.1	22	5	4.30	26.8	
																	22	25	5.91	36.8	
																	22	100	7.34	45.7	
5.02	EXISTING DRAIN E	E	8.99	0.77	846	100	0.01	15	11	U	0.01	1.6	0.1	735	6.0	2.0	17	5	4.91	34.0	
																	17	25	6.76	46.8	
																	17	100	8.42	58.3	
5.03	EXISTING DRAIN P2	P2+P3	6.23	0.81	1050	100	0.01	15	40	U	0.01	1.6	0.4	910	6.0	2.5	17	5	4.91	24.8	
																	17	25	6.76	34.1	
																	17	100	8.42	42.5	
5.04	EXISTING DRAIN P2	P2	1.57	0.91	385	100	0.03	12	225	U	0.01	1.6	2.3	60	6.0	0.2	14	5	5.42	7.7	
																	14	25	7.53	10.8	
																	14	100	9.39	13.4	
5.05	DRAIN P3	P3	4.66	0.77	325	100	0.01	15	10	U	0.01	1.6	0.1	215	6.0	0.6	15	5	5.24	18.8	
																	15	25	7.24	26.0	
																	15	100	9.03	32.4	
6.00	DRAIN F	F	4.30	0.77	775	100	0.02	13	120	U	0.01	1.6	1.2	555	6.0	1.5	15	5	5.24	17.3	
																	15	25	7.24	24.0	
																	15	100	9.03	29.9	
7.00	DRAIN G	G	5.02	0.77	260	100	0.03	12	30	U	0.01	1.6	0.3	130	6.0	0.4	12	5	5.81	22.5	
																	12	25	8.12	31.4	
																	12	100	10.14	39.2	
8.00	DRAIN H	H	3.97	0.77	500	100	0.04	11	90	U	0.01	1.6	0.9	310	6.0	0.9	12	5	5.81	17.8	
																	12	25	8.12	24.8	
																	12	100	10.14	31.0	
15.0	EXISTING DRAIN M	M	8.43	0.77	850	100	0.02	13	65	U	0.01	1.6	0.7	685	6.0	1.9	15	5	5.24	34.0	
																	15	25	7.24	47.0	
																	15	100	9.03	58.6	
16.0	EXISTING DRAIN N	N	7.18	0.77	770	100	0.02	13	20	U	0.02	2.3	0.1	650	6.0	1.8	14	5	5.42	30.0	
																	14	25	7.53	41.6	
																	14	100	9.39	51.9	
20.0	EXISTING DRAIN S	S1+S2	5.50	0.77	500	100	0.01	15	115	U	0.02	2.3	0.8	285	6.0	0.8	16	5	5.06	21.4	
																	16	25	6.99	29.6	
																	16	100	8.71	36.9	
20.1	EXISTING DRAIN S	S1	4.77	0.77	500	100	0.01	15	115	U	0.02	2.3	0.8	285	6.0	0.8	16	5	5.06	18.6	
																	16	25	6.99	25.7	
																	16	100	8.71	32.0	
20.2	CALCULATION POINT	S2	0.73	0.80	845	-	-	-	-	-	-	-	-	845	6.0	2.3	5	25	10.92	6.4	
21.0	EXISTING DRAIN T	T	4.64	0.77	550	100	0.02	13	160	U	0.02	2.3	1.2	290	6.0	0.8	5	100	13.65	8.0	
																	14	5	5.42	19.4	
																	14	25	7.53	26.9	
																	14	100	9.39	33.3	



**HYDRAULIC
CALCULATIONS
ROCK RUBBLE**

STA. 2+04.70 TO 2+14.70

Q25 = 24.0 CFS

Bw = 8.00'

n = 0.038

S = 1.00%

D = 1.50'

dn = 0.80'

V = 2.88 FPS

$\tau = 0.40 \text{ LB/FT}^2$

HYDRAULIC
CALCULATIONS
RIP-RAP

STA. 2+14.70 TO 2+24.70

Q25 = 24.0 CFS

Bw = 8.00'

n = 0.015

S = 1.00%

D = 1.50'

dn = 0.48'

V = 5.30 FPS

$\tau = 0.26 \text{ LB/FT}^2$



PROJECT LIMITS

100 YR FLOODPLAIN

EXISTING CONTOUR

690

PROPOSED CONTOUR

690

PROPOSED WATER

W

PROPOSED SEWER

SS

PROPOSED STORM DRAIN

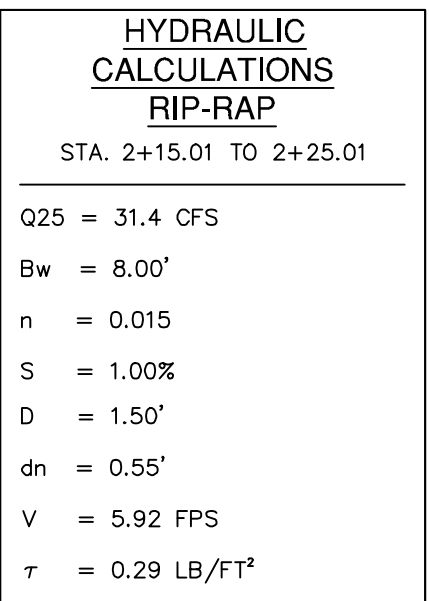
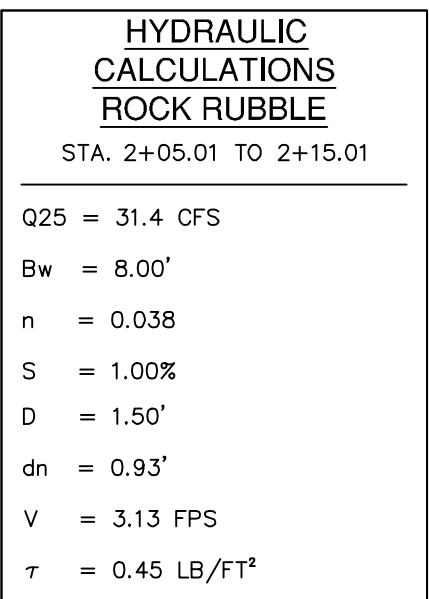
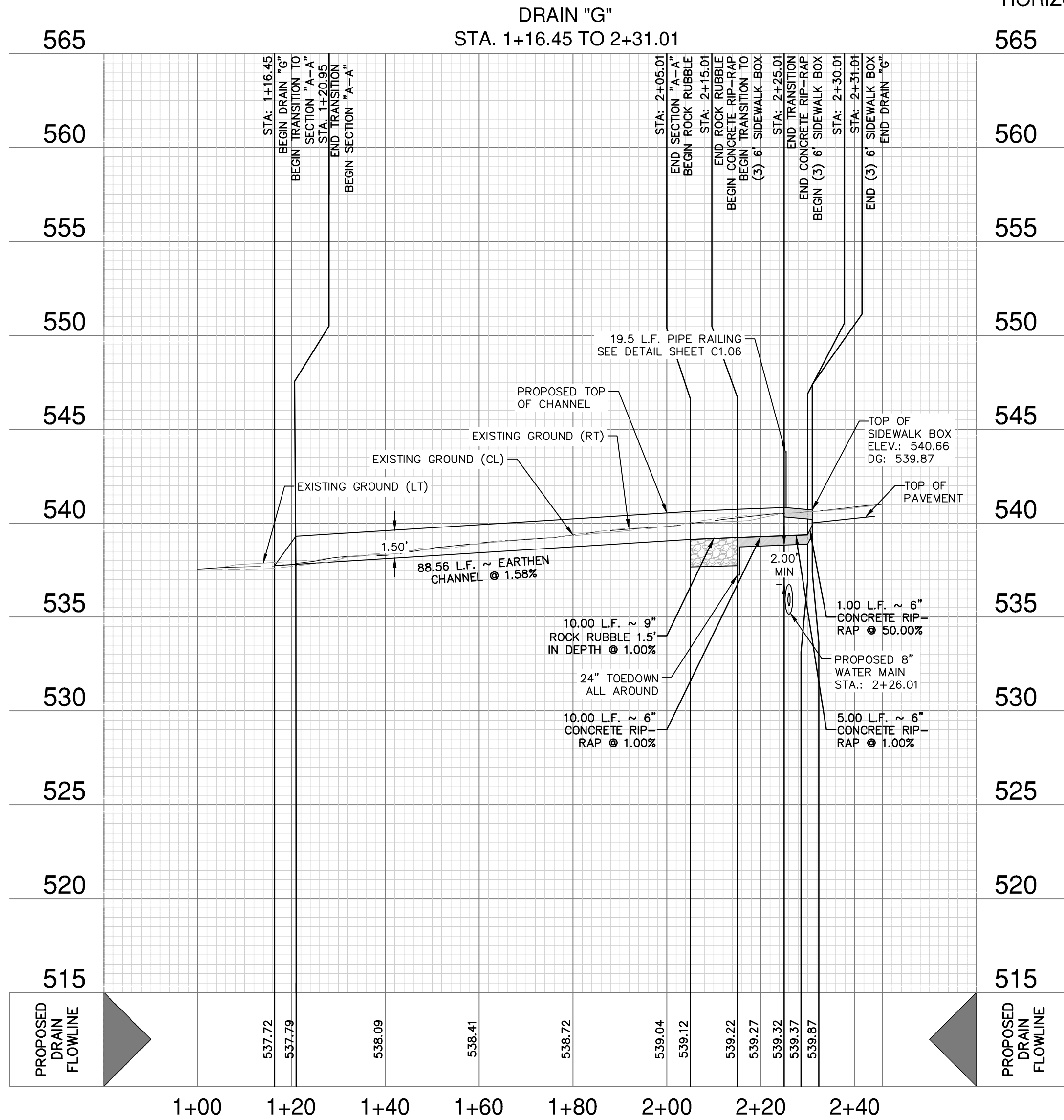
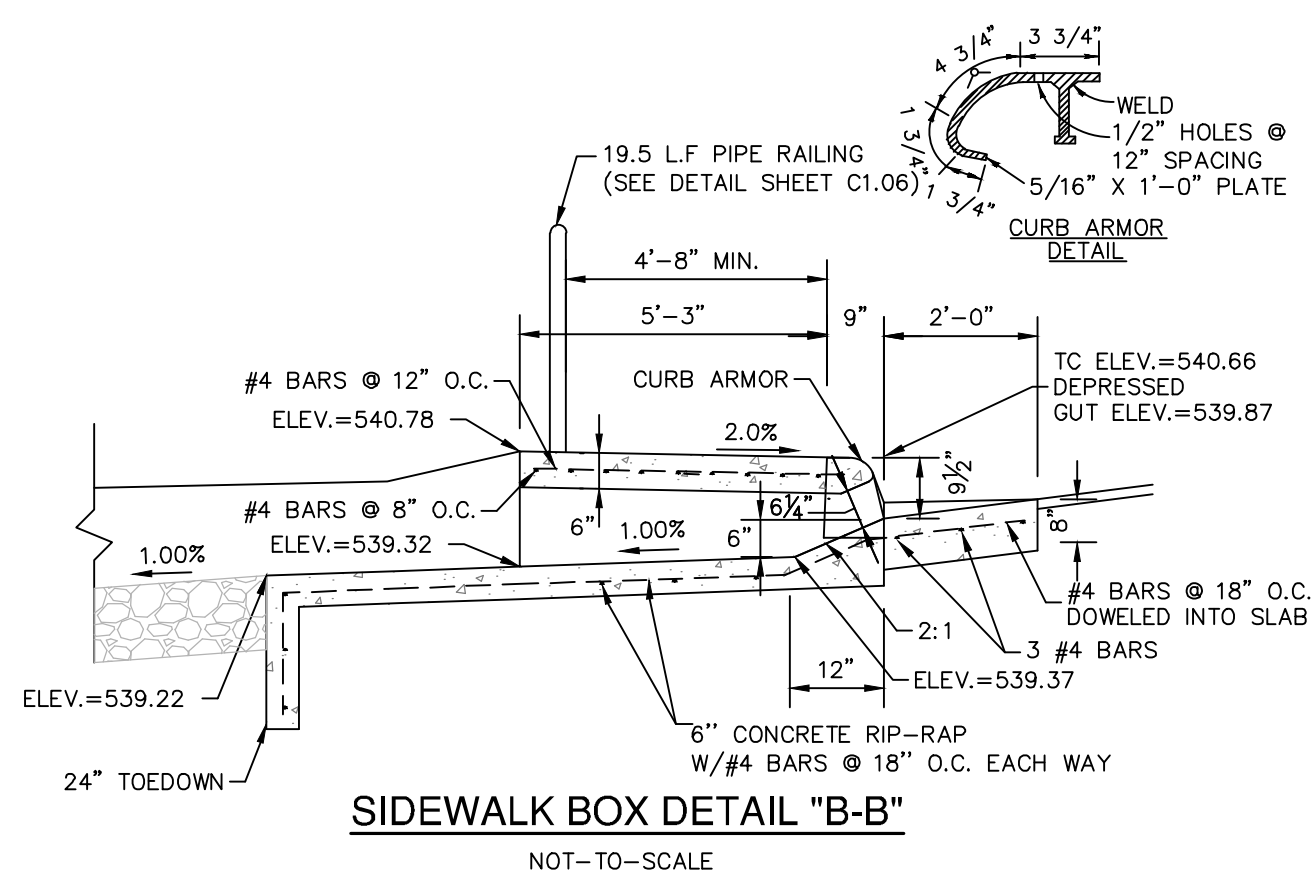
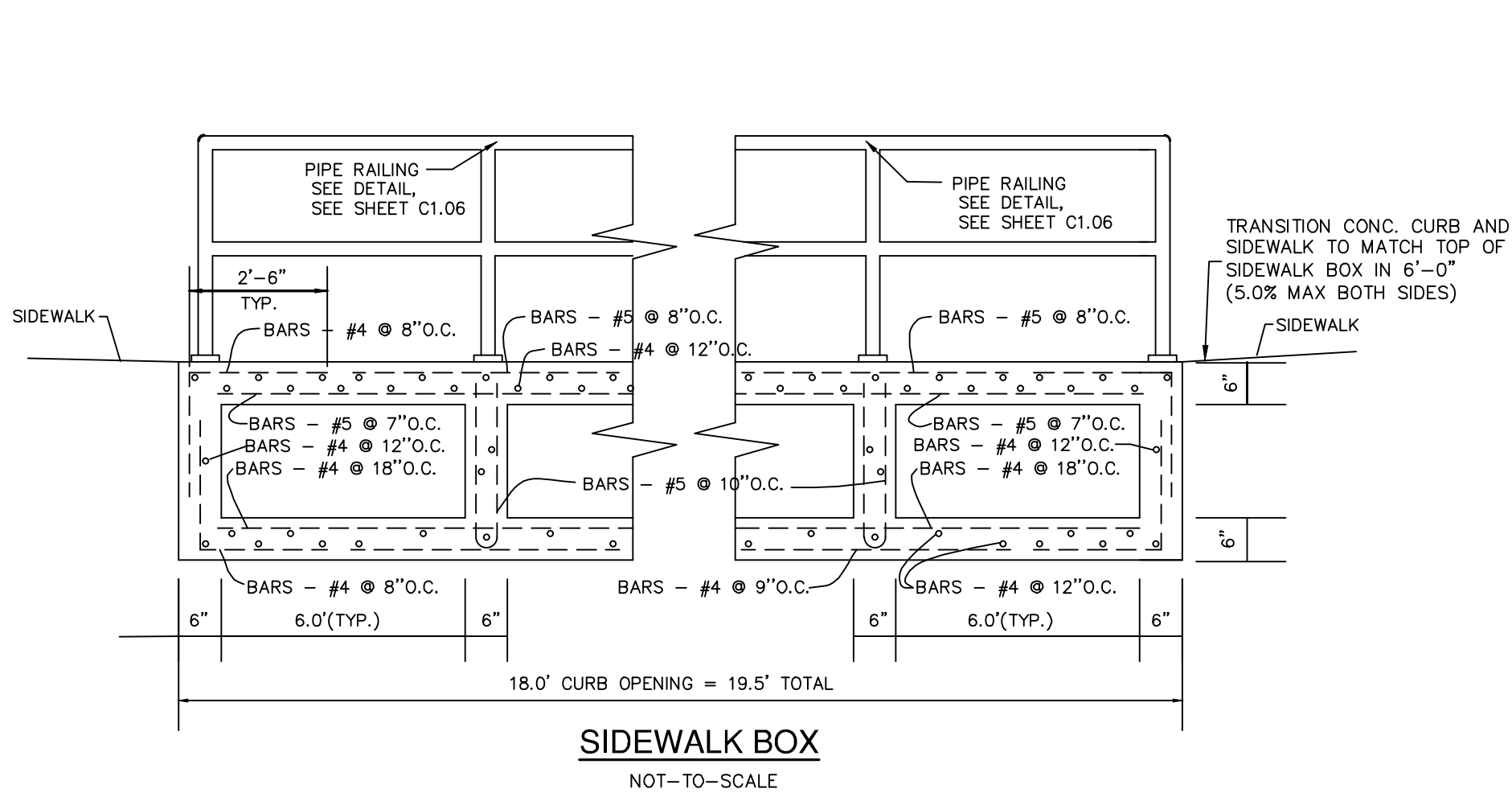
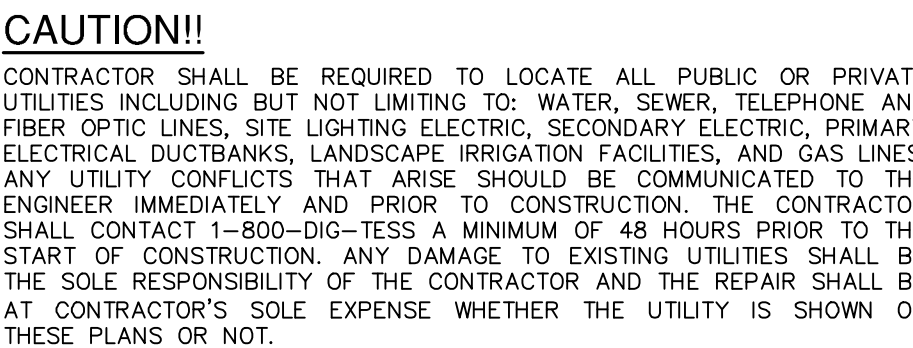
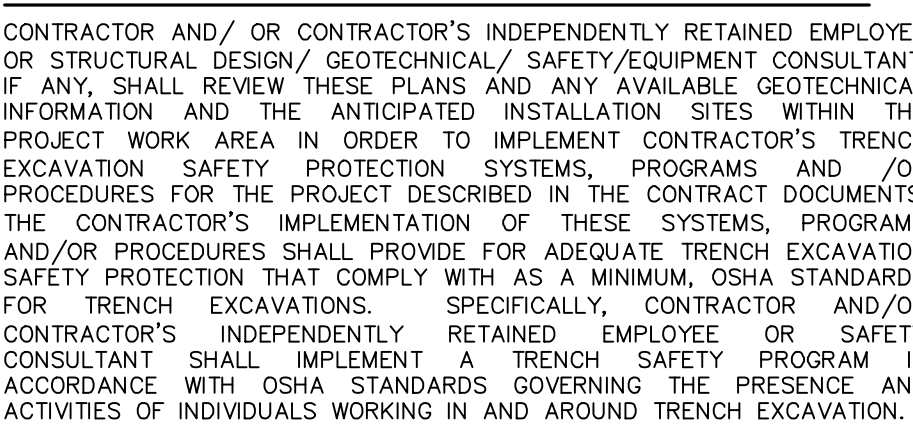
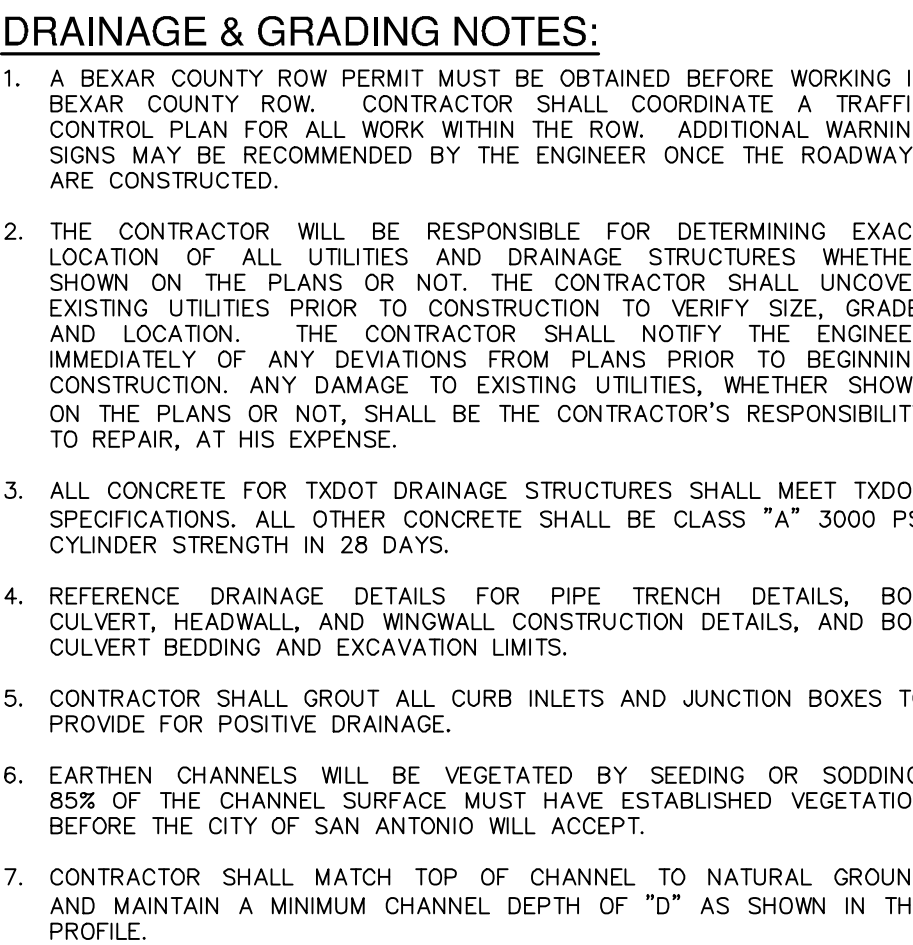
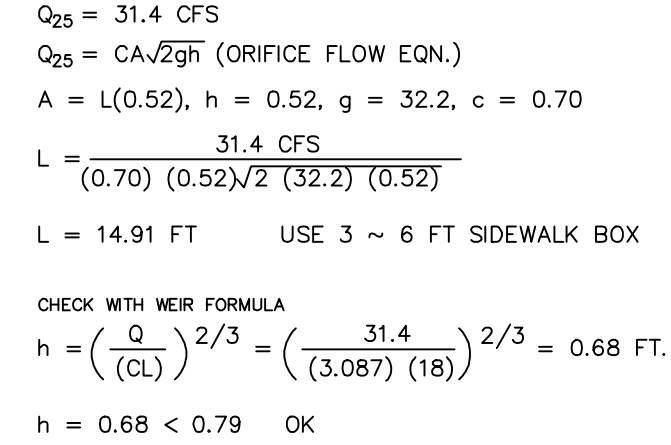
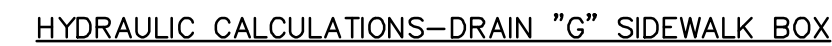
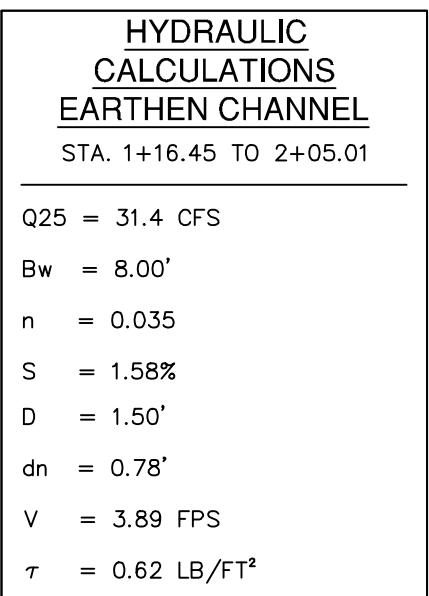
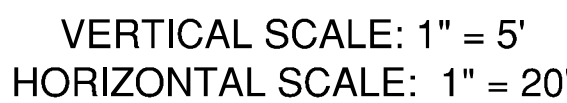
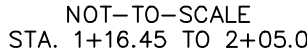
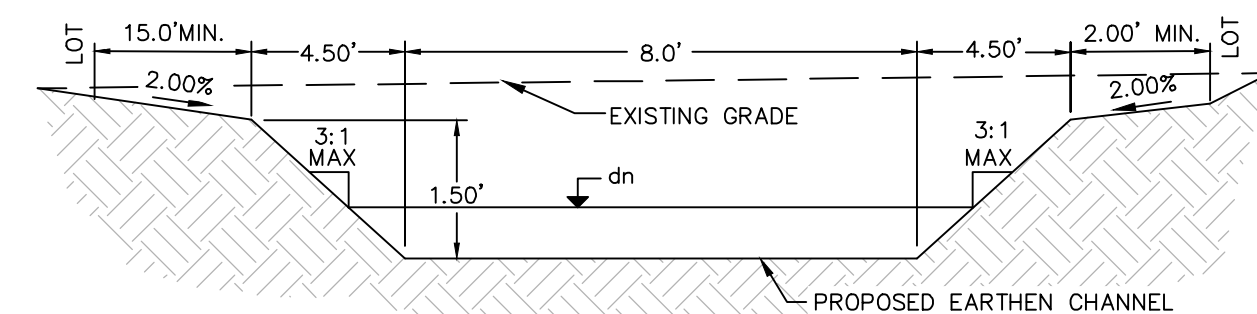
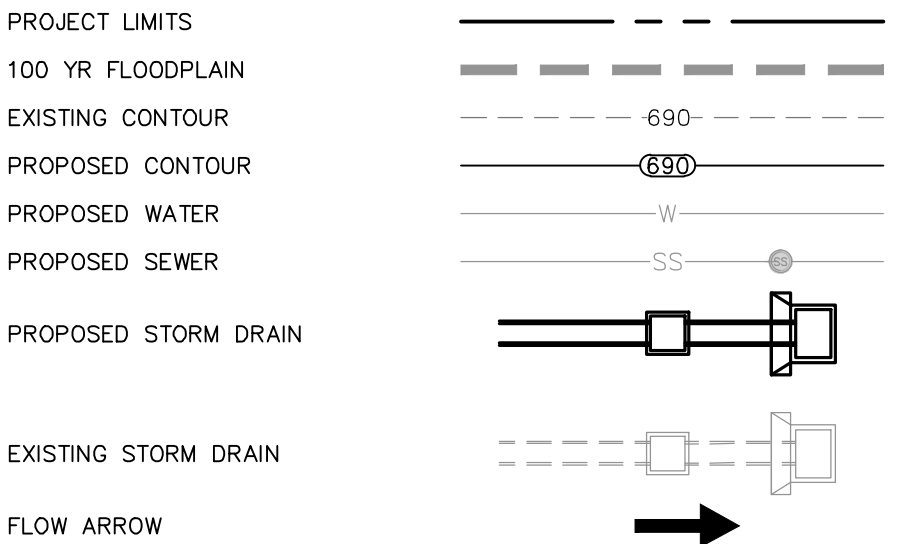
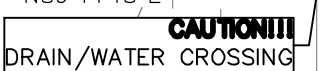
EXISTING STORM DRAIN

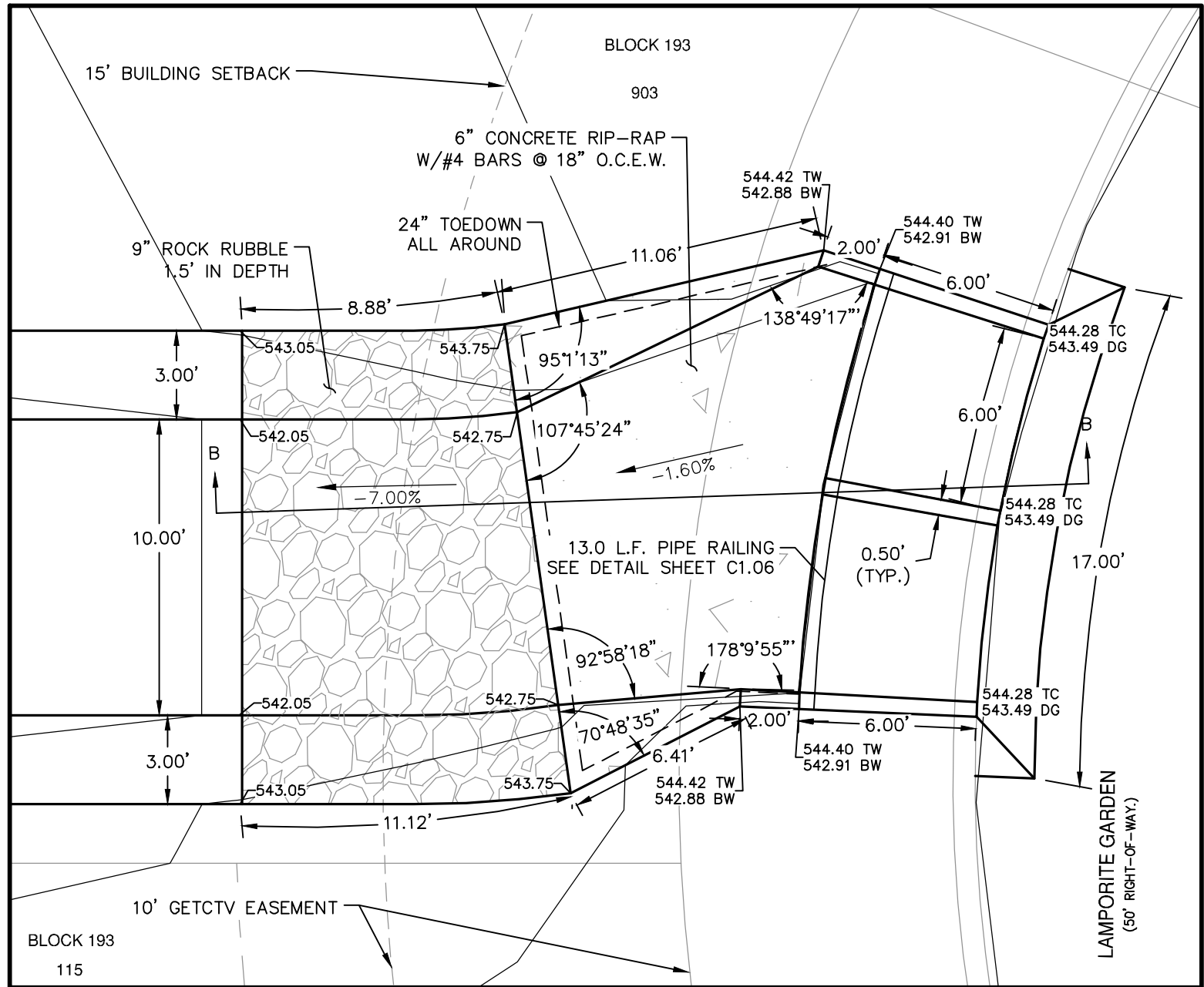
FLOW ARROW



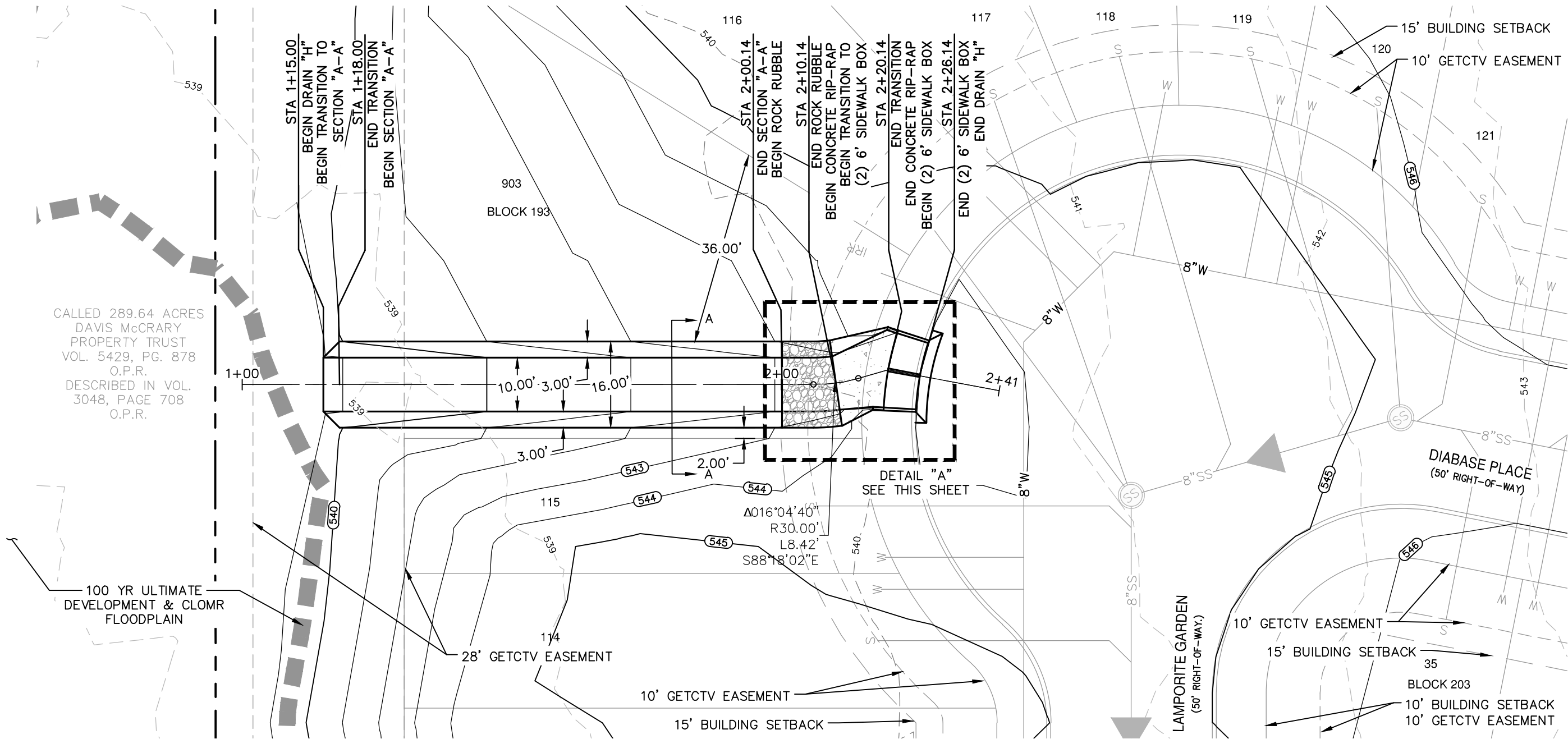
ONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
DRAIN F PLAN & PROFILE
(STA. 1+15.00 TO END)

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C1.01

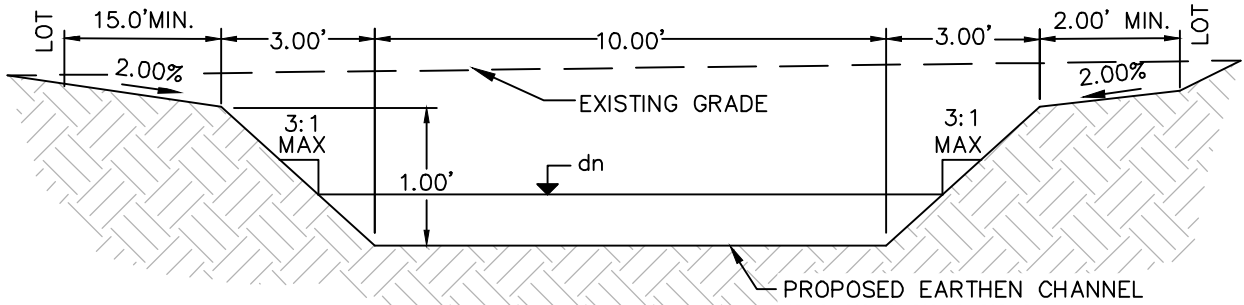
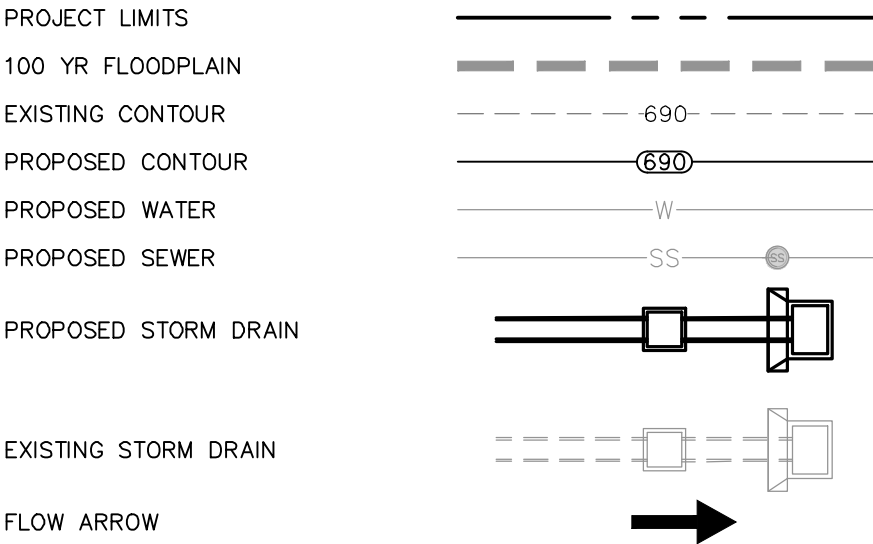




DETAIL "A"
SCALE: 1" = 5'

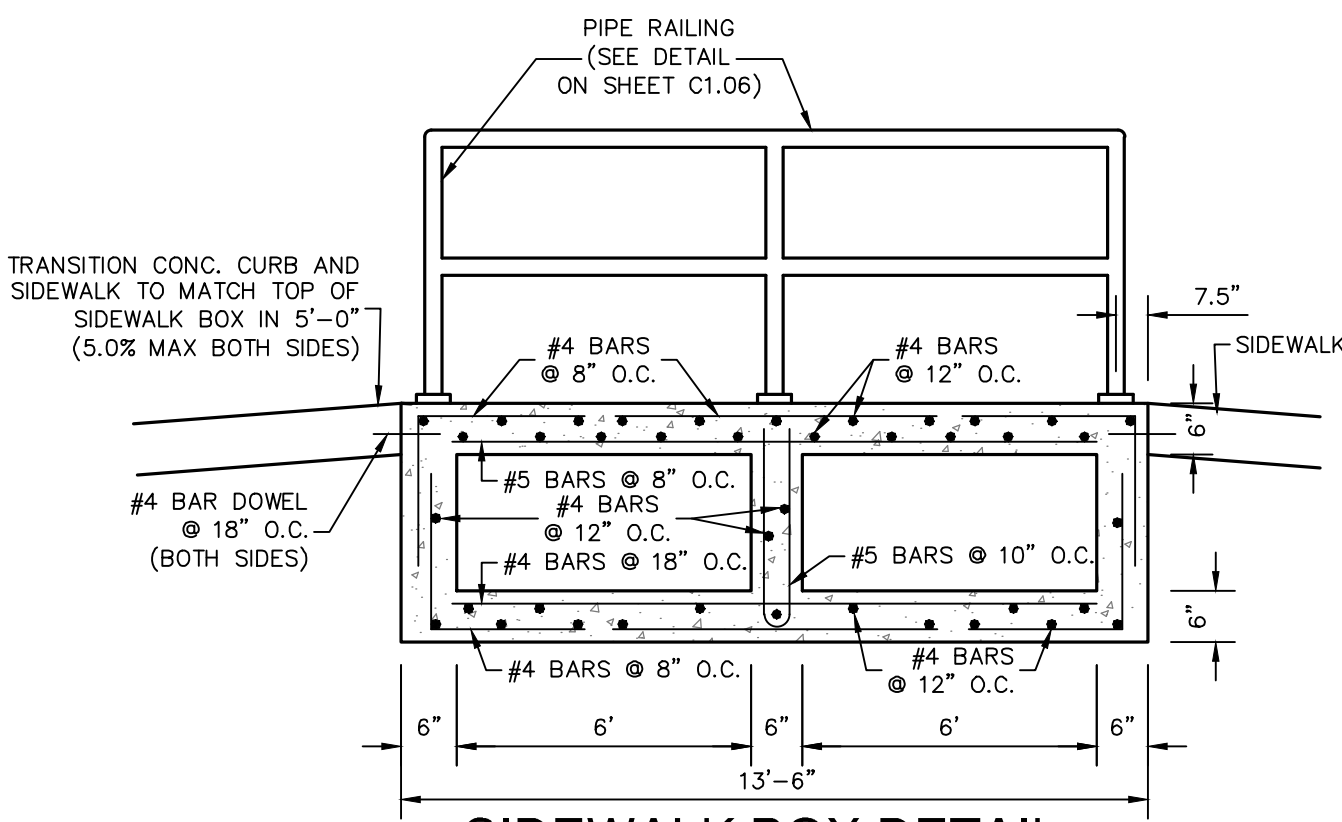


DRAINAGE LEGEND



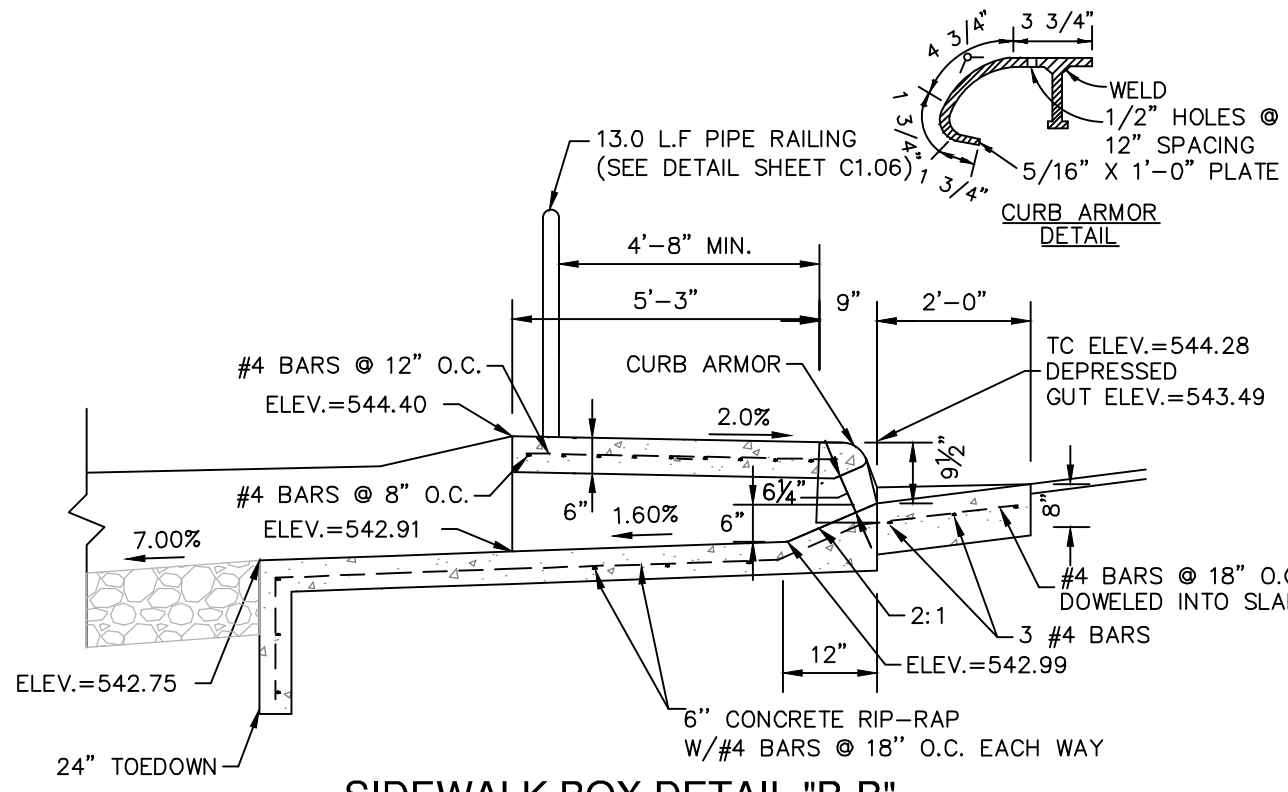
SECTION "A-A"

NOT-TO-SCALE
STA. 1+18.00 ~ 2+00.14



SIDEWALK BOX DETAIL

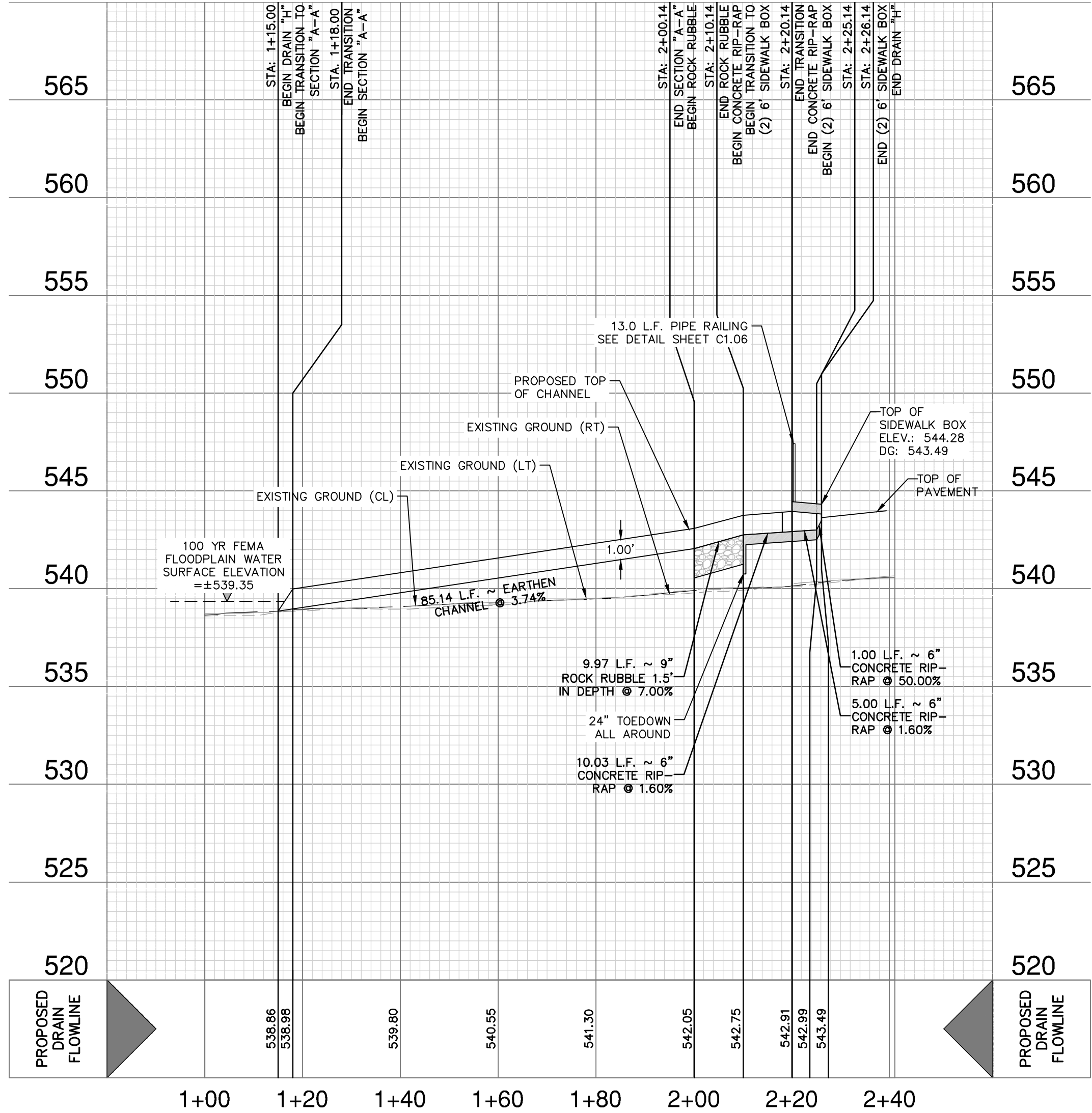
NOT-TO-SCALE



SIDEWALK BOX DETAIL "B-B"

NOT-TO-SCALE

DRAIN "H"
STA. 1+15.00 TO 2+26.14
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 20'



HYDRAULIC CALCULATIONS EARTHEN CHANNEL
STA. 1+15.00 TO 2+00.14
Q25 = 24.8 CFS
Bw = 10.00'
n = 0.035
S = 3.74%
D = 1.00'
dn = 0.48'
V = 4.52 FPS
τ = 0.98 LB/FT²

HYDRAULIC CALCULATIONS ROCK RUBBLE
STA. 2+00.14 TO 2+10.14
Q25 = 24.8 CFS
Bw = 10.00'
n = 0.038
S = 7.00%
D = 1.00'
dn = 0.42'
V = 5.24 FPS
τ = 1.63 LB/FT²

HYDRAULIC CALCULATIONS RIP-RAP
STA. 2+10.14 TO 2+20.14
Q25 = 24.8 CFS
Bw = 10.00'
n = 0.015
S = 1.60%
D = 1.00'
dn = 0.38'
V = 5.86 FPS
τ = 0.34 LB/FT²

HYDRAULIC CALCULATIONS—DRAIN "H" SIDEWALK BOX

$Q_{25} = 24.8 \text{ CFS}$
 $Q_{25} = CA\sqrt{2gh} \text{ (ORIFICE FLOW EQN.)}$
 $A = L(0.52), h = 0.52, g = 32.2, c = 0.70$
 $L = \frac{24.8 \text{ CFS}}{(0.70)(0.52)\sqrt{2}(32.2)(0.52)}$
 $L = 11.77 \text{ FT}$ USE 2 ~ 6 FT SIDEWALK BOX

CHECK WITH WEIR FORMULA
 $h = \left(\frac{Q}{(CL)}\right)^{2/3} = \left(\frac{24.8}{(3.087)(12)}\right)^{2/3} = 0.76 \text{ FT.}$
 $h = 0.76 < 0.79 \text{ OK}$

DRAINAGE & GRADING NOTES:

- A BEXAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN 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.
- 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.
- ALL CONCRETE FOR TxDOT DRAINAGE STRUCTURES SHALL MEET TxDOT SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
- REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
- CONTRACTOR SHALL GROUT ALL CURB INLETS AND JUNCTION BOXES TO PROVIDE FOR POSITIVE DRAINAGE.
- 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.
- CONTRACTOR SHALL MATCH TOP OF CHANNEL TO NATURAL GROUND AND MAINTAIN A MINIMUM CHANNEL DEPTH OF "D" AS SHOWN IN THE PROFILE.

