

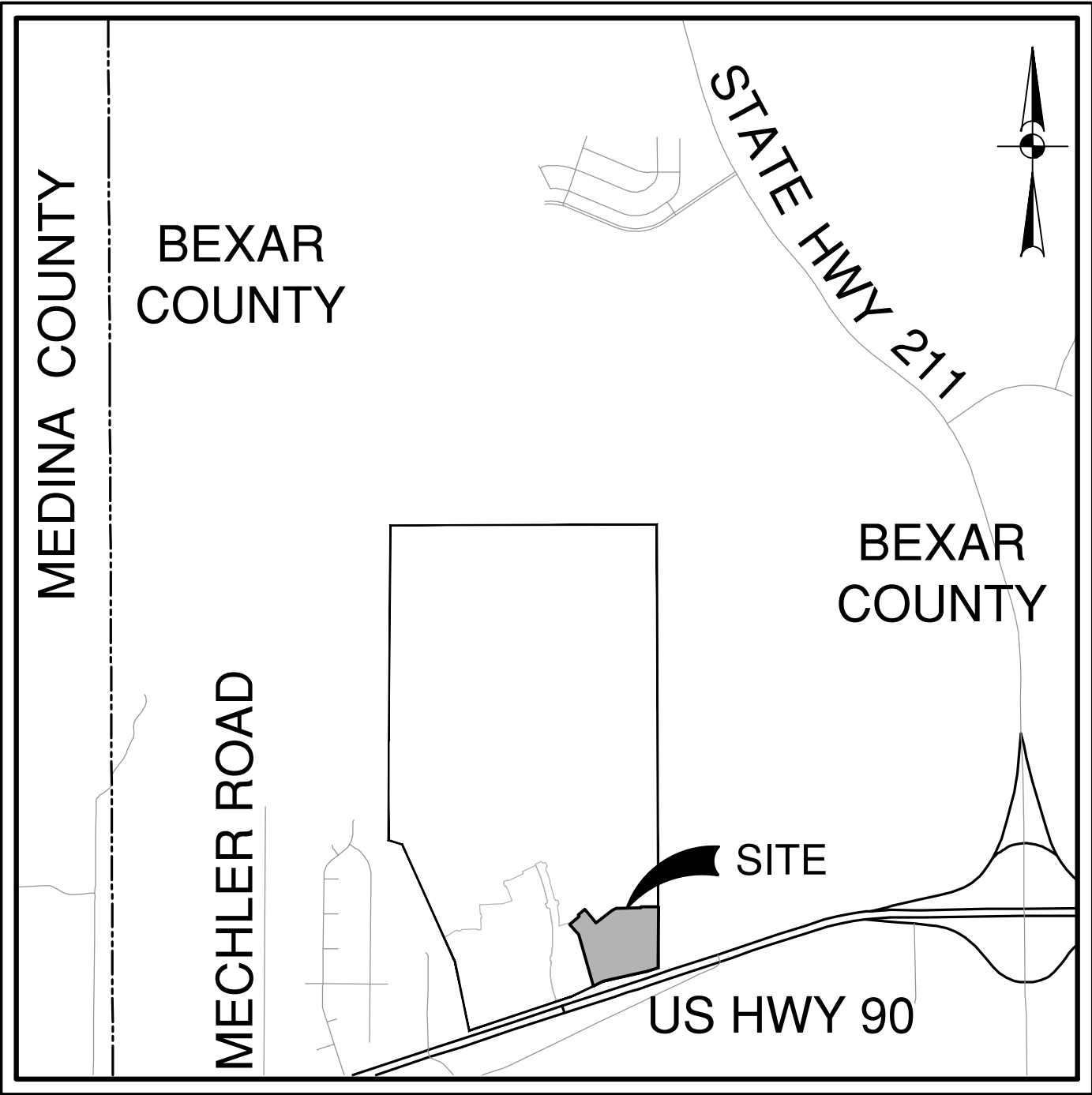
# STONEHILL UNITS 6B & 8

## SAN ANTONIO, TEXAS

### CIVIL CONSTRUCTION PLANS

Sheet List Table

Sheet Description	Sheet No.
COVER SHEET	C0.00
MASTER DRAINAGE PLAN	C1.00
DRAIN A & A-1 PLAN & PROFILE	C1.01
DRAIN B & B-1 PLAN & PROFILE	C1.02
PRIVATE V-SWALE DETAILS	C1.03
DRAINAGE DETAILS	C1.10
DRAINAGE DETAILS	C1.11
DRAINAGE DETAILS	C1.12
DALLAM COVE PLAN & PROFILE (STA. 1+40.00 TO END)	C2.00
HANSFORD POINT PLAN & PROFILE (STA. 6+83.30 TO END)	C2.01
LIPSCOMB FALLS PLAN & PROFILE (STA. 1+38.39 TO END)	C2.02
MOTLEY COVE PLAN & PROFILE (STA. 5+35.00 TO END)	C2.03
WHEELER GLEN PLAN & PROFILE (STA. 1+52.95 TO END)	C2.04
WICHITA ROCK PLAN & PROFILE (STA. 5+48.82 TO END)	C2.05
TYPICAL STREET DETAILS	C2.10
TYPICAL STREET DETAILS	C2.11
TYPICAL STREET DETAILS	C2.12
OVERALL SIGNAGE PLAN	C3.00
OVERALL SIGNAGE PLAN	C3.01
SIGNAGE DETAILS SHEET 1 OF 2	C3.10
SIGNAGE DETAILS SHEET 2 OF 2	C3.11



LOCATION MAP  
NOT-TO-SCALE

PREPARED FOR:

CONTINENTAL HOMES OF TEXAS, L.P.  
5419 N LOOP 1604  
SAN ANTONIO, TEXAS 78218

NOVEMBER 2024



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



*Caleb M. Chance*  
2/14/25

WATER (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.
ADDRESS: 5419 N LOOP 1604
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218
PHONE# (210) 496-2668 FAX# (210) 490-2668
SAWS BLOCK MAP# 068560 TOTAL EDU'S 112 TOTAL ACREAGE 21.9
TOTAL LINEAR FOOTAGE OF PIPE: 8"-3753' PLAT NO. 24-11800437
NUMBER OF LOTS 112 SAWS JOB NO. 24-1177