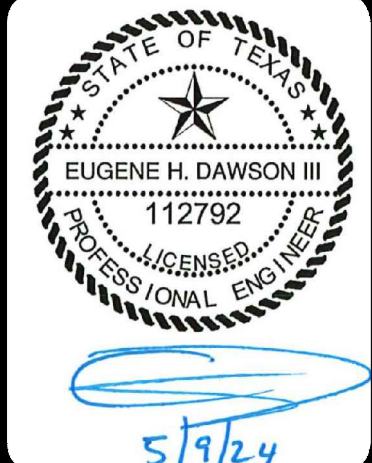
TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEO/TECHNICAL/ 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-TEST 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



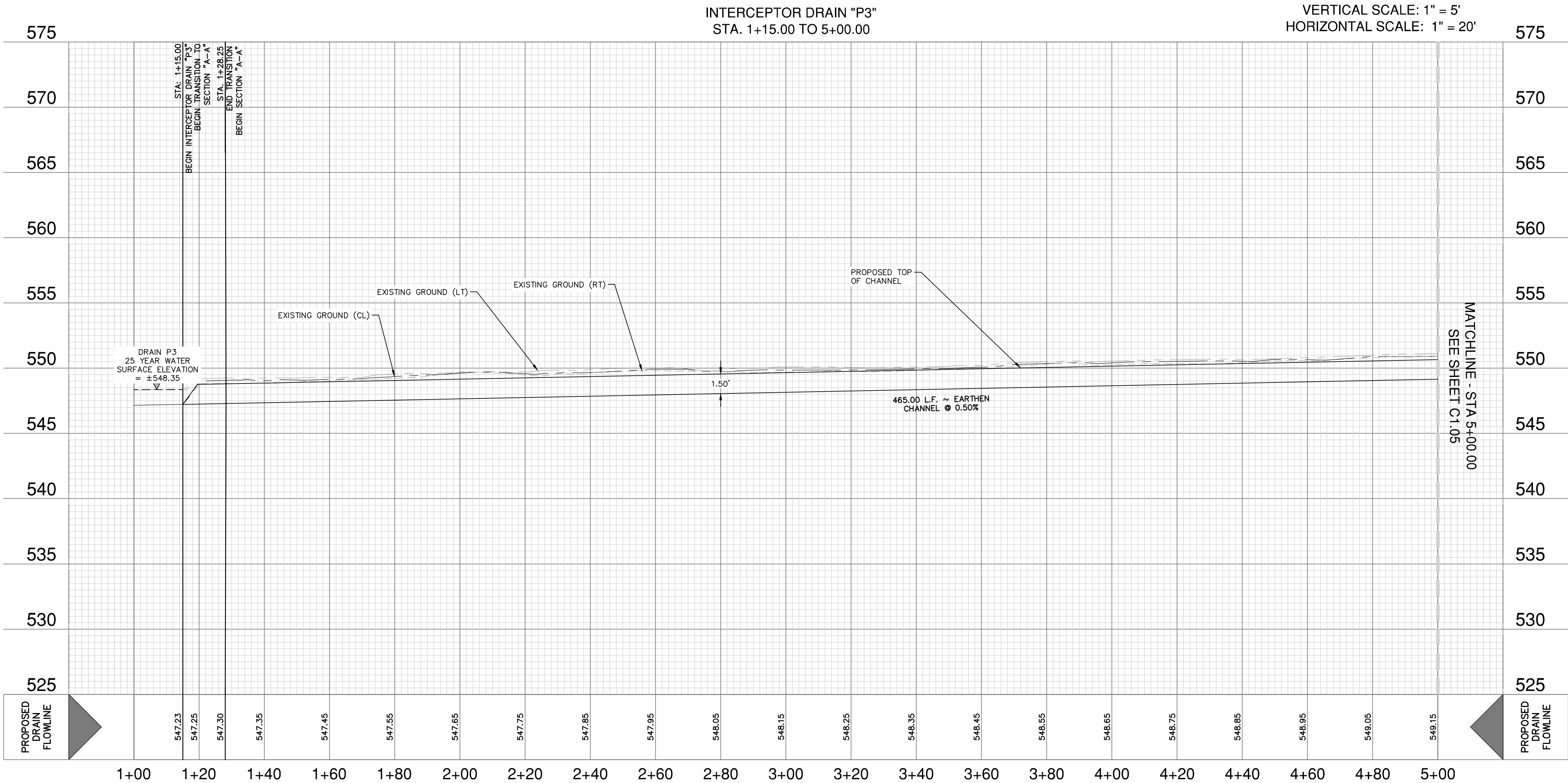
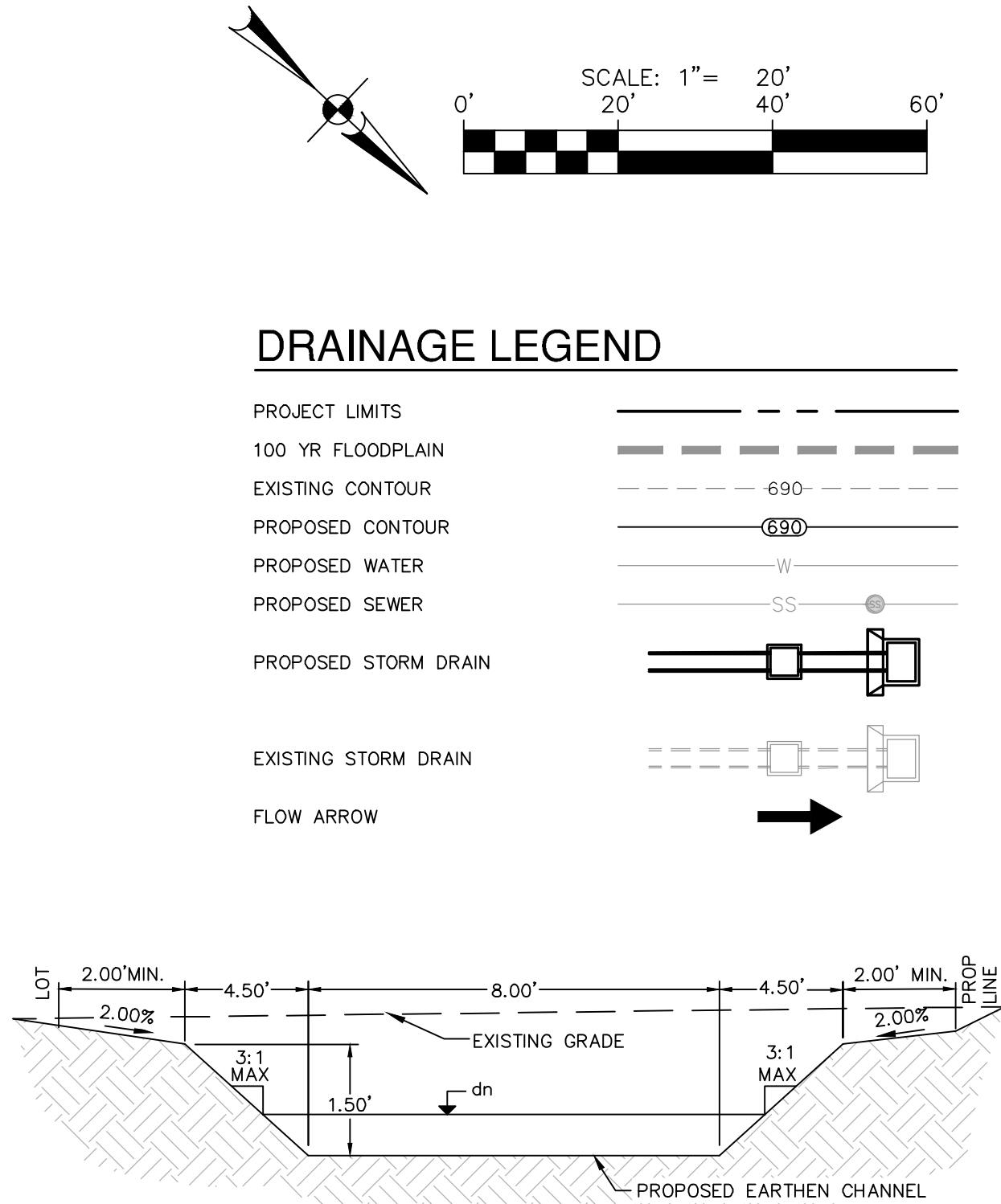
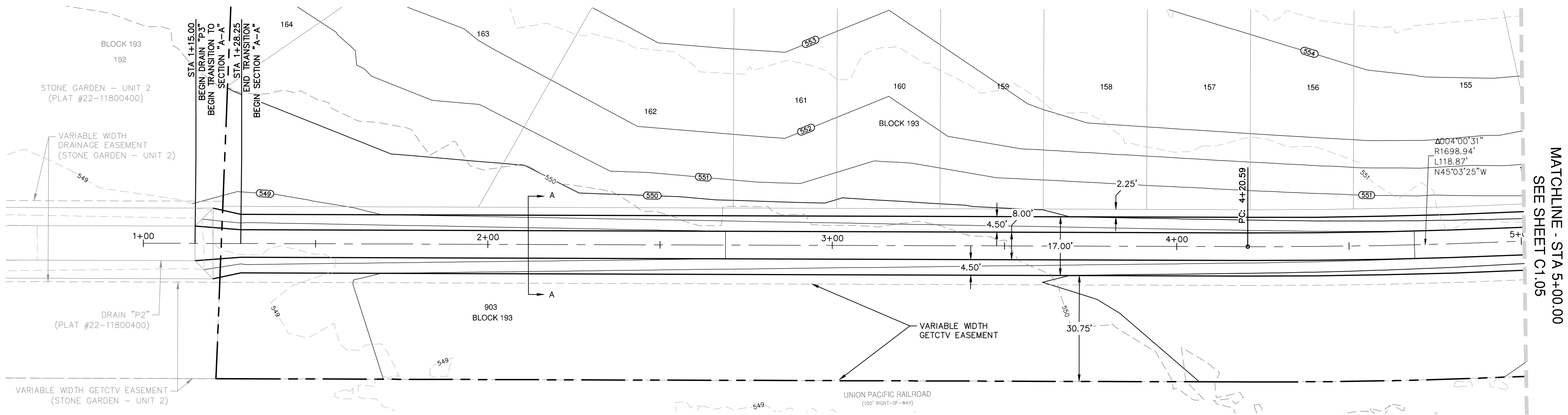
PAPE-DAWSON ENGINEERS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
DRAIN H PLAN & PROFILE
(STA. 1+15.00 TO END)

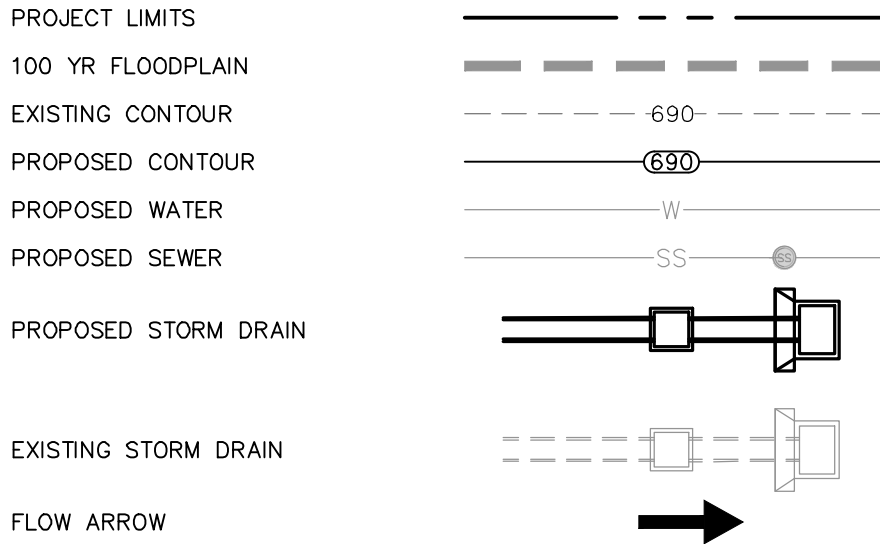
PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	MAY 2024
DESIGNER	BK
CHECKED	DW
DRAWN	JR
SHEET	C1.03

Dates: April 26, 2023, 3:12 PM - User ID: jromos
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THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO, Digital Globe, Texas Orthomography Program, USDA Farm Service Agency.



DRAINAGE LEGEND



SECTION 'A-A'

NOT-TO-SCALE
STA. 1+28.25 - 7+84.53

HYDRAULIC CALCULATIONS EARTHEN CHANNEL STA. 1+15.00 TO 5+80.00	
Q25 = 26.0 CFS	
Bw = 8.00'	
n = 0.035	
S = 0.50%	
D = 1.50'	
dn = 0.97'	
V = 2.46 FPS	
$\tau = 0.23 \text{ LB/FT}^2$	

DRAINAGE & GRADING NOTES:

- A BEXAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN 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.
- 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.
- ALL CONCRETE FOR TxDOT DRAINAGE STRUCTURES SHALL MEET TxDOT SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
- REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
- CONTRACTOR SHALL GROUT ALL CURB INLETS AND JUNCTION BOXES TO PROVIDE FOR POSITIVE DRAINAGE.
- 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.
- 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!!

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 ELECTRICAL, 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-TEST 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

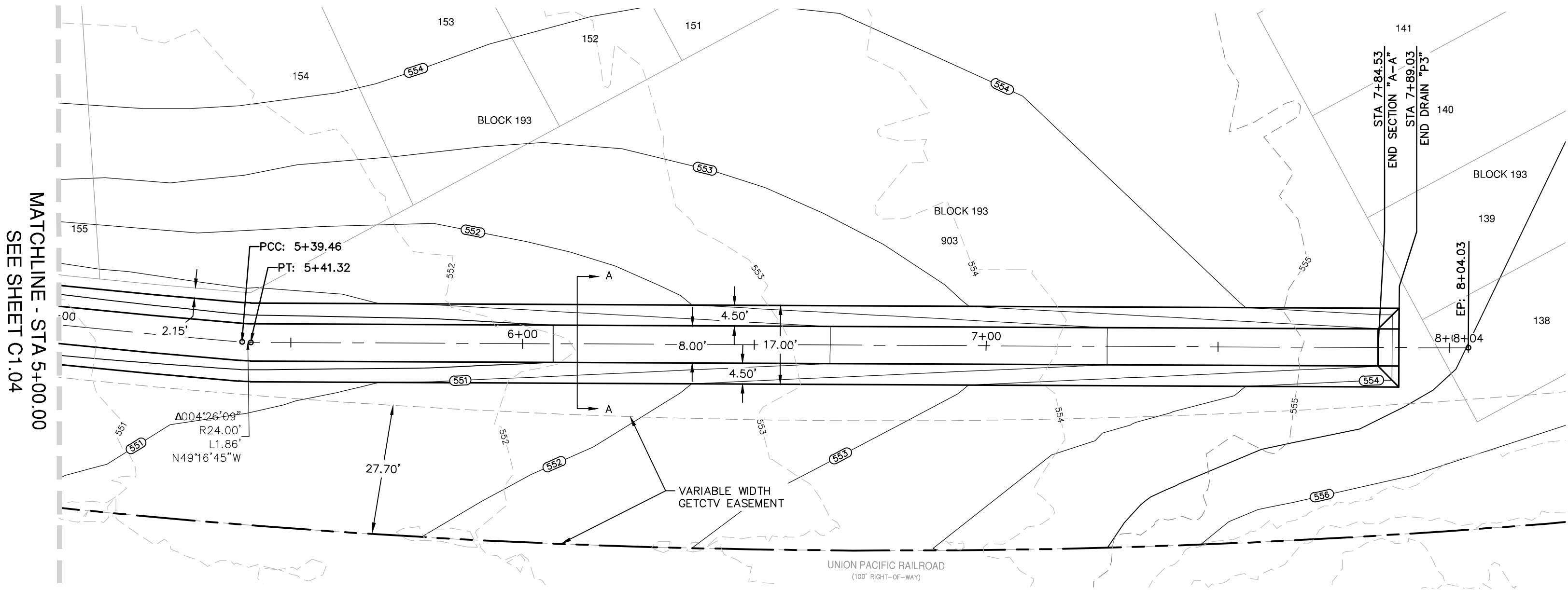


**PAPE-DAWSON
ENGINEERS**

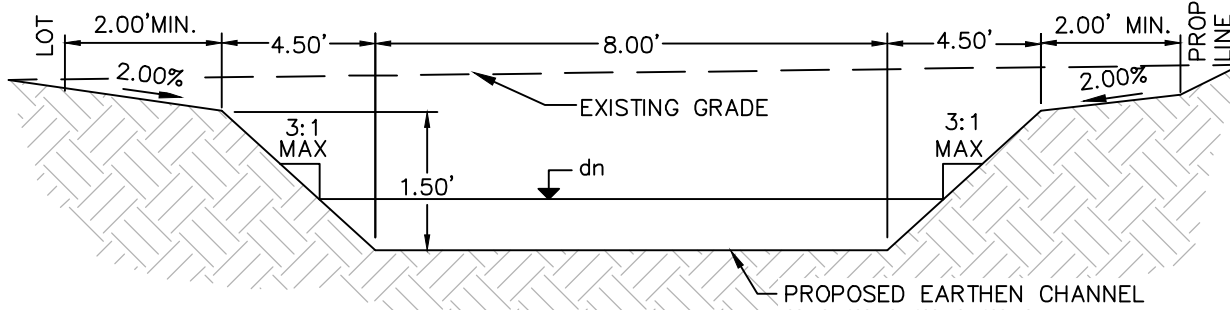
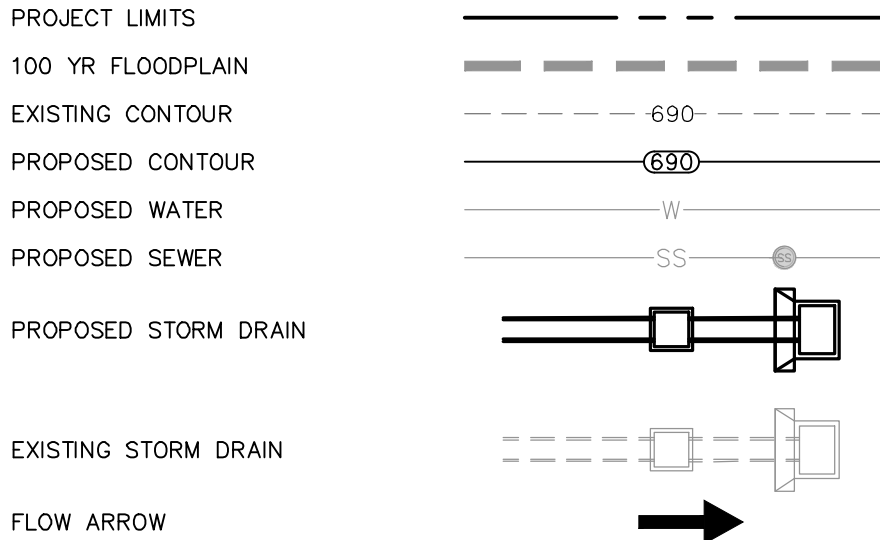
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
INTERCEPTOR DRAIN P3 PLAN & PROFILE
(STA. 1+15.00 TO 5+00.00)

PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	MAY 2024
DESIGNER	BK
CHECKED	DW DRAWN JR
SHEET	C1.04



DRAINAGE LEGEND



SECTION "A-A"
NOT TO SCALE
STA. 1+28.25 - 7+84.53

HYDRAULIC CALCULATIONS EARTHEN CHANNEL STA. 1+15.00 TO 5+80.00

Q25 = 26.0 CFS
Bw = 8.00'
n = 0.035
S = 0.50%
D = 1.50'
dn = 0.97'
V = 2.46 FPS
 $\tau = 0.23 \text{ LB/FT}^2$

HYDRAULIC CALCULATIONS EARTHEN CHANNEL STA. 5+80.00 TO 7+84.53

Q25 = 26.0 CFS
Bw = 8.00'
n = 0.035
S = 1.67%
D = 1.50'
dn = 0.70'
V = 3.68 FPS
 $\tau = 0.59 \text{ LB/FT}^2$

DRAINAGE & GRADING NOTES:

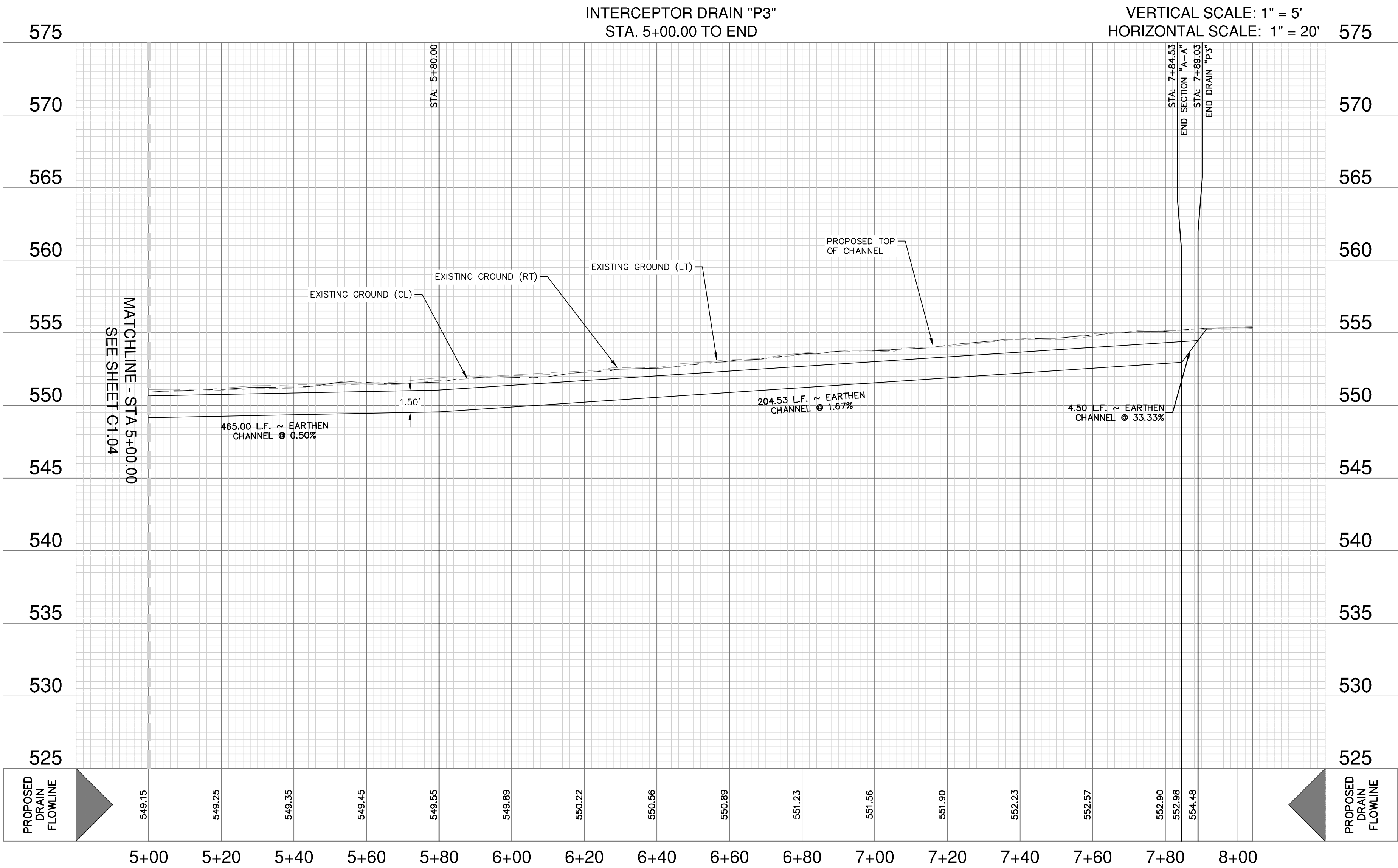
- A BEXAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY ROW. CONTRACTOR SHALL COORDINATE A TRAFFIC CONTROL PLAN FOR ALL WORK WITHIN THE ROW. ADDITIONAL WARNING SIGNS MAY BE RECOMMENDED BY THE ENGINEER ONCE THE ROADWAYS ARE CONSTRUCTED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING 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.
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- CONTRACTOR SHALL MATCH TOP OF CHANNEL TO NATURAL GROUND AND MAINTAIN A MINIMUM CHANNEL DEPTH OF "D" AS SHOWN IN THE PROFILE.

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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-TEST 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.

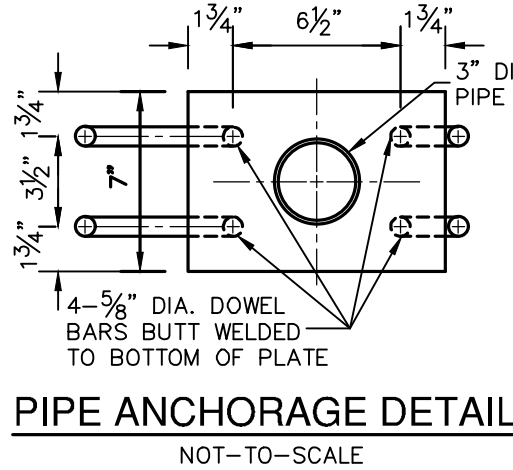


**PAPE-DAWSON
ENGINEERS**

2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

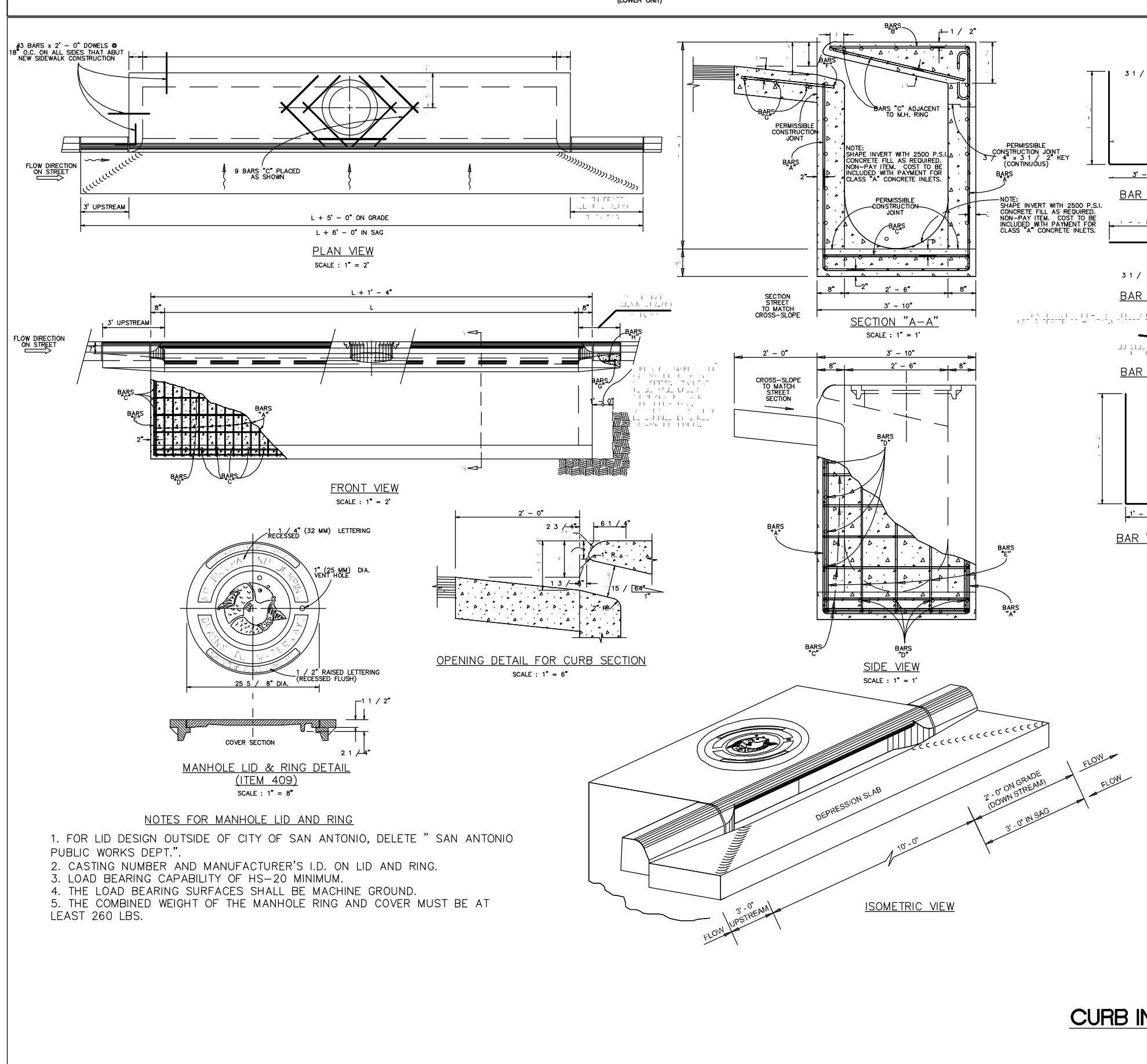
STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
INTERCEPTOR DRAIN P3 PLAN & PROFILE
(STA. 5+00.00 TO END)

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C1.05



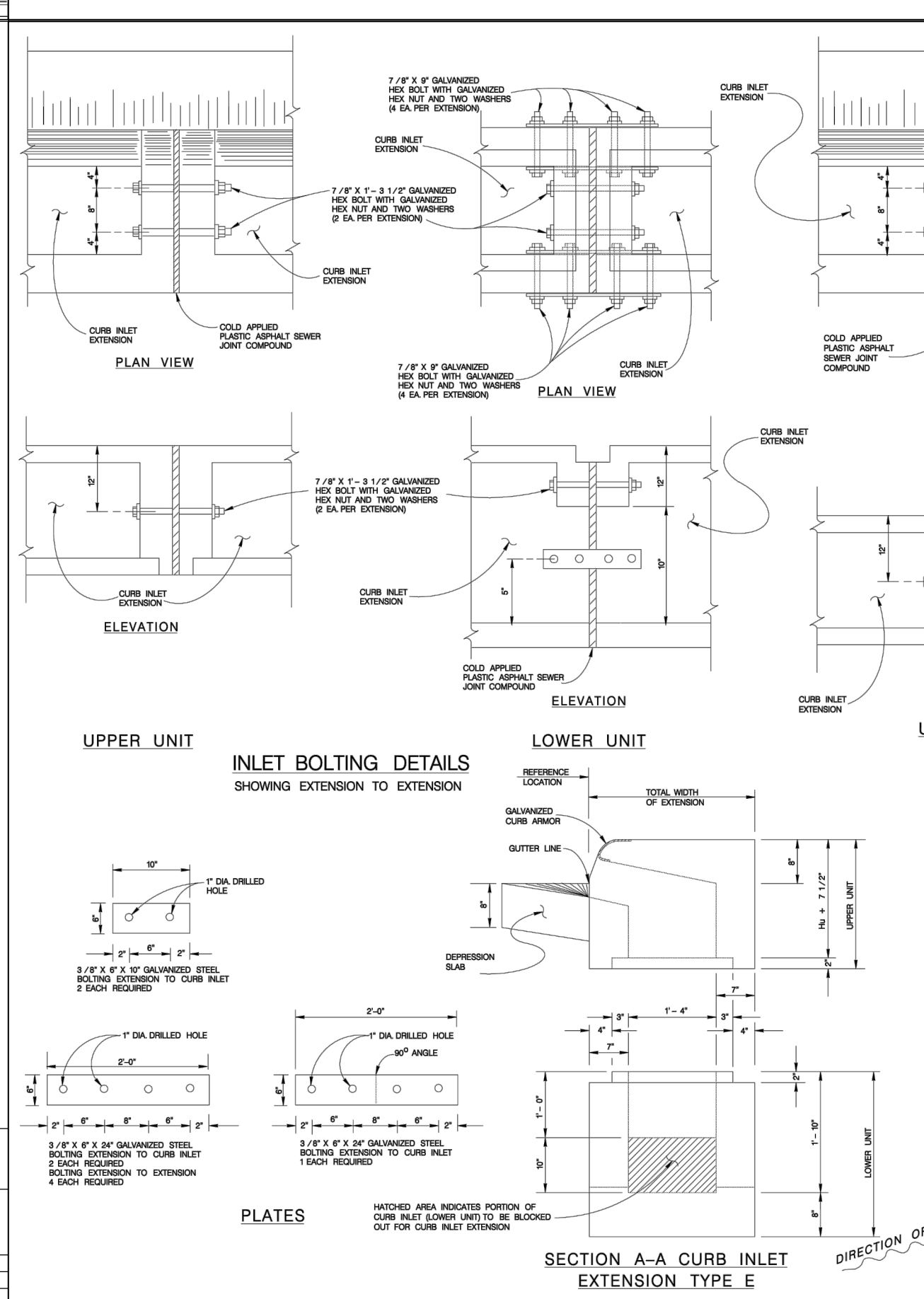
90° WELDING ELBOWS DETAIL

NOT-TO-SCALE



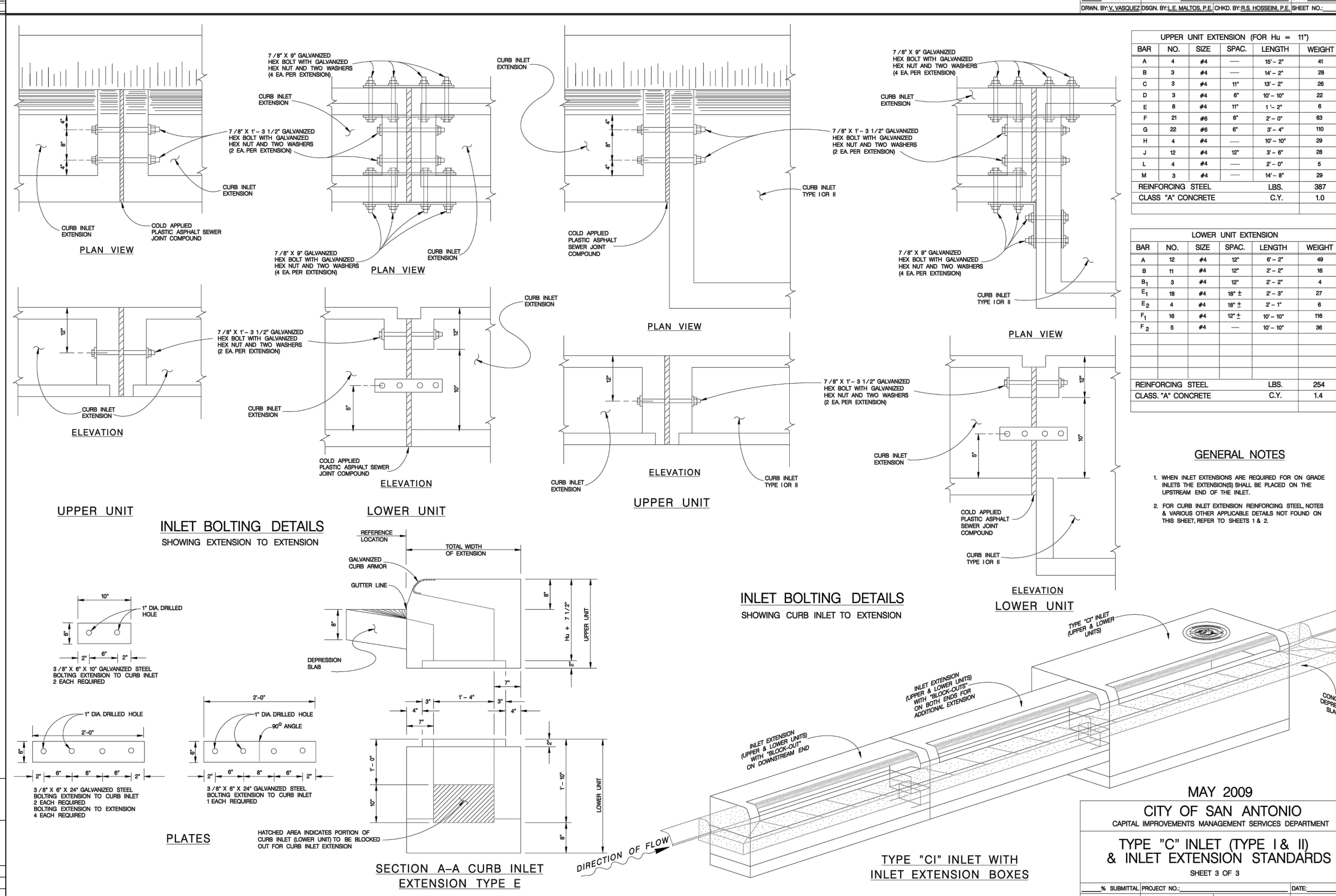
GENERAL NOTES

- | | | |
|---|--------------|-------|
| MAY 2009 | | |
| CITY OF SAN ANTONIO | | |
| CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT | | |
| TYPE "C" INLET (TYPE I & II) | | |
| & INLET EXTENSION STANDARD | | |
| SHEET 1 OF 3 | | |
| % SUBMITTAL | PROJECT NO.: | DATE: |

CLASS "A" CONCRETE QUANTITIES (FOR $H_U = 11''$)

-

MAY 2009		
CITY OF SAN ANTONIO		
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT		
TYPE "C" INLET (TYPE I & II)		
& INLET EXTENSION STANDARDS		
SHEET 2 OF 3		
% SUBMITTAL	PROJECT NO.:	DATE:

[illegible]

- ### GENERAL NOTES
1. WHEN INLET EXTENSIONS ARE REQUIRED FOR ON GRACE INLETS THE EXTENSIONS SHALL BE PLACED ON THE UPSTREAM END OF THE INLET.
 2. FOR CURB INLET EXTENSION REINFORCING STEEL NOTES & VARIOUS OTHER APPLICABLE DETAILS NOT FOUND ON

THIS SHEET, REFER TO SHEETS 1 & 2.

MAY 2009

CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

TYPE "C" INLET (TYPE I & II)
& INLET EXTENSION STANDARDS

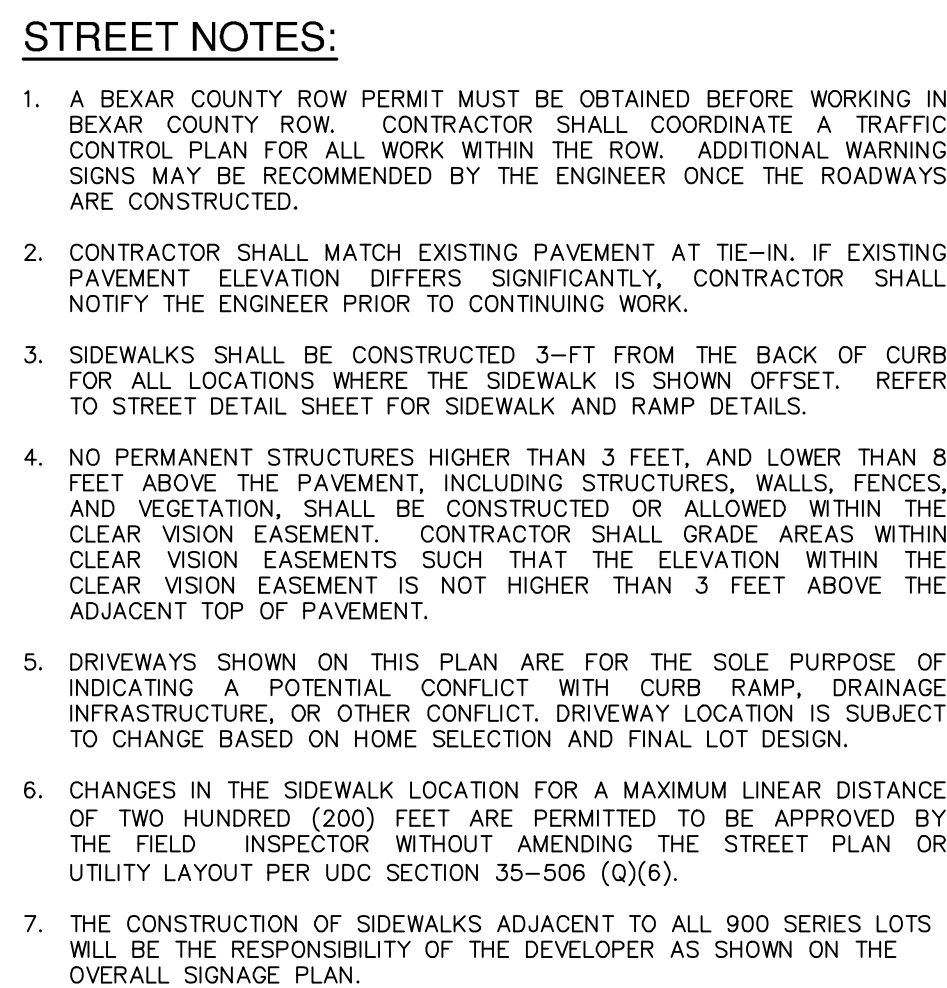
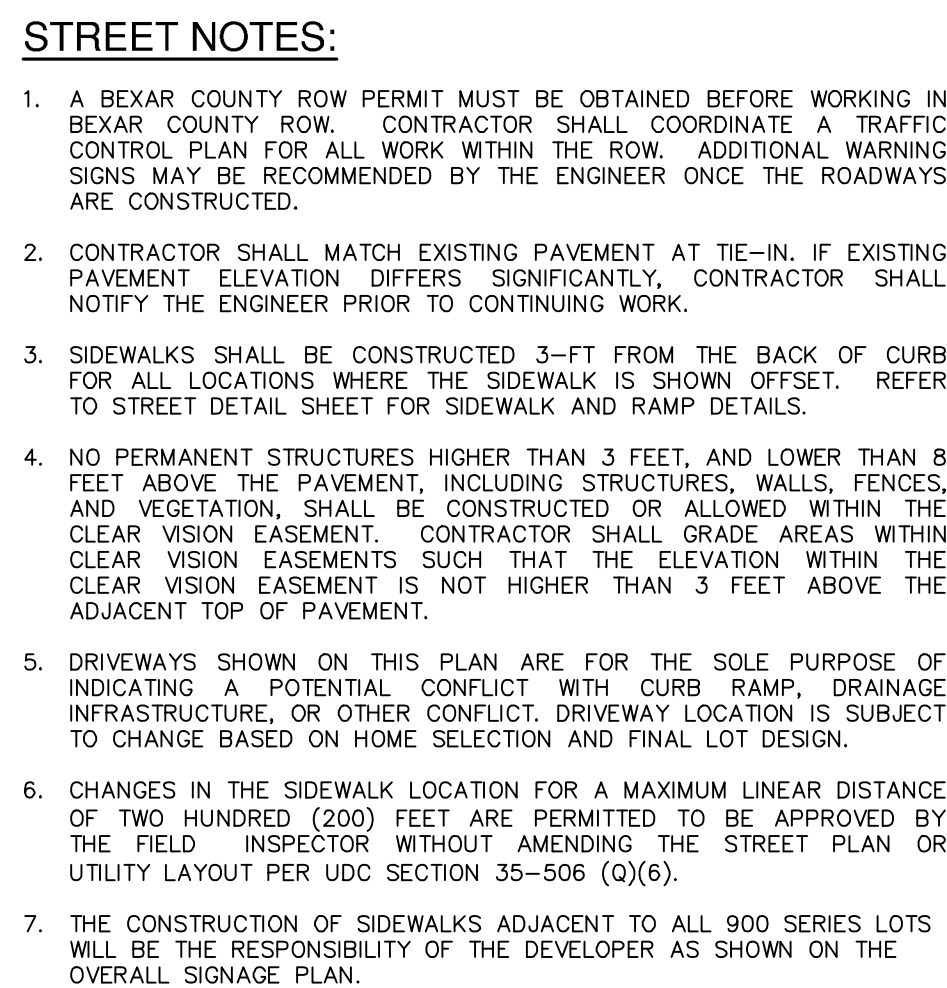
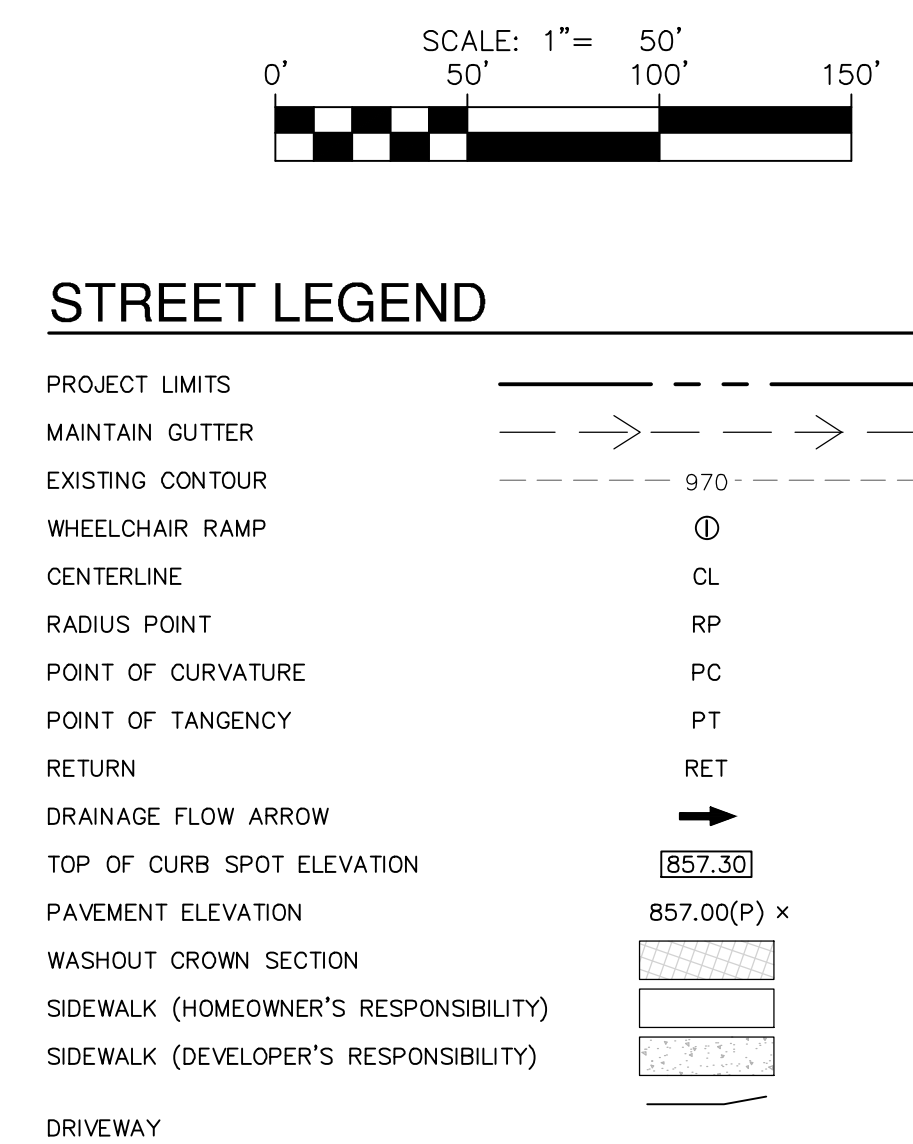
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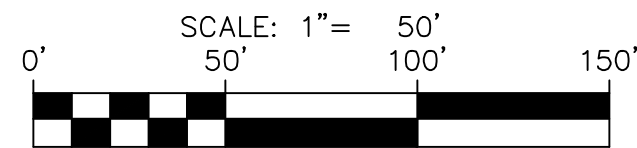
% SUBMITTAL PROJECT NO. _____ DATE: _____



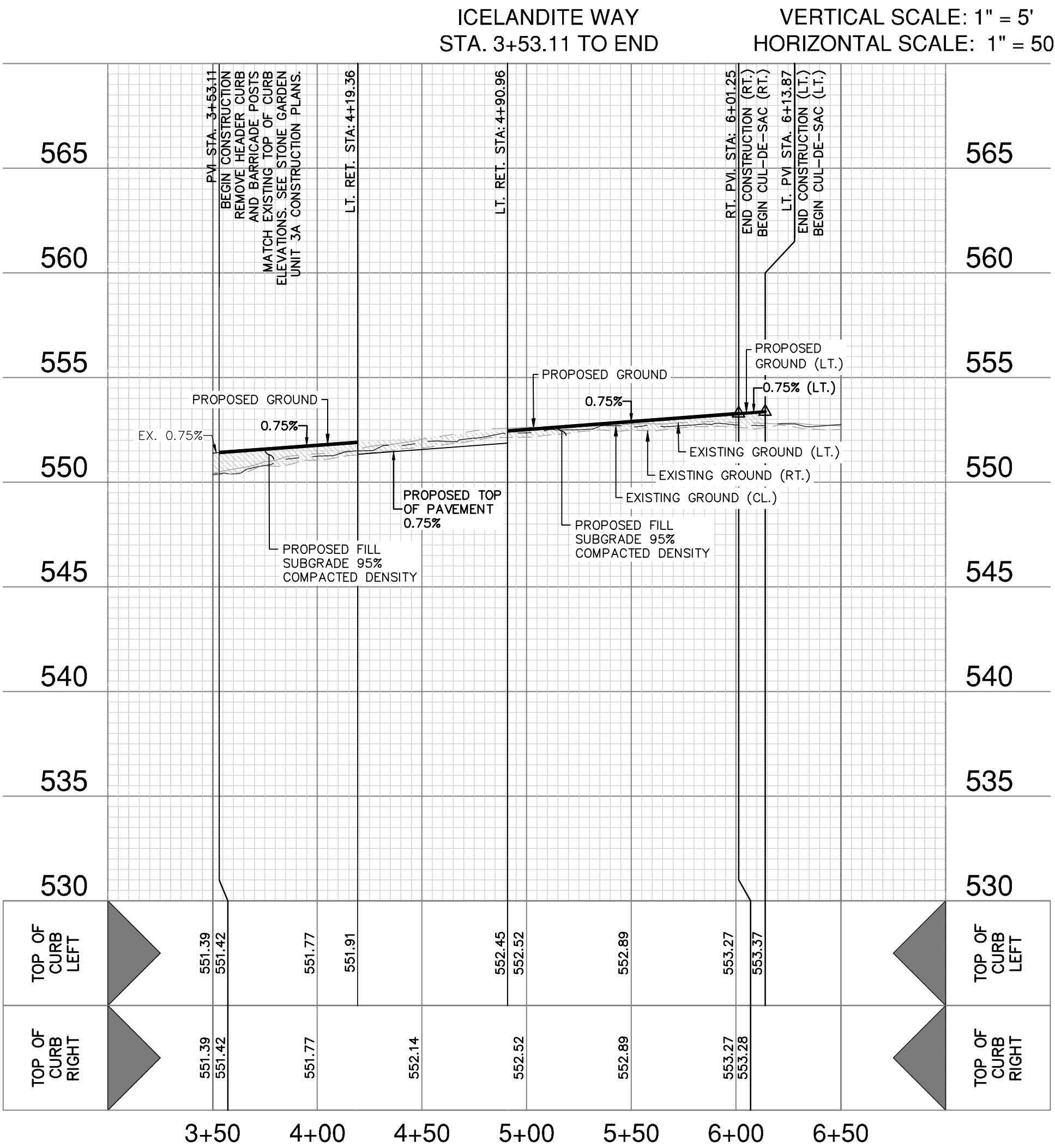
STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
DRAINAGE DETAILS

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE AUGUST 2023
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C1.06





PROJECT LIMITS	_____
MAINTAIN GUTTER	_____ → _____ →
EXISTING CONTOUR	----- 970
WHEELCHAIR RAMP	Ⓢ
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 (HOMEOWNER'S RESPONSIBILITY)	
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	
DRIVEWAY	_____



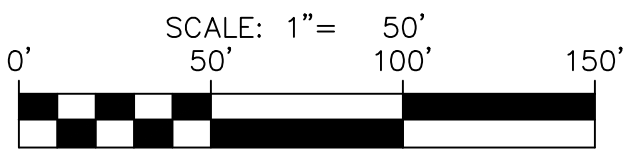
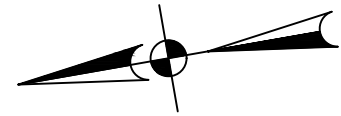
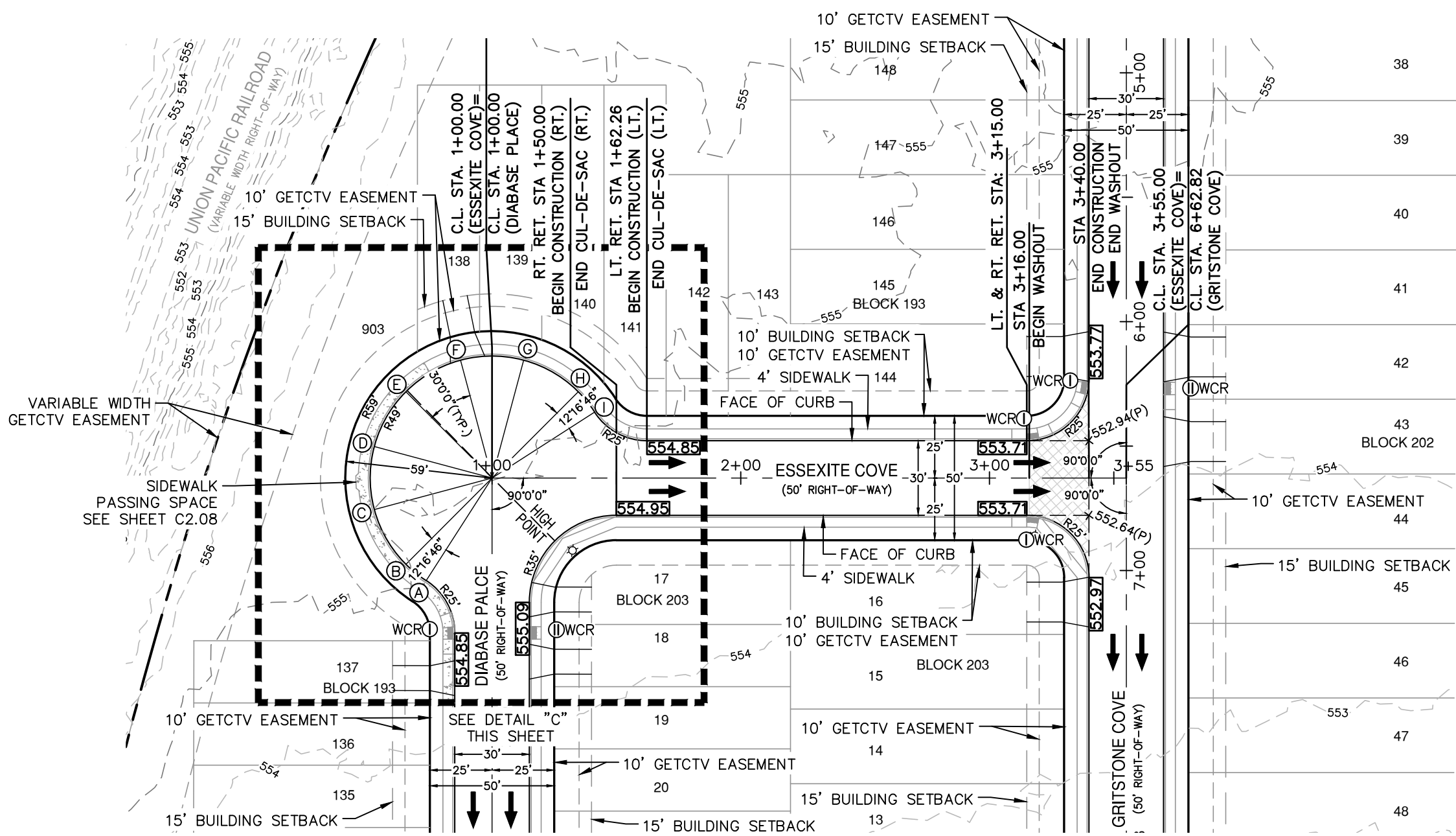
1. A BEAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN BEAR COUNTY ROW. CONTRACTOR SHALL COORDINATE A TRAFFIC CONTROL PLAN WITH BEAR COUNTY ROW DEPARTMENT. ADDITIONAL WARNING SIGNS MAY BE RECOMMENDED BY THE ENGINEER ONCE THE ROADWAYS ARE CONSTRUCTED.
2. CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN. IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
3. SIDEWALKS SHALL BE CONSTRUCTED 3-FT FROM THE BACK OF CURB FOR ALL LOCATIONS. THE LOCATION SHALL BE SHOWN OFF-PLAN, REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
4. 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. THE ELEVATION SHALL BE SHOWN OFF-PLAN. CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
5. DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP. THE EXISTING AND PROPOSED DRIVEWAY LOCATIONS AND LOCATIONS IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
6. 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).
7. THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN.