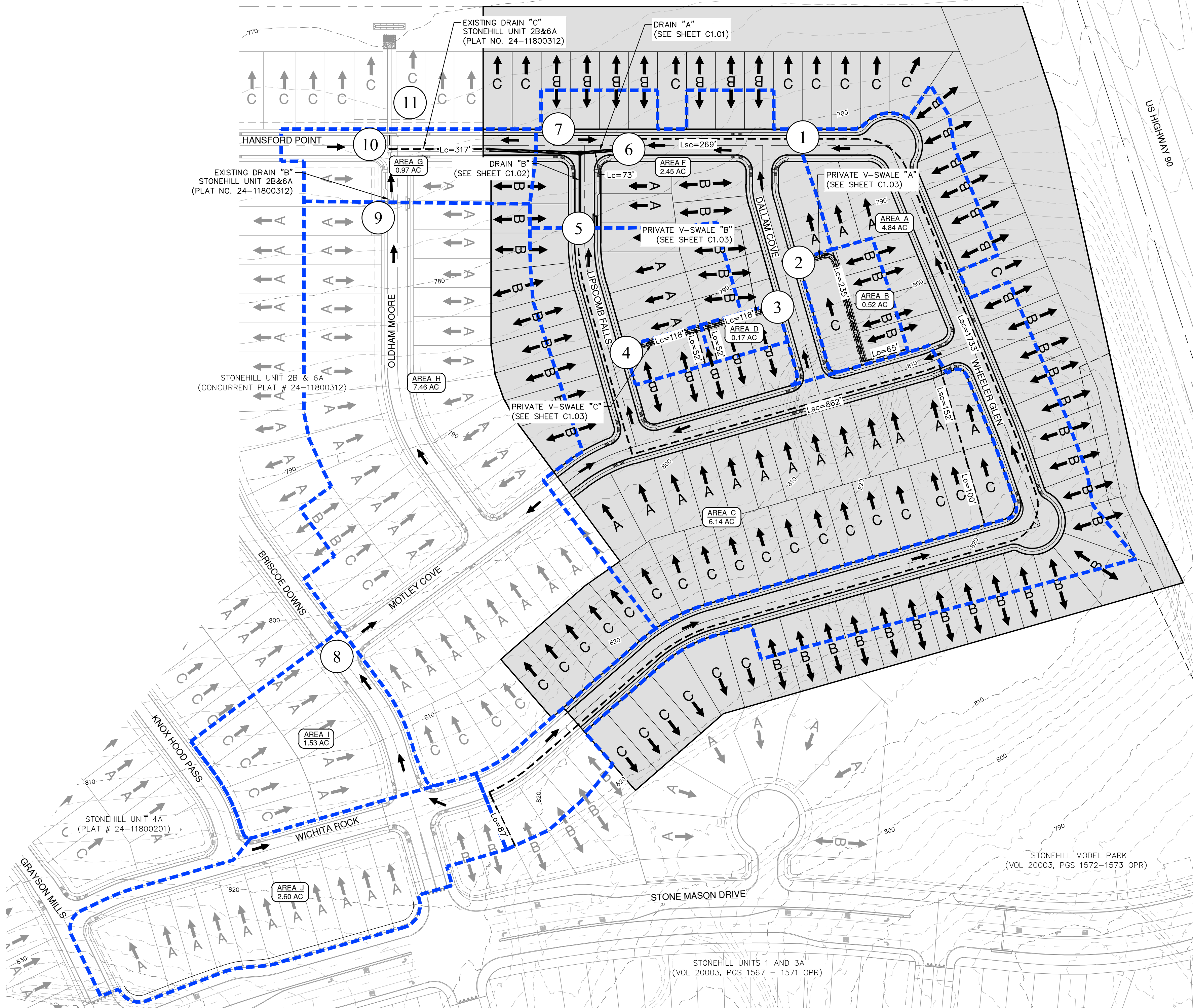
SEWER

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.
ADDRESS: 5419 N LOOP 1604
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218
PHONE# (210) 496-2668 FAX# (210) 490-2668
SAWS BLOCK MAP# 068560 TOTAL EDU'S 112 TOTAL ACREAGE 21.9
TOTAL LINEAR FOOTAGE OF PIPE: 8"-3322 LF PLAT NO. 24-11800437
NUMBER OF LOTS 112 SAWS JOB NO. 24-1650

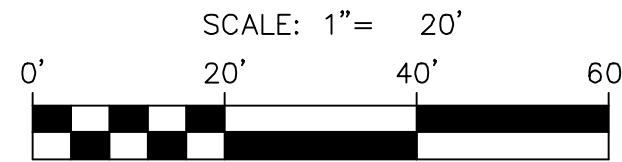
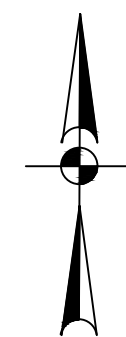
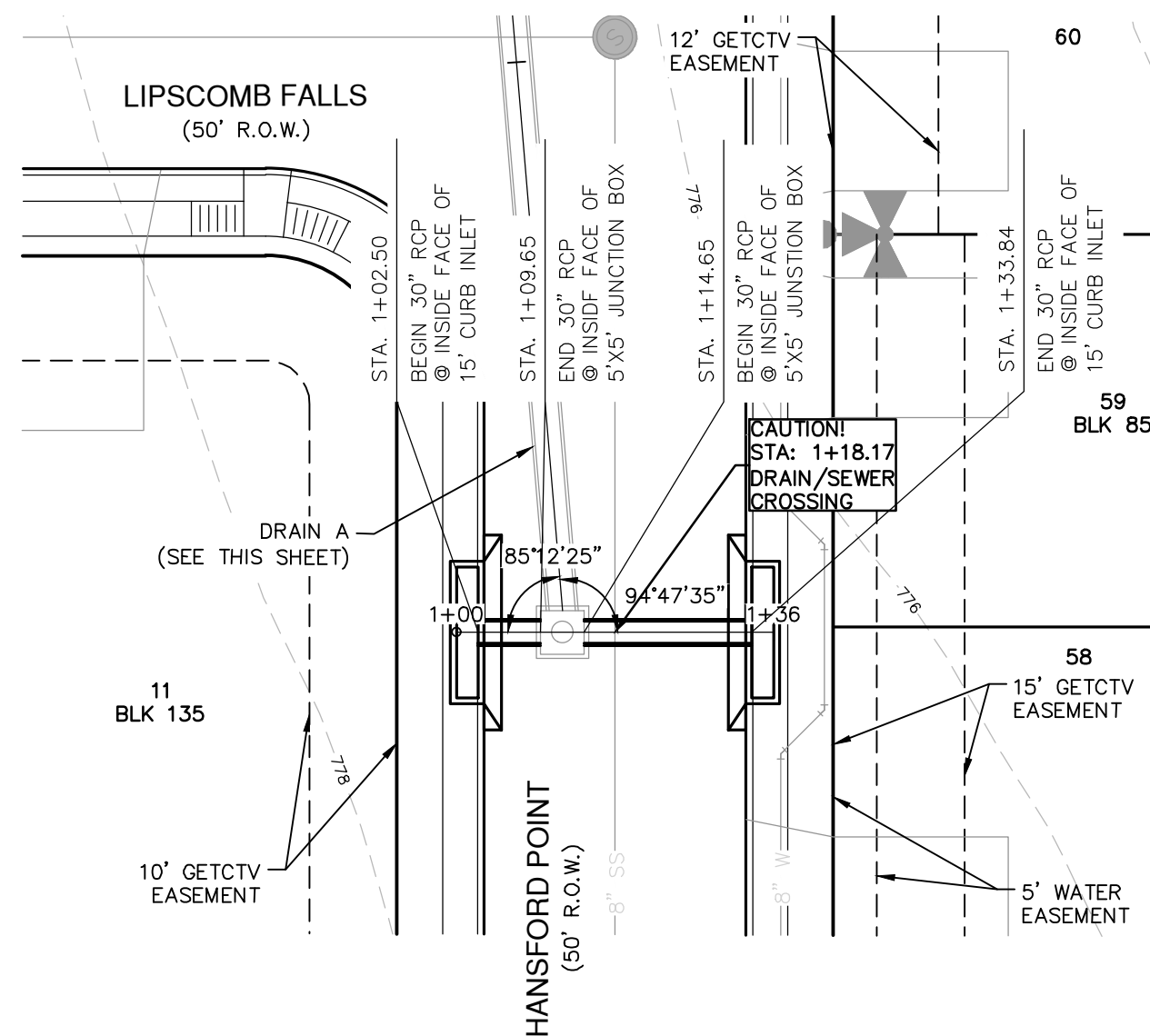