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

ICELANDITE WAY PLAN & PROFILE
(STA. 3+53.11 TO END)

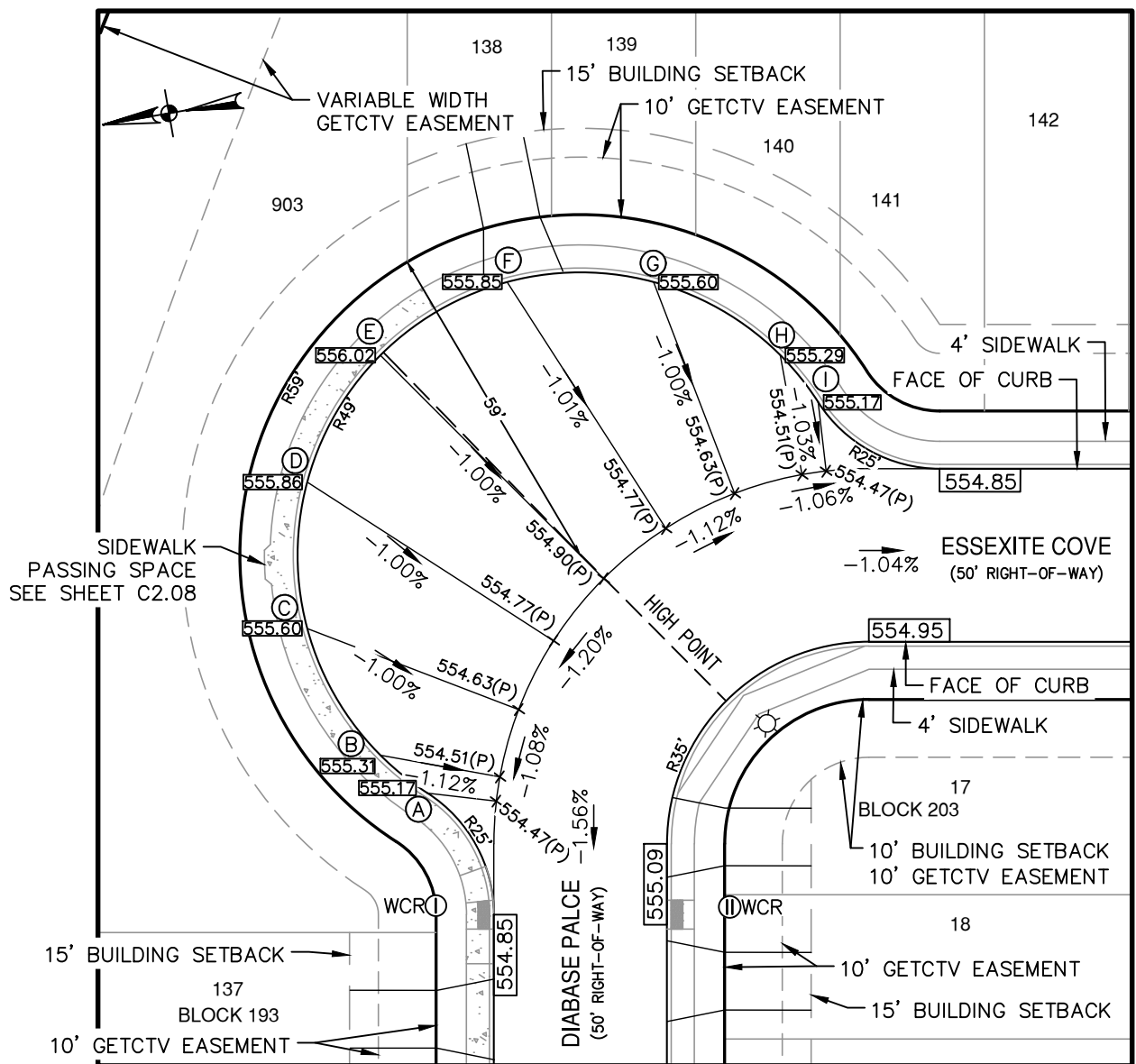
PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C2.01

Date: April 26, 2023, 3:21 PM - User ID: jramos
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STREET LEGEND

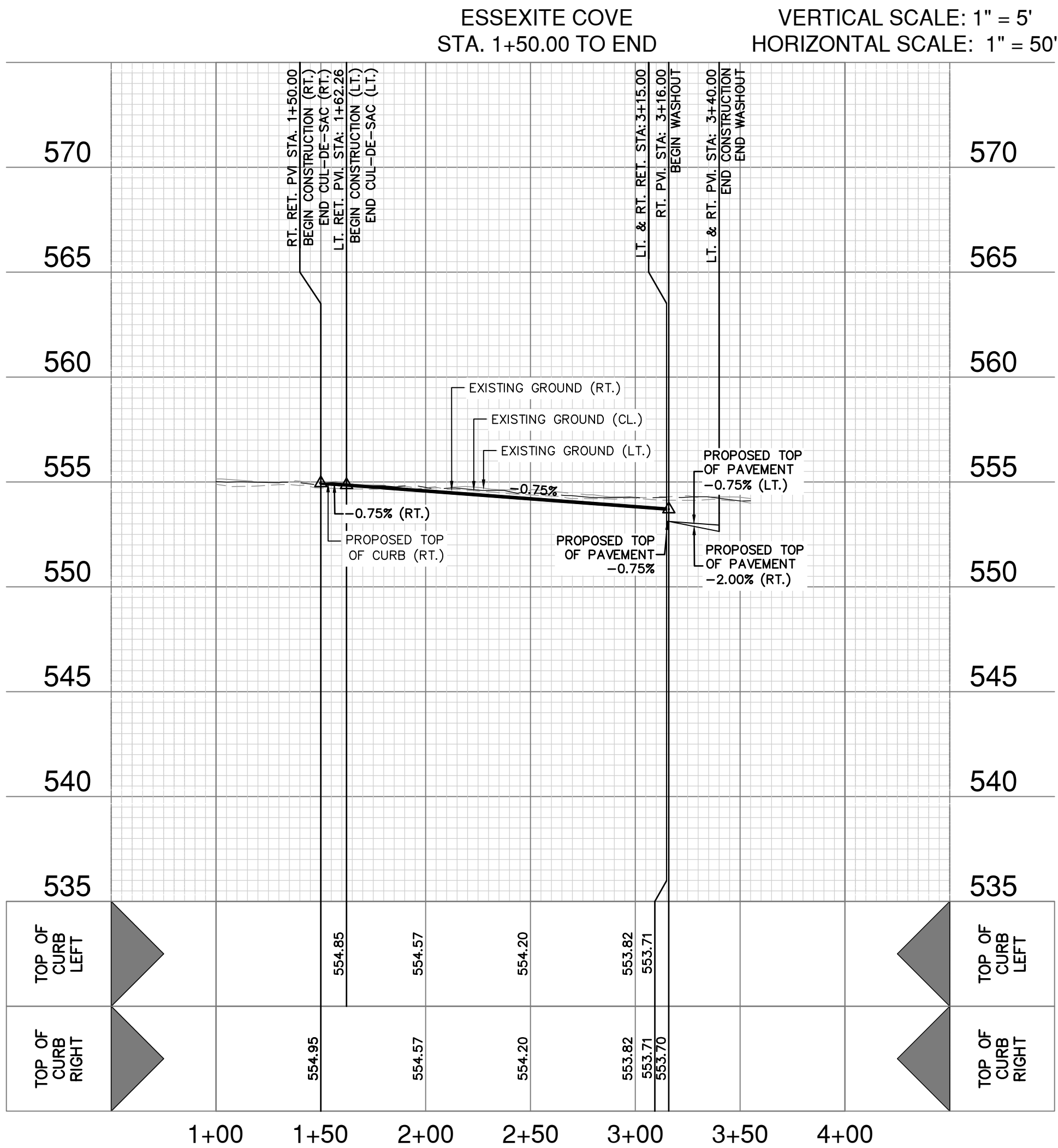
PROJECT LIMITS	---
MAINTAIN GUTTER	→
EXISTING CONTOUR	--- 970 ---
WHEELCHAIR RAMP	⊕
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	→
TOP OF CURB SPOT ELEVATION	857.30
PAVEMENT ELEVATION	857.00(P) x
WASHOUT CROWN SECTION	857.00(P) x
SIDEWALK (HOMEOWNER'S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



DETAIL "C"
SCALE: 1" = 30'

STREET NOTES:

- A BEXAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN 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.
- 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).
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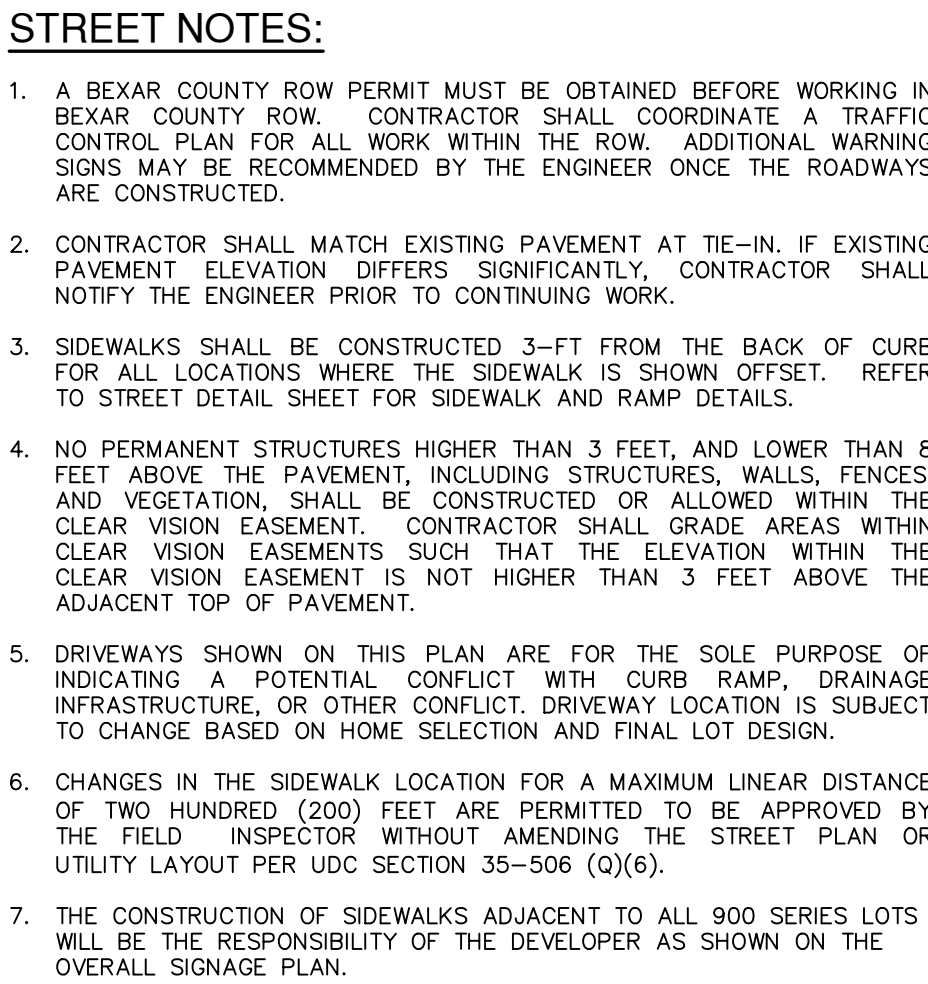
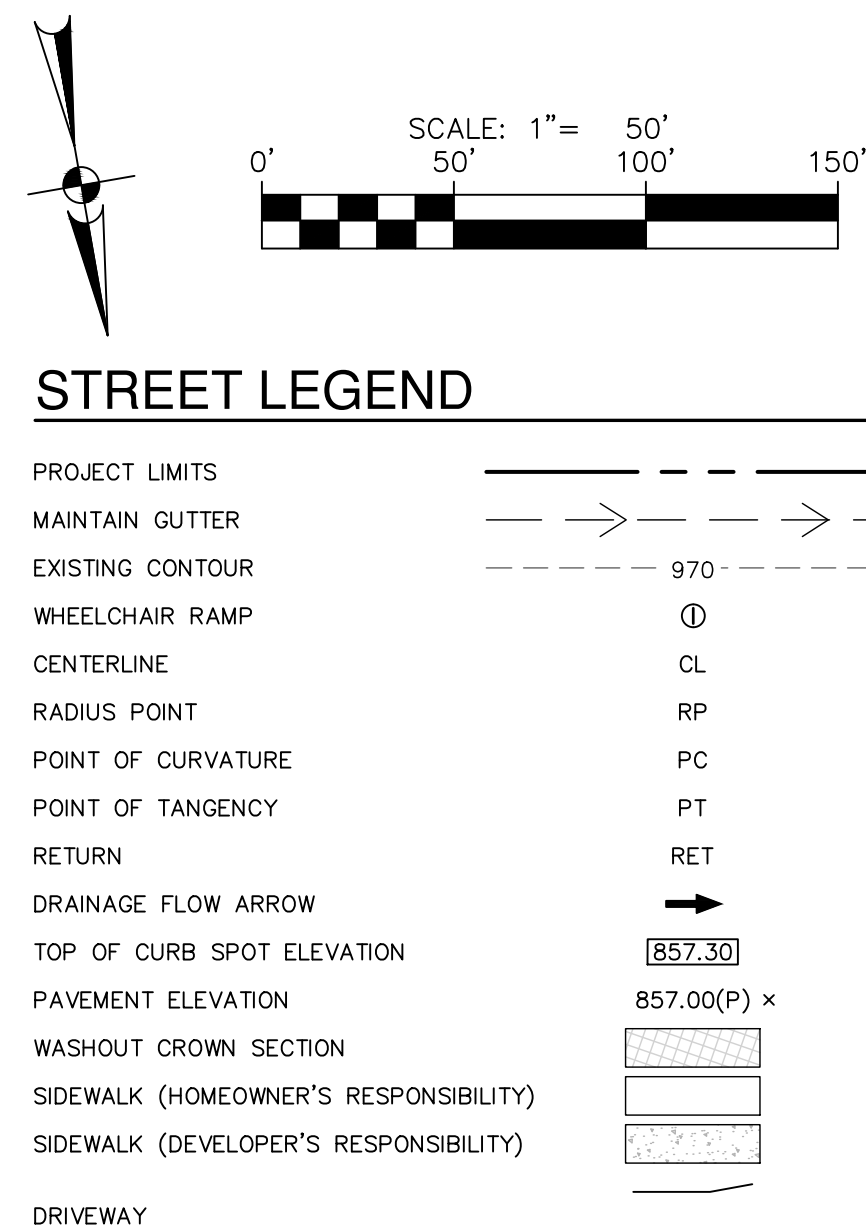
**PAPE-DAWSON
ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

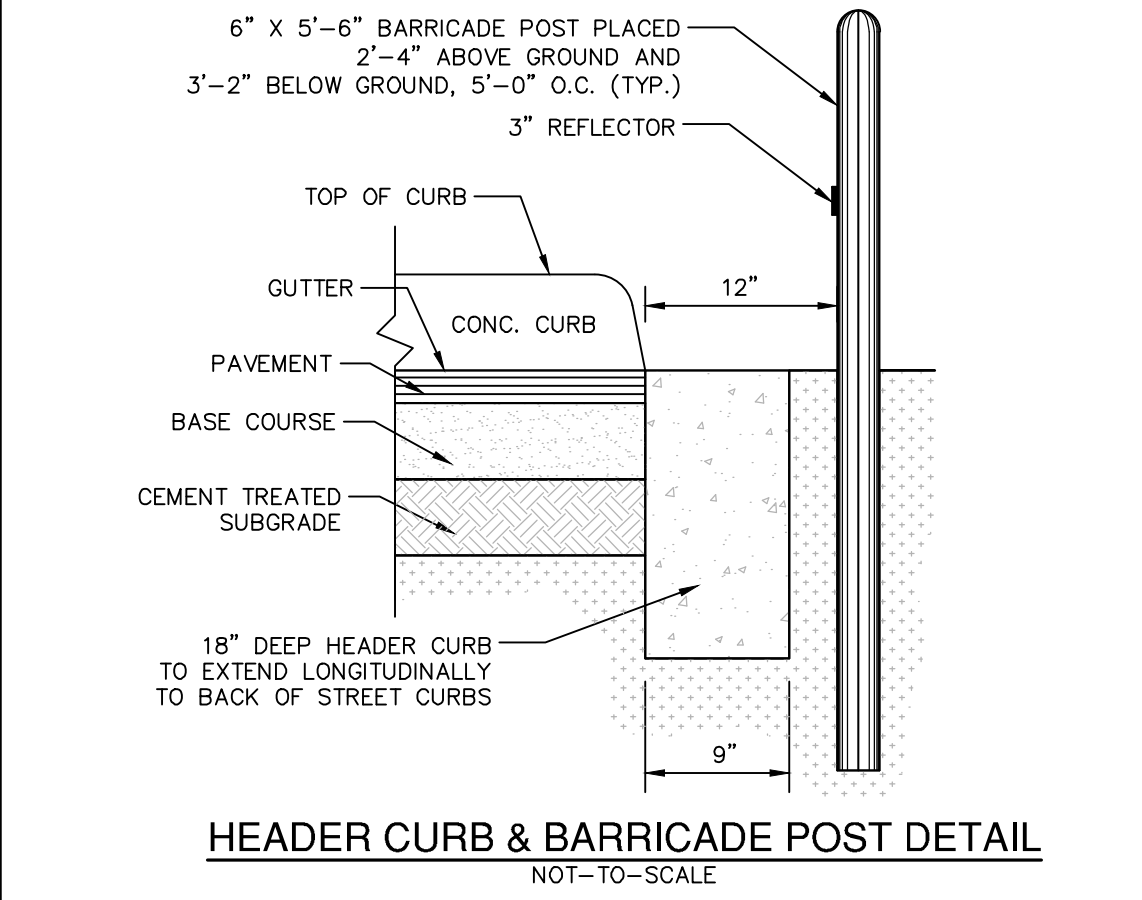
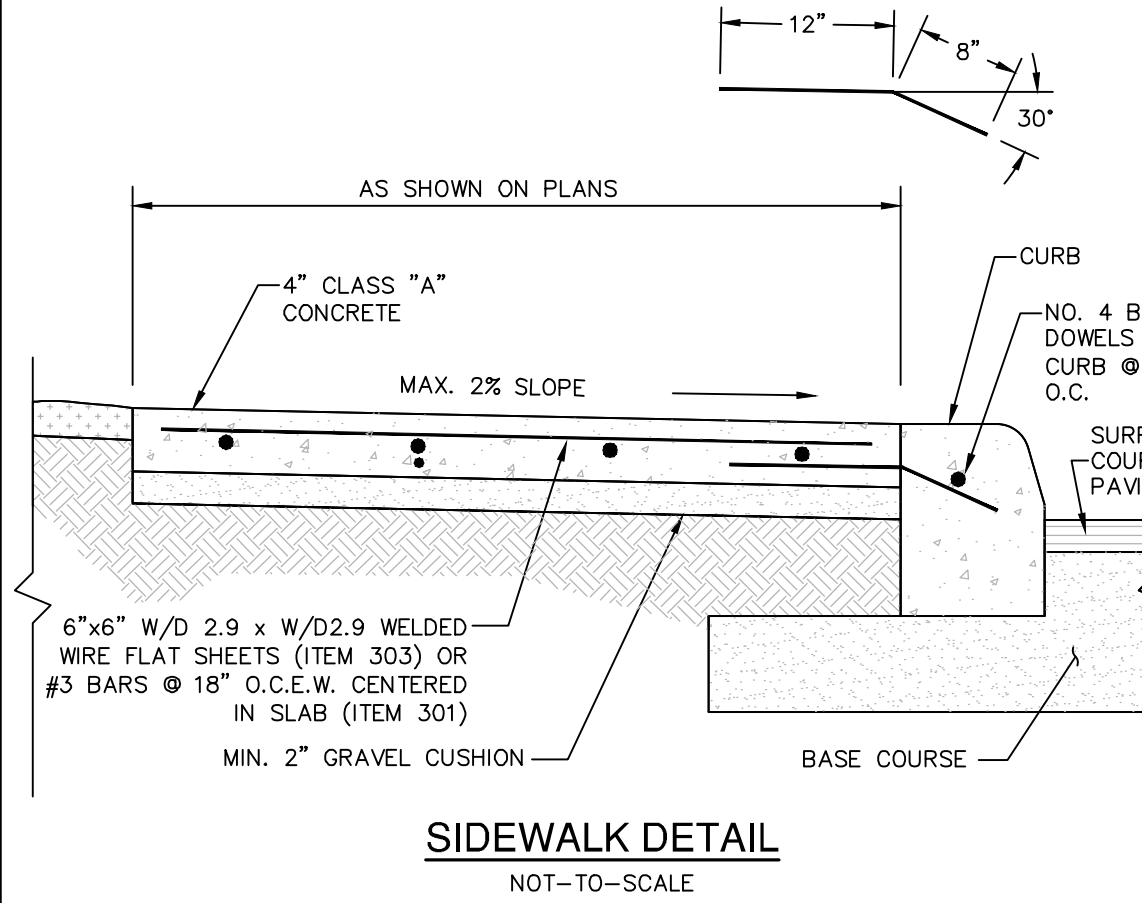
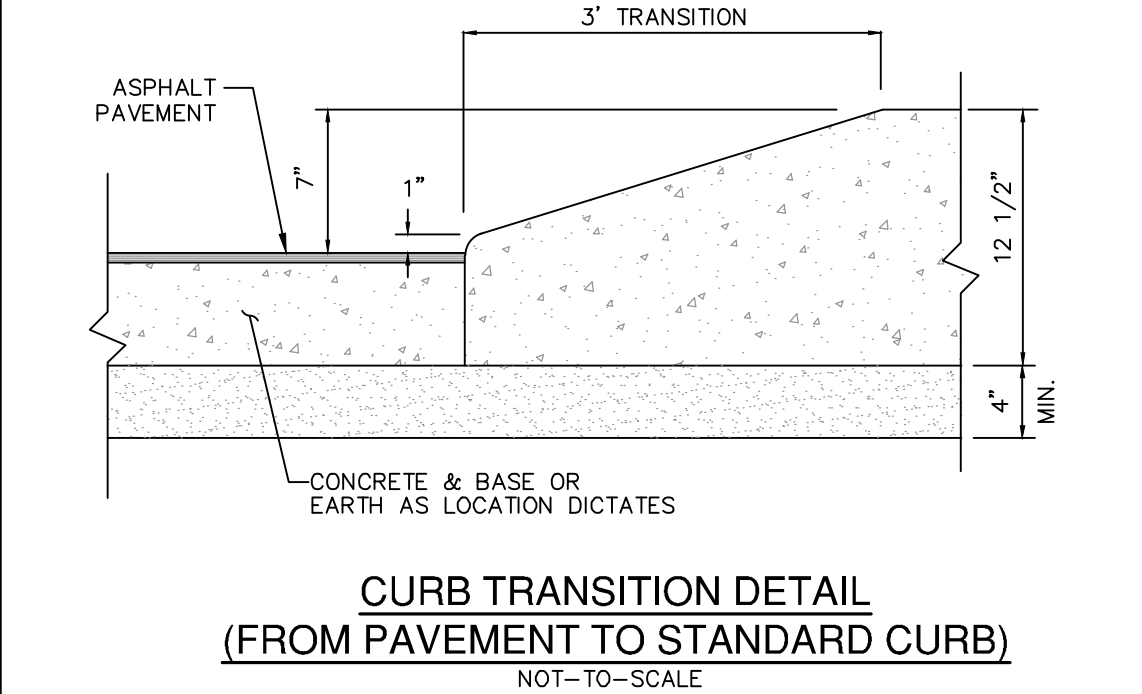
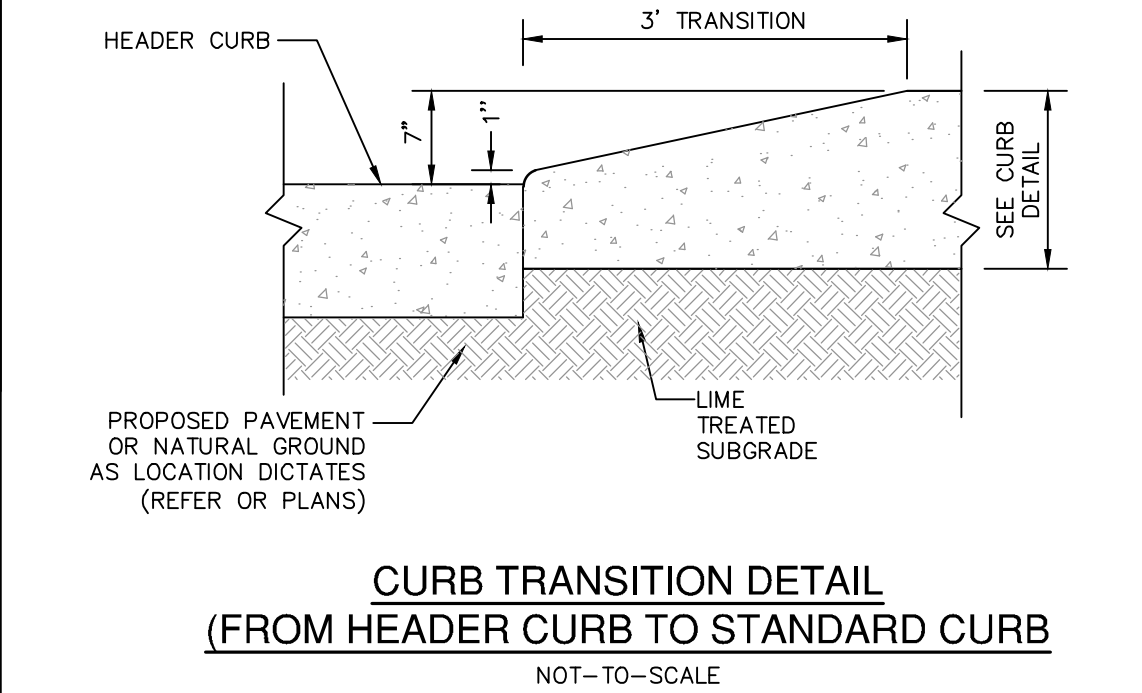
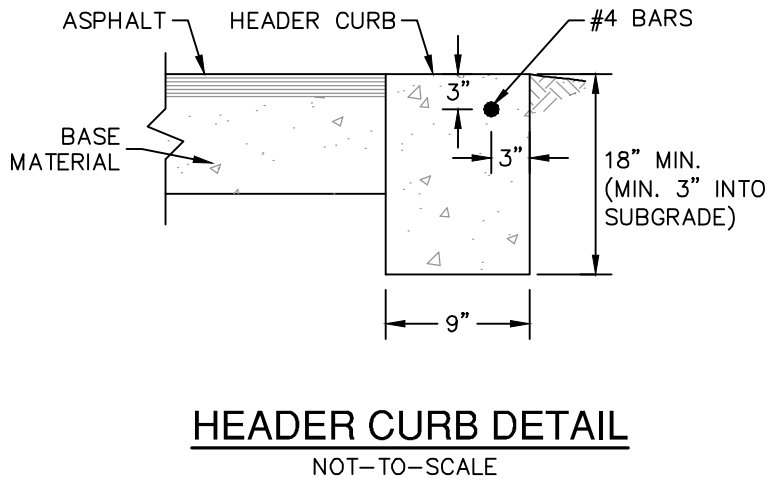
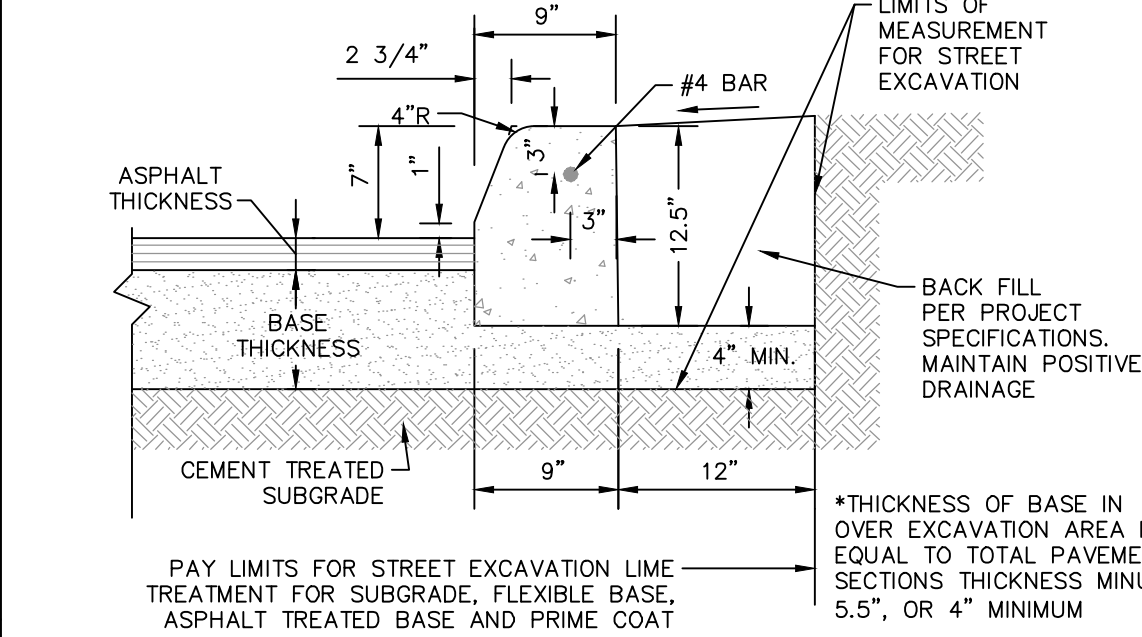
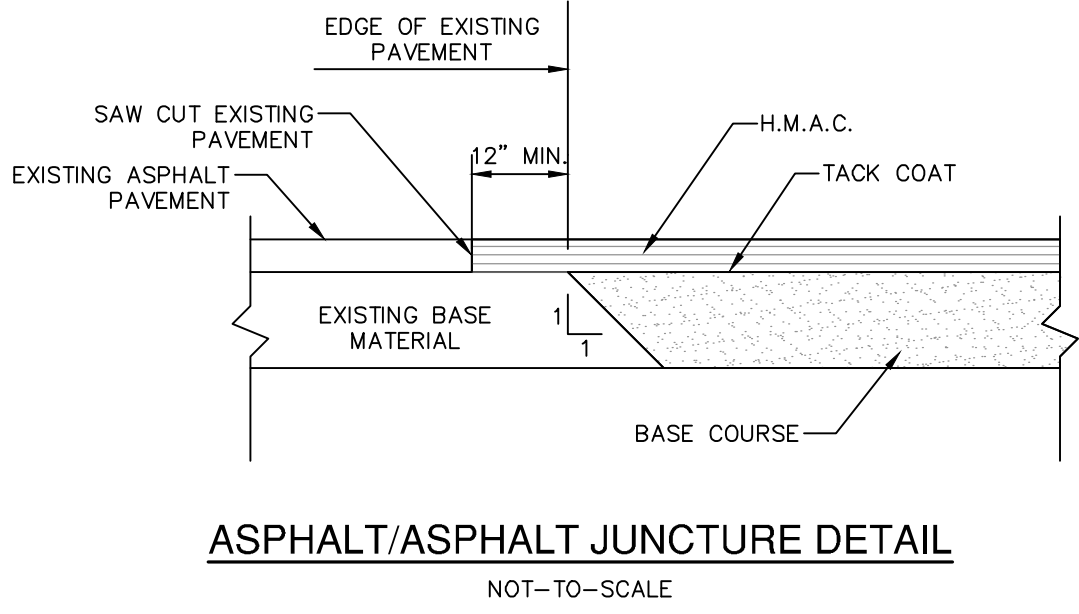
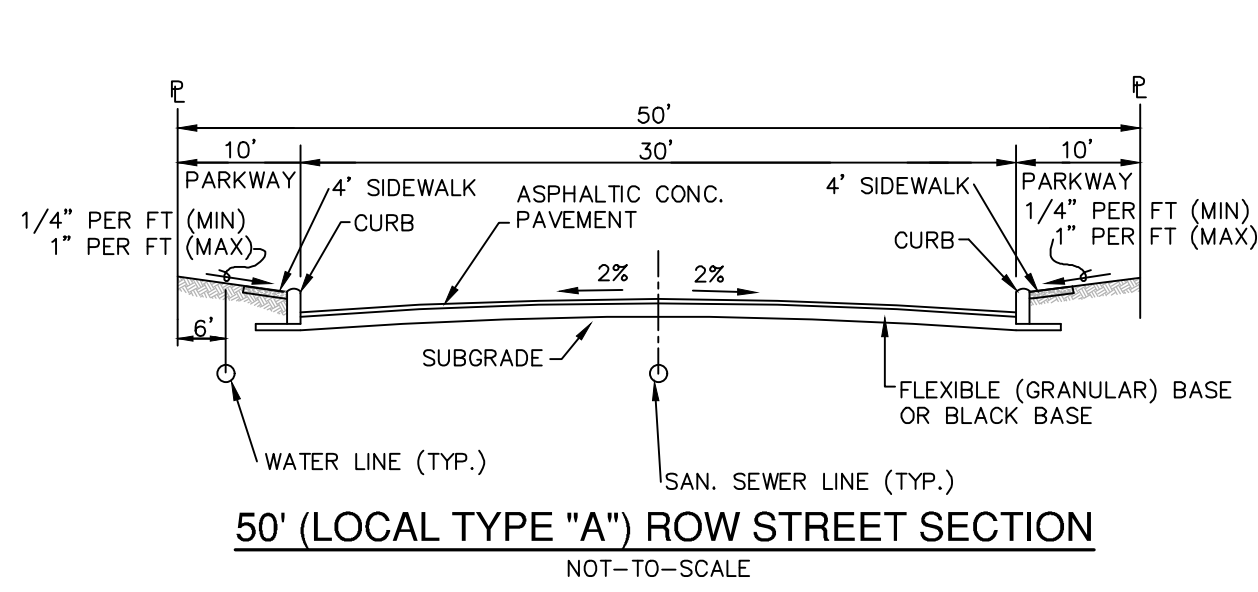
STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

ESSEXITE COVE PLAN & PROFILE
(STA. 1+50.00 TO END)

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE FEBRUARY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C2.02



PAVEMENT SECTION DETAIL									
STREET NAME	STATION	TYPE "D" HMA	TYPE "C" HMA	GANULAR BASE COURSE	CEMENT TREATED SUBGRADE	GEOGRID (TENSAR TRIAX TX5)	CBR	STRUCTURAL NUMBER	
LAMPROITE GARDEN	4+77.72 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28
ICELANDITE WAY	3+53.11 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28
ESSEXITE COVE	1+50.00 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28
DOLOMITE PLACE	1+14.68 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28
GRITSTONE COVE	1+51.86 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28
DIABASE PLACE	1+50.00 TO END (LOCAL A)	2.0"	—	10"	6"	NO	4.0	2.0(.44) = 0.88 10(.14) = 1.40	2.28



- GENERAL NOTES:**
- CONTRACTOR SHALL REFERENCE THE PROJECT PAVEMENT DESIGN REPORT PREPARED BY **TTL, INC.**, DATED **MARCH 14, 2024**.
 - 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 CEMENT TREATMENT IS REQUIRED.
 - GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE.
 - EARTHWORK ACTIVITIES ON THE PROJECT SHOULD BE OBSERVED AND EVALUATED BY TTL PERSONNEL. THE EVALUATION SHOULD INCLUDE OBSERVATION AND TESTING OF ALL FILL AND BACKFILL SOILS PLACED AT THE SITE.
 - THE FLEXIBLE BASE COURSE SHOULD BE CRUSHED LIMESTONE CONFORMING TO 2014 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 4 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95 PERCENT OF THE MAXIMUM DR DENSITY DETERMINED IN ACCORDANCE WITH THE STANDARD COMPACTION EFFORT (ASTM D 698).
 - 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.
 - 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 FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 4. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. THE PI VALUE FOR COMPACTED FILL SHOULD BE BETWEEN 8 AND 15. 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 REFER TO THE SECTION 4.2 OF THE GEOTECH REPORT FOR REQUIREMENTS FOR THE PLACEMENT OF ON-SITE SOILS AND SELECT FILL MATERIALS.
 - 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 TREATMENT IS NEEDED AS PER BEXAR COUNTY REQUIREMENTS.
 - IF THE SUBGRADE PLASTICITY INDEX VALUE IS 20 OR LESS, SUBGRADE TREATMENT 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 (TEX114E)).
 - THE SUBGRADE SHOULD BE TREATED USING 6 PERCENT CEMENT TO A DEPTH OF 6 INCHES AS NOTED ABOVE.
 - THE SUBGRADE SOILS SHOULD BE TESTED FOR SOIL SULFATE CONTENT PRIOR TO TREATMENT. IF THE SOIL SULFATE CONTENT IS HIGH, AN ALTERNATE PROCEDURE / RECOMMENDATION WILL BE NEEDED.
 - CEMENT APPLICATION RATE OF 33 LBS PER SQ YARD FOR 6 INCH DEPTH OF TREATMENT 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 4. THE PI VALUE FOR COMPACTED FILL SHOULD BE BETWEEN 8 AND 15. CEMENT 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. CONTRACTOR TO REFER TO THE SECTION 4.2 OF THE GEOTECH REPORT FOR REQUIREMENTS FOR THE PLACEMENT OF ON-SITE SOILS AND SELECT FILL MATERIALS.
 - THE SUBGRADE SHOULD BE PROOF ROLLED TO IDENTIFY SOFT AREAS BEFORE TREATMENT.