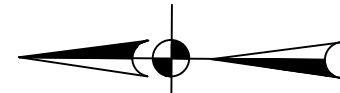
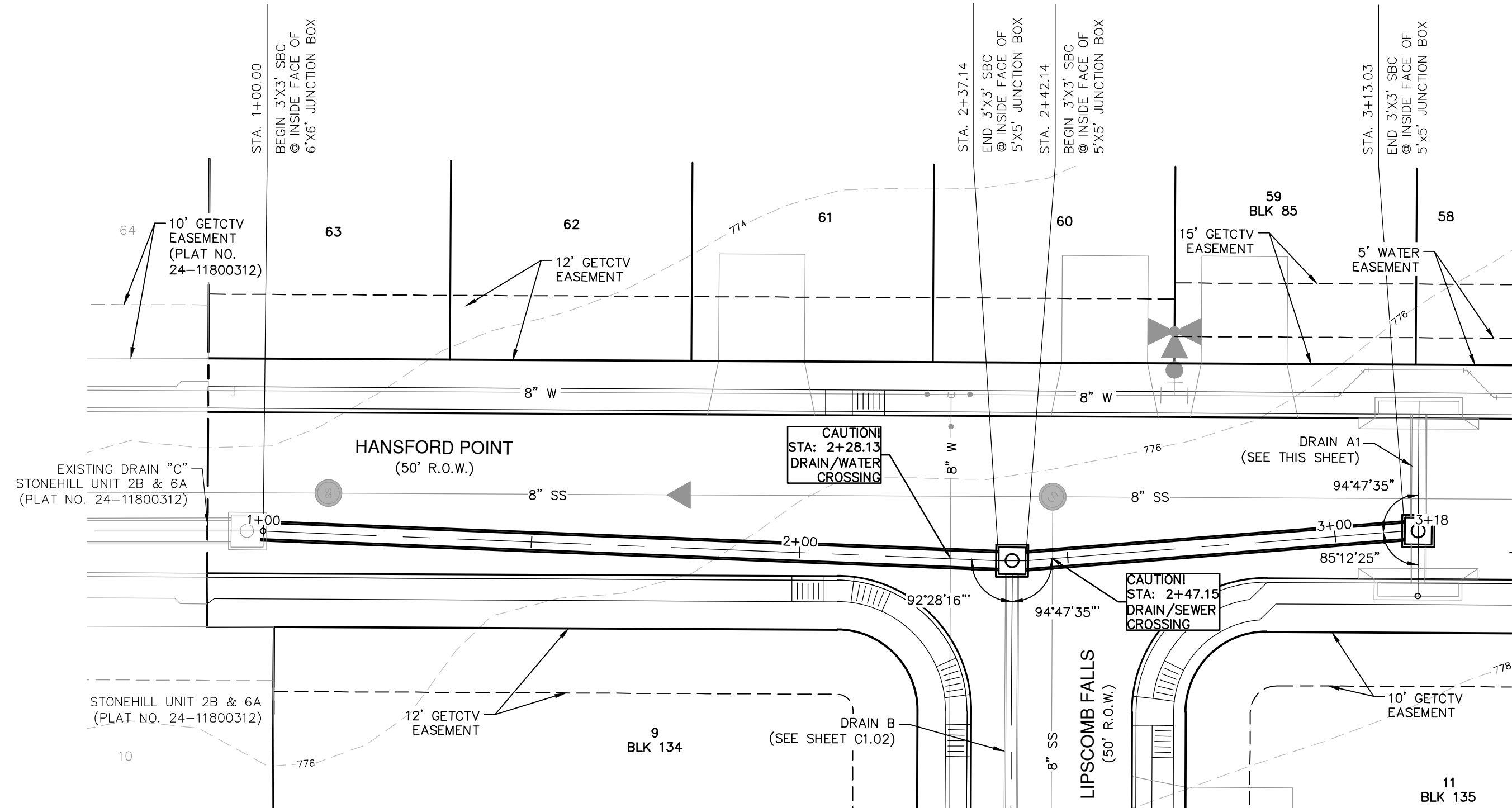
SHEET C0.00