DATE	
NO.	
REVISION	



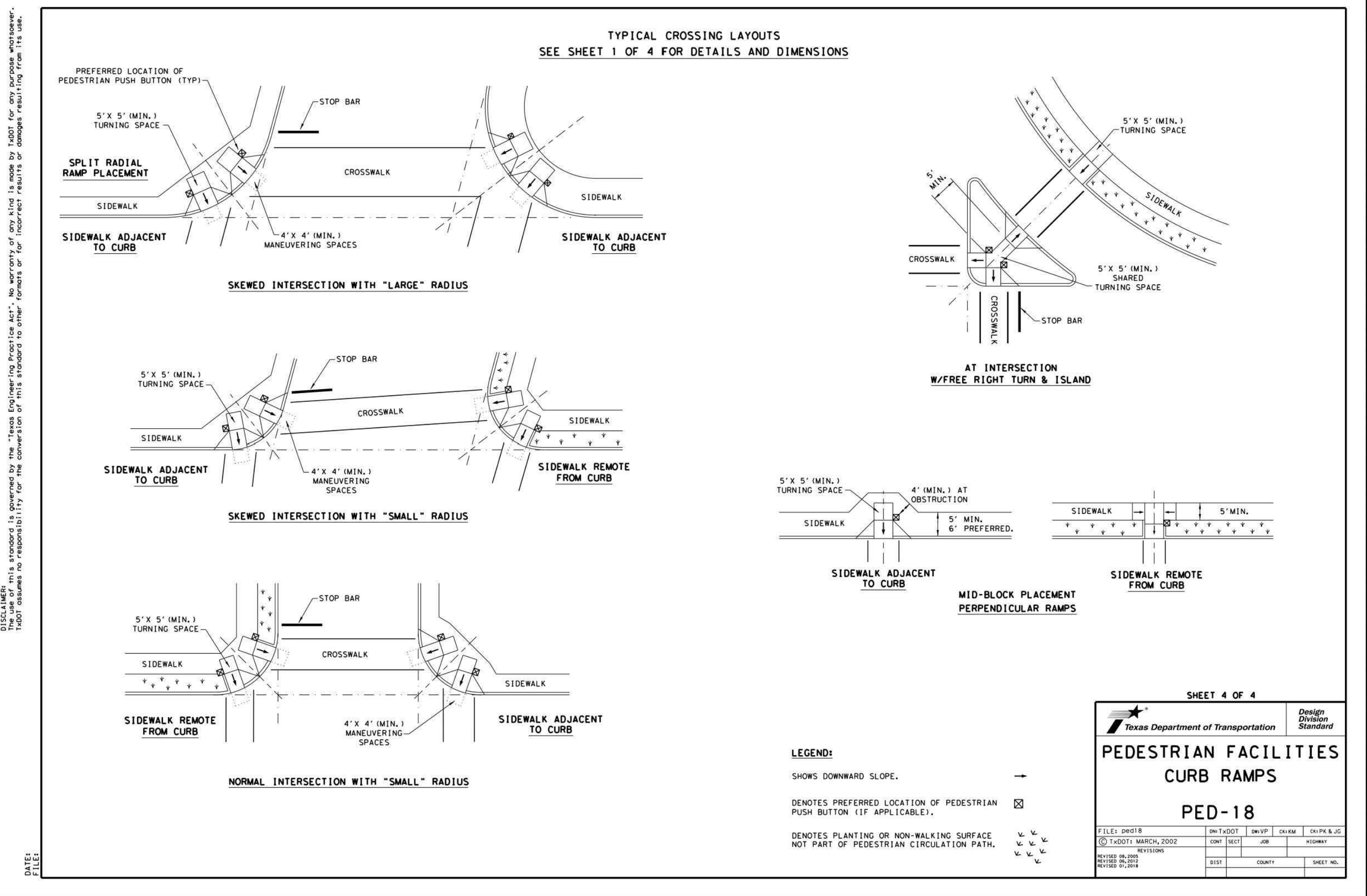
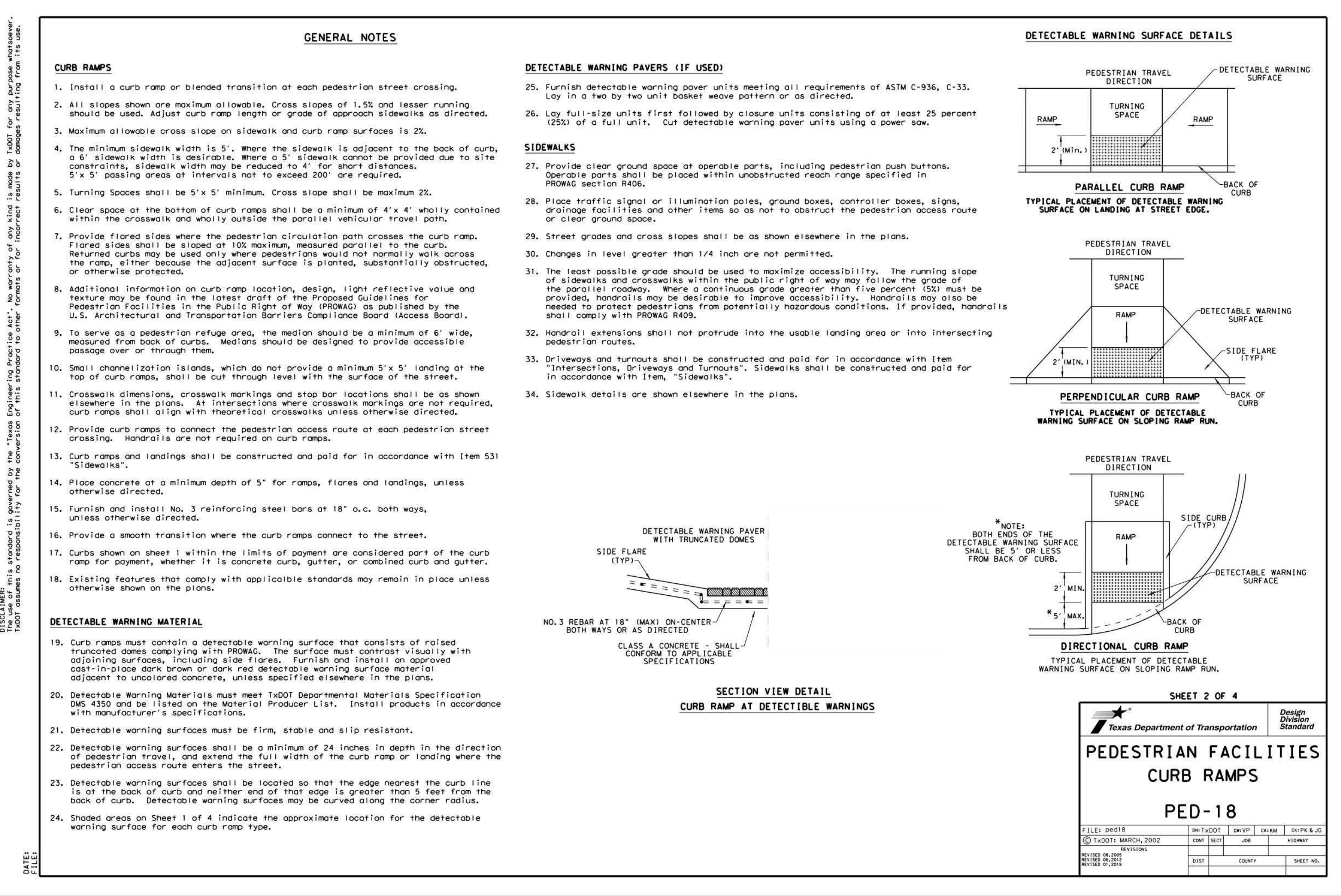
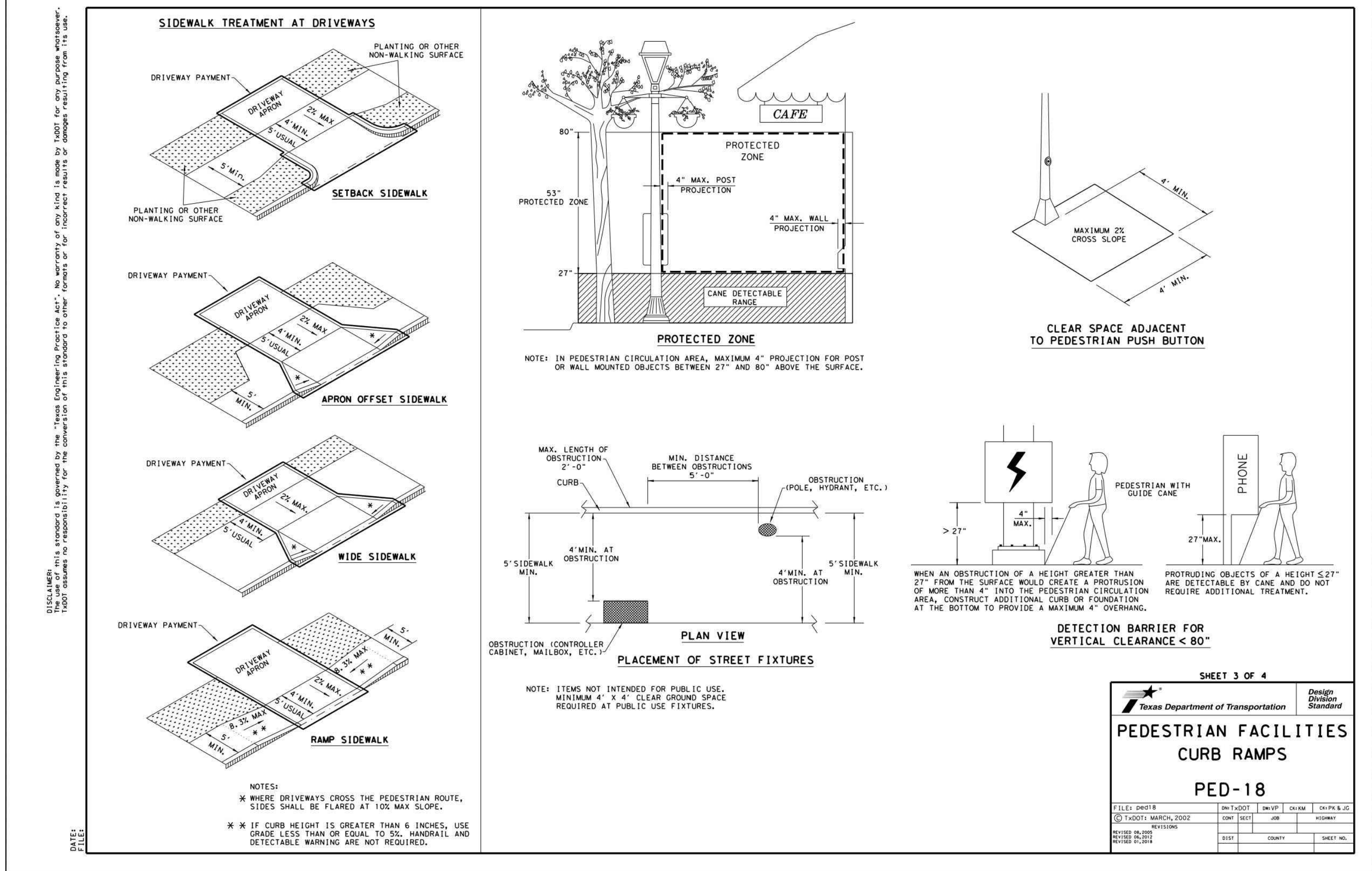
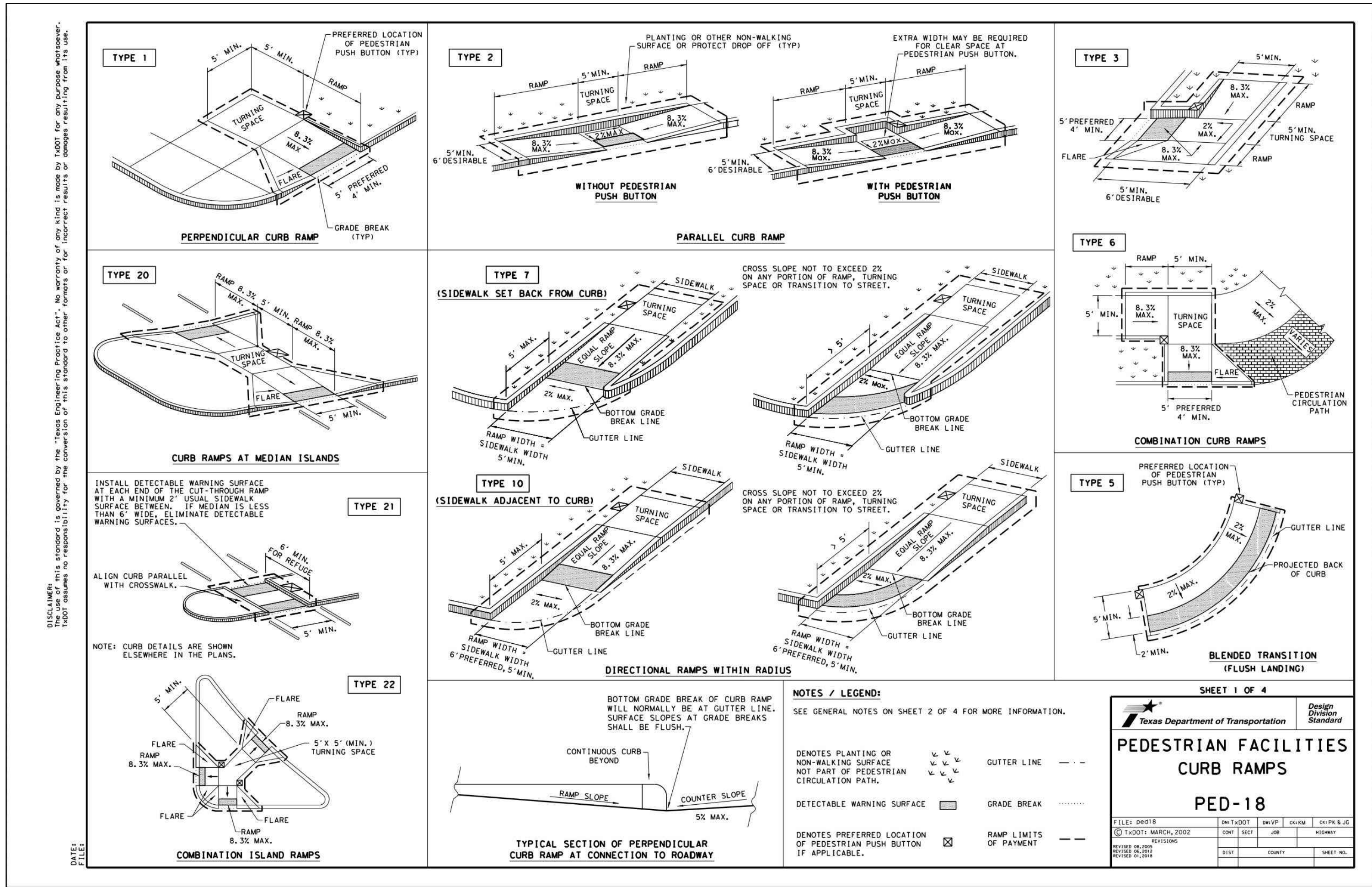
PAPE-DAWSON ENGINEERS

2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

STREET DETAILS

PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	MAY 2024
DESIGNER	BK
CHECKED	DW
DRAWN	JR
SHEET	C2.06



NO.

REVISION

DATE

8/4/2023

STATE OF TEXAS

EUGENIE H. DAWSON III

112792

PROFESSIONAL ENGINEER

PAPE-DAWSON

ENGINEERS

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

TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

PLAT NO.

23-11800212

JOB NO.

12482-10

DATE

AUGUST 2023

DESIGNER

BK

CHECKED

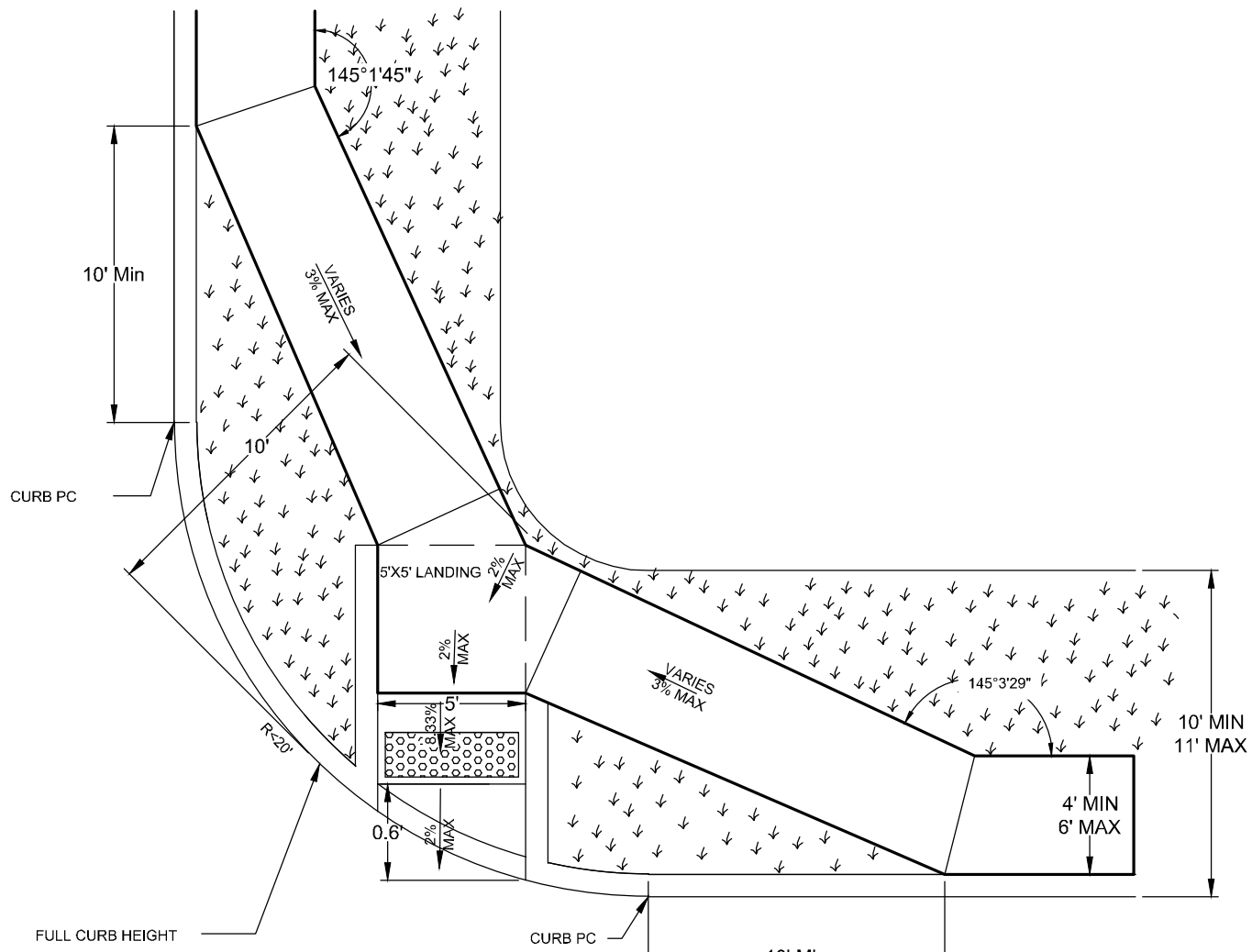
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DRAWN

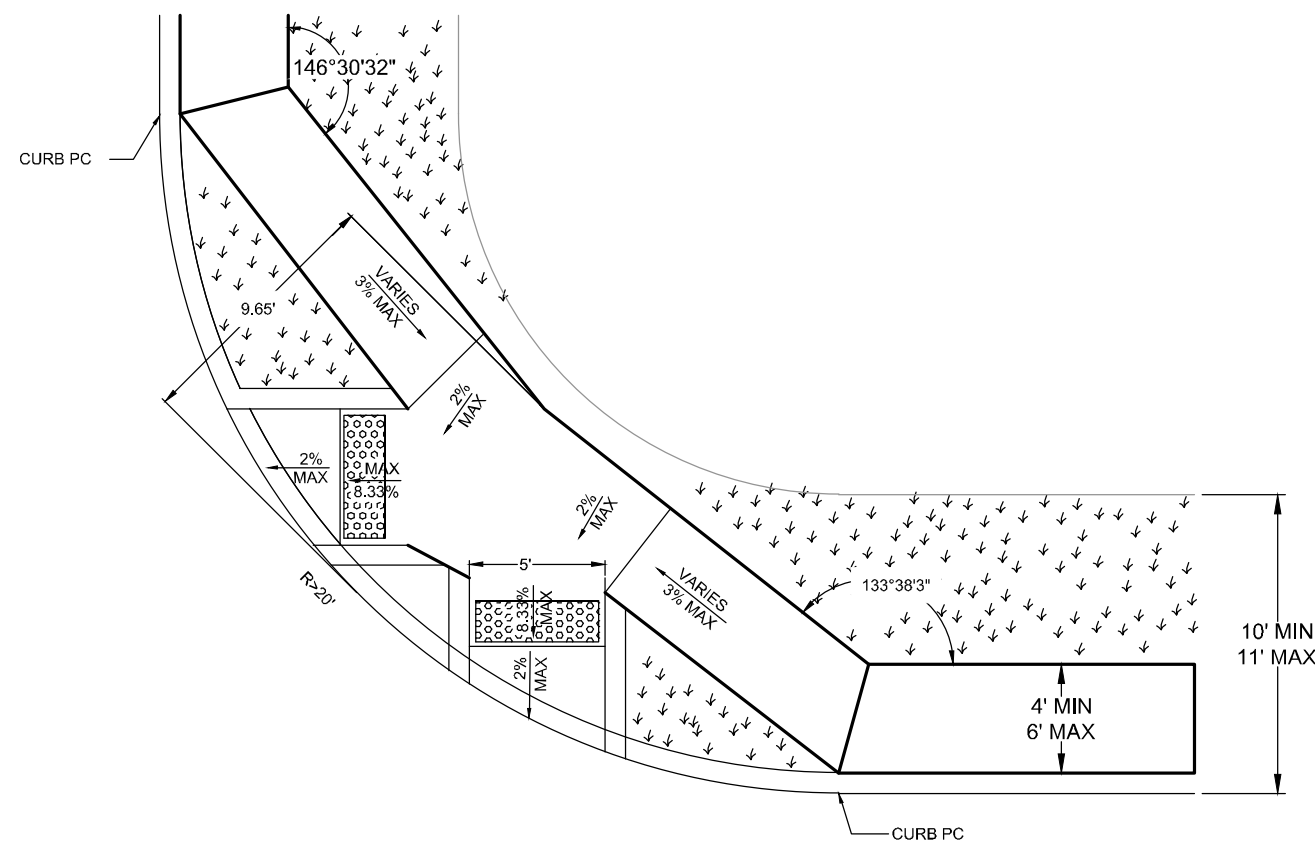
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SHEET

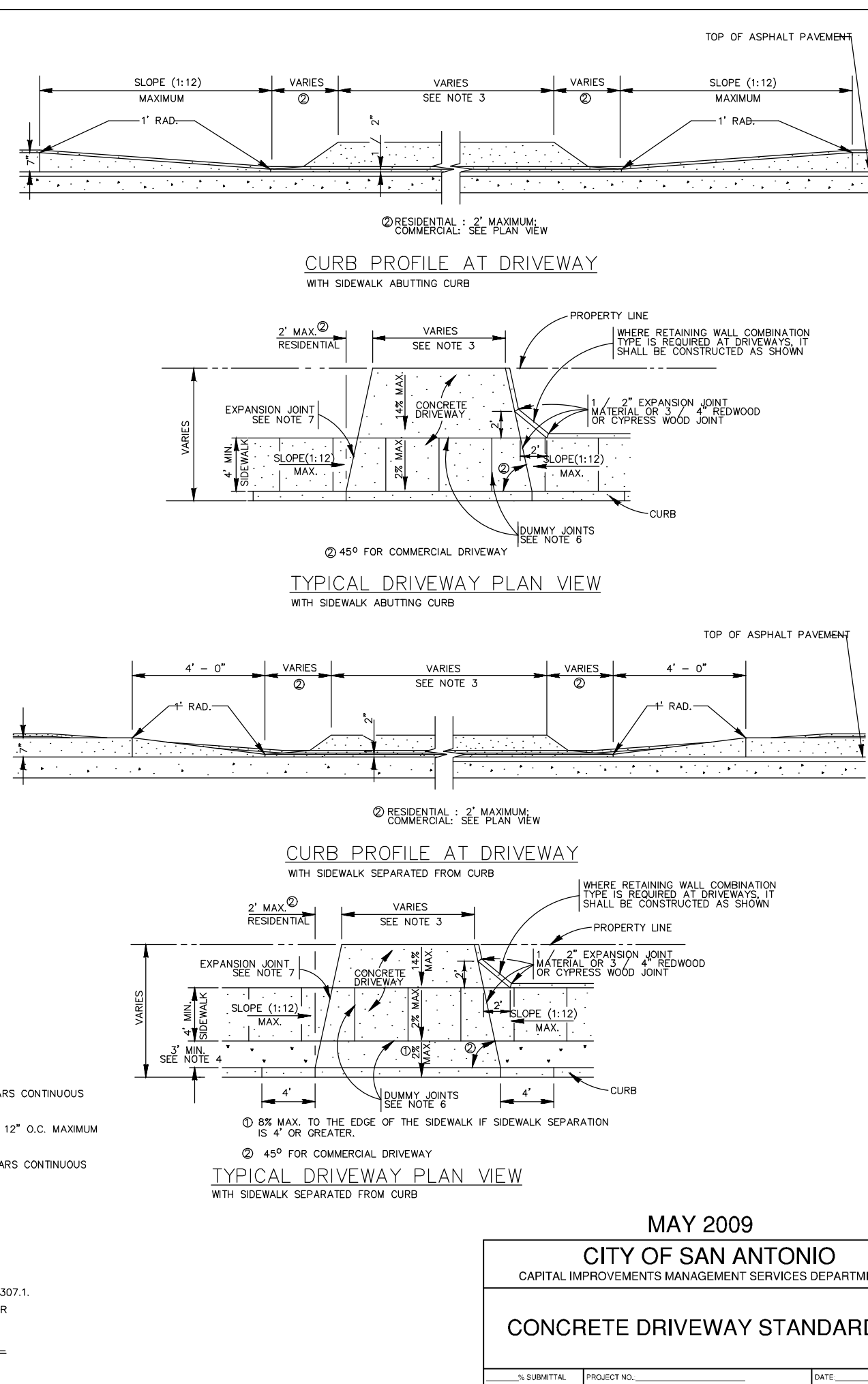
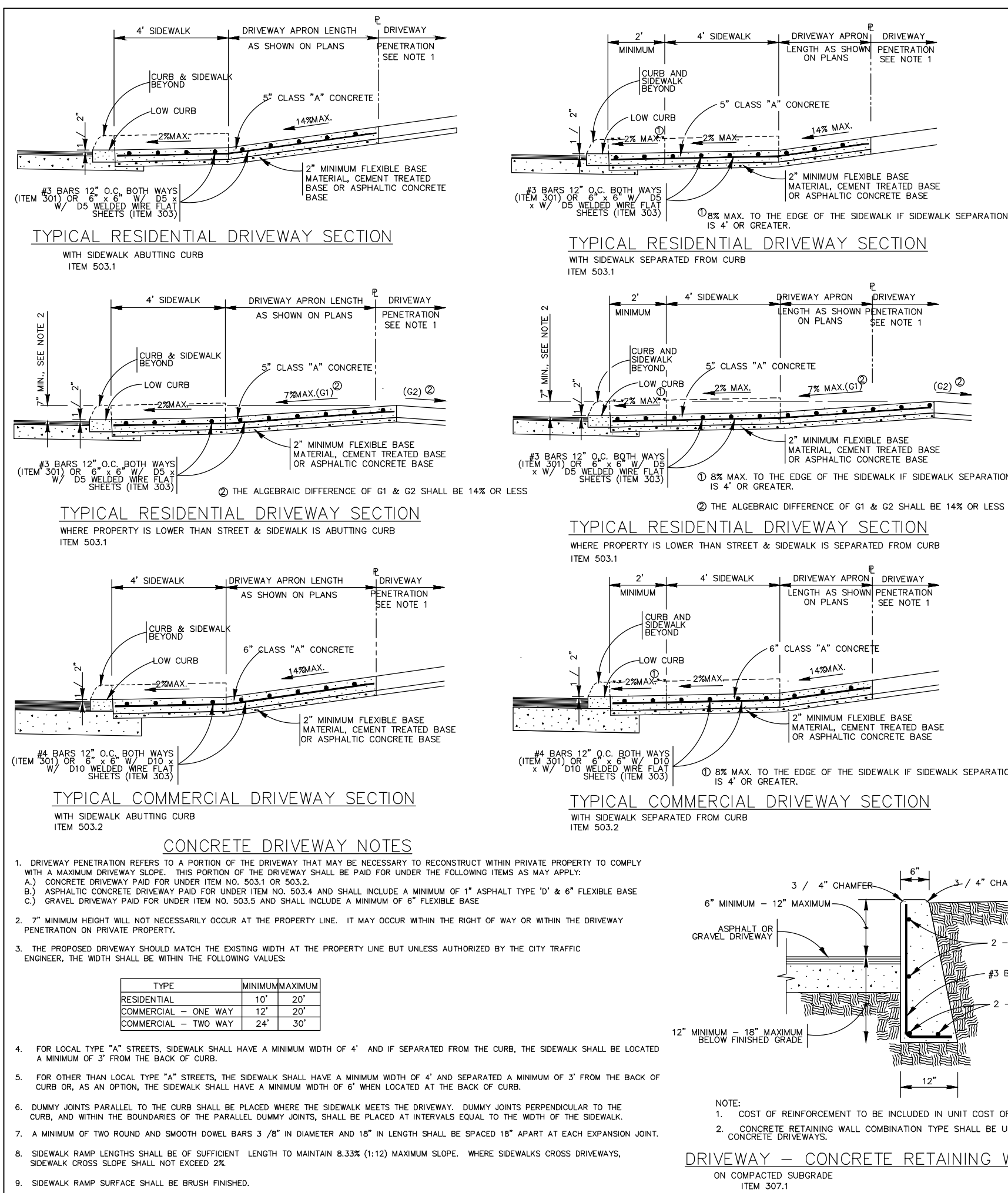
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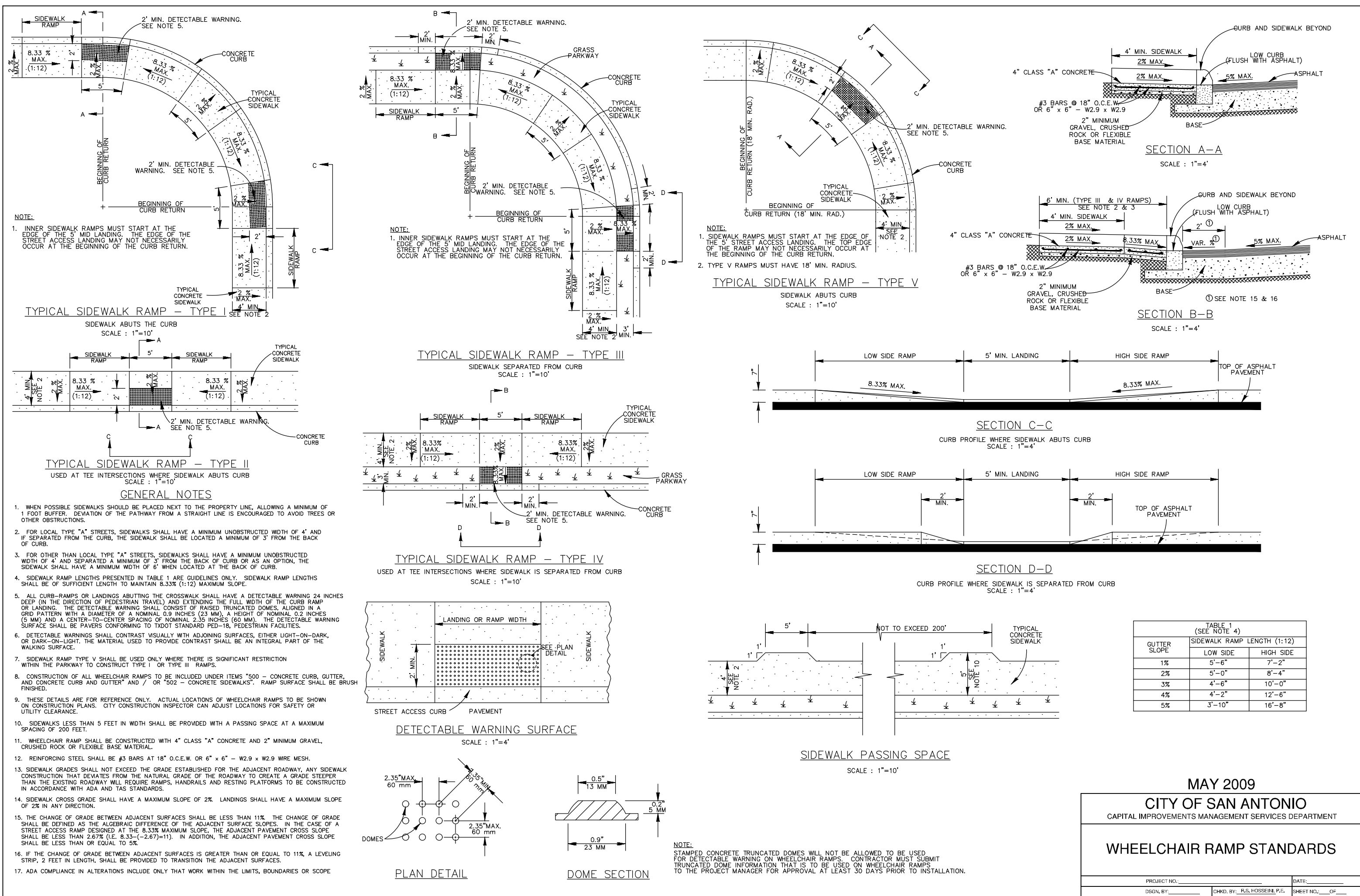


TYPICAL DIRECTIONAL RAMP TYPE "M3" DETAIL
NOT-TO-SCALE



MAY 2009
CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
CONCRETE DRIVEWAY STANDARDS

DATE	PROJECT NO.	DATE	DATE
05/05/2009	05/05/2009	05/05/2009	05/05/2009



MAY 2009
CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
WHEELCHAIR RAMP STANDARDS

DATE	PROJECT NO.	DATE	DATE
05/05/2009	05/05/2009	05/05/2009	05/05/2009

DATE

NO. REVISION

STATE OF TEXAS
EUGENE H. DAWSO
112792
PROFESSIONAL ENGINEER
5/9/24

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

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

STREET DETAILS

PLAT NO. 23-11800212

JOB NO. 12482-10

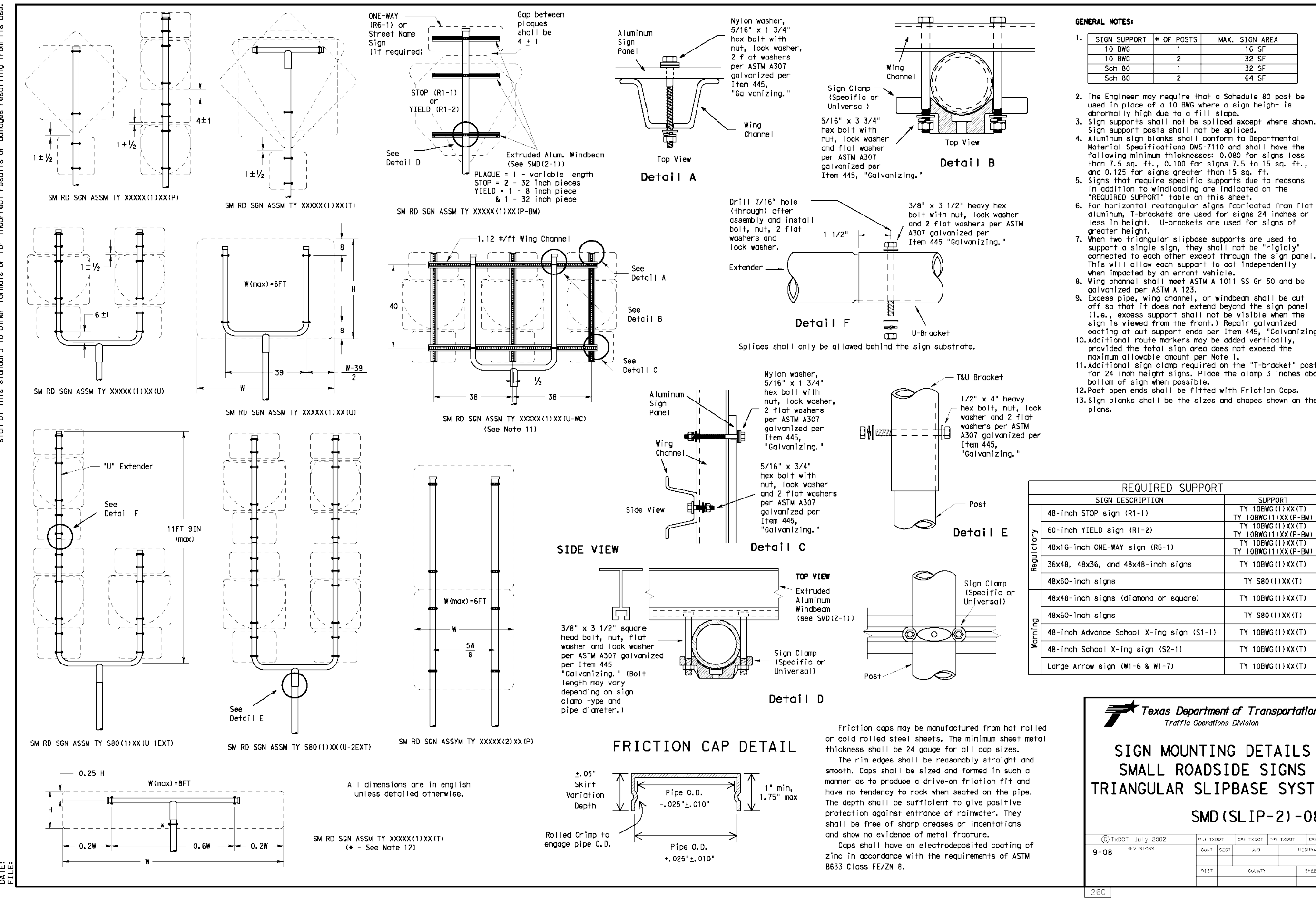
DATE MAY 2024

DESIGNER BK

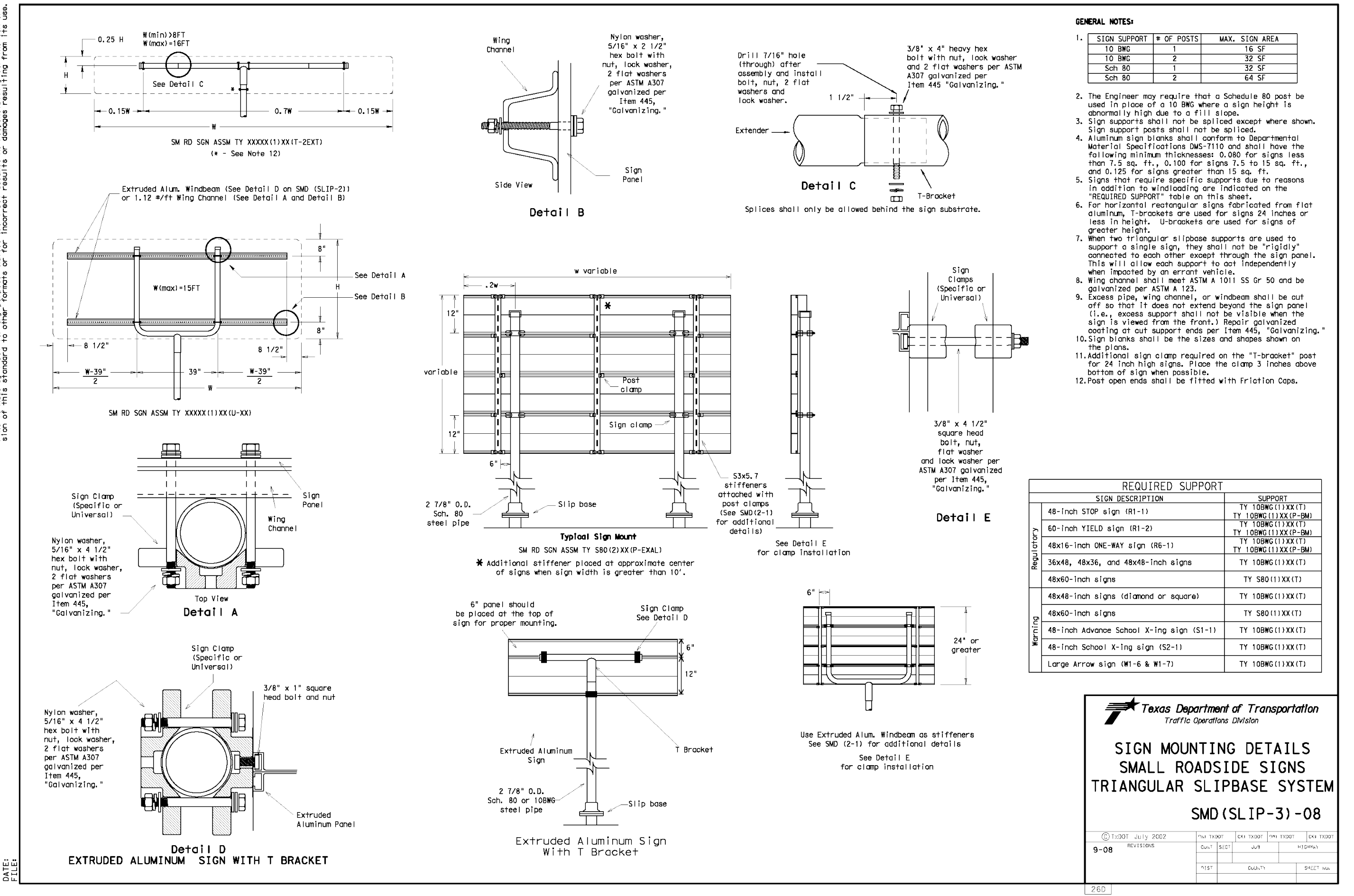
CHECKED DW DRAWN JR

SHEET C2.08

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STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
OVERALL SIGNAGE DETAILS

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE AUGUST 2023
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C3.01

PAPE-DAWSON ENGINEERS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #008800

EUGENE H. DAWSON III
112792
PROFESSIONAL ENGINEER
8/4/2023

STATE OF TEXAS
EUGENE H. DAWSON III
112792
PROFESSIONAL ENGINEER
8/4/2023

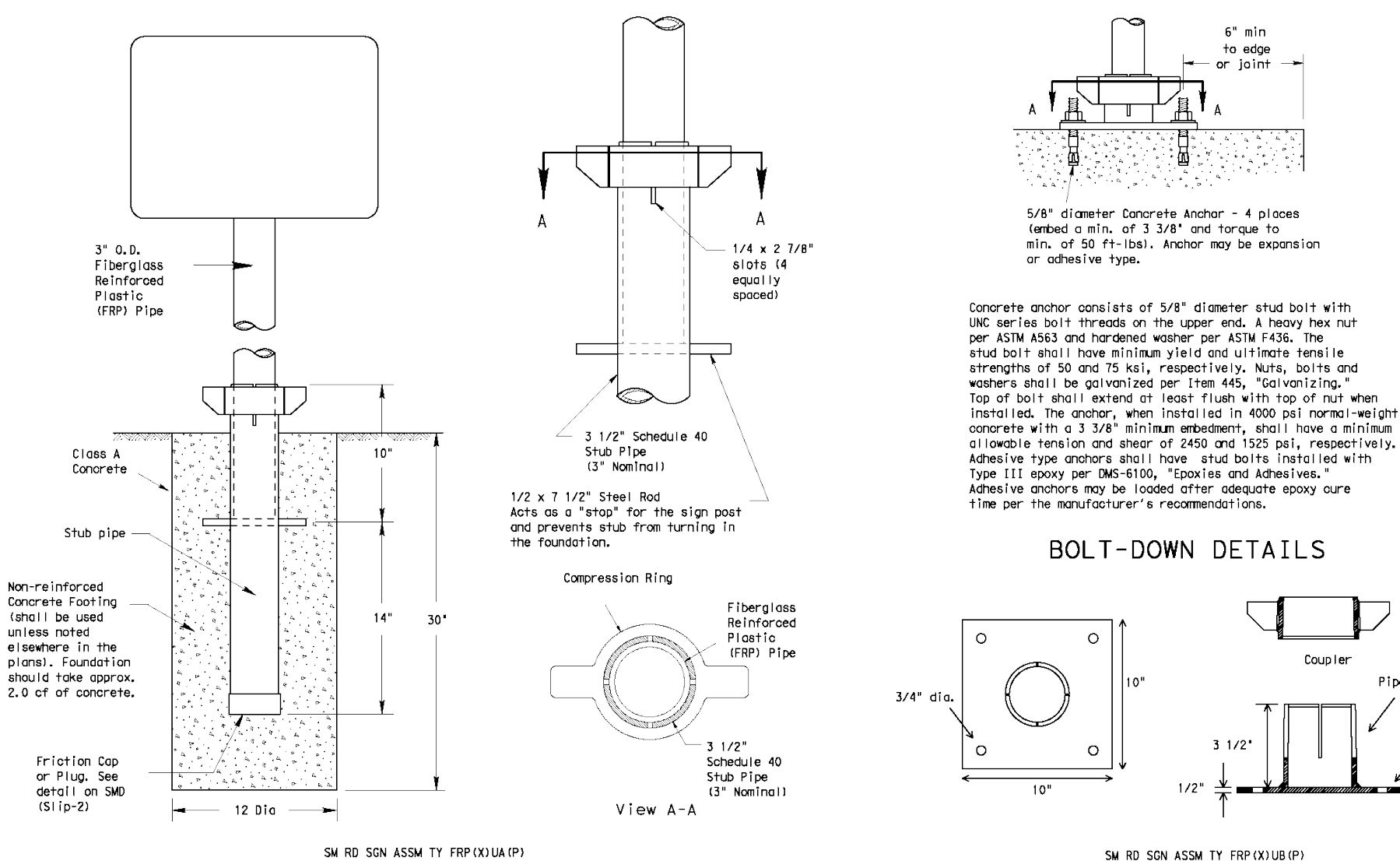
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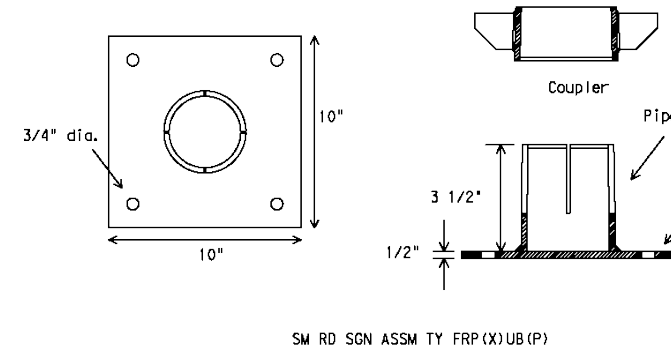
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by IACET for any purpose whatsoever. IACET assumes no responsibility for the certification of this standard or for incorrect results or consequences resulting from the use.

DATE:

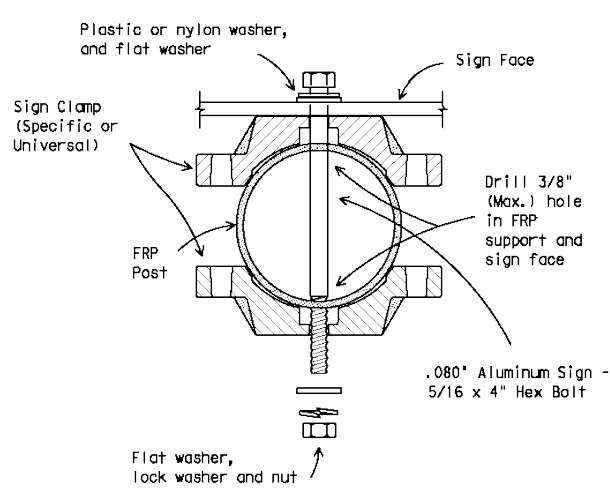
Universal Anchor System with Fiberglass Reinforced Plastic (FRP) Post



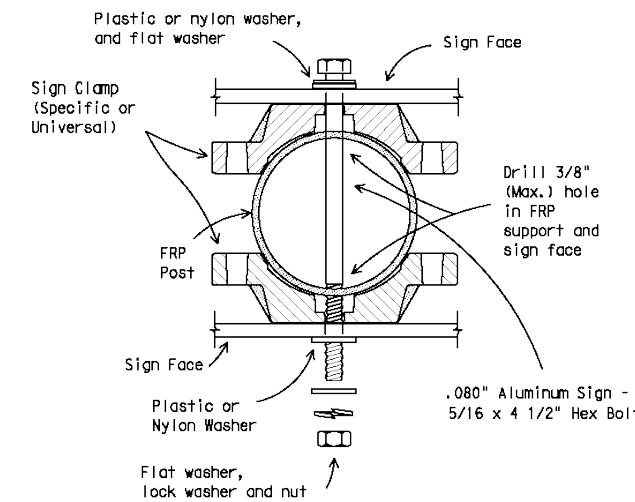
BOLT-DOWN DETAILS



Typical Sign Mounting Detail
for FRP Support with Single Sign



Typical Sign Mounting Detail
for FRP Support with Back-to-Back Signs



GENERAL NOTES:

1. FRP sign supports for a single type sign support may be used for signs up to and including 16 square feet. Dual post installation may be used for signs up to and including 32 square feet.
2. All nuts, bolts and washers shall be galvanized per item 445, "Galvanizing."
3. See the Traffic Operations Division website for detailed drawings of sign clamps. The website address is:
<http://www.txdot.gov/publications/traffic.htm>

FRP POST REQUIREMENTS

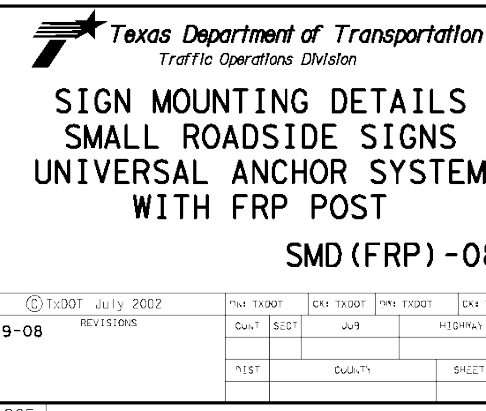
1. Materials shall conform to the requirements of Departmental Material Specification DMS-4410 and will be furnished in a yellow or gray color as specified elsewhere in the plans.
2. Thickness of FRP sign support: $0.125" \pm 0.031"$, $-0.0"$.
3. FRP sign supports are prequalified by the Traffic Operations Division. Prequalification procedures are obtained by writing:
Texas Department of Transportation
Traffic Operations Division
125 East 11th Street
Austin, Texas 78701-2483

UNIVERSAL ANCHOR SYSTEM INSTALLATION PROCEDURES

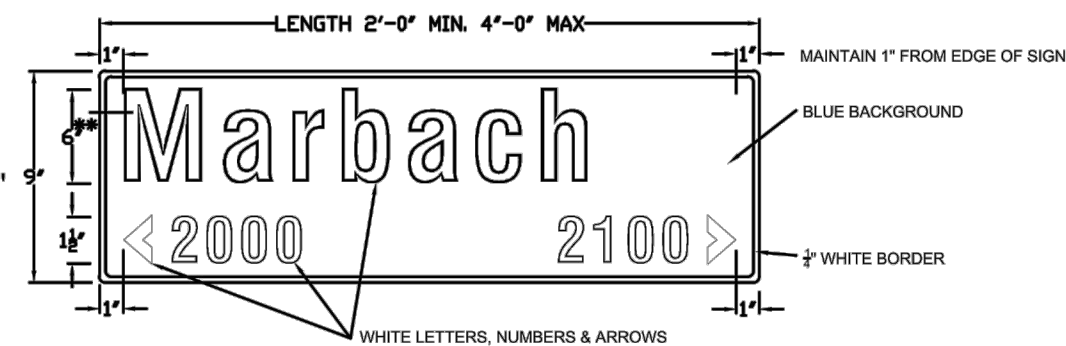
2. Dig foundation hole. Where soil rock is encountered at ground level, the foundation shall be a minimum depth of 18". When soil rock is encountered below ground level, the foundation shall be a minimum depth of 18" or provide a minimum foundation depth of 30". If soil rock is encountered below ground level, the foundation shall be a minimum depth of 18" or a minimum removed from the soil rock to a minimum depth of 18". Any material removed from the soil rock shall be placed in a container and disposed of properly. The liner surface of the socket/rust must remain free of concrete.
3. The Engineer may permit bottles of concrete less than 2 cubic yards to be used for the foundation. The bottles must be used for the foundation and must be less than 0.5 cubic yards, hand mixing in a suitable container will be allowed.
4. Insert base post. In foundation hole to depths shown and fill hole with concrete. The base post must be installed in the center of the hole and the liner installed in minimum of 4 days, unless otherwise directed by Engineer.
5. Remove the base post without disturbing a topcoat of 1/2" and let concrete set a minimum of 4 days, unless otherwise directed by Engineer.
6. Action of base post shall not be above the concrete footing.
7. Insert sign post. Insert sign post. Lower until the post comes to rest on the base post.
8. Use hammer to ensure the coupler is firmly seated. Top of coupler should be at least 1/2" above the top of the concrete footing.
9. Check sign to ensure there is no twist. If loose, increase the tightening of the sign post.

BOLT DOWN SIGN SUPPORT

1. Position base plate with coupler on existing concrete.
2. Drill holes into concrete and insert the 5/8" diameter bolts with wedge anchors, and tighten nuts.
3. Attach sign to FRP post.
4. Insert bottom of sign post into pipe stub.
5. Use hammer to ensure the coupler is firmly seated. Top of coupler should be level with top of base post in most instances.
6. Check sign to ensure there is no twist. If loose, increase the tightening of coupler.

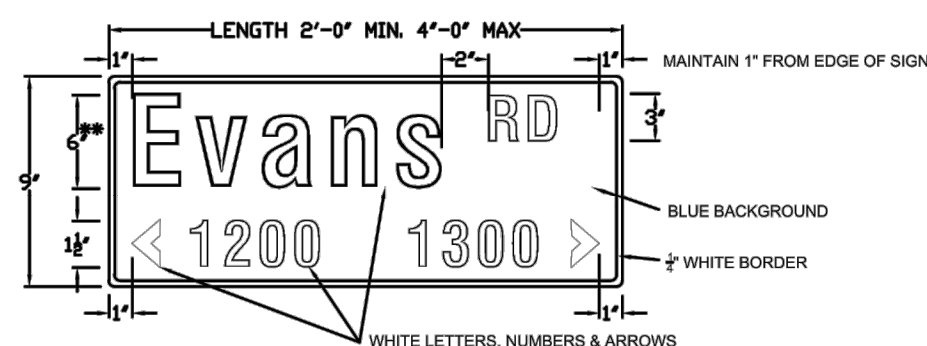


****Capital = 6"**
Lower case = $4\frac{1}{2}$ "



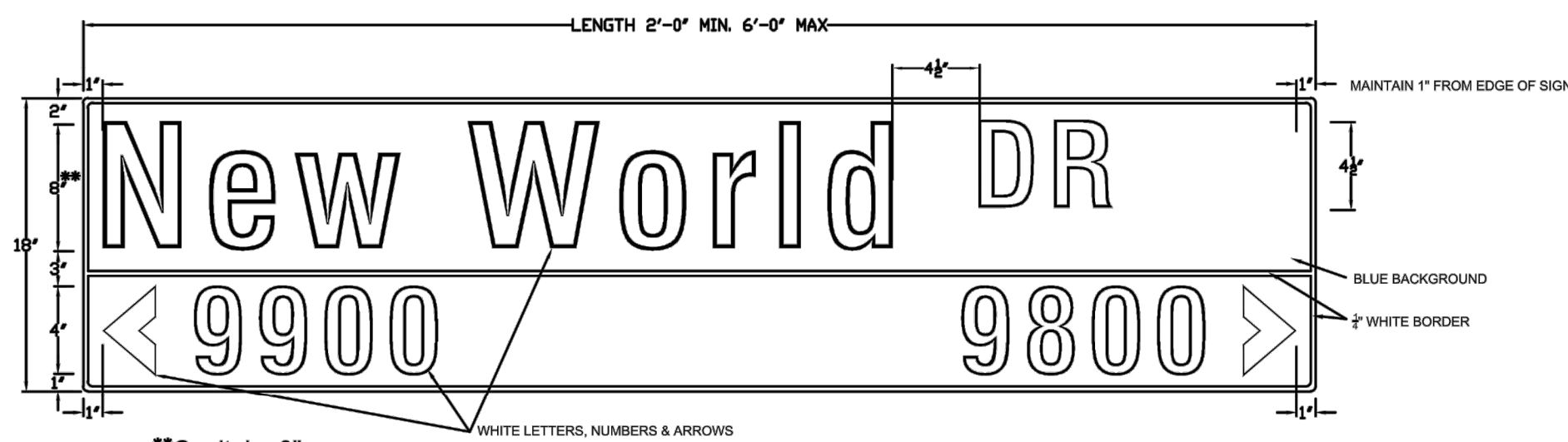
9" GROUND MOUNT STREET NAME SIGNS

***Capital = 6"
Lower case = 4 1/2"



9" GROUND MOUNT STREET NAME SIGNS
WITH STREET DESIGNATION

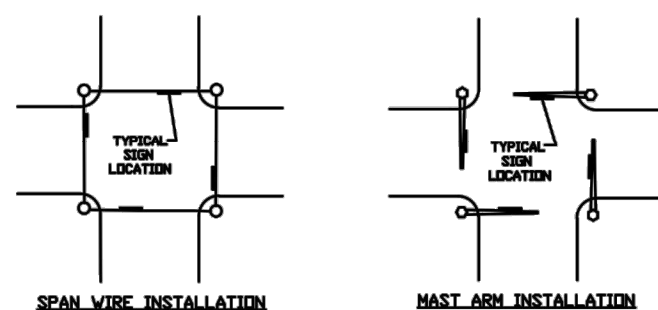
****Capital = 8"**
Lower case =6"



18" OVERHEAD STREET NAME SIGNS

	1" 18" OVERHAUD SIGN	9" GROUND MOUNT SIGNS
HEIGHT	48" (38 1/2 inch)	9" (228 mm)
LENGTH	48" (1200 mm) MIN. 72" (1800 mm) MAX. (1/2" MINIMUM RADIUS OF CURVATURE)	24" (600 mm) MIN. 48" (1200 mm) MAX. (1/2" MINIMUM RADIUS OF CURVATURE)
THICKNESS	0.125" (3.18 mm)	
SUBSTRATE	ALUMINUM ALLOY 6061-H38 (ASTM B-221) GOLD CHROMATE FINISH	
SIGN FACE MATERIALS	BLUE FILM * OVER DAMPING GRADE ASTM Type 30 Non-Fluorescent	BLUE FILM * OVER HIGH INTENSITY PRISMATIC TYPE IV
LEGENDS	SERIES D, B & C IF NAME OTHERWISE EXCEEDS MAXIMUM SIGN LENGTH	
SYMBOLS		
COLOR	WHITE LEGEND ON BLUE BACKGROUND	
TEXT TRACKING	17% (USUAL)	10%

* ACRYLIC ELECTRONIC CUTTABLE FILM



SIGN FACE MATERIALS

- SHALL CONFORM TO:**
1. STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS & BRIDGES ON FEDERAL HIGHWAY PROJECTS - FP-03 U.S. CUSTOMARY UNITS SECTION 718
 2. GENERAL SERVICES ADMINISTRATION FEDERAL SPECIFICATIONS L-S-300C
 3. ASTM D 4956 - 09#1

Bexar County Public Works

Street Name Sign Details

SHEET ____

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

OVERALL SIGNAGE DETAILS

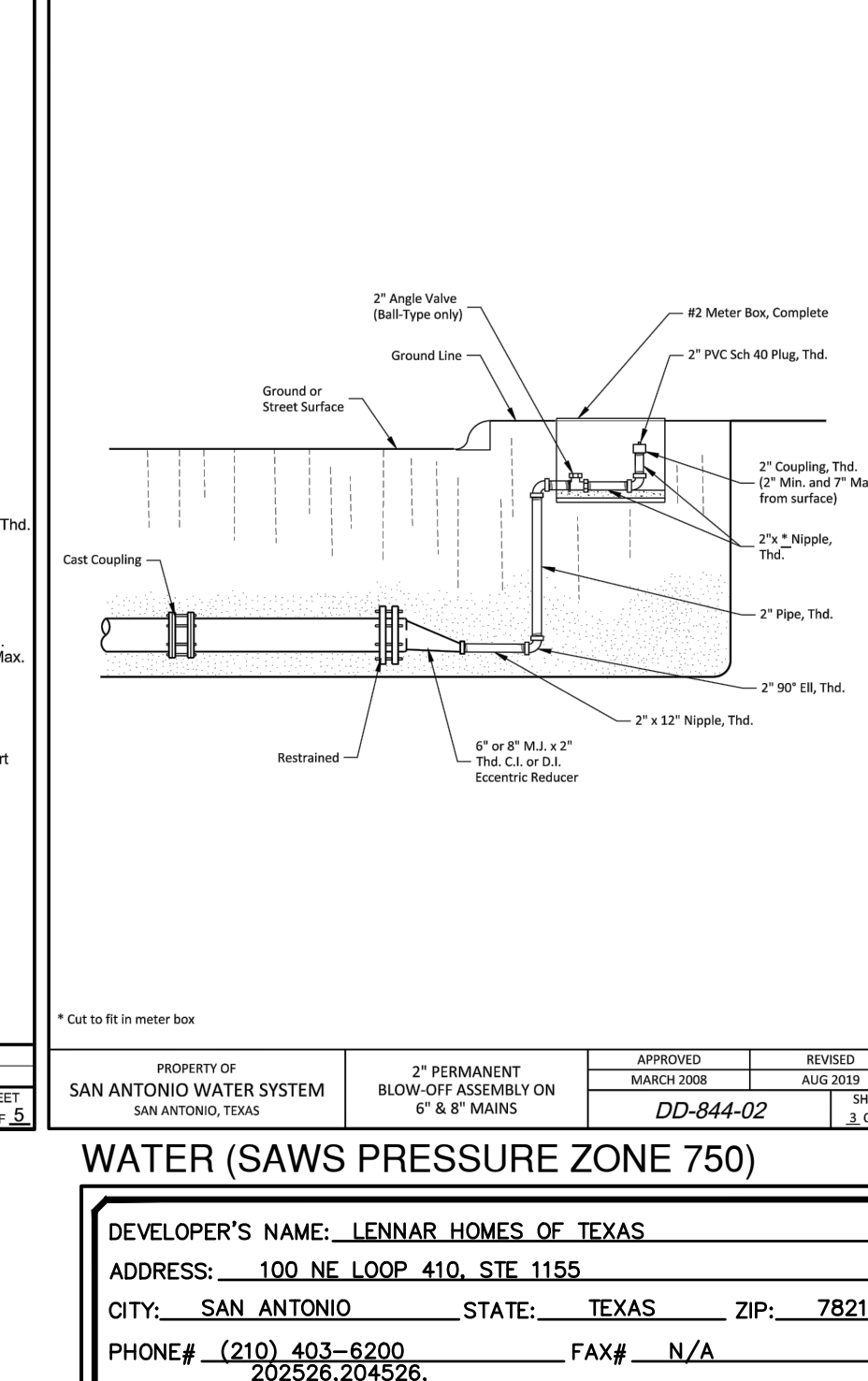
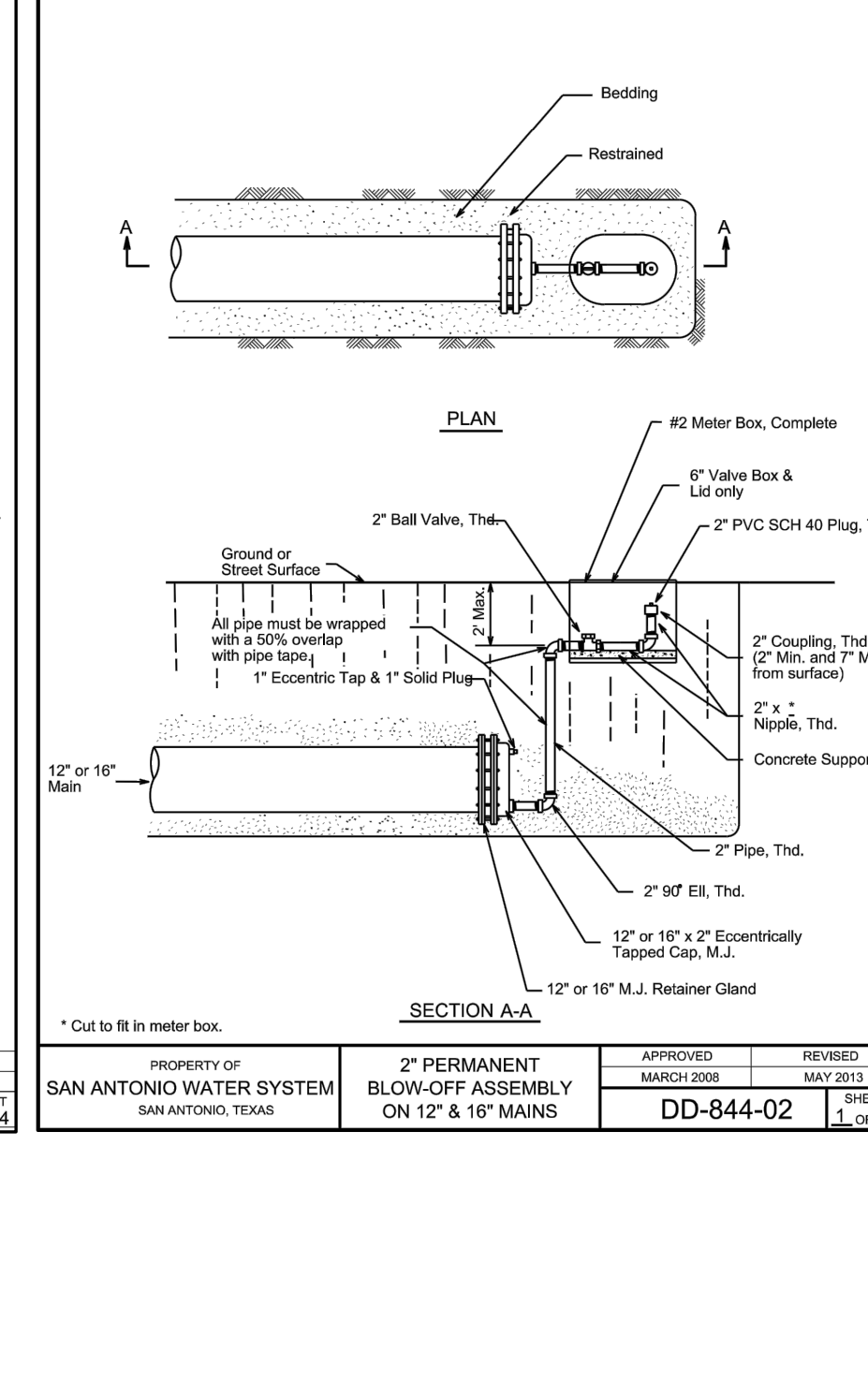
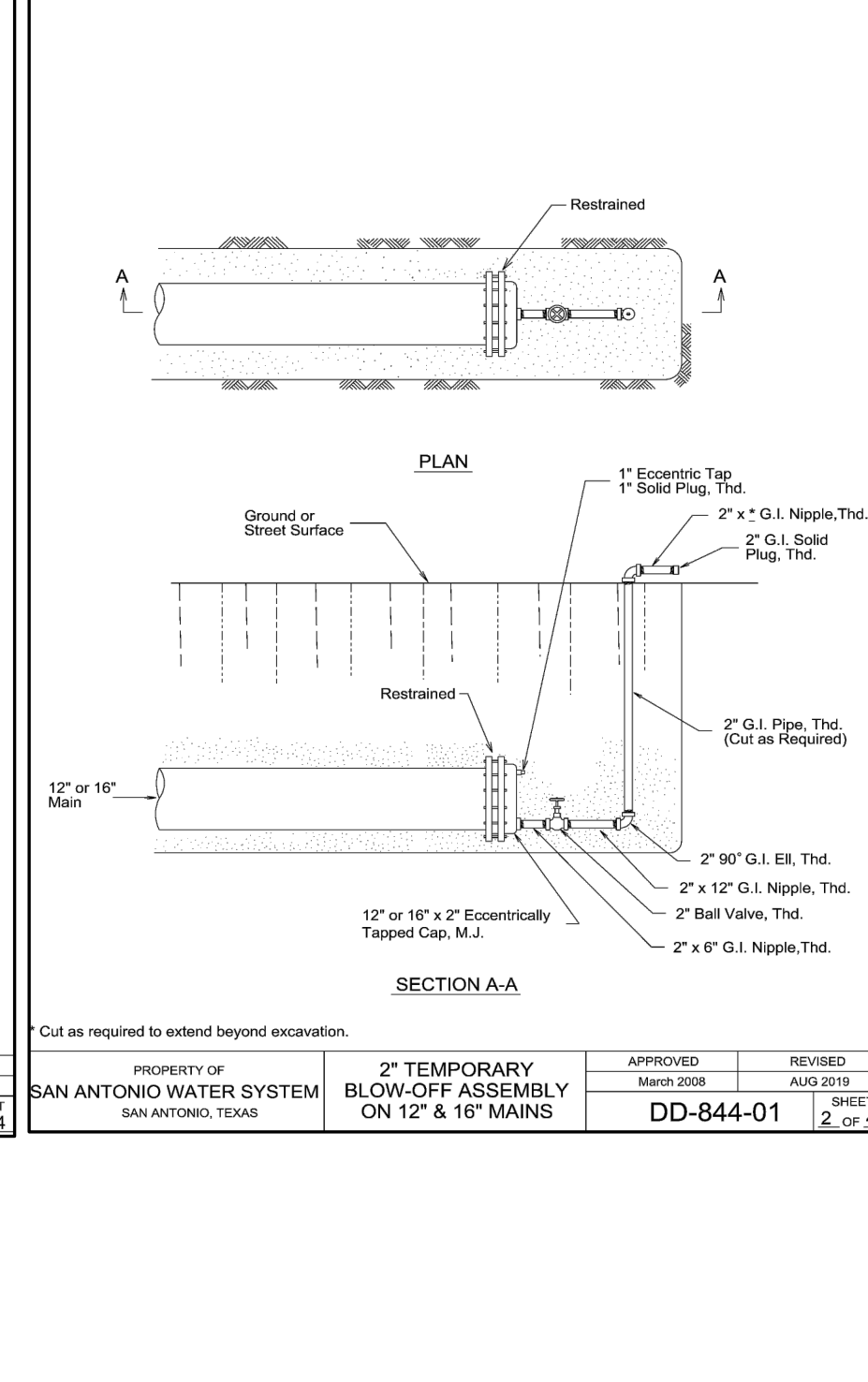
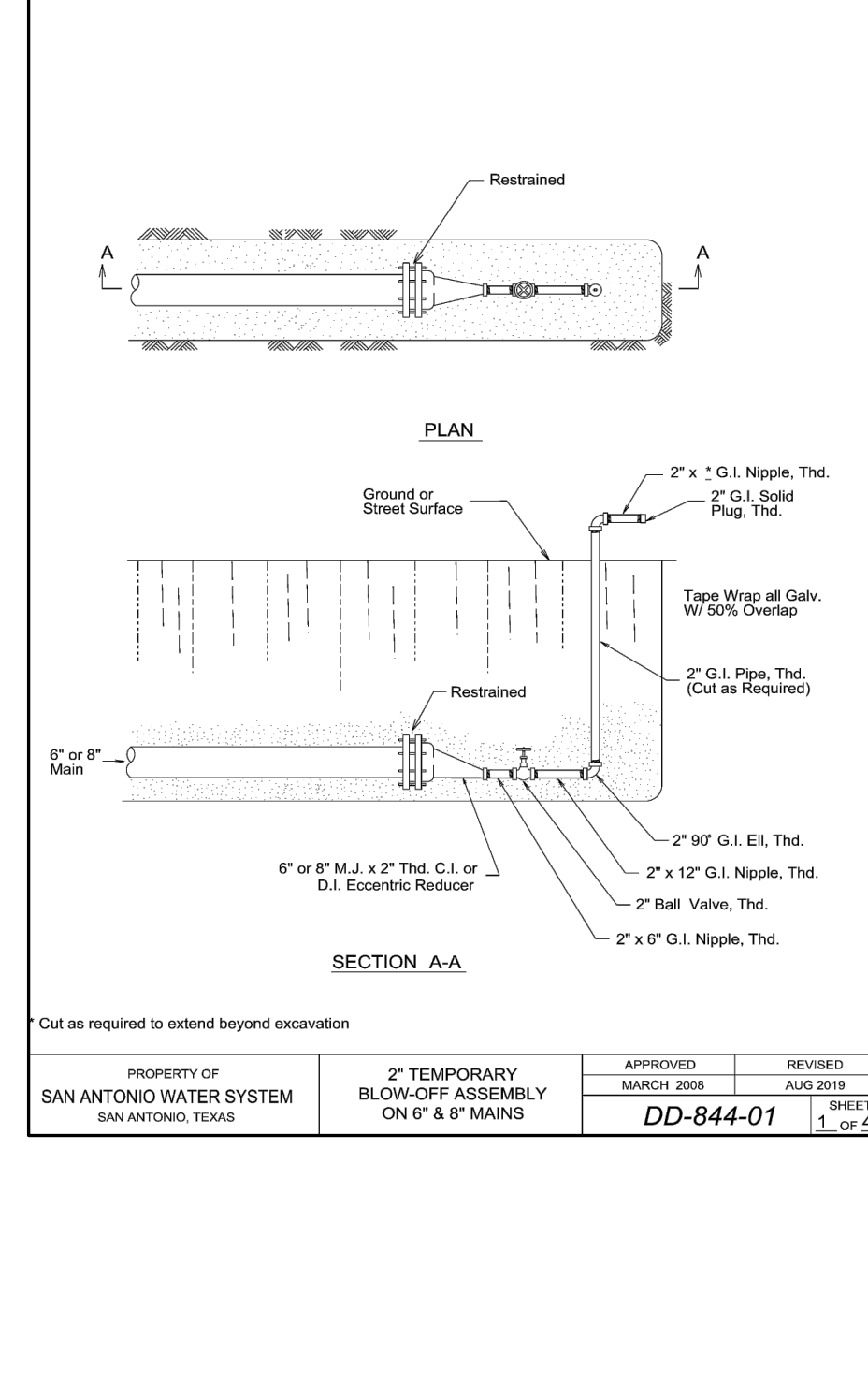
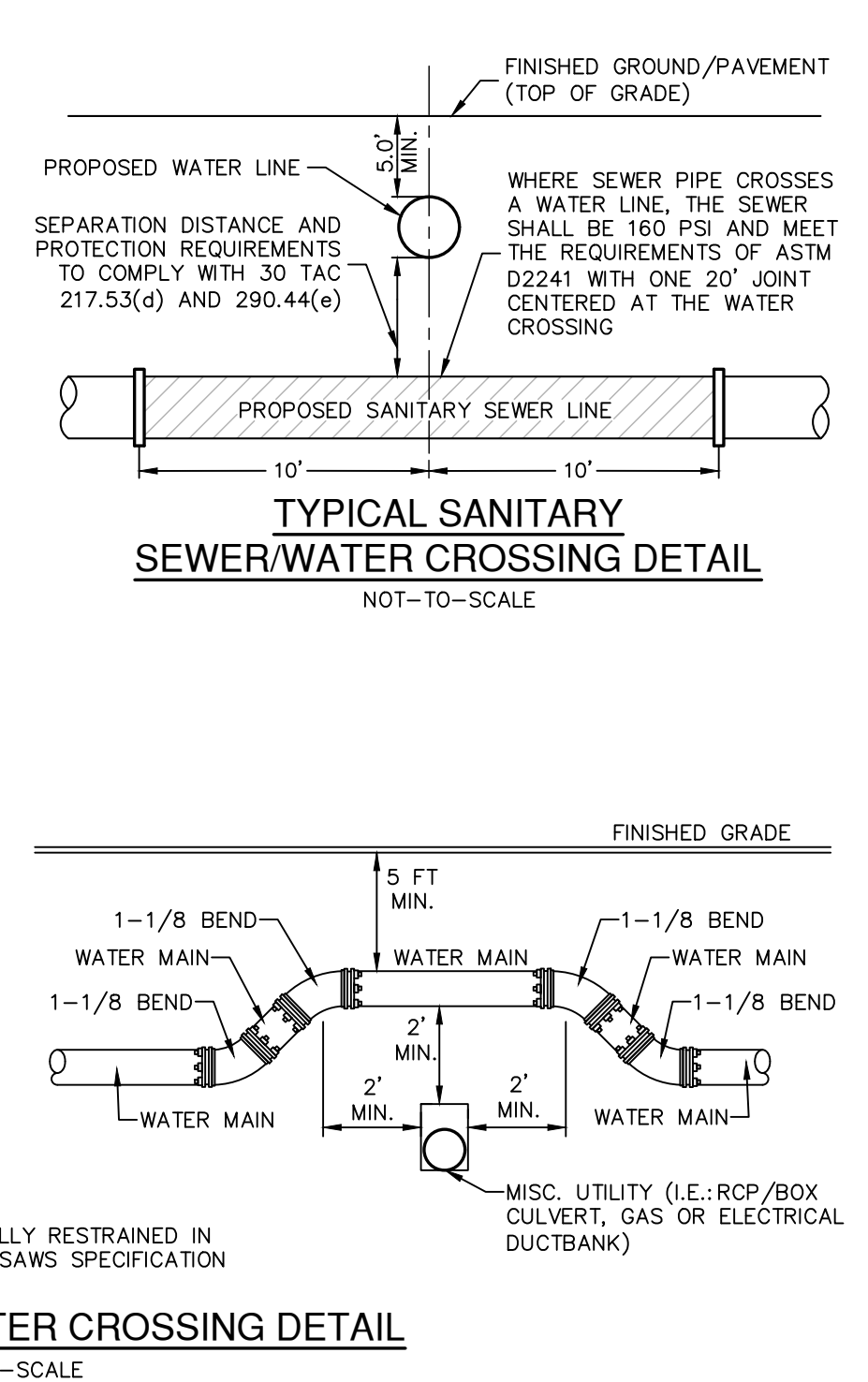
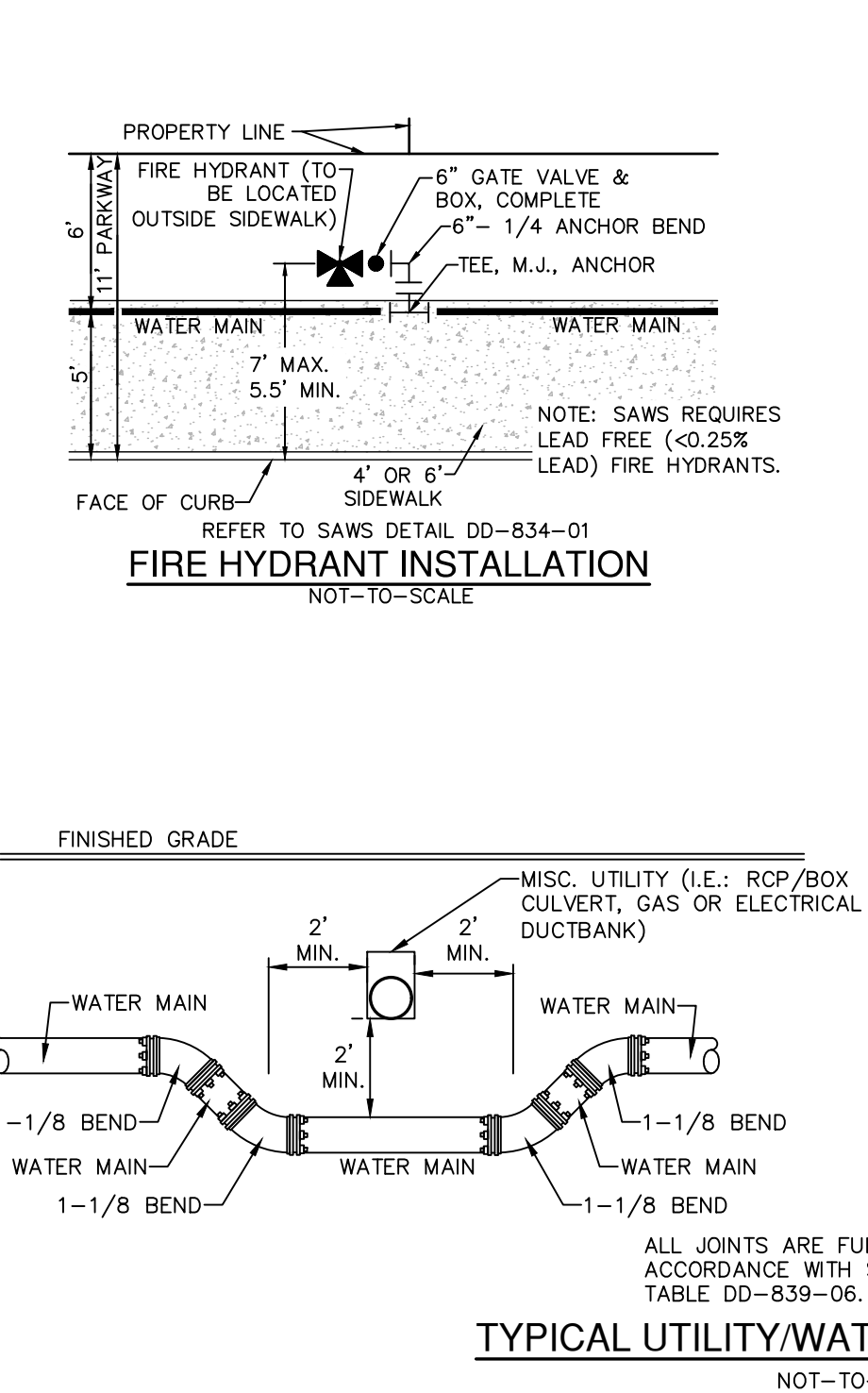
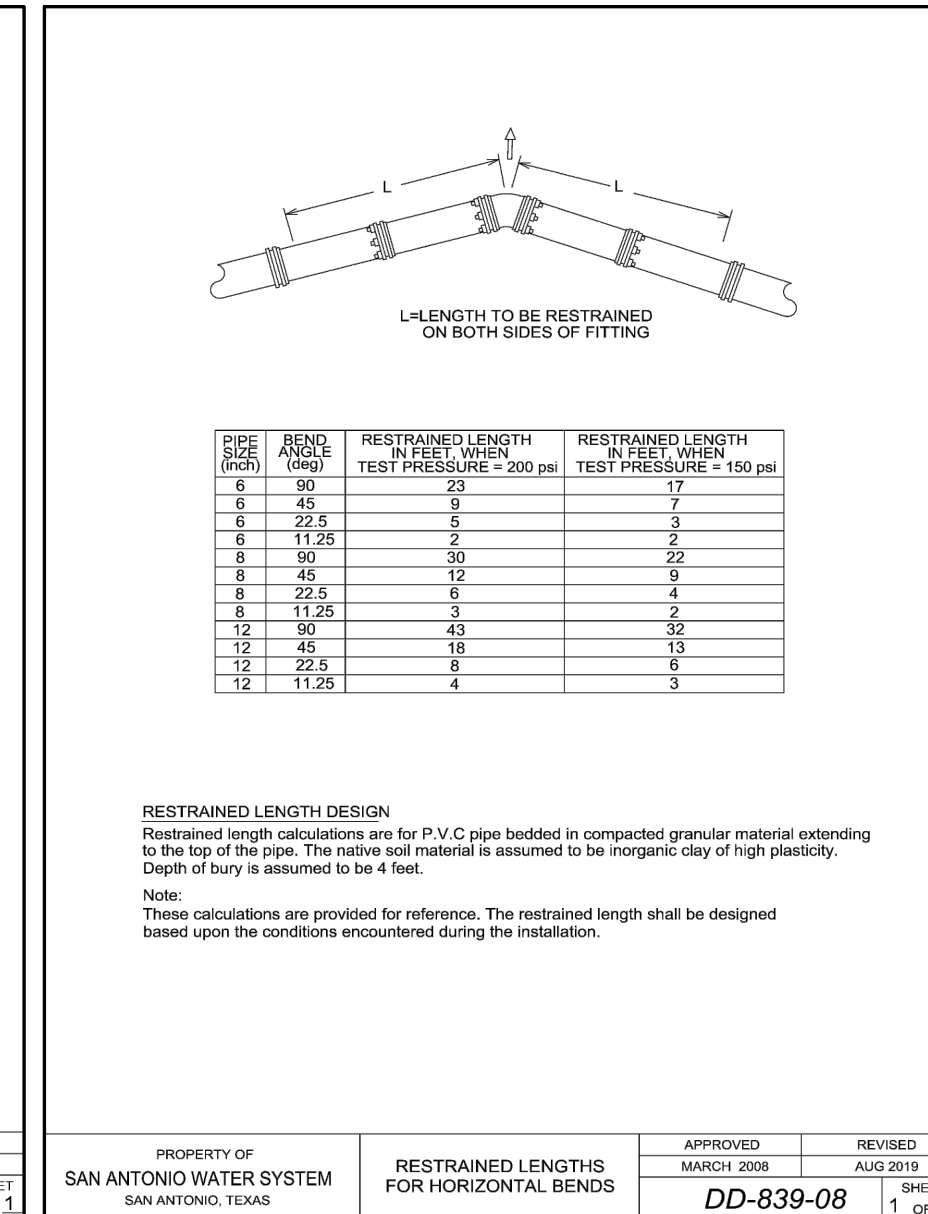
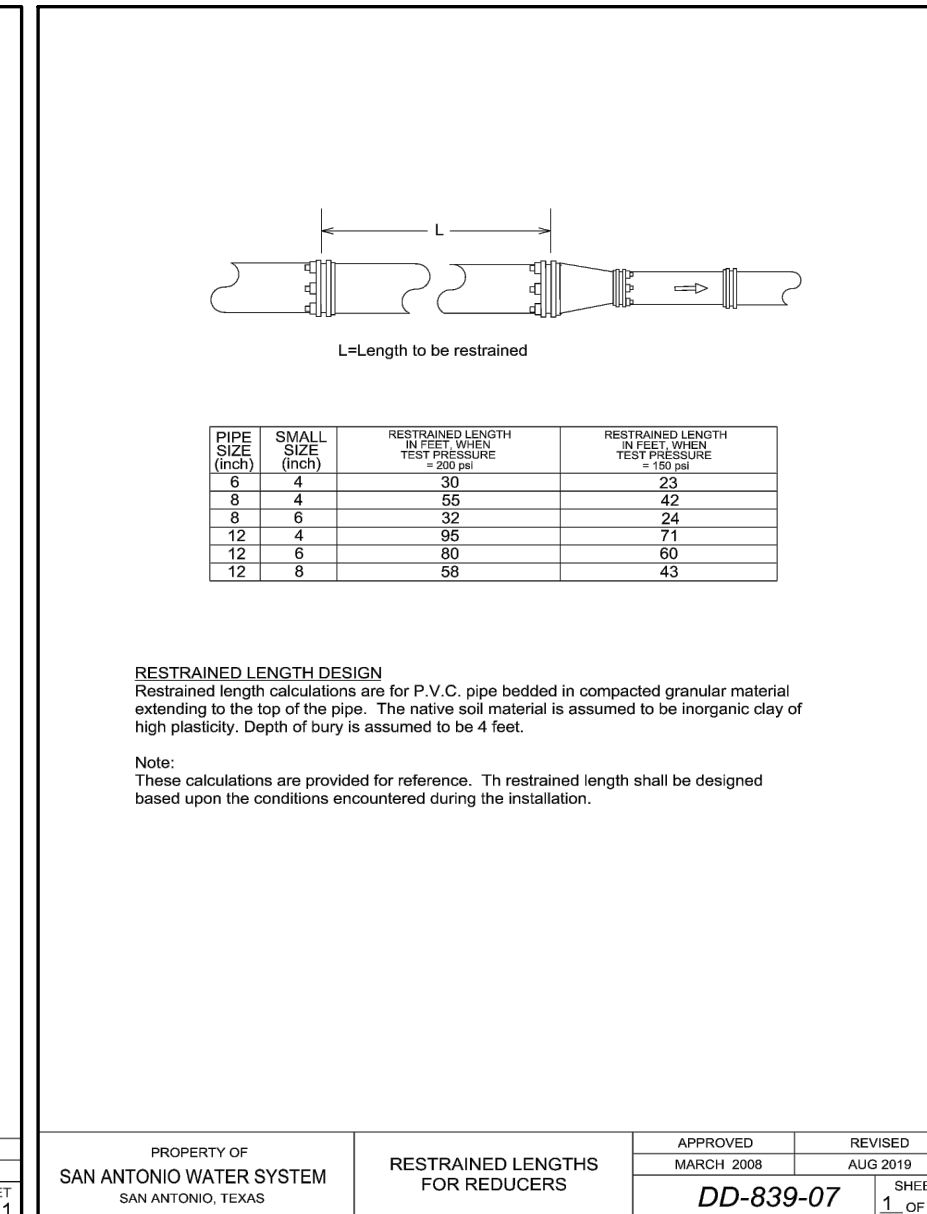
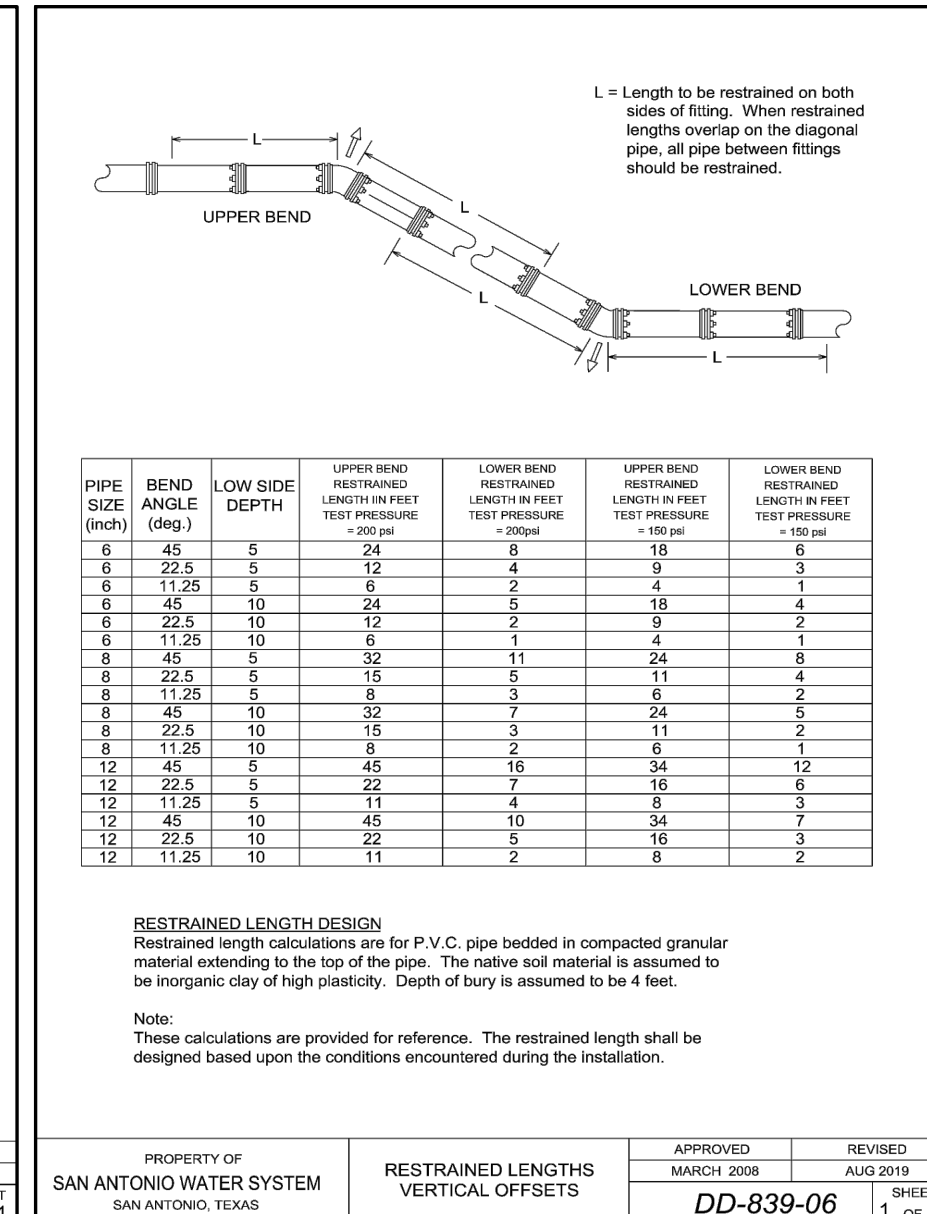
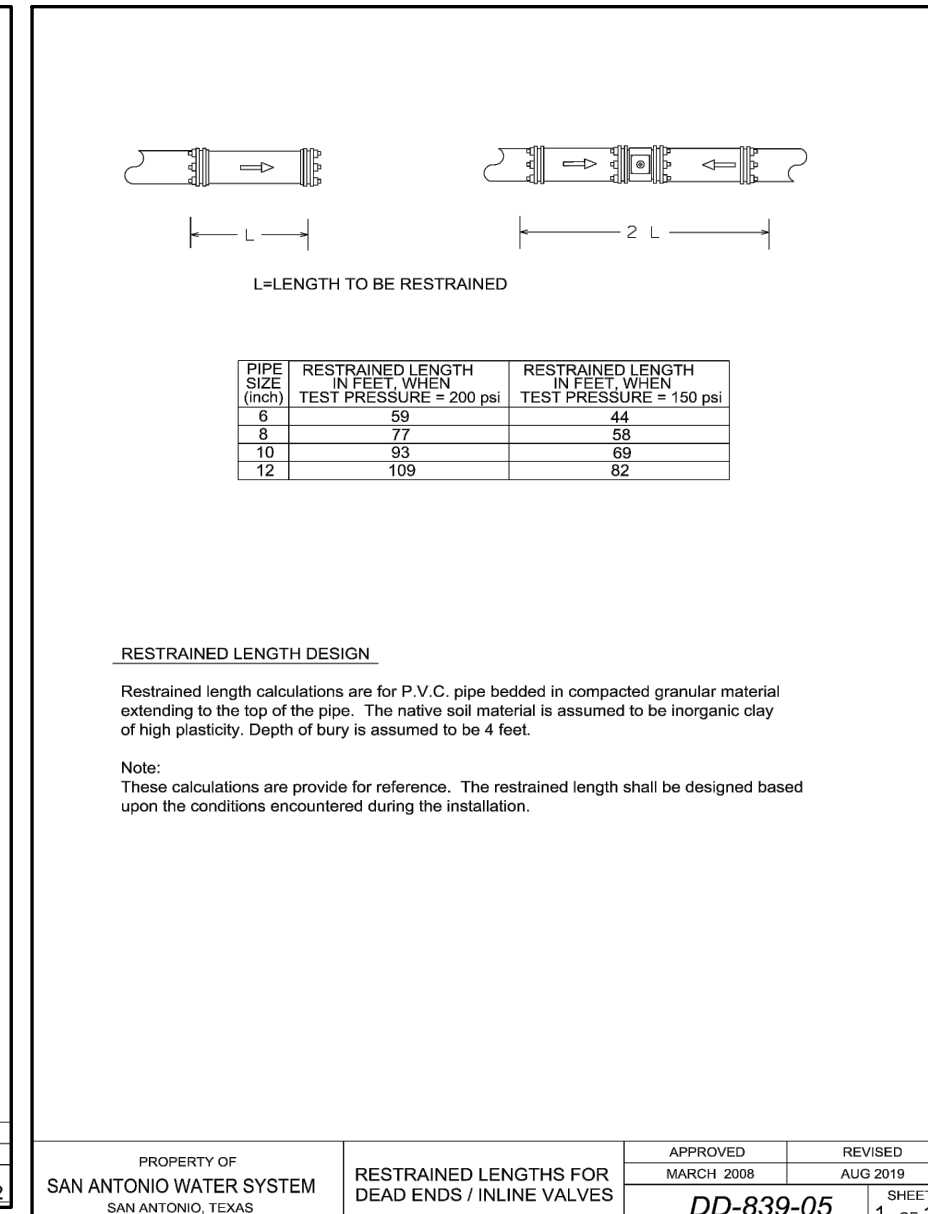
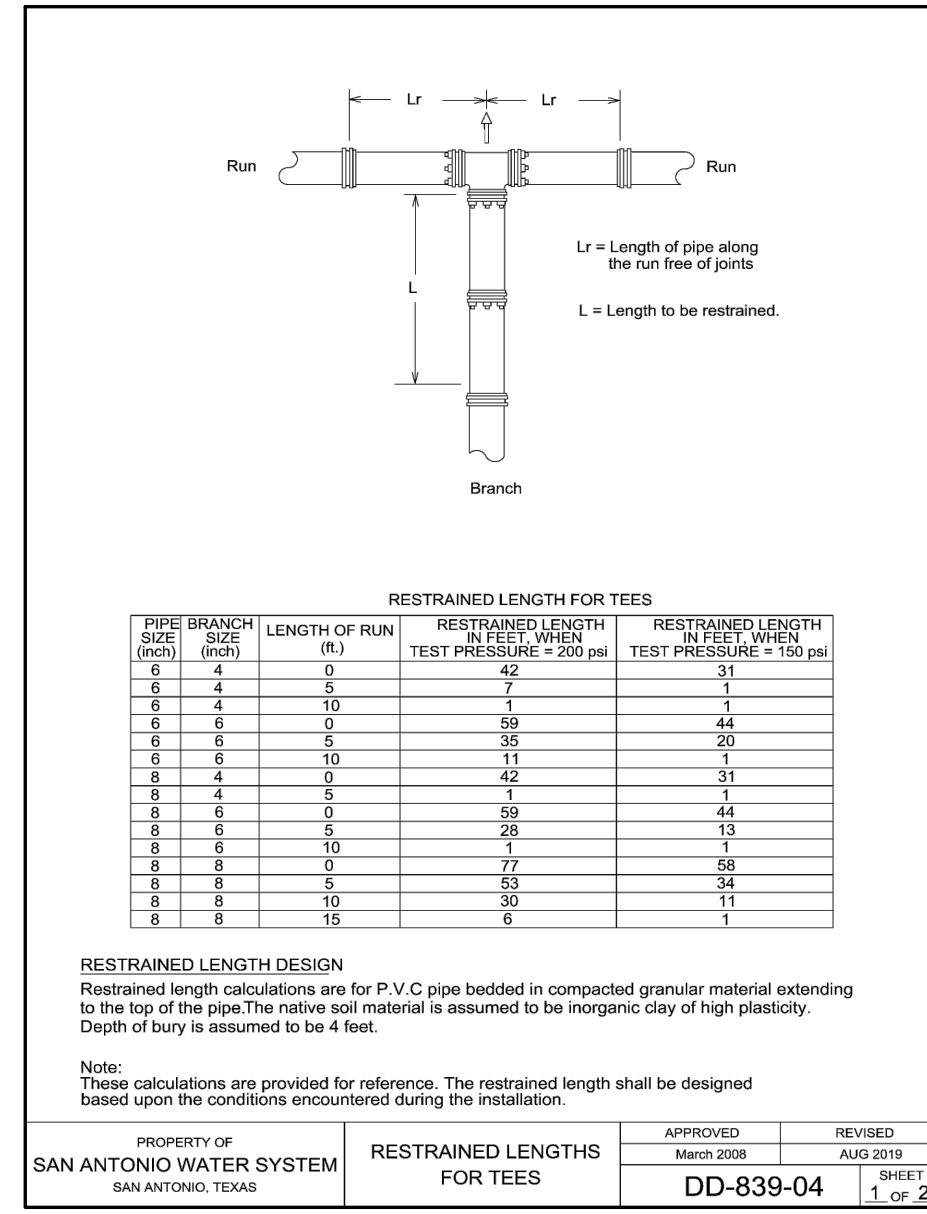
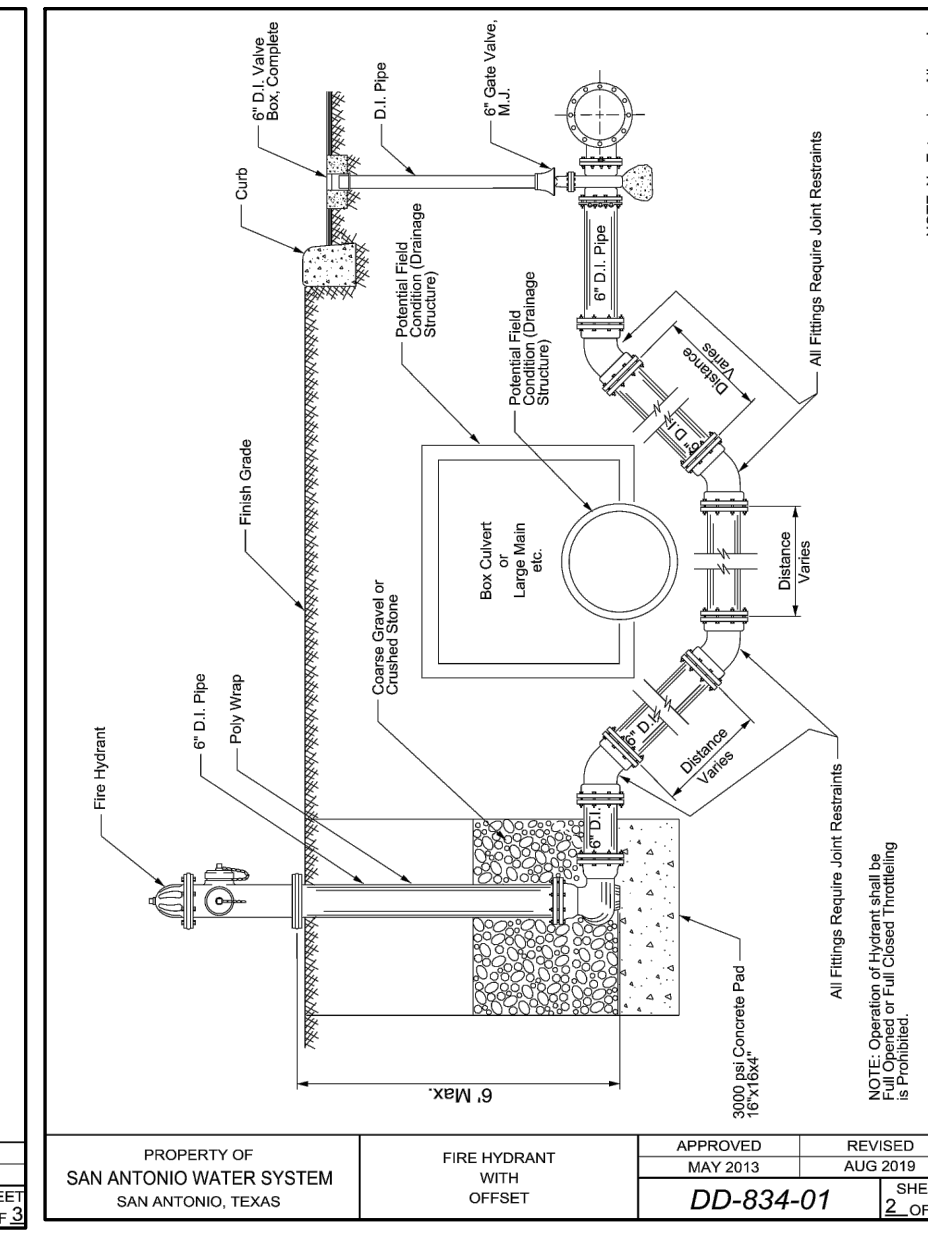
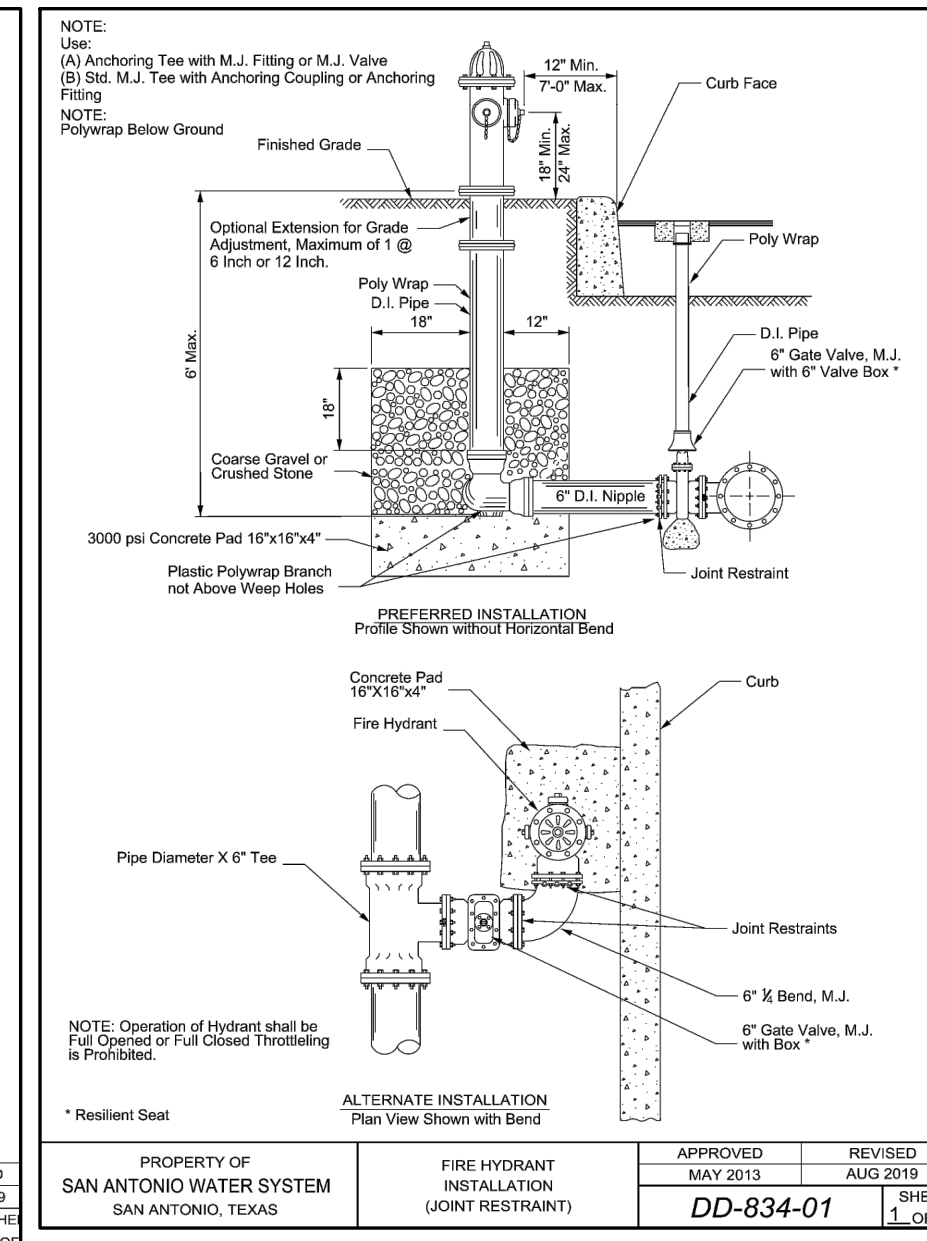
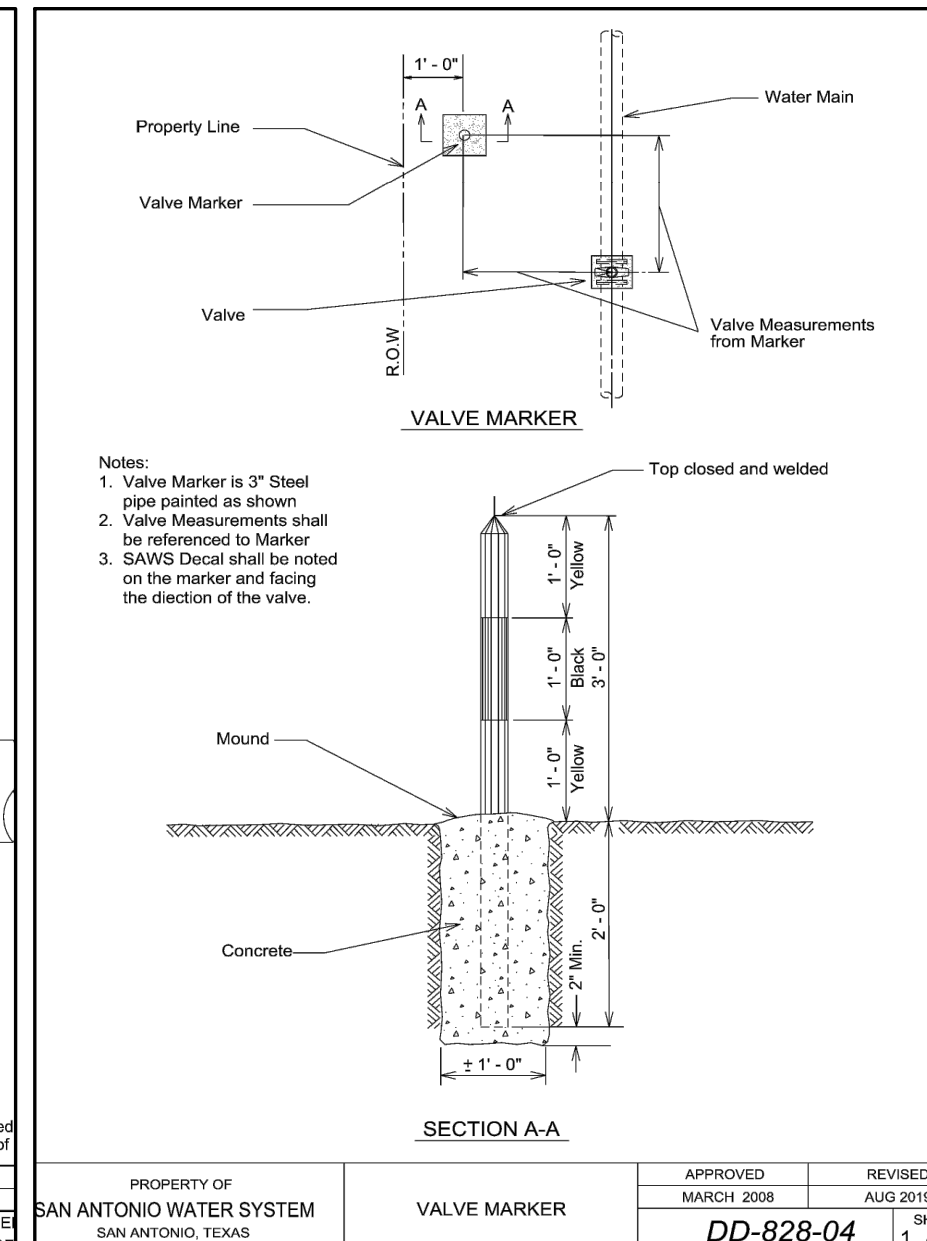
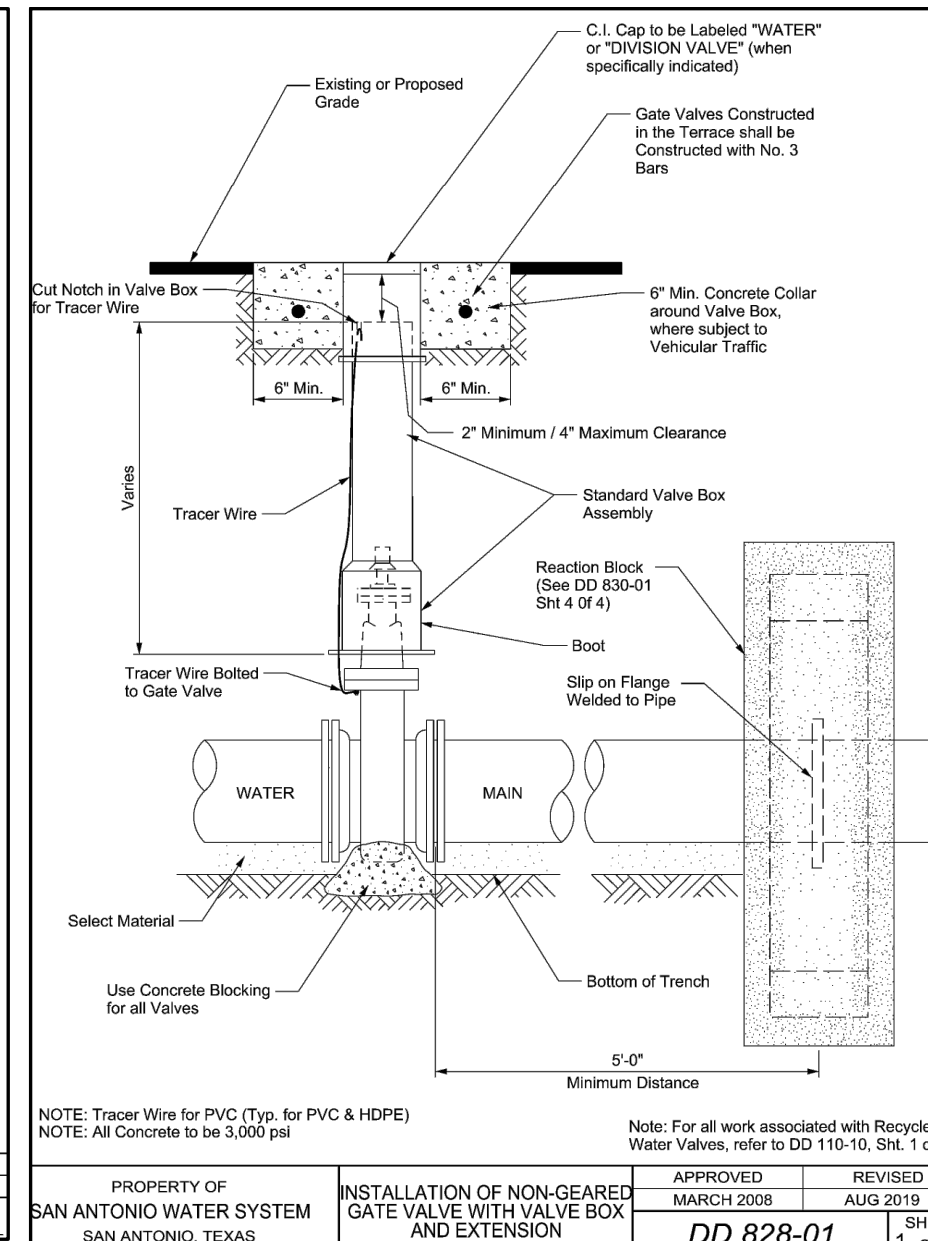
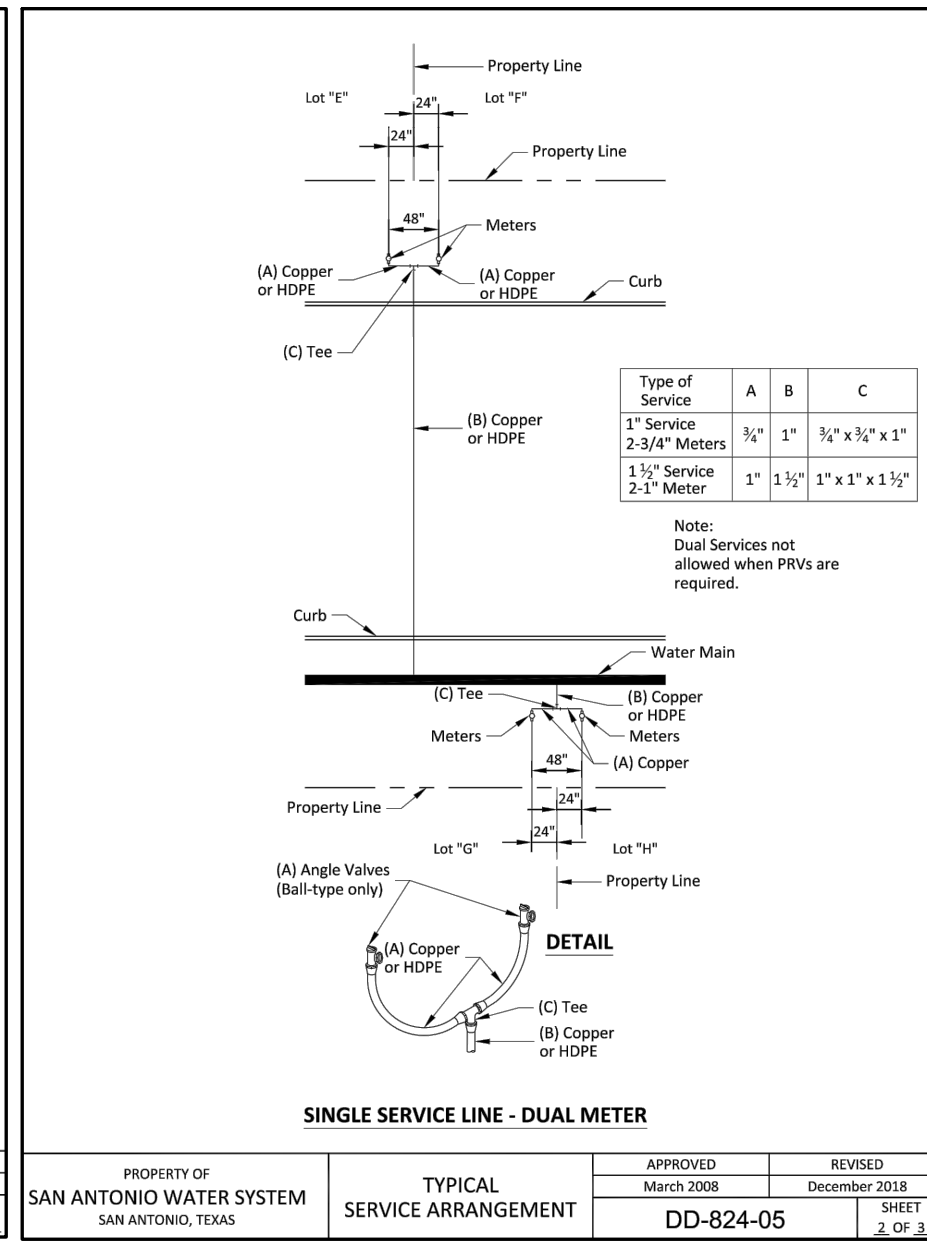
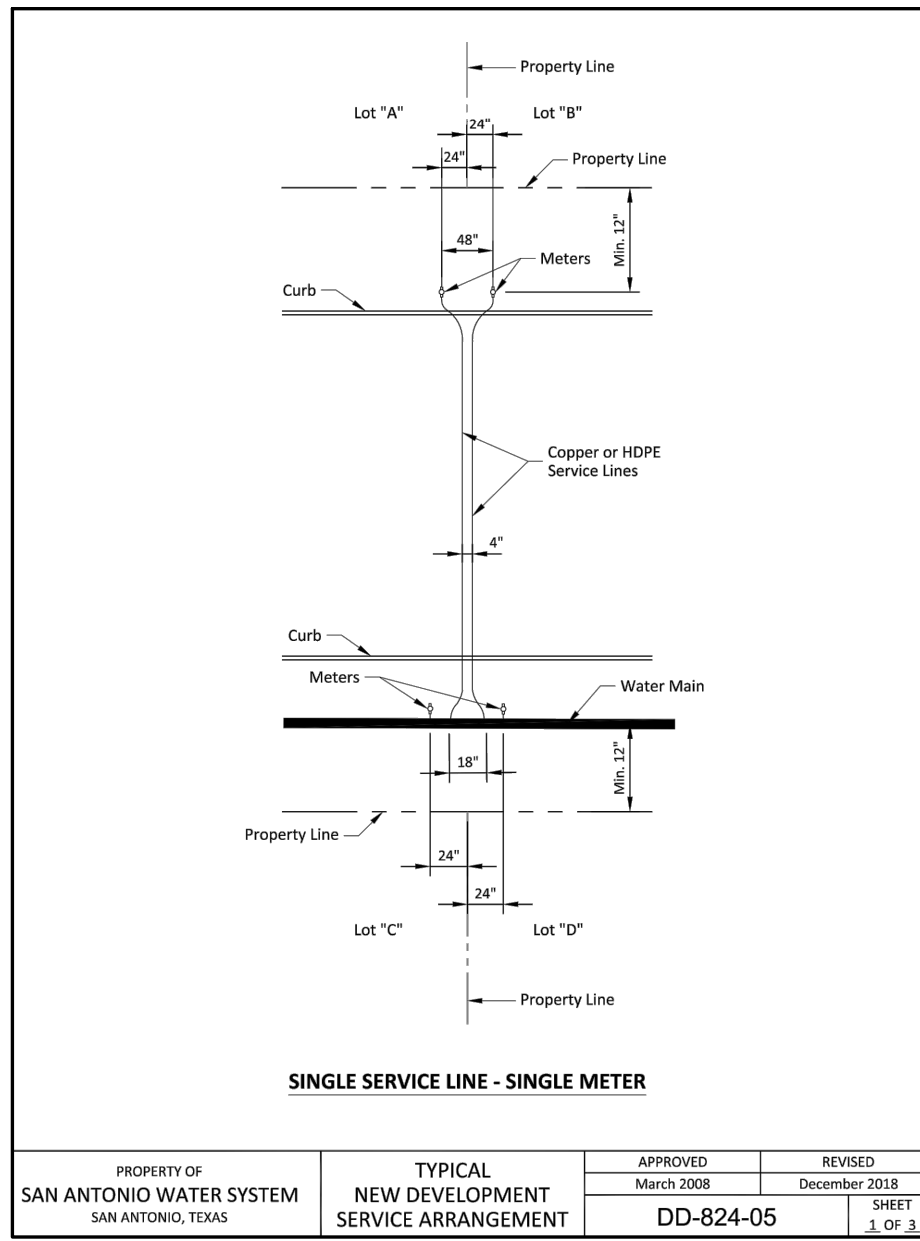
PLAT NO. 23-11800212
 JOB NO. 12482-10
 DATE FEBRUARY 2024
 DESIGNER BK
 CHECKED DW DRAWN JR
 SHEET **C3.03**