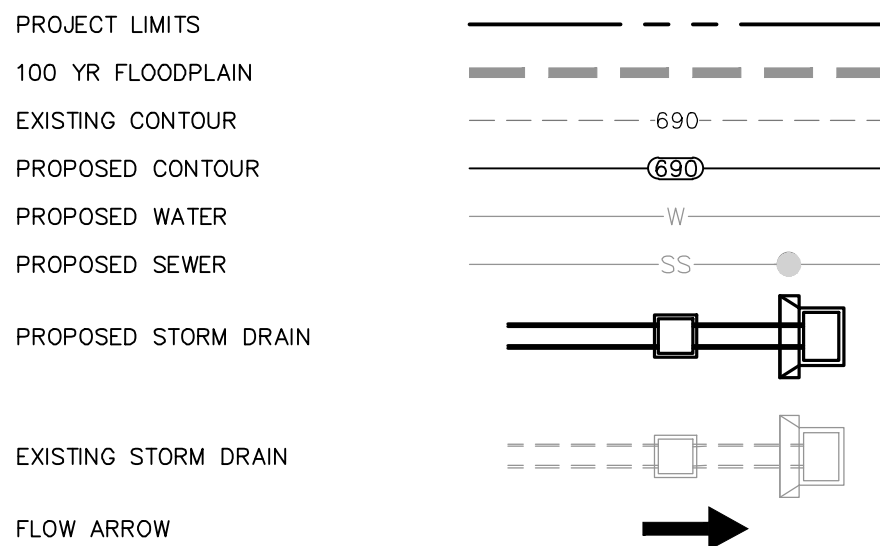
STONEHILL UNIT 6B&8 DRAINAGE SUMMARY TABLE																																													
Point	Structure	Area	Total Flow Length (ft)	Total Area (ac)	Overland Flow				Shallow Concentrated								Channel Flow		Total	C	I	Q (cfs)	Frequency (yrs)	Total Q <sub>25</sub> (Q+Intercept/Bypass)	Curb Inlet																				
					Character of Ground	Slope %	L (ft)	Tc (min)	Surface	Slope %	L (ft)	Tc (min)	Surface	Slope %	L (ft)	Tc (min)	L (ft)	Tc (min)							Intercept	Bypass																			
1	Street Capacity	A	1820	4.84	Avg. Grass	2.0	87	11	Short Grass Pasture	-	-	-	Paved	1.87	1733	10.4	-	-	21	0.72	4.40	15.3	5	Q = 60.8 - 16.80 = 44.00																					
2	Private V-Swale "A"	B	300	0.52	Avg. Grass	2.0	65	10	Short Grass Pasture	-	-	-	Paved	-	-	-	235	0.97	10	0.72	6.05	21.1	25																						
																					7.52	26.2	100																						
																					6.24	2.3	5																						
																					8.76	3.3	25																						
3	Private V-Swale "B"	D	170	0.17	Avg. Grass	2.0	52	10	Short Grass Pasture	-	-	-	Paved	-	-	-	118	1.4	11	0.72	10.95	4.1	100																						
																					6.02	0.7	5																						
																					8.43	1.0	25																						
																					10.54	1.3	100																						
4	Private V-Swale "C"	E	170	0.17	Avg. Grass	2.0	52	10	Short Grass Pasture	-	-	-	Paved	-	-	-	118	0.7	10	0.72	6.24	0.8	5																						
																					8.76	1.1	25																						
																					10.95	1.3	100																						
																					4.76	21.6	5																						
5	Curb Inlets on Grade	C+E	1114	6.31	Avg. Grass	2.0	100	12	Short Grass Pasture	2.3	152	2.4	Paved	3.05	862	4.0	0	0.0	18	0.72	6.56	29.8	25	16.80	13.00																				
6	Curb Inlets In Sump	A+B+C+D+E+F	2089	14.29	Avg. Grass	2.0	87	11	Short Grass Pasture	-	-	-	Paved	1.94	2002	11.8	0	0.0	22	0.72	8.16	37.1	100	Q = 60.8 - 16.80 = 44.00																					
																					4.30	44.2	5																						
																					5.91	60.8	25																						
																					7.34	75.5	100																						
7	Drain A	A+B+C+D+E+F	2162	14.29	Avg. Grass	2.0	87	11	Short Grass Pasture	-	-	-	Paved	1.94	2002	11.8	73	0.18	22	0.72	4.30	44.2	5																						
																					5.91	60.8	25																						
																					7.34	75.5	100																						
8	Street Intercept (See Stonehill Unit 2B & 6A Plat No. 24-11800312)																																							11.65	11.65				
9	Existing Curb inlets on Grade (See Stonehill Unit 2B & 6A Plat No. 24-11800312)																																								14.06	30.68			
10	Existing Drain	A+B+C+D+E+F+H+I+J	2479	25.88	Avg. Grass	2.0	87	11	Short Grass Pasture	-	-	-	Paved	1.94	2002	11.8	390	1.1	23	0.72	4.21	78.4	5		Q = 107.5 - 30.68 = 76.82																				
																					5.77	107.5	25																						
																					7.17	133.6	100																						
																					4.21	81.4	5																						
11	Existing Drain Outfall	A+B+C+D+E+F+G+H+I+J	2479	26.85	Avg. Grass	2.0	87	11	Short Grass Pasture	-	-	-	Paved	1.94	2002	11.8	390	1.1	23	0.72	5.77	111.5	25	Q = 111.5 - 11.65 = 99.85																					
																					7.17	138.6	100																						