[illegible]

**PAPE-DAWSON
ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

PLAT NO. 23-11800212
 JOB NO. 12482-10
 DATE FEBRUARY 2024
 DESIGNER BK
 CHECKED DW DRAWN JR
 SHEET **C3.03**



STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

PAPE-DAWSON ENGINEERS

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE FEBRUARY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C4.01

Date: April 26, 2023, 2:39 PM - User ID: clodner
File: P:\24\62\10\Design\Civil\DWG\1248210.dwg

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(LAST REVISED JANUARY 2022)

13. A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO SAWS CONSTRUCTION INSPECTION DIVISION.

SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OPERATIONS CAUSED BY THE OPERATION OF A VALVE WITHOUT PRIOR WRITTEN PERMIT. IT SHALL BE FURTHER THAT THE PROHIBITION ON OPERATING OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELLED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

15. UNLESS OTHERWISE NOTED ALL SERVICES SHALL BE 3/4" WITH 5/8" METER

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS
ADDRESS: 100 NE LOOP 410, STE 1155
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200 FAX# N/A
202526 204526
SAWS BLOCK MAP# 204524 TOTAL EDU'S 201 TOTAL ACREAGE 23.20
TOTAL LINEAR FOOTAGE OF PIPE: 4,076 LF - 8"PTVC PLAT NO 23-1180021
NUMBER OF LOTS 197 SAWS JOB NO. 23-1145

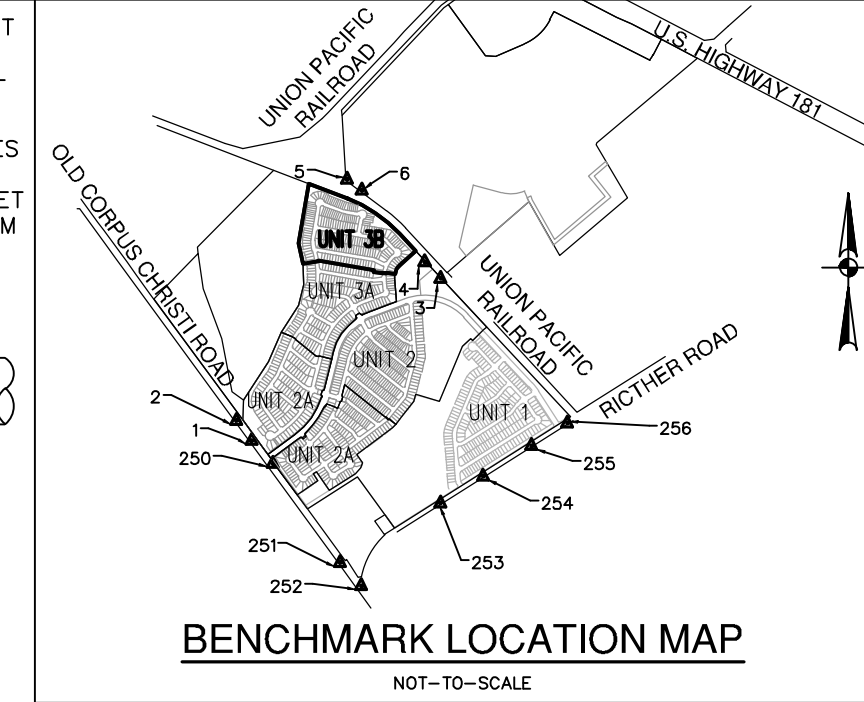
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

OVERALL WATER DISTRIBUTION NOTES

CHECKED DW DRAWN SK

SHEET C4.02

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 DATA AND RECORDS AND RECOMMEND TO THE CONTRACTOR THE BEST METHOD FOR 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 PROCEDURES SHALL BE SUBJECT TO ADDITIONAL 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 EQUIPMENT CONSULTANT SHALL BE RESPONSIBLE FOR SAFETY PROTECTION IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



The map illustrates the project location within San Antonio, Texas. Key features include:

- US HWY 181 S**: The main north-south highway running through the center of the map.
- FM 327**: A major east-west highway intersecting US HWY 181 S.
- Richier Rd**: A local road running east-west, intersecting US HWY 181 S.
- Old Corpus Christi Rd**: A local road running east-west, south of Richier Rd.
- Site**: Indicated by a shaded area on the east side of US HWY 181 S, south of the intersection with Richier Rd.
- City Limits**: Labeled for COSA CITY, SAN ANTONIO ETJ, BEXAR COUNTY, and the CITY OF ELMENDORF.
- North Arrow**: Located in the top right corner of the map.

NOT-TO-SCALE

SCALE: 1" = 50'

0' 50' 100' 150'

The diagram illustrates a sewer line layout with the following components and labels:

- PROJECT LIMITS**: Indicated by a solid horizontal line at the top.
- EXISTING WATER**: Represented by a dashed horizontal line labeled "W".
- EXISTING SEWER**: Represented by a dashed horizontal line with an arrow pointing right, labeled "SS".
- PROPOSED SEWER**: Represented by a solid horizontal line with an arrow pointing right, labeled "SS".
- MANHOLE**: A circular symbol with a cross inside, located on the existing sewer line.
- FIRE HYDRANT**: A symbol of a fire hydrant with a cross, located near the manhole.
- PROPOSED WATER**: Represented by a solid horizontal line below the fire hydrant.
- PROPOSED SEWER LATERAL**: A vertical line connecting the proposed sewer to the existing sewer.
- FINISHED FLOOR ELEVATION FOR SEWER**: A rectangular box containing the text "FF = XXXX.XX".
- EXISTING TREES TO REMAIN UNROOTED**: A symbol of a tree with a cross inside, located near the fire hydrant.
- VNAE**: A label for a "VEGETATION NON ACCESS EASEMENT", shown as a shaded area with a tree symbol.

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 ELECTRICAL, 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 NOT BE REQUIRED TO TEST A MINIMUM OF FOUR (4) 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.

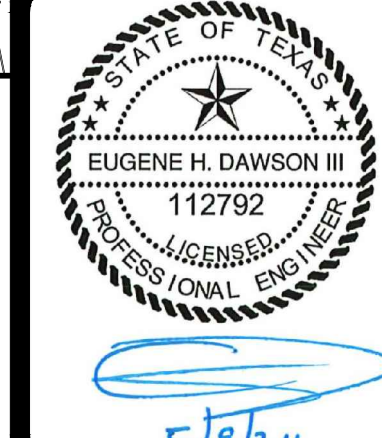
1. THE FINISHED FLOOR ELEVATIONS (FF) REPRESENT THE MINIMUM POSSIBLE FLOOR ELEVATION TO PROVIDE SANITARY SEWER SERVICE TO THE ACTUAL FLOOR ELEVATIONS. EACH LOT'S FINISHED FLOOR ELEVATION IS TO BE DETERMINED BY THE BUILDER AND SHALL TAKE INTO CONSIDERATION AS-BUILT CONDITIONS FOR FOUND SEWER SERVICES AND ACTUAL LATERAL PLACEMENT. IT IS THE BUILDER'S SOLE RESPONSIBILITY TO PROVIDE THE ACTUAL FINISHED FLOOR ELEVATION 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 FINISHED FLOOR ELEVATIONS WERE BASED UPON THE MINIMUM FINISHED FLOOR ELEVATIONS FOR THE LOTS LOCATED ON THE DOWNHILL SIDES OF THE PROPOSED ROADSWAYS.

A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY RIGHTS-OF-WAY.

LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND TV EASEMENT.

Date: April 26, 2023, 3:27 PM - User ID: jramos
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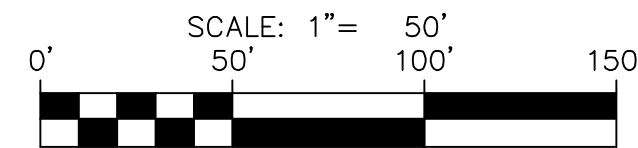
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**PAPE-DAWSON
ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028600

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
OVERALL SANITARY SEWER PLAN

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C5.00



SEWER LEGEND

PROJECT LIMITS

EXISTING WATER

EXISTING SEWER

PROPOSED SEWER

PROPOSED WATER

PROPOSED SEWER LATERAL

FINISHED FLOOR ELEVATION
FOR SEWER

FF = XXXX.XX

EXISTING TREES TO
REMAIN UNDISTURBED

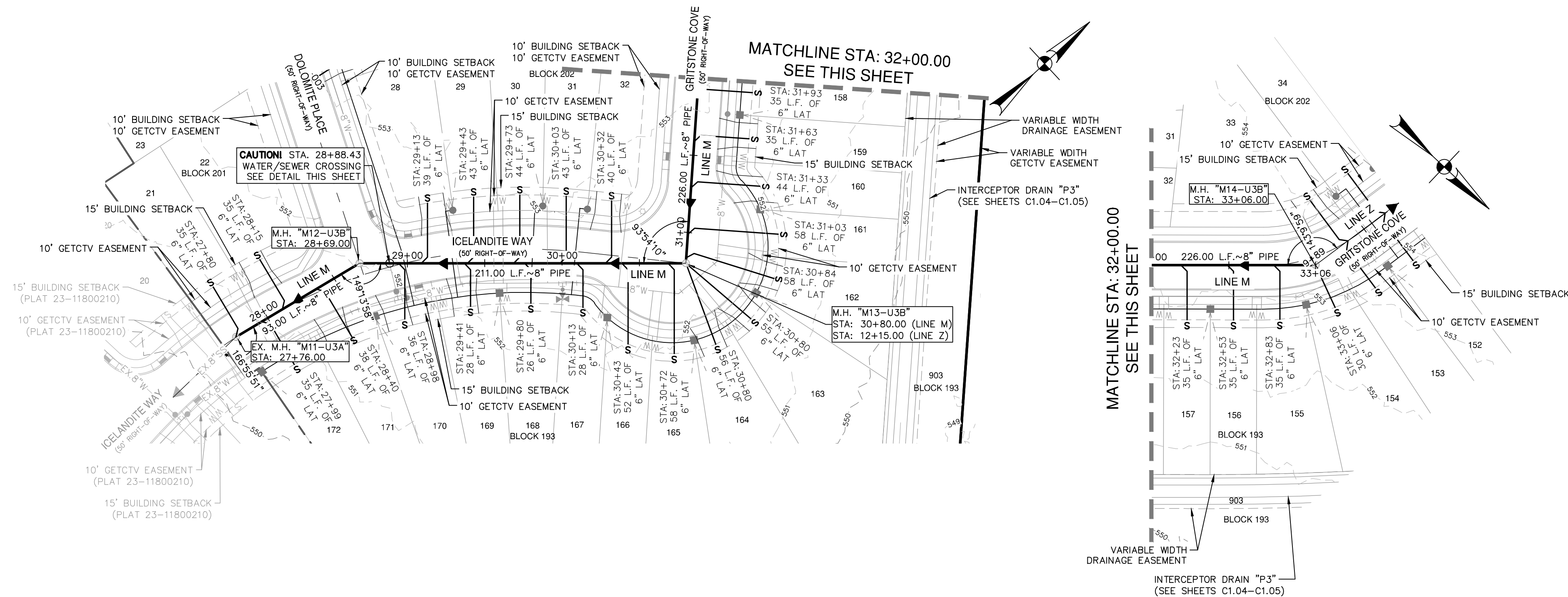
VEHICULAR NON ACCESS EASEMENT

VNAE

LATERAL WITH VERTICAL STACK
SEE PROFILE VIEW FOR LENGTH

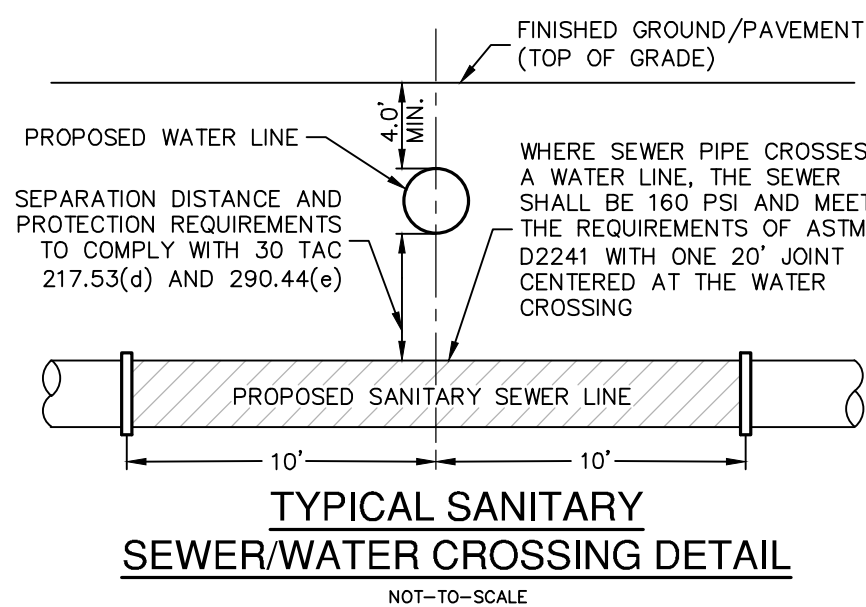
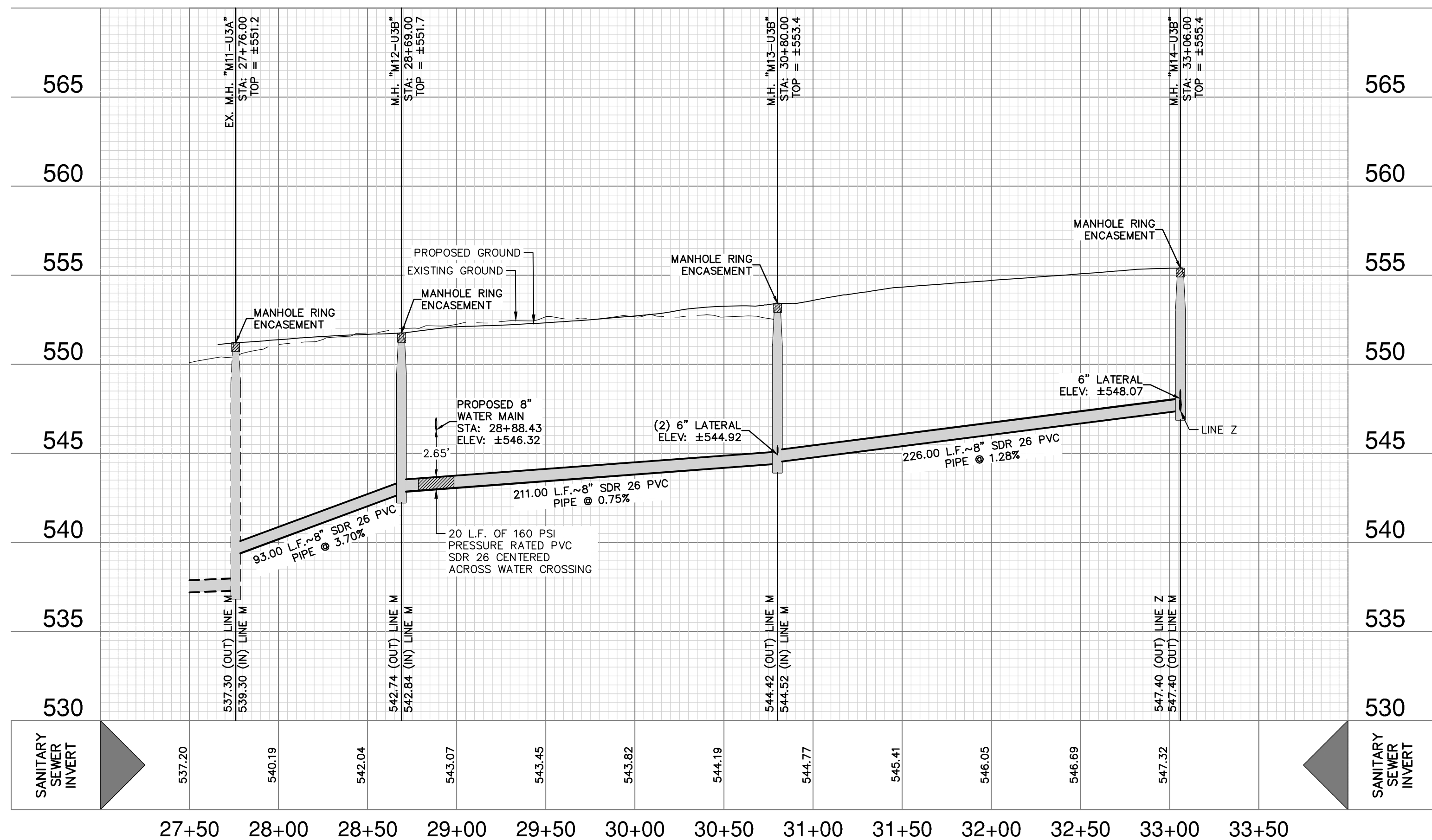
★

FIRE HYDRANT



SANITARY SEWER LINE "M"
STA. 27+76.00 TO END

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



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 BE RESPONSIBLE TO OBTAIN A MINIMUM OF 14 DAYS 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.

TRENCH EXCAVATION SAFETY PROTECTION:

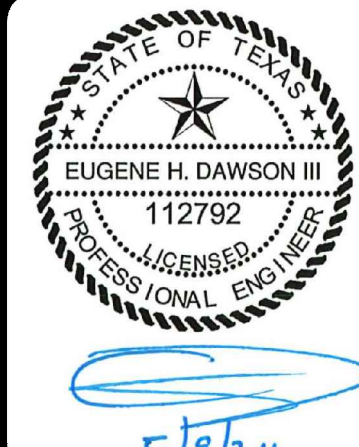
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL/GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE, WITHIN THE PROJECT WORK AREA, TO DETERMINE THAT THE CONTRACTOR'S PROPOSED 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 IN ACCORDANCE WITH ALL CURRENTLY APPLICABLE STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT TRENCH SAFETY PROGRAM IN ACCORDANCE WITH ALL CURRENTLY APPLICABLE TRENCH EXCAVATION STANDARDS AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

OPEN SPACE:

LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND CABLE TV EASEMENT.

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.
ADDRESS: 100 NF LOOP 410, SUITE 1155
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200 FAX# N/A
202526 204526
SAWS BLOCK MAP# 204526 TOTAL EDU'S 197 TOTAL ACREAGE 23.20
TOTAL LINEAR FOOTAGE OF PIPE 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212
NUMBER OF LOTS 197 SAWS JOB NO. 23-1617

[illegible]

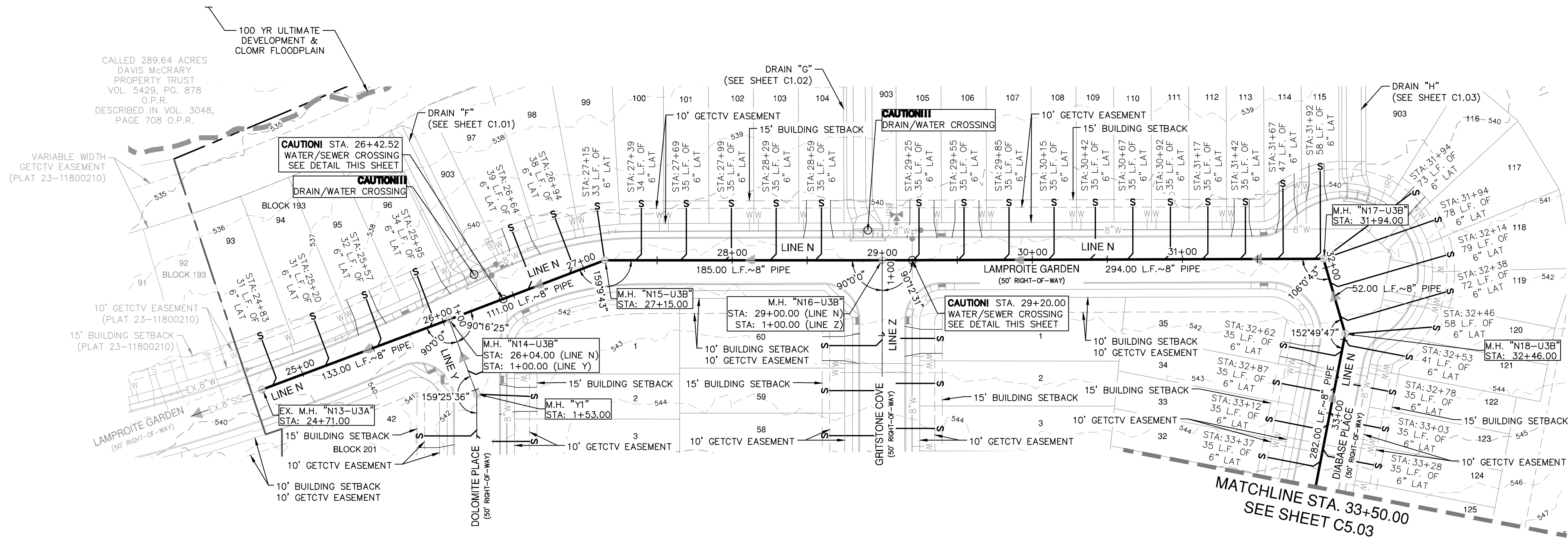
**PAPE-DAWSON
ENGINEERS**
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028600

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C5.01

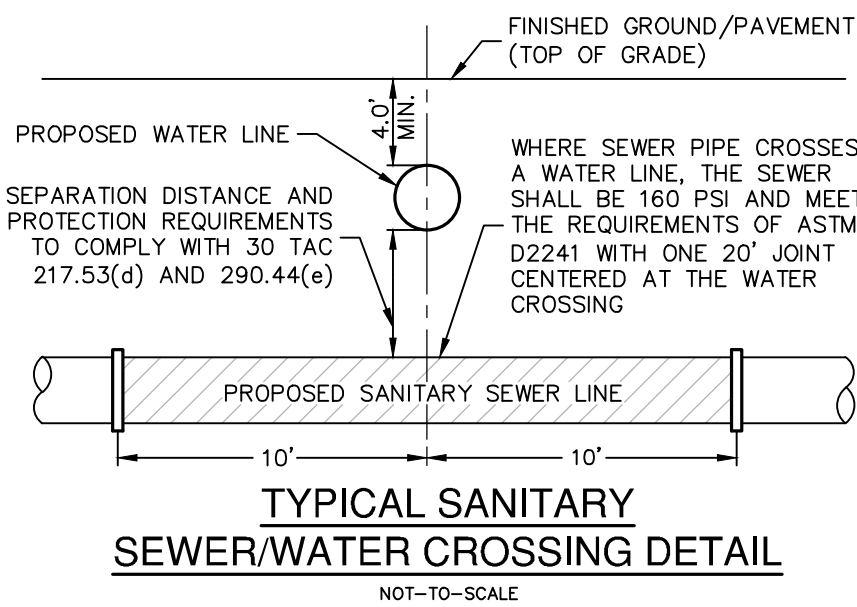
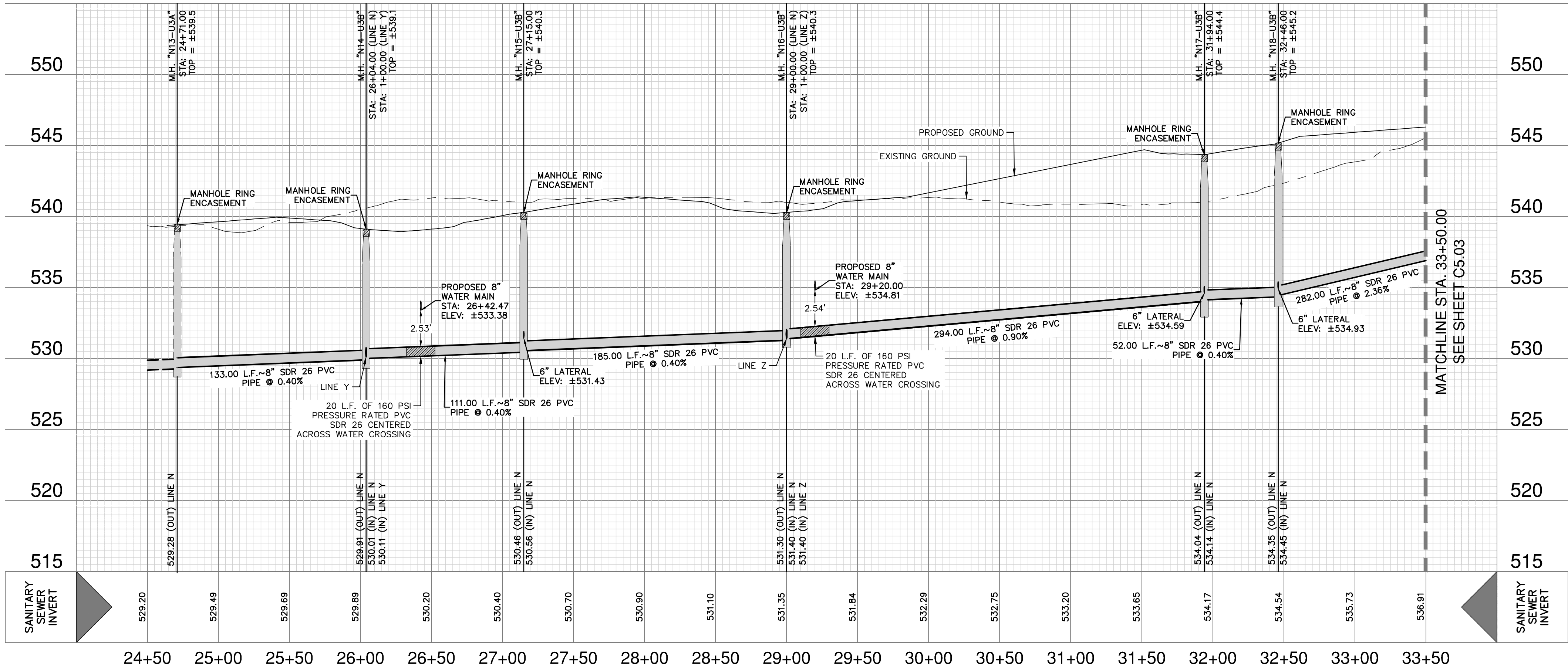
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SANITARY SEWER LINE "N"
STA. 24+71.00 TO 33+50.00

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



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.

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.

OPEN SPACE:

LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND CABLE TV EASEMENT.

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.			
ADDRESS: 100 NE LOOP 410, SUITE 1155			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78216	
PHONE# (210) 403-6200	FAX# N/A		
SAWS BLOCK MAP# 204526 TOTAL EDU'S 197 TOTAL ACREAGE 23.20			
TOTAL LINEAR FOOTAGE OF PIPE: 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212			
NUMBER OF LOTS 197		SAWS JOB NO. 23-1617	

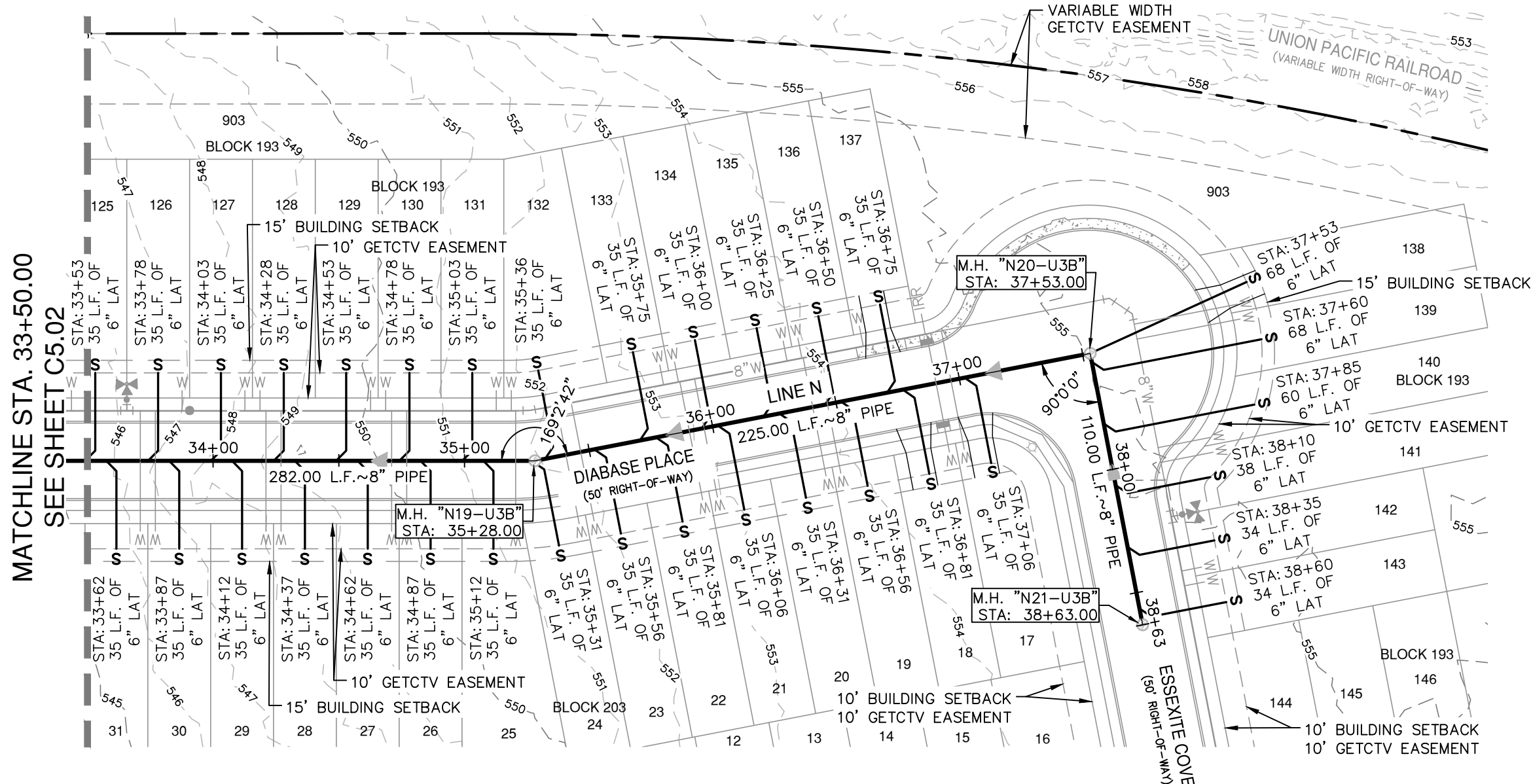
PAPE-DAWSON
ENGINEERS
EUGENE H. DAWSON
112792
5/7/24
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
SANITARY SEWER LINE N PLAN & PROFILE
(STA. 24+71.00 TO 33+50.00)

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C5.02

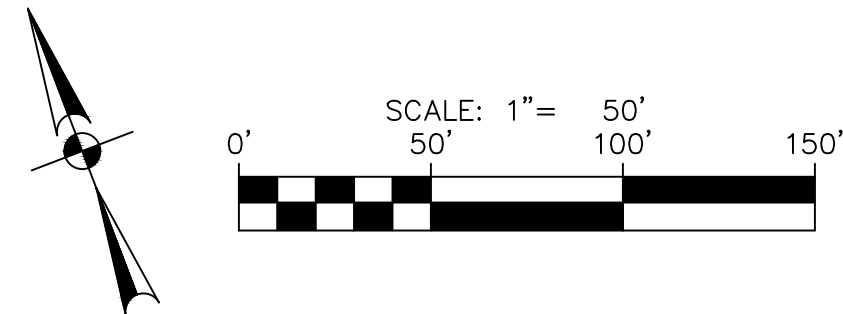
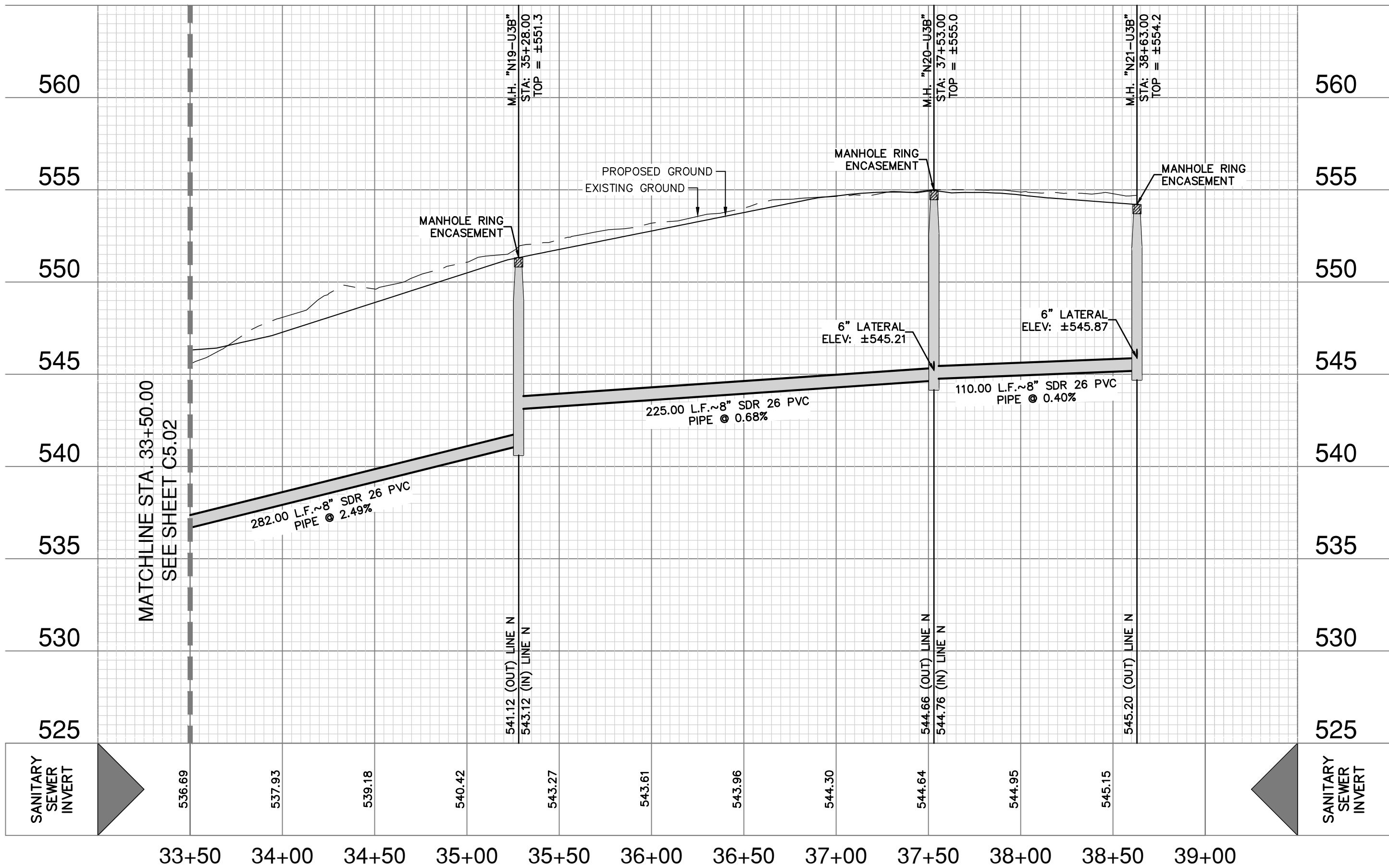
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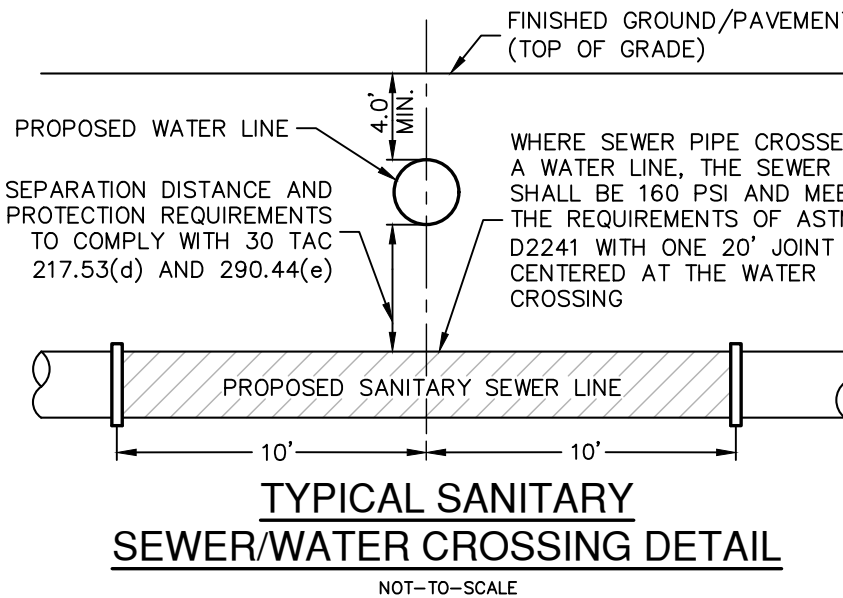
SANITARY SEWER LINE "N"
STA. 33+50.00 TO END

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



SEWER LEGEND

- PROJECT LIMITS
EXISTING WATER
EXISTING SEWER
PROPOSED SEWER
PROPOSED WATER
PROPOSED SEWER LATERAL
FINISHED FLOOR ELEVATION FOR SEWER
EXISTING TREES TO REMAIN UNDISTURBED
VEHICULAR NON ACCESS EASEMENT
LATERAL WITH VERTICAL STACK
SEE PROFILE VIEW FOR LENGTH
- W
SS
SS
W
FF = XXXX.XX
VNAE
*



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, 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.

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.

OPEN SPACE:

LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND CABLE TV EASEMENT.

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.
ADDRESS: 100 NE LOOP 410, SUITE 1155
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200 FAX# N/A
SAWS BLOCK MAP# 202526, 204525 TOTAL EDU'S 197 TOTAL ACREAGE 23.20
TOTAL LINEAR FOOTAGE OF PIPE 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212
NUMBER OF LOTS 197 SAWS JOB NO. 23-1617

NO.	REVISION	DATE



PAPE-DAWSON
ENGINEERS

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

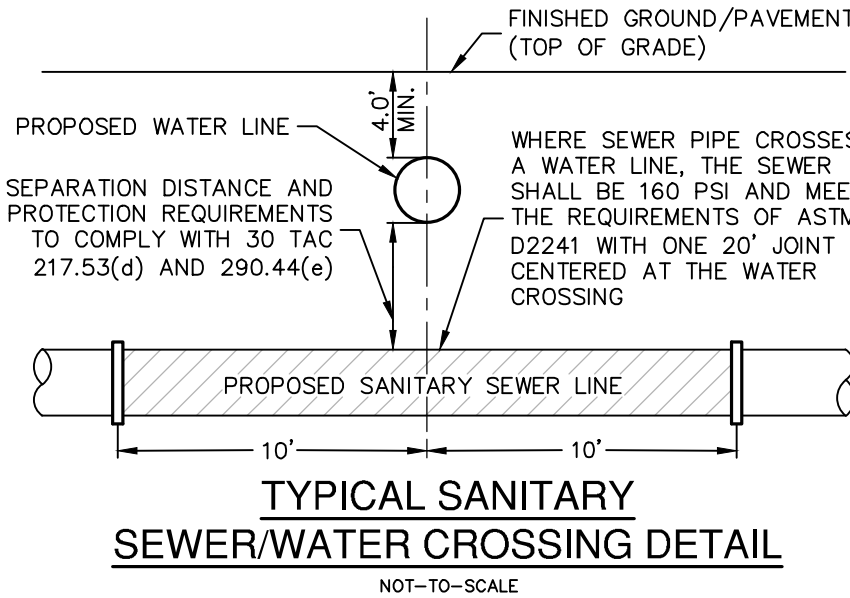
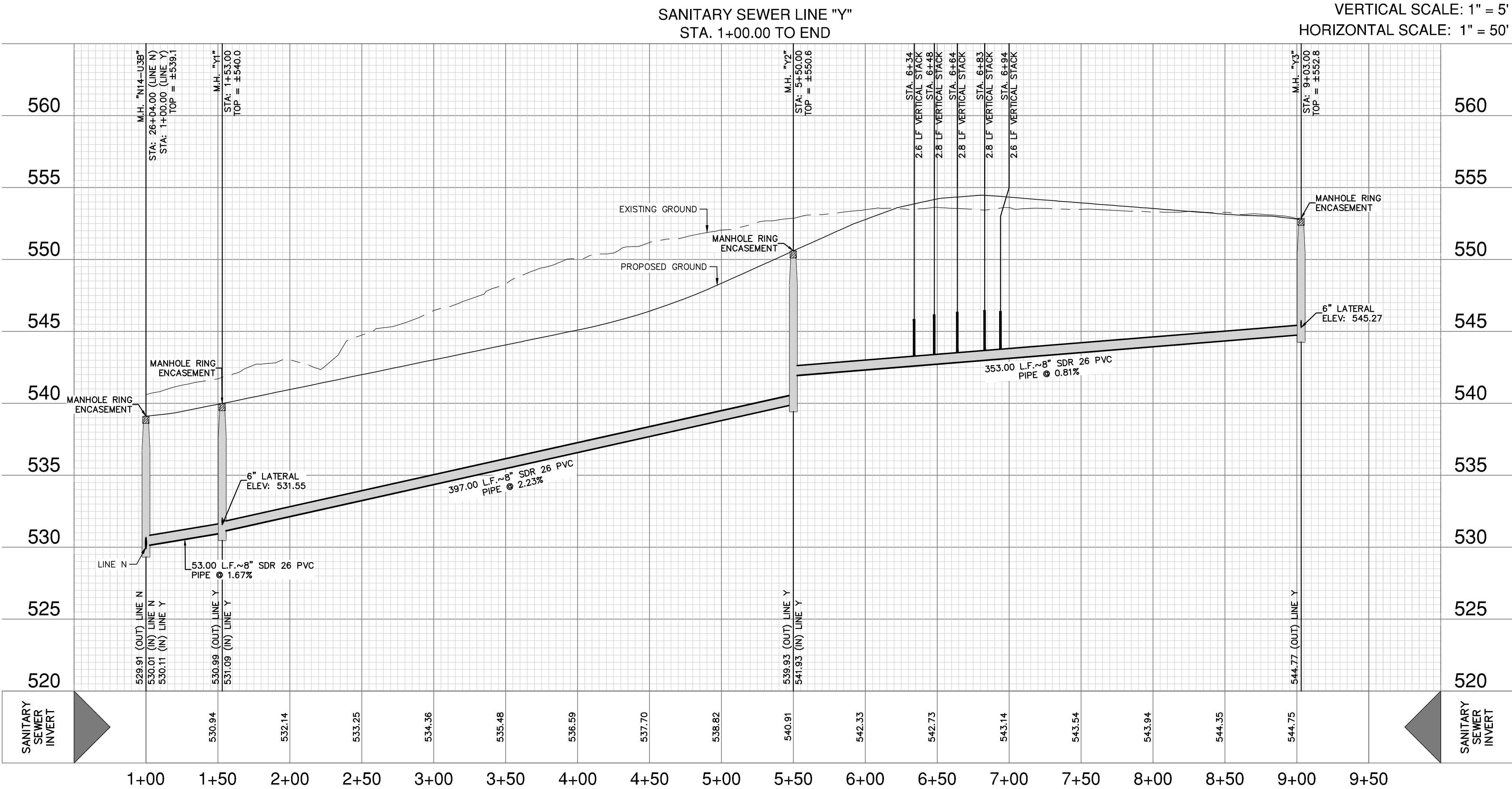
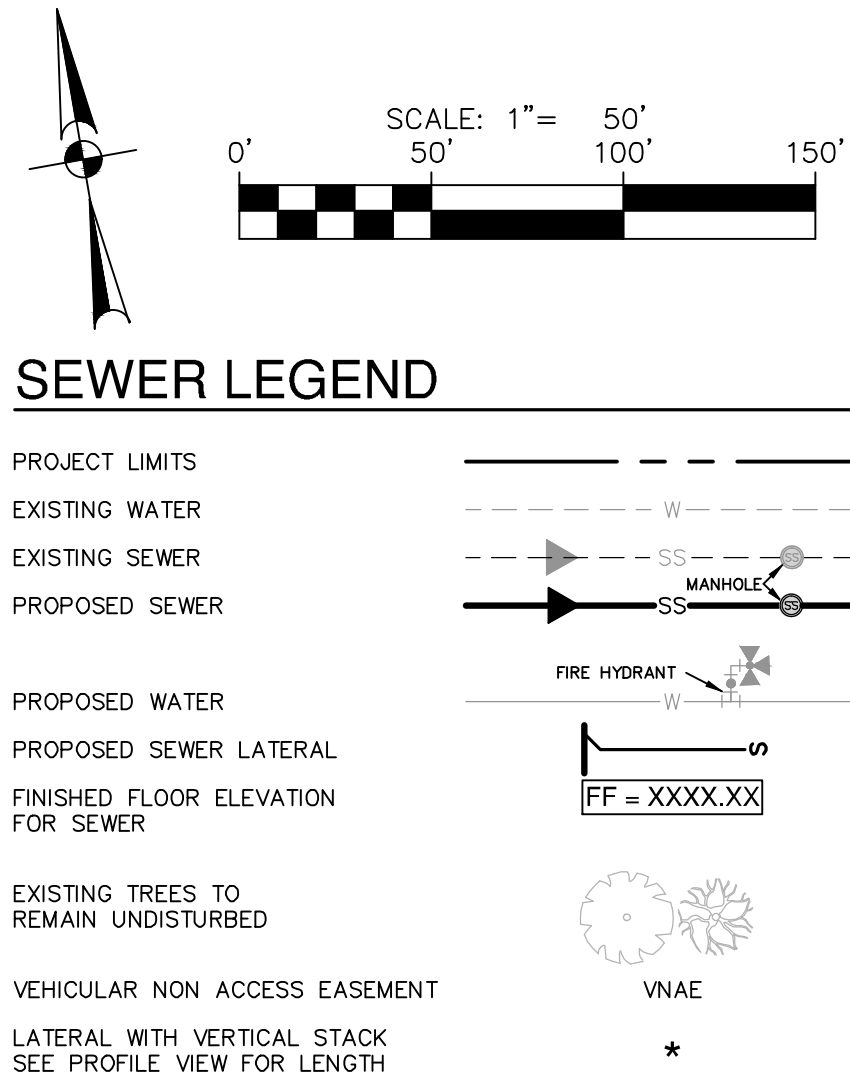
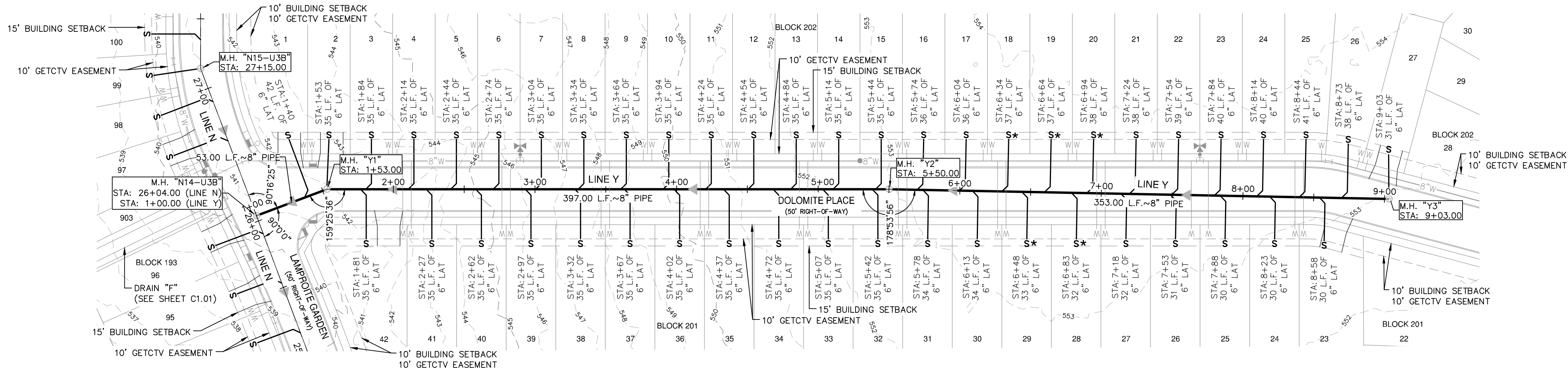
STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

SANITARY SEWER LINE N PLAN & PROFILE
(STA. 33+50.00 TO END)

PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	FEBRUARY 2024
DESIGNER	BK
CHECKED	DW
DRAWN	JR
SHEET	C5.03

Dates: April 26, 2023, 3:35 PM - User ID: jramos
File: P:\24\62\10\Design\Civil\SS1248210 LINE Y.dwg

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OPEN SPACE:
LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND CABLE TV EASEMENT.

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.			
ADDRESS: 100 NE LOOP 410, SUITE 1155			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78216	
PHONE# (210) 403-6200	FAX# N/A	202526, 204526	
SAWS BLOCK MAP# 204526, TOTAL EDU'S 197, TOTAL ACREAGE 23.20			
TOTAL LINEAR FOOTAGE OF PIPE: 3,614 LF ~ 8\"/>			

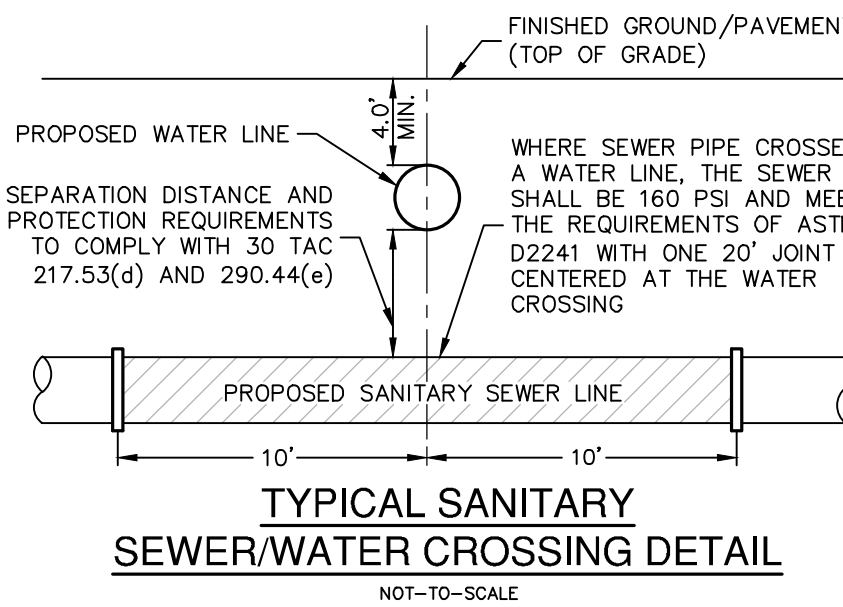
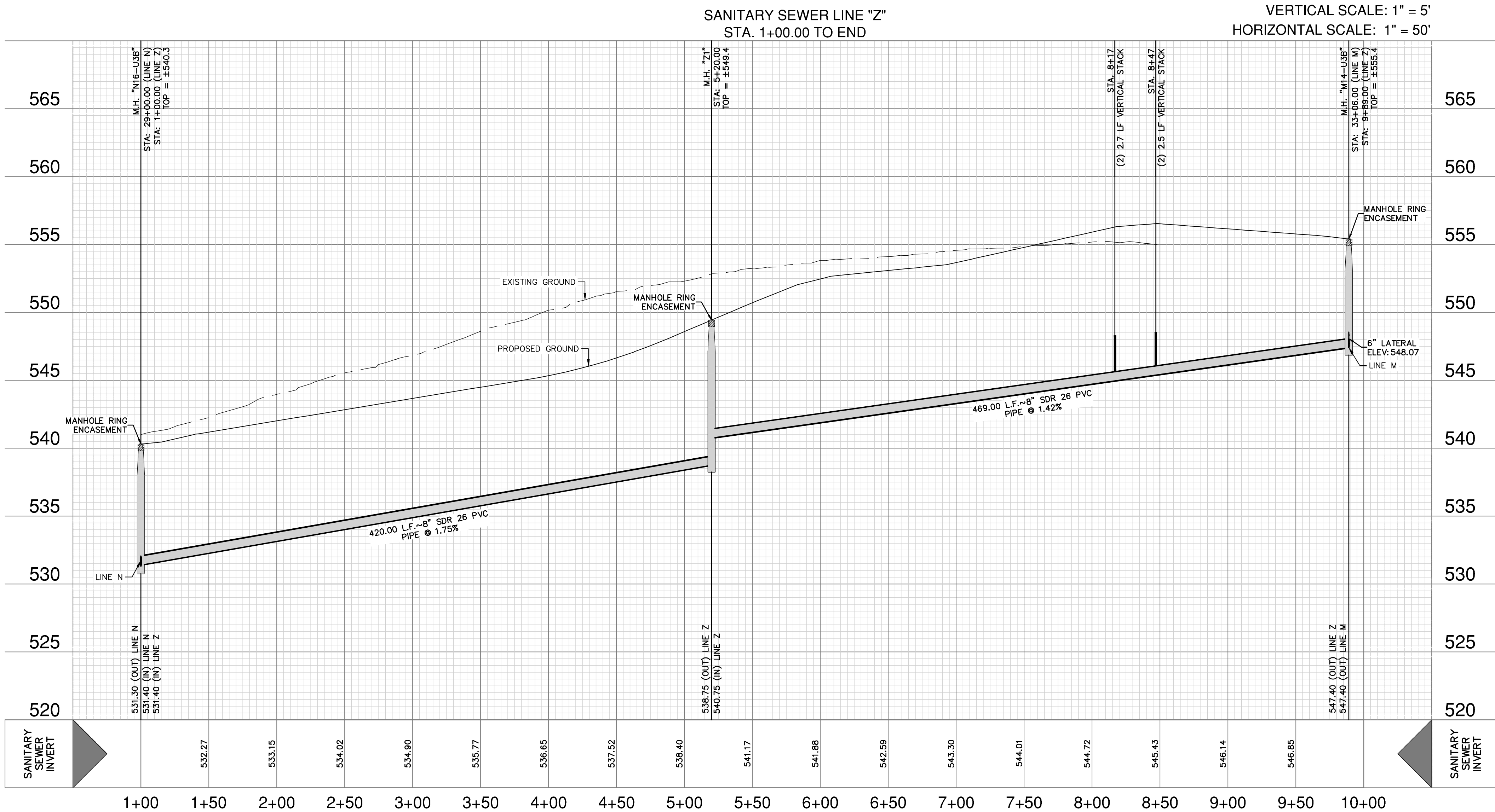
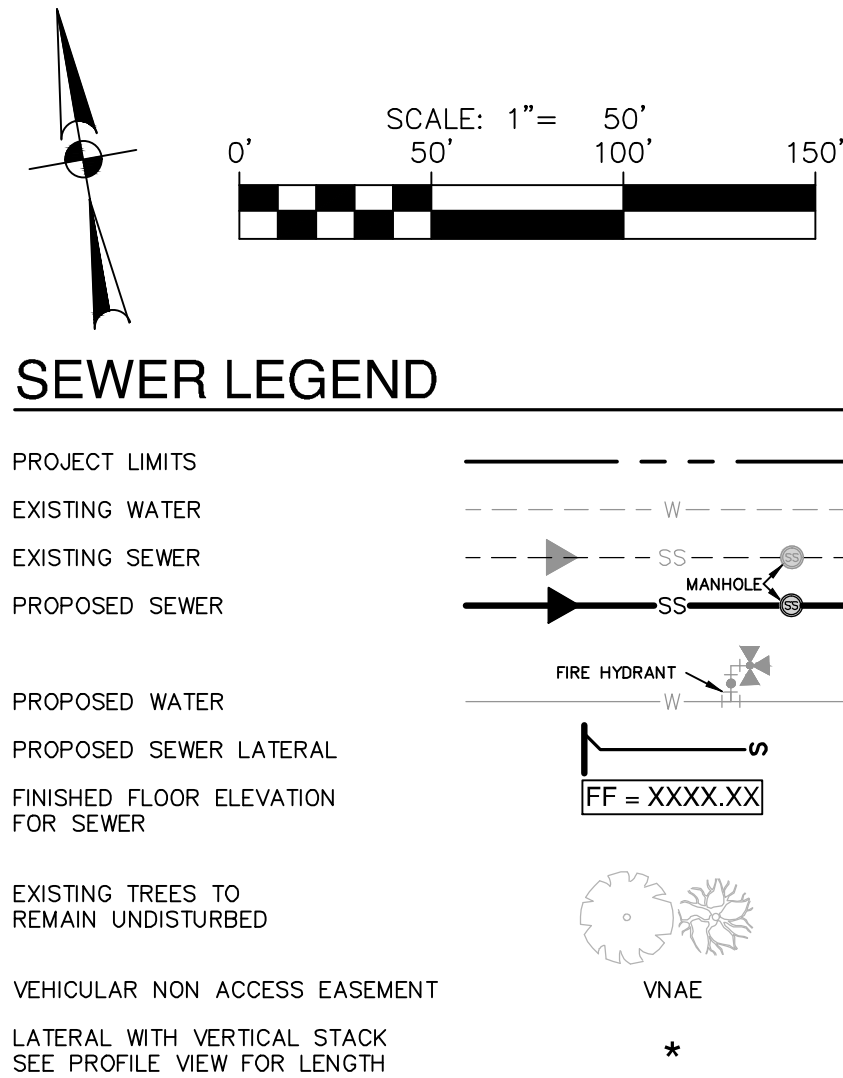
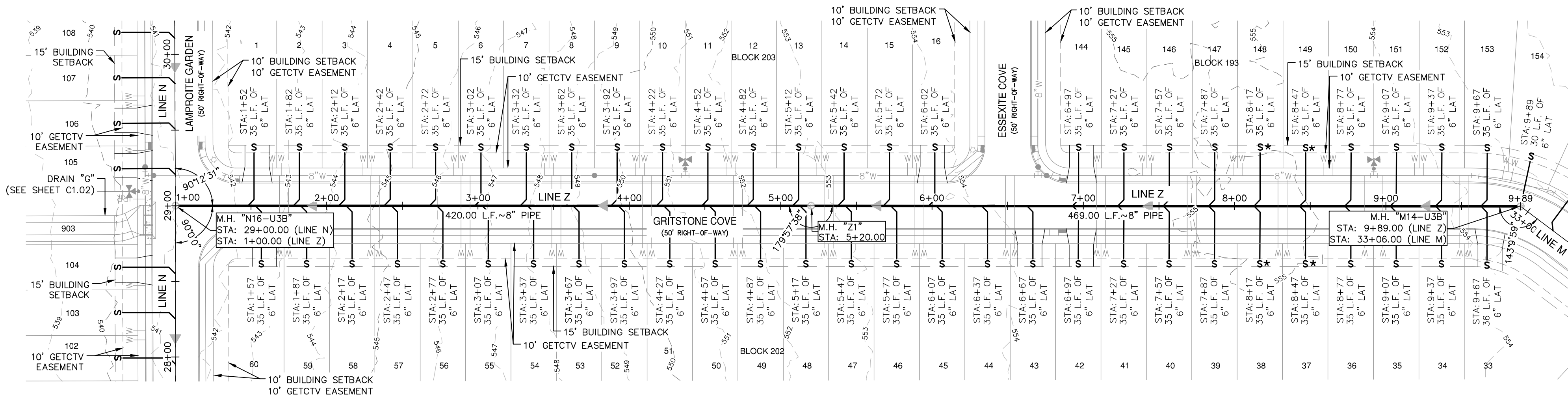
PAPE-DAWSON ENGINEERS
EUGENE H. DAWSON III
112792
PROFESSIONAL ENGINEERING
5/9/24
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
SANITARY SEWER LINE Y PLAN & PROFILE
(STA. 1+00.00 TO END)

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C5.04

Dates: April 26, 2023, 3:36 PM - User ID: jramos
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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.

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.

OPEN SPACE:
LOT 903 BLOCK 193 ARE DESIGNATED AS OPEN SPACE, LANDSCAPE, DRAINAGE, ACCESS, SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND CABLE TV EASEMENT.