### DRAINAGE LEGEND



### HYDRAULIC CALCULATIONS- DRAIN "A-1"

TOTAL  $Q_{25} = 44.00$  CFS (22.00 CFS EACH INLET)  
 $Q_{25} = 22.00$  CFS  
 $Q_{25} = CA/2g^h$  (ORIFICE FLOW EQN.)  
 $A = L(0.44)$ ,  $h = 0.56$ ,  $g = 32.2$ ,  $c = 0.67$   
 $L = \frac{22.00 \text{ CFS}}{(0.70) (0.50)/2 (32.2) (0.50)}$   
 $L = 11.08$  FT USE 1 ~ 15 FT CURB INLET EACH SIDE  
  
CHECK WITH WEIR FORMULA  
 $h = \left(\frac{Q}{(CL)}\right)^{2/3} = \left(\frac{22.00}{(3.087) (15)}\right)^{2/3} = 0.61$  FT.  
 $h = 0.61 < 0.79$  OK

### KEY LEGEND

- (A) CONCRETE COLLAR (SEE DETAIL SHEET C1.12)
- (B) CONTRACTOR TO GROUT BOTTOM OF BOX TO ALLOW FOR POSITIVE DRAINAGE

### 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 TYPED DRAINAGE STRUCTURES SHALL MEET TYPED 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.