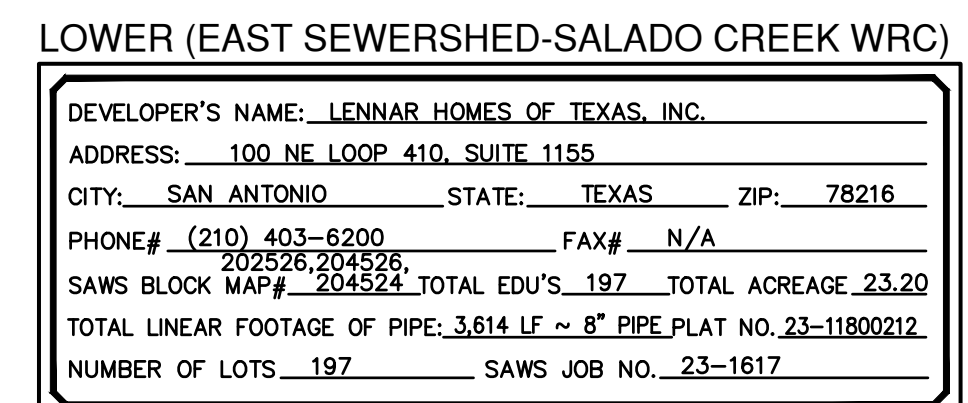
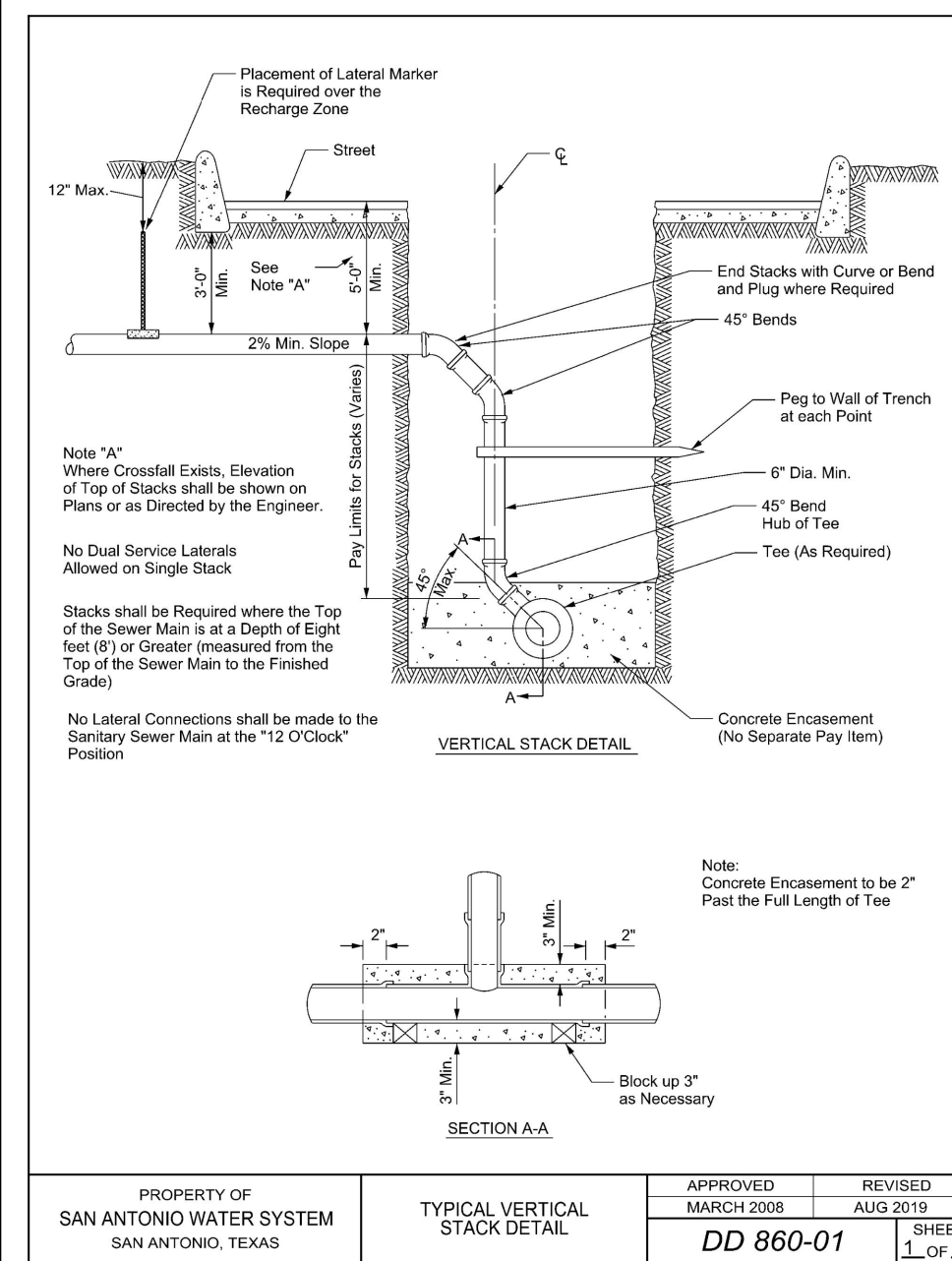
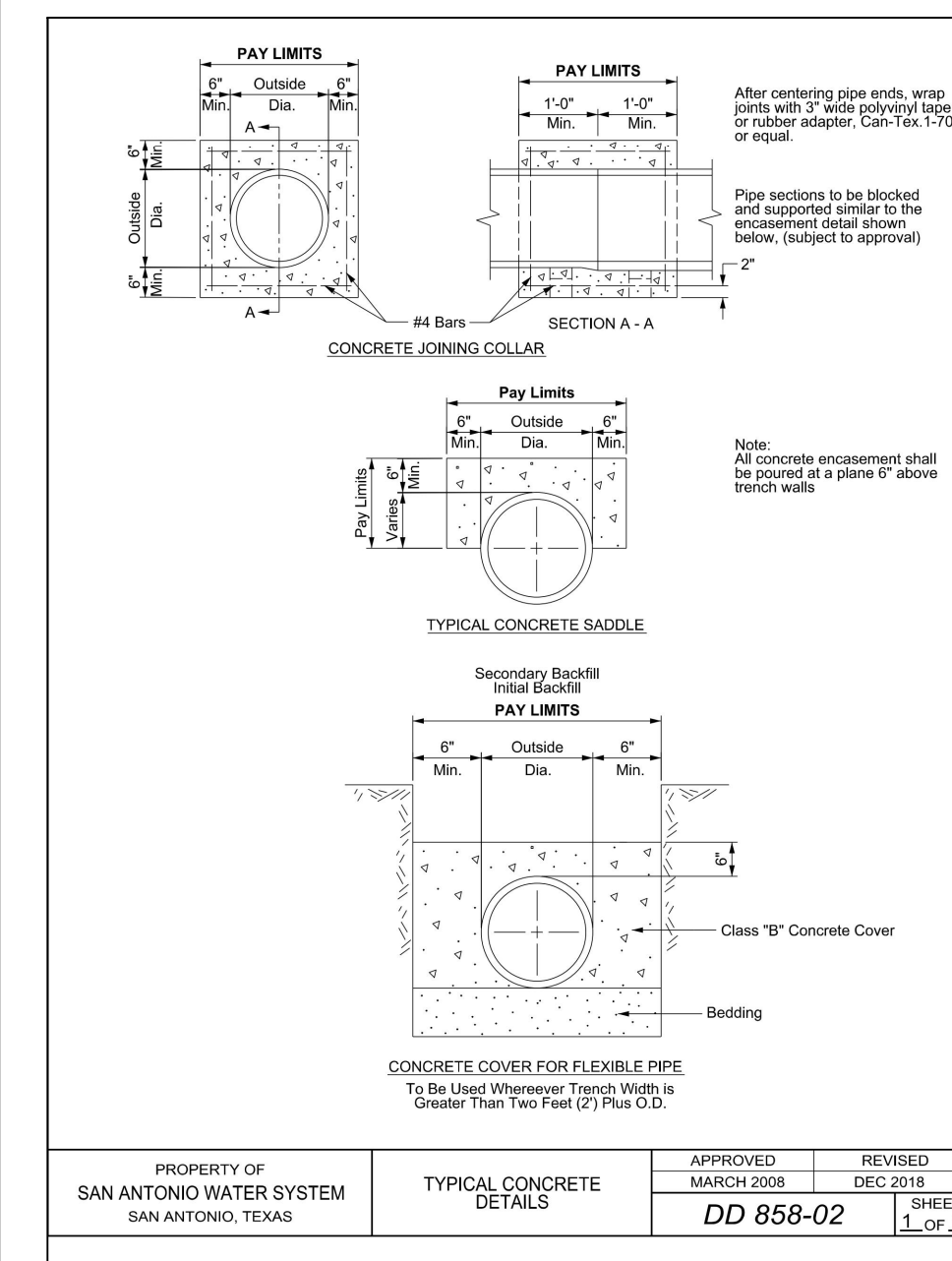
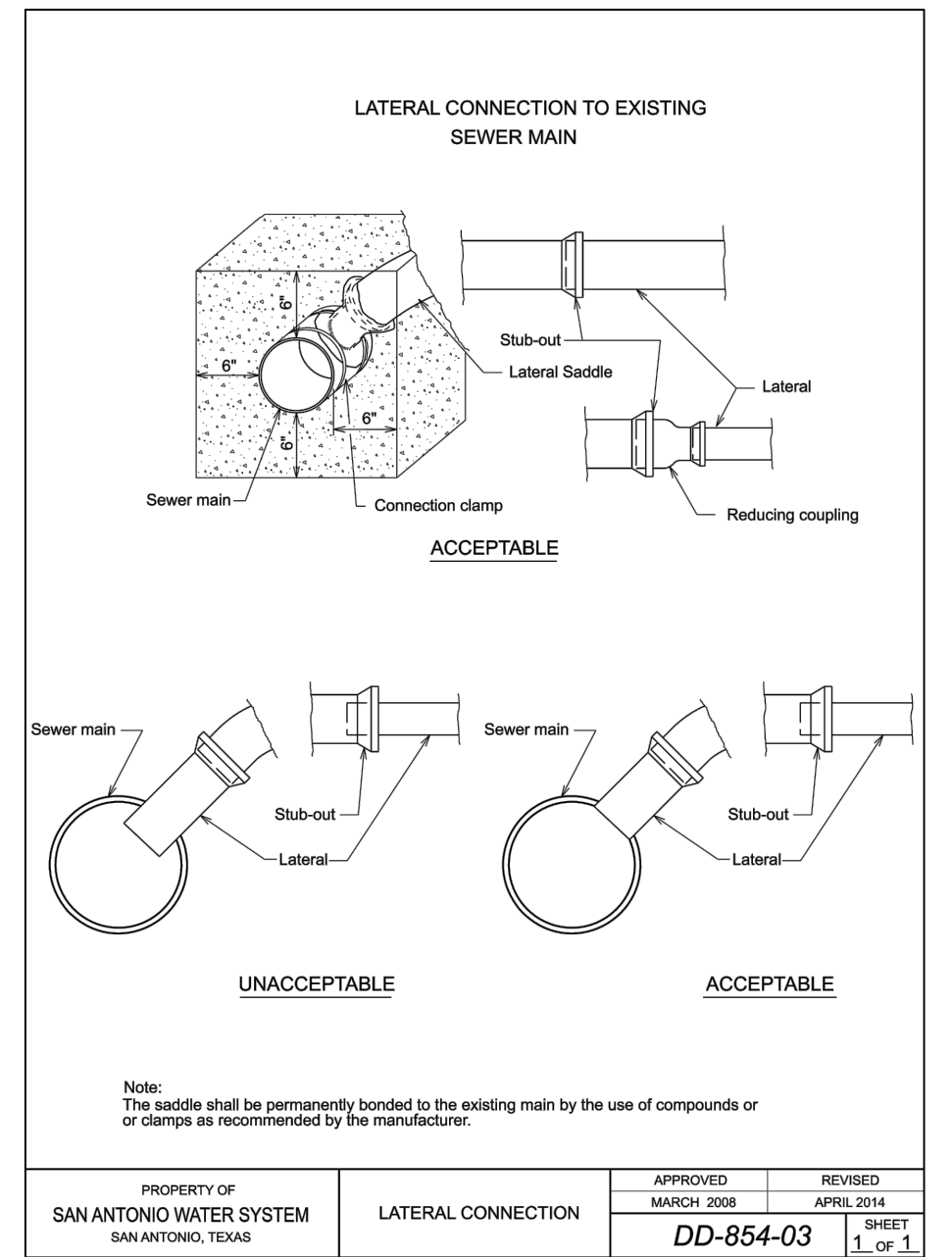
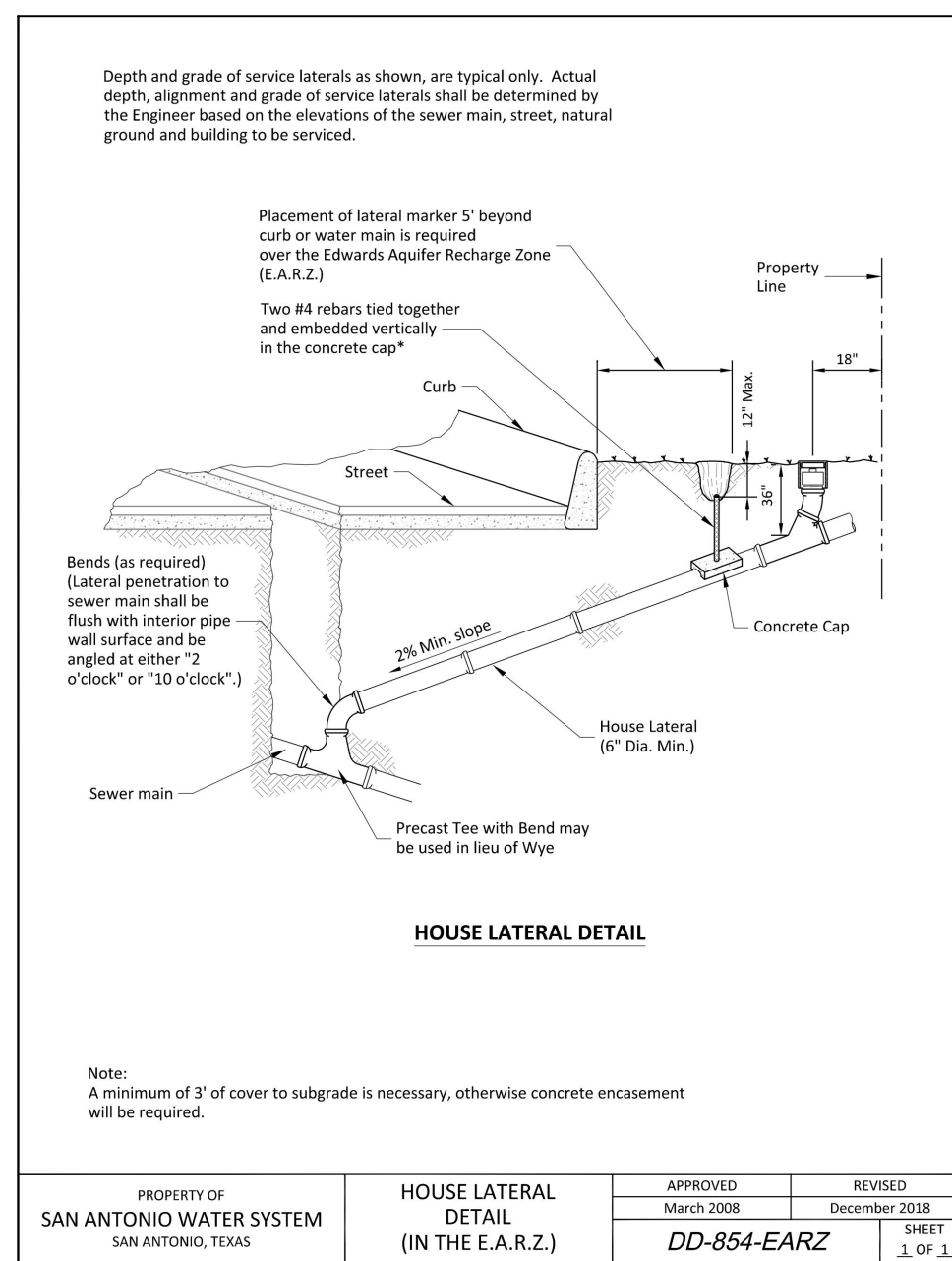
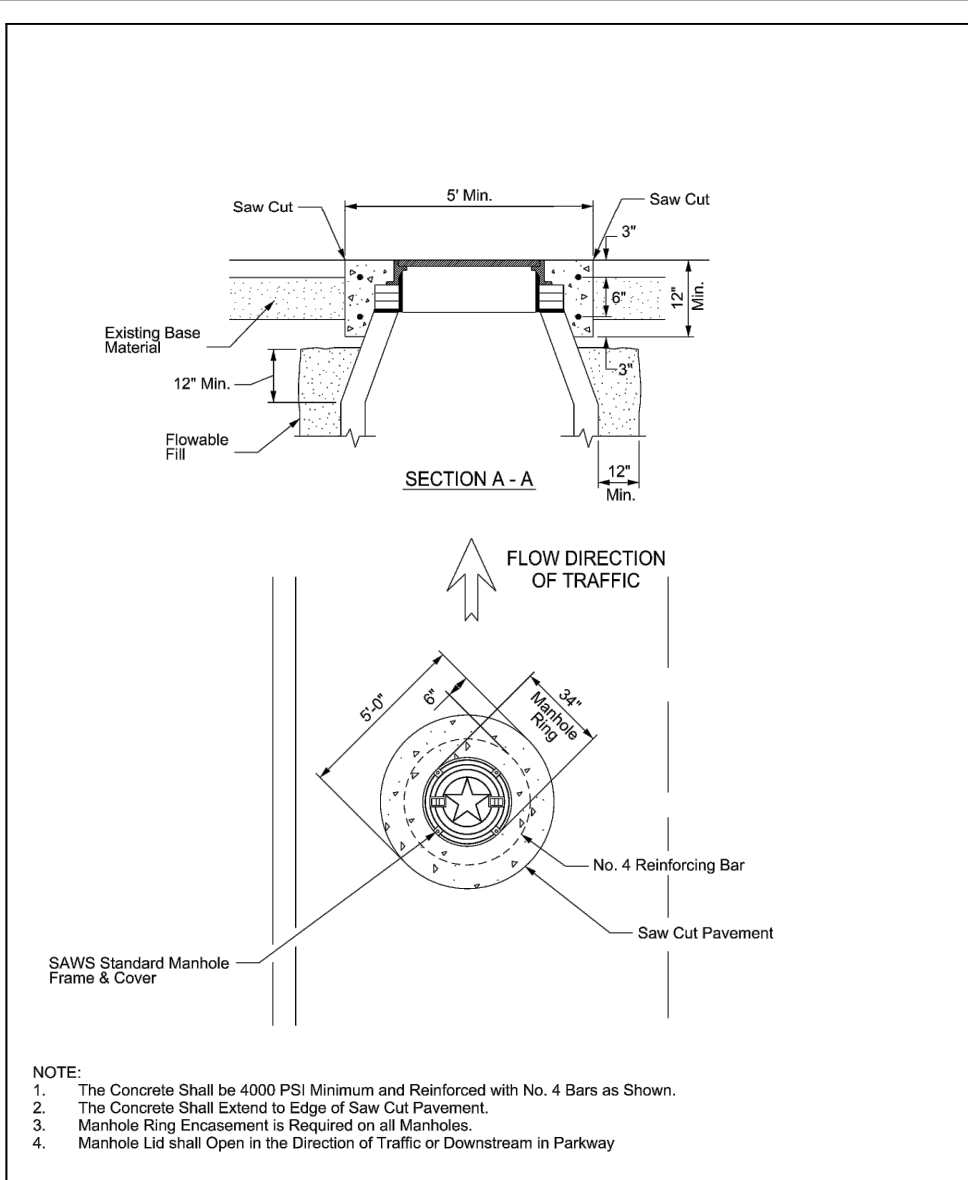
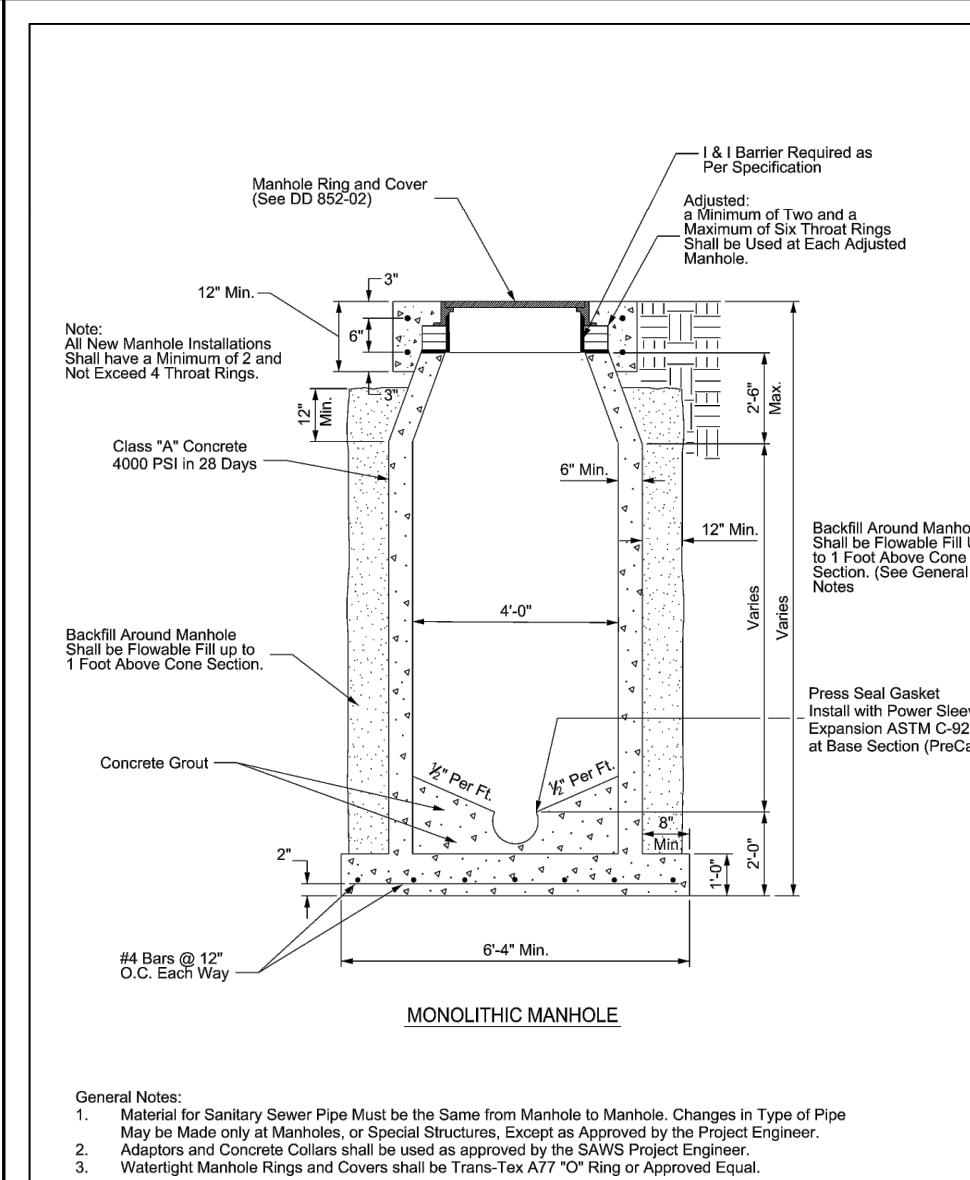
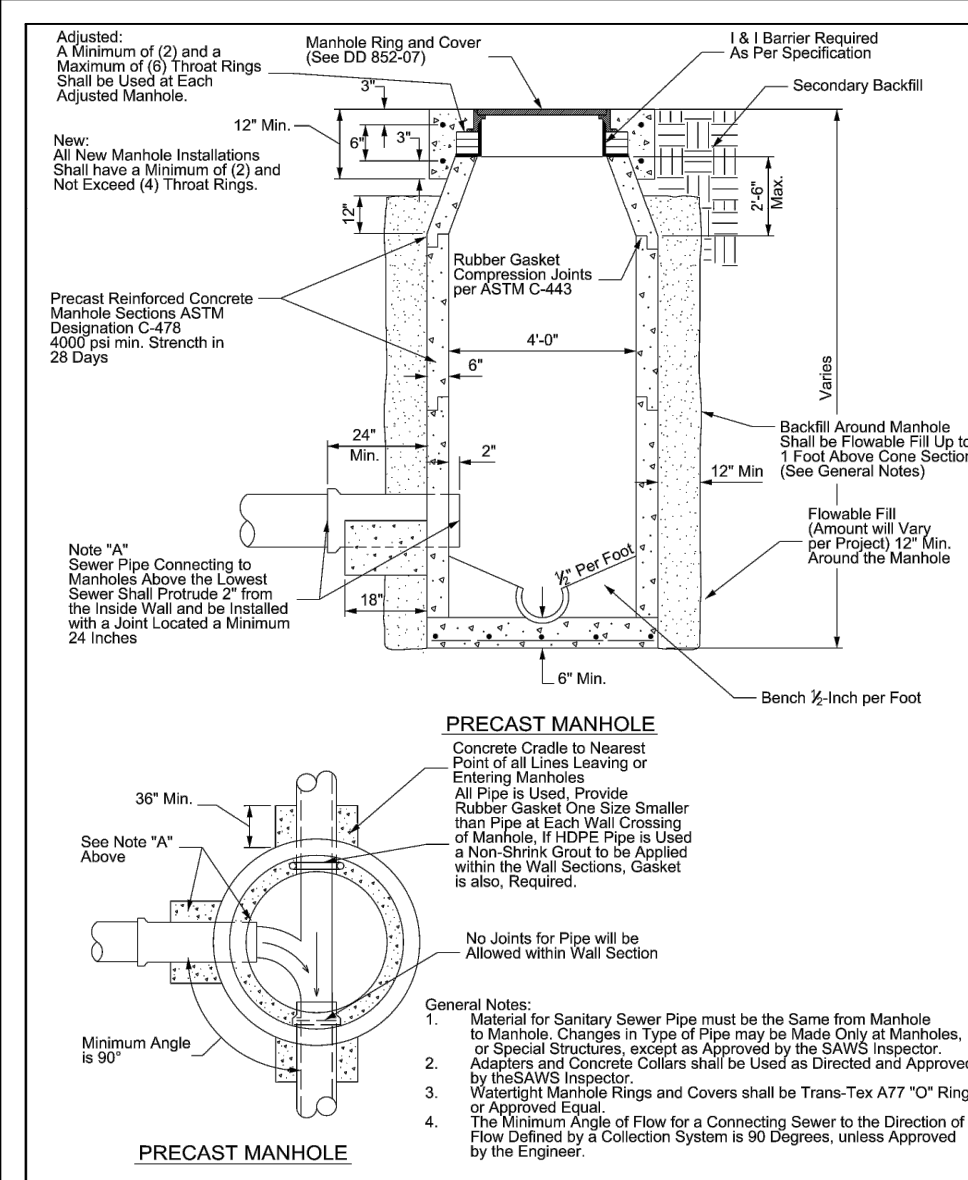
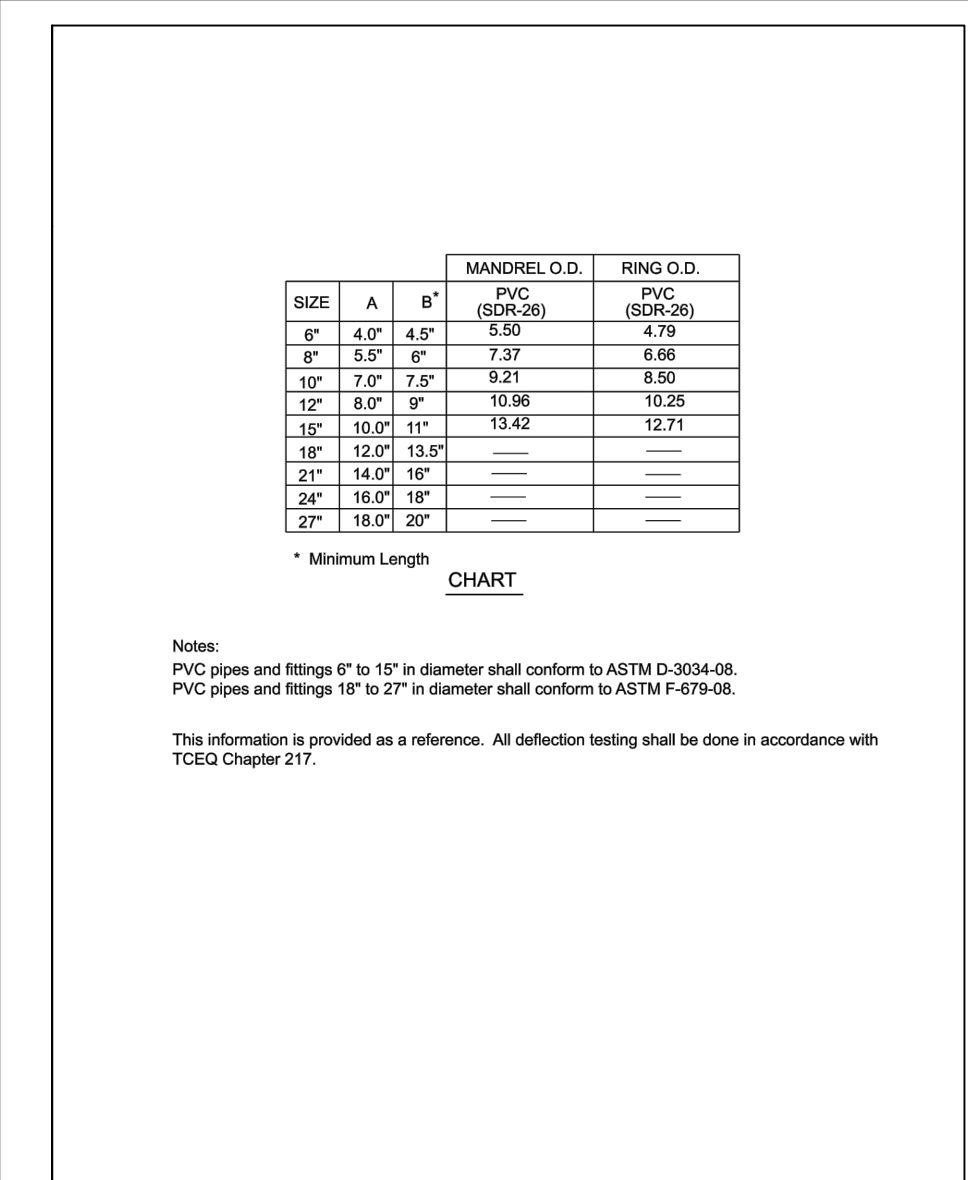
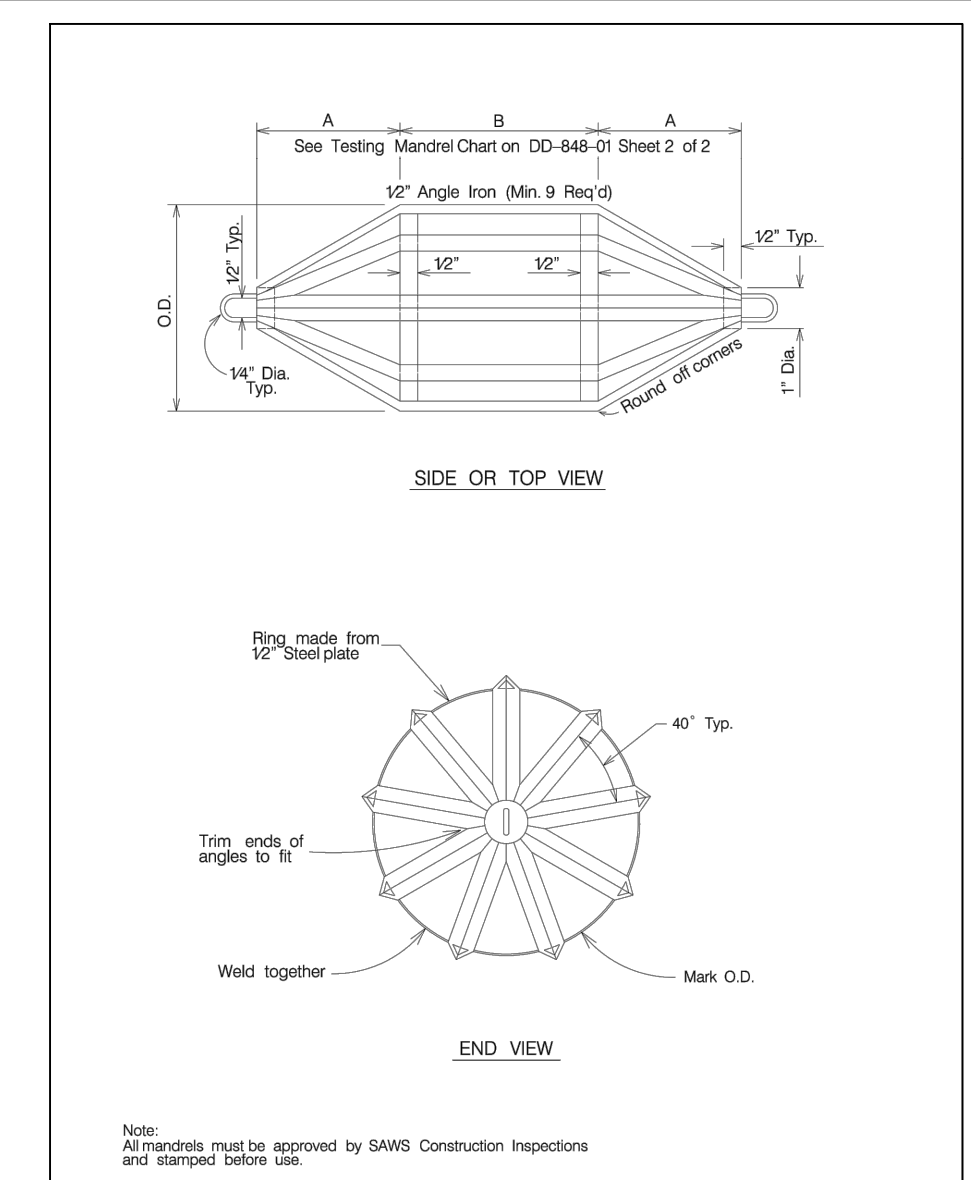
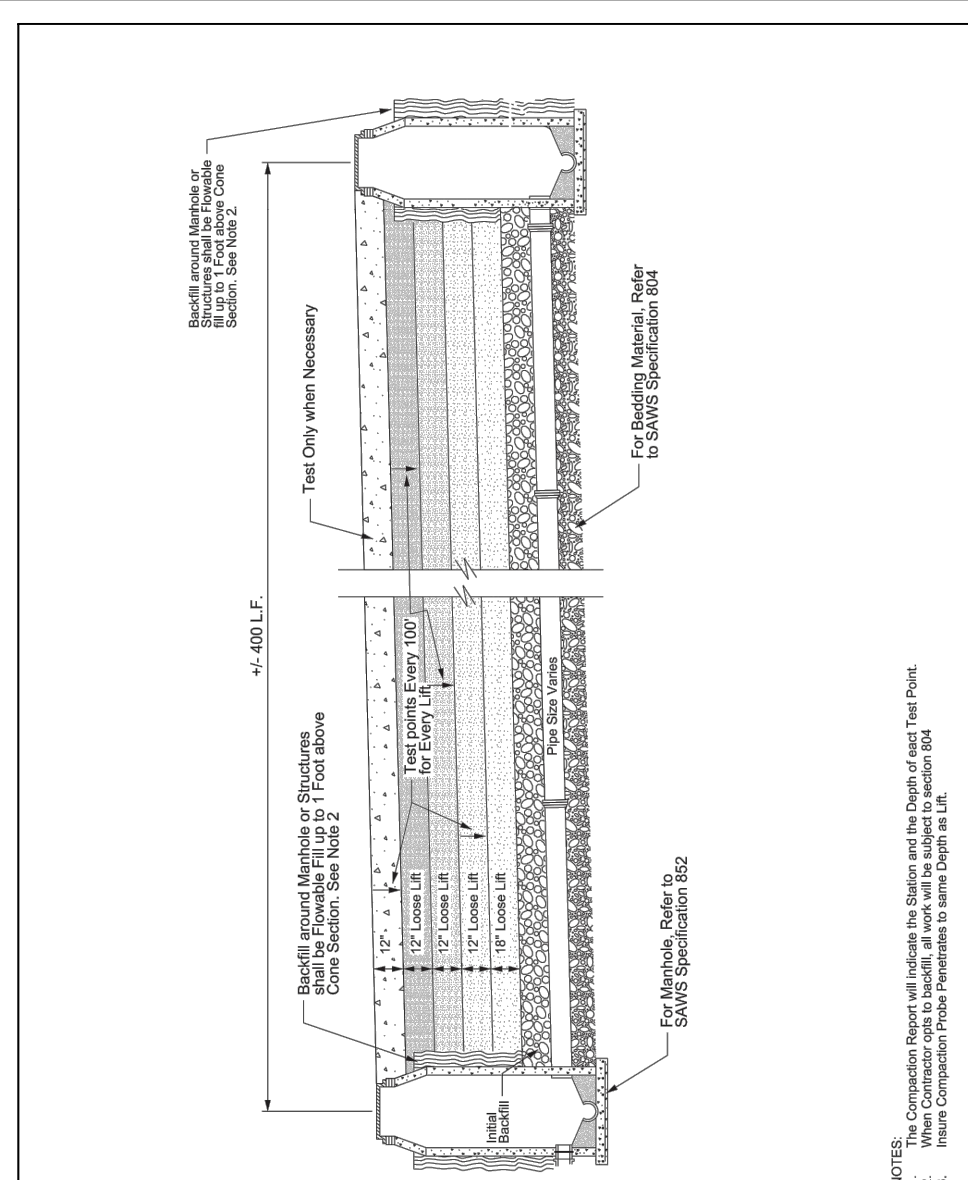
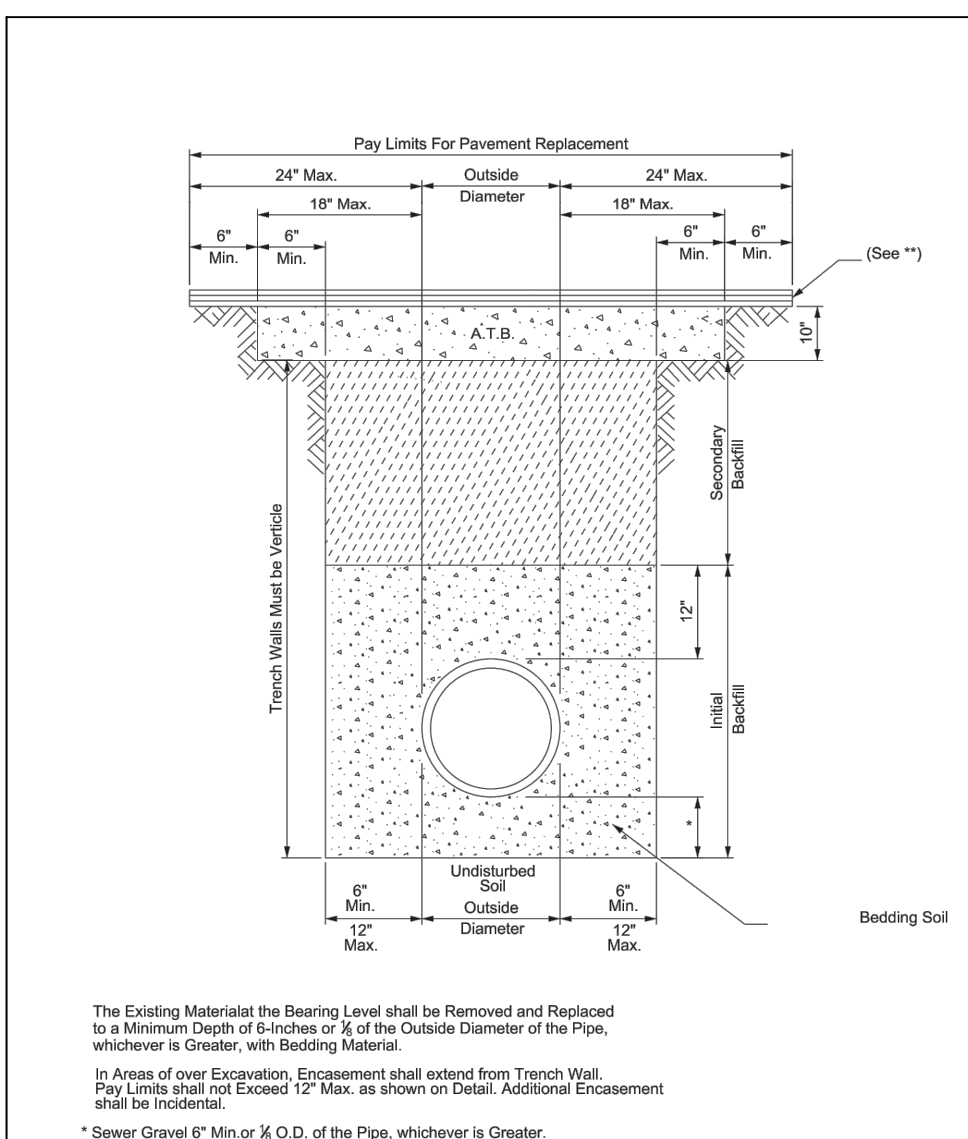
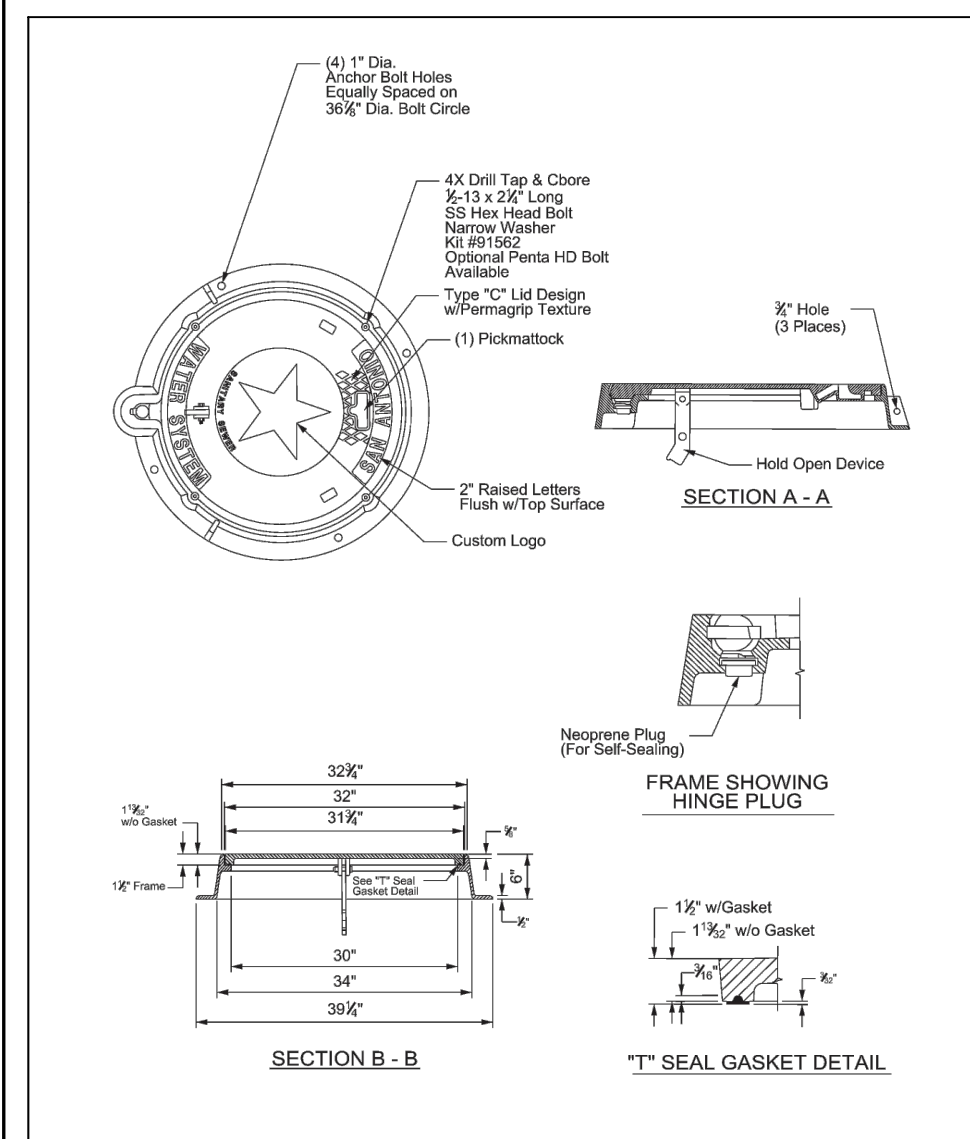
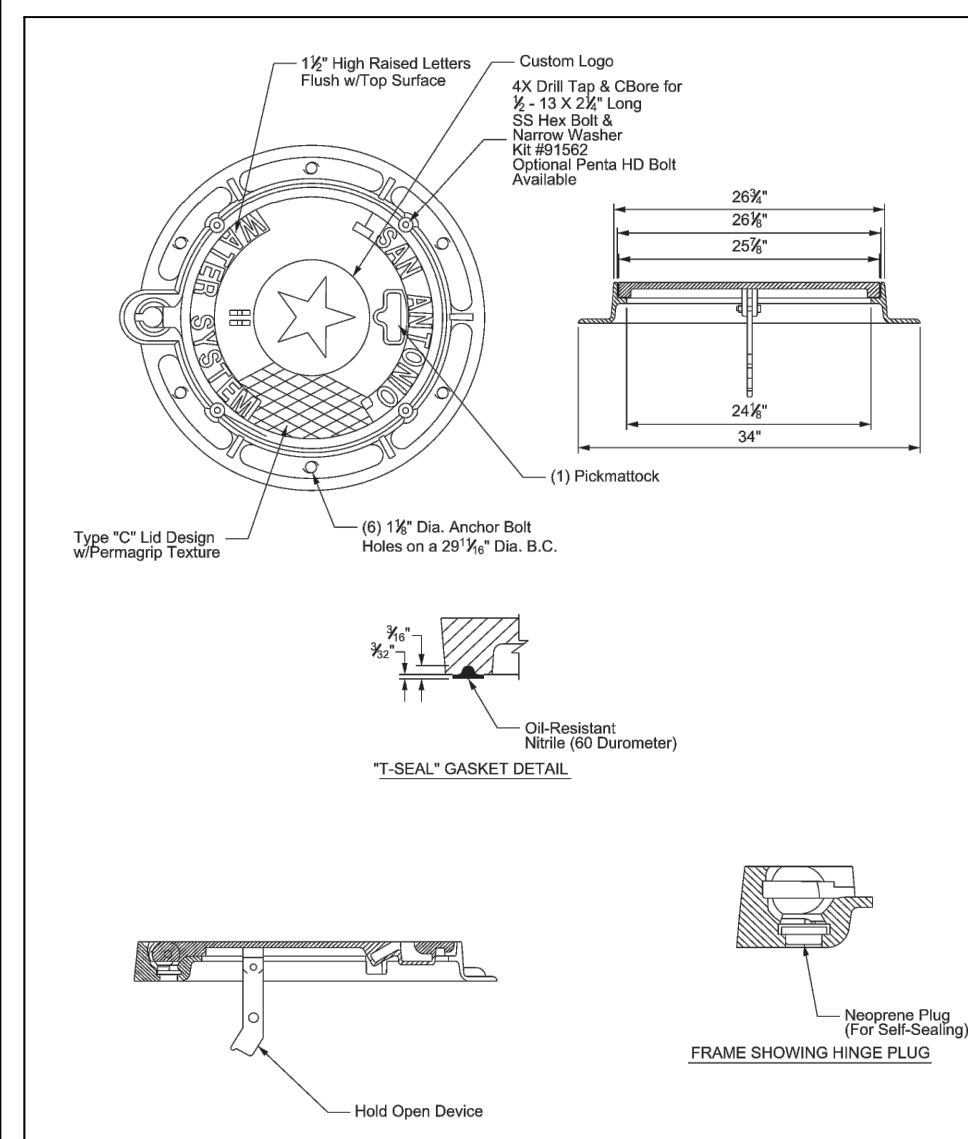
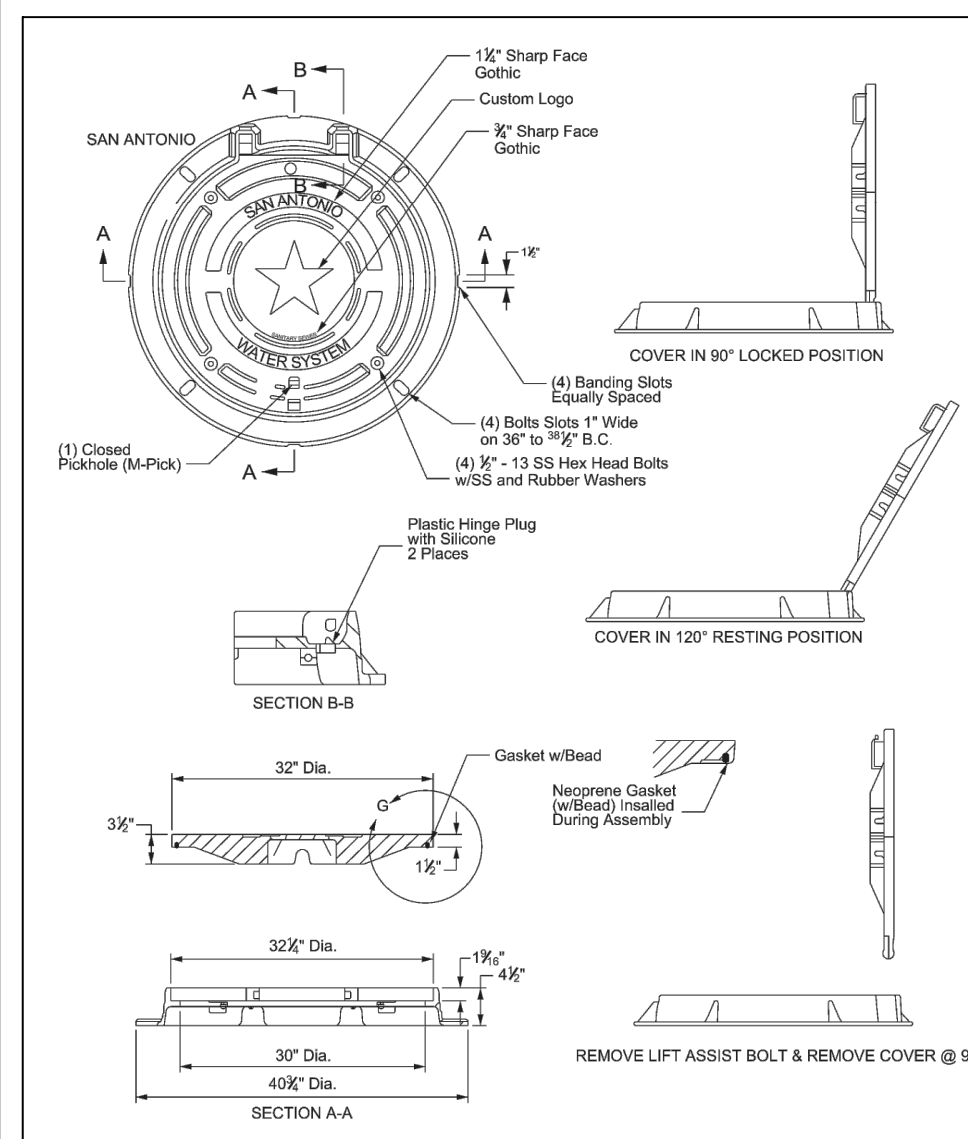
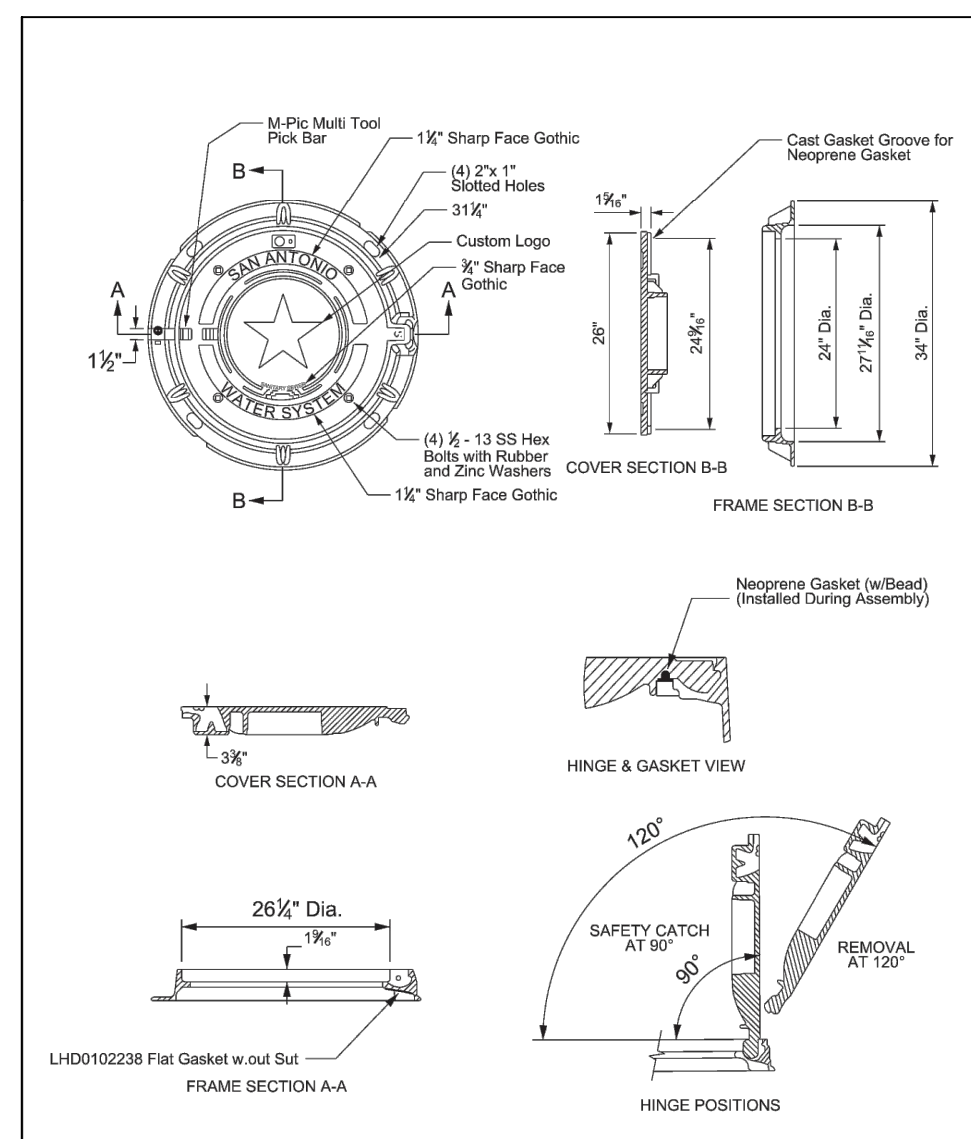
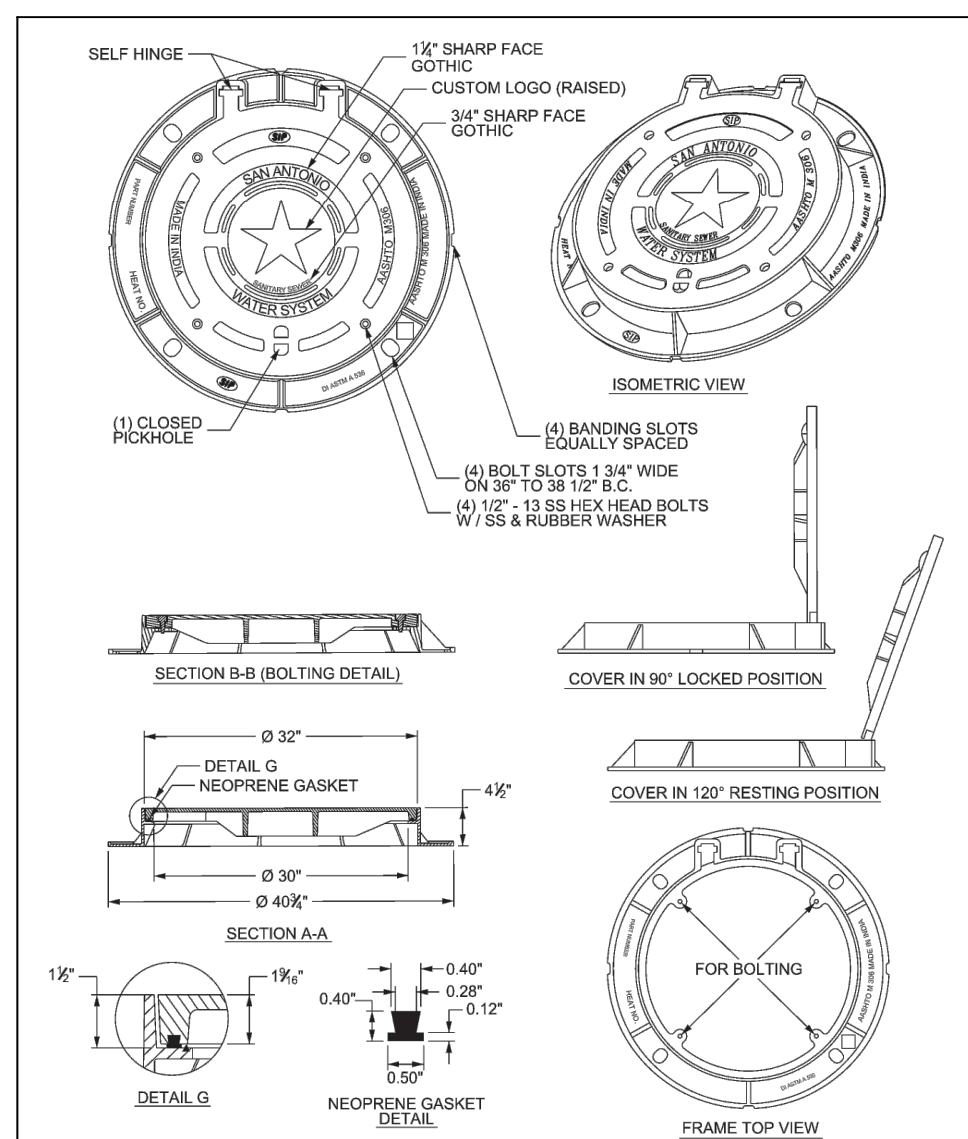
LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.	
ADDRESS: 100 NE LOOP 410, SUITE 1155	
CITY: SAN ANTONIO	STATE: TEXAS ZIP: 78216
PHONE# (210) 403-6200	FAX# N/A
SAWS BLOCK MAP# 204526 TOTAL EDU'S 197 TOTAL ACREAGE 23.20	
TOTAL LINEAR FOOTAGE OF PIPE: 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212	
NUMBER OF LOTS 197	SAWS JOB NO. 23-1617

PAPE-DAWSON ENGINEERS
EUGENE H. DAWSON III
112792
PROFESSIONAL ENGINEERING
5/9/24
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
SANITARY SEWER LINE Z PLAN & PROFILE
(STA. 1+00.00 TO END)

PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	MAY 2024
DESIGNER	BK
CHECKED	DW DRAWN JR
SHEET	C5.05



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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 MARKERS 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 TELEVIEWING 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 290.4K(4)(5). 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" STAKE, 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 C5.08
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.

LOWER (EAST SEWERSHED-SALADO CREEK WRC)

DEVELOPER'S NAME: LENNAR HOMES OF TEXAS, INC.		
ADDRESS: 100 NE LOOP 410, SUITE 1155		
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78216
PHONE# (210) 403-6200	FAX# N/A	
202526, 204526		
SAWS BLOCK MAP# 204524 TOTAL EDU'S 197 TOTAL ACREAGE 23.20		
TOTAL LINEAR FOOTAGE OF PIPE: 3,614 LF ~ 8" PIPE PLAT NO. 23-11800212		
NUMBER OF LOTS 197	SAWS JOB NO. 23-1617	

NO.	REVISION	DATE



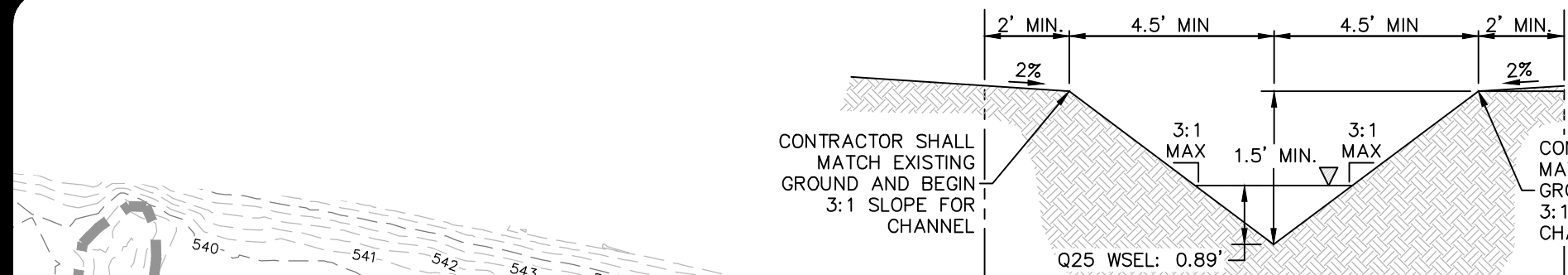
PAPE-DAWSON
ENGINEERS

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS

OVERALL SANITARY SEWER NOTES

PLAT NO.	23-11800212
JOB NO.	12482-10
DATE	FEBRUARY 2024
DESIGNER	BK
CHECKED	DW
DRAWN	JR
SHEET	C5.07



PRIVATE INTERCEPTOR CHANNEL
SECTION "A-A"
NOT-TO-SCALE

GRADING NOTES:

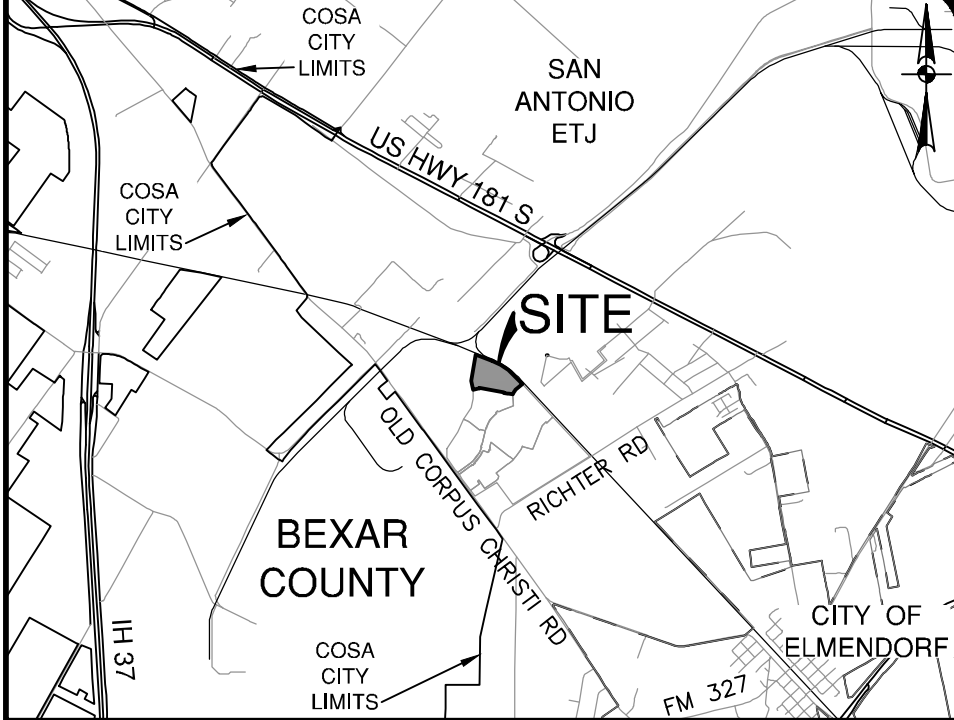
1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TxDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, 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.

GRADING NOTES:

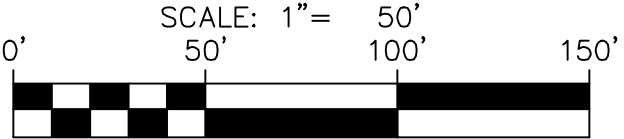
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING 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/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.

GRADING NOTES:

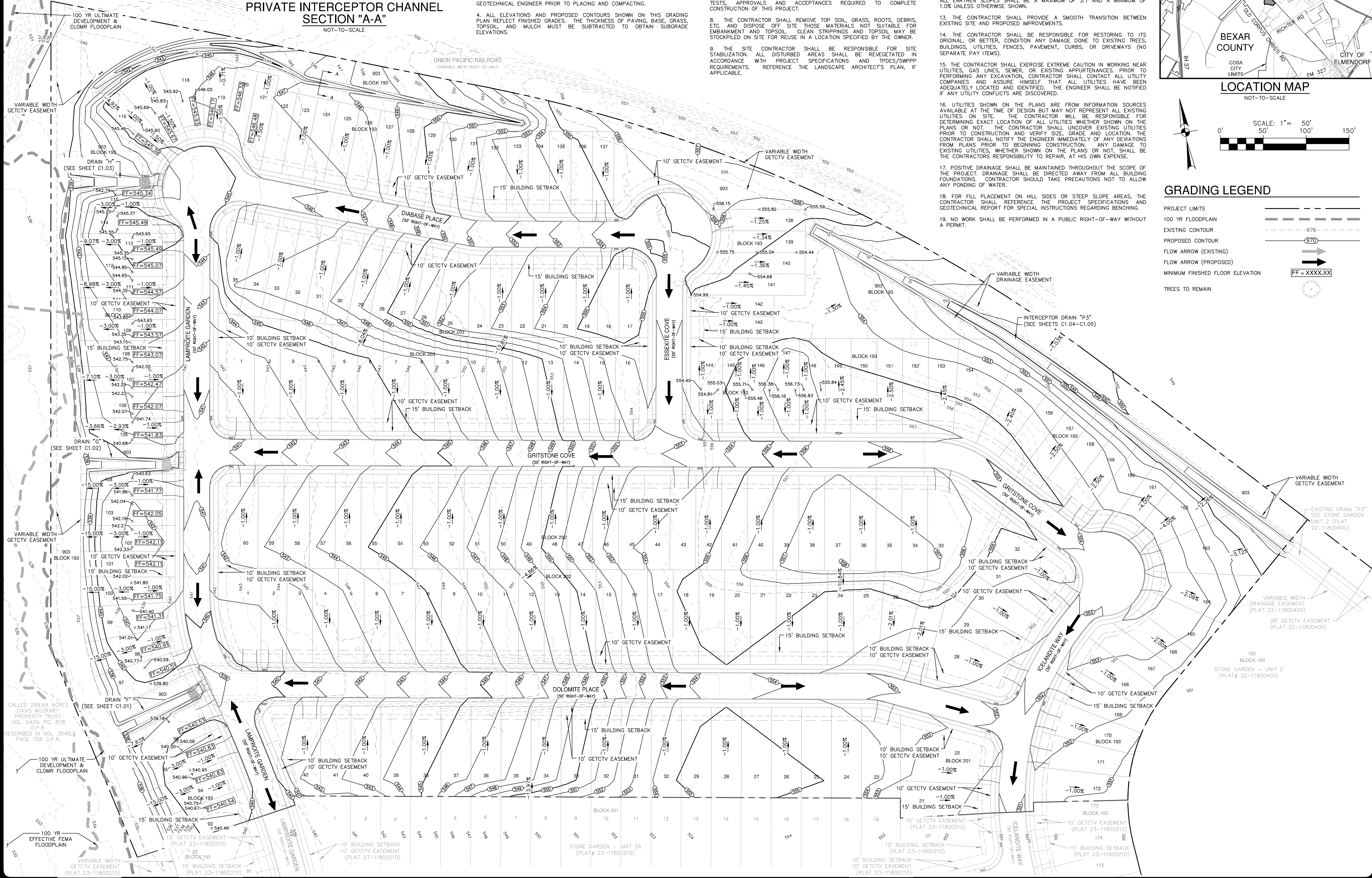
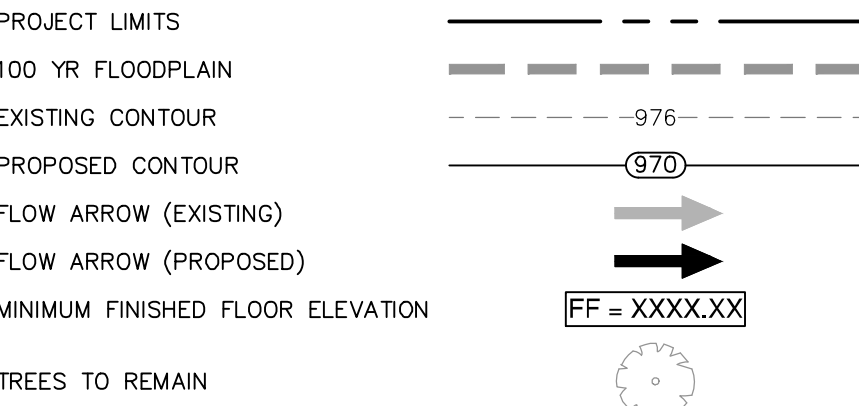
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTIES, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & 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 CONTRACTOR'S 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 REFER TO 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.



LOCATION MAP
NOT-TO-SCALE



GRADING LEGEND



DATE: _____

NO. REVISION: _____

STATE OF TEXAS
EUGENIE H. DAWSON
112792
PROFESSIONAL ENGINEER
5/9/24

**PAPE-DAWSON
ENGINEERS**

2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
OVERALL GRADING PLAN

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C7.00

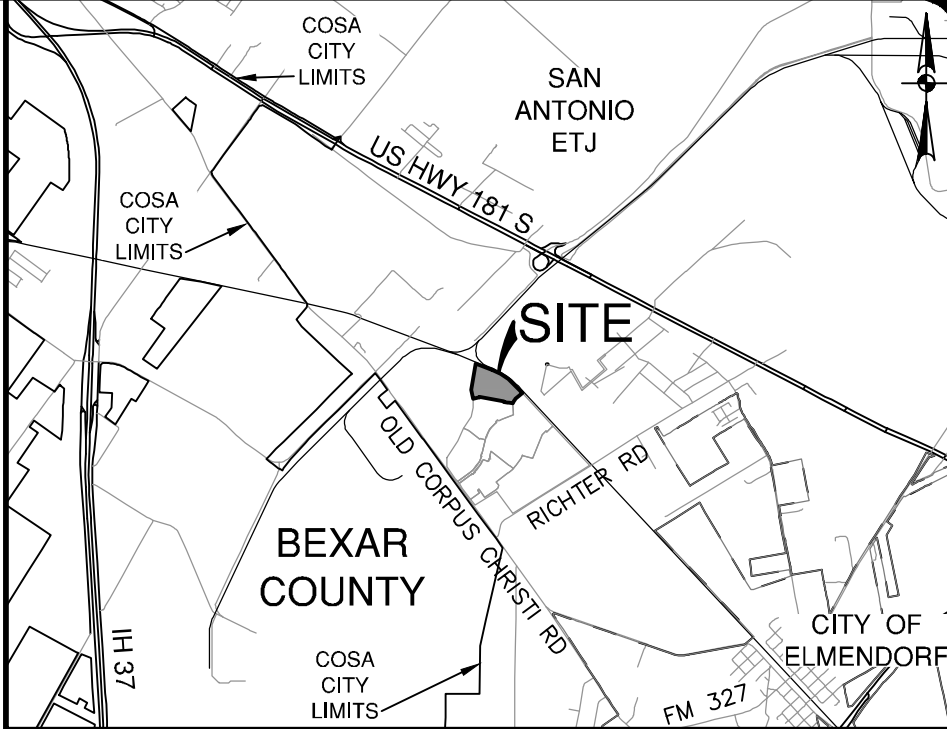
SWP3 MODIFICATIONS		
DATE	SIGNATURE	DESCRIPTION

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.

GENERAL NOTES

- 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.
- SHADE 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.



SWPPP LEGEND

- PROJECT LIMITS
EXISTING CONTOUR
PROPOSED CONTOUR
FLOW ARROW (EXISTING)
FLOW ARROW (PROPOSED)
SILT FENCE
ROCK BERM (TO BE REMOVED POST CONSTRUCTION)
GRAVEL FILTER BAGS
GRAVEL BAG BERM (CAN BE REMOVED ONCE CHANNEL IS STABILIZED OR RIP-RAP IS IN PLACE)
LIMITS OF DISTURBED AREA
STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)
CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)
CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)
EARTHEN BERM W/POLYLINER AND SPILLWAY (BERMS ARE TO SPAN ACROSS PROPOSED STREET SECTION APPROX. 30-FOOT WIDE FROM CURB TO CURB)
STREAM CENTERLINE
SILT FENCE (PHASE II)

PAPE-DAWSON
ENGINEERS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008890

STONE GARDEN - UNIT 3B
BEXAR COUNTY, TEXAS
STORM WATER POLLUTION PREVENTION PLAN

PLAT NO. 23-11800212
JOB NO. 12482-10
DATE MAY 2024
DESIGNER BK
CHECKED DW DRAWN JR
SHEET C8.00

EXHIBIT 2