### BEXAR COUNTY FLOOD PLAIN GENERAL CONSTRUCTION NOTES:

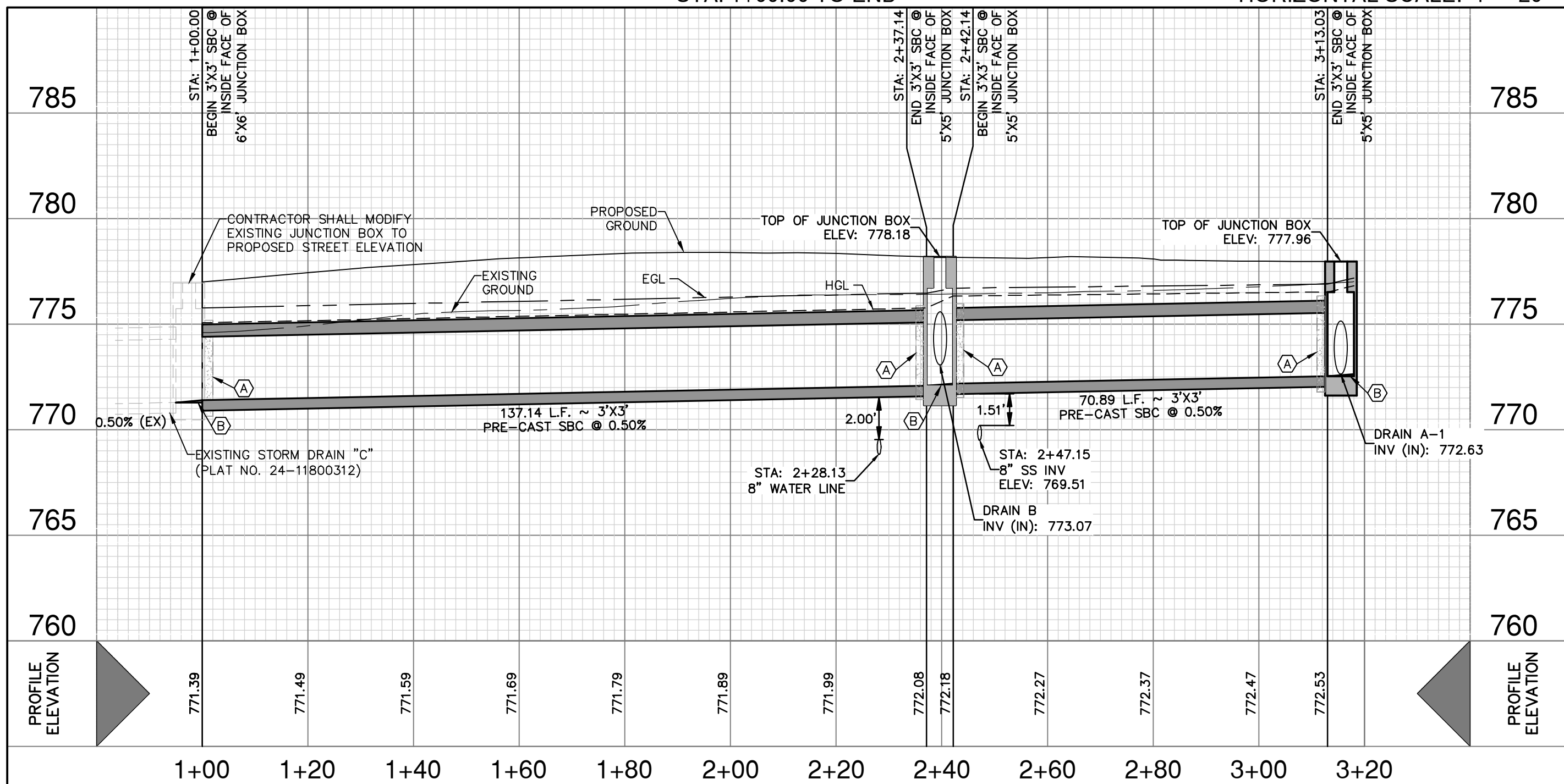
- CONTRACTOR IS TO MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION.
  - NO CONSTRUCTION MATERIAL AND/OR WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF THE EXISTING NATURAL DRAINAGE OR PLACED WITHIN THE LIMITS OF THE EXISTING FLOOD PLAIN.
- ### TRENCH EXCAVATION SAFETY PROTECTION:
- CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

### CAUTION!!

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

DRAIN "A"  
STA. 1+00.00 TO END

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

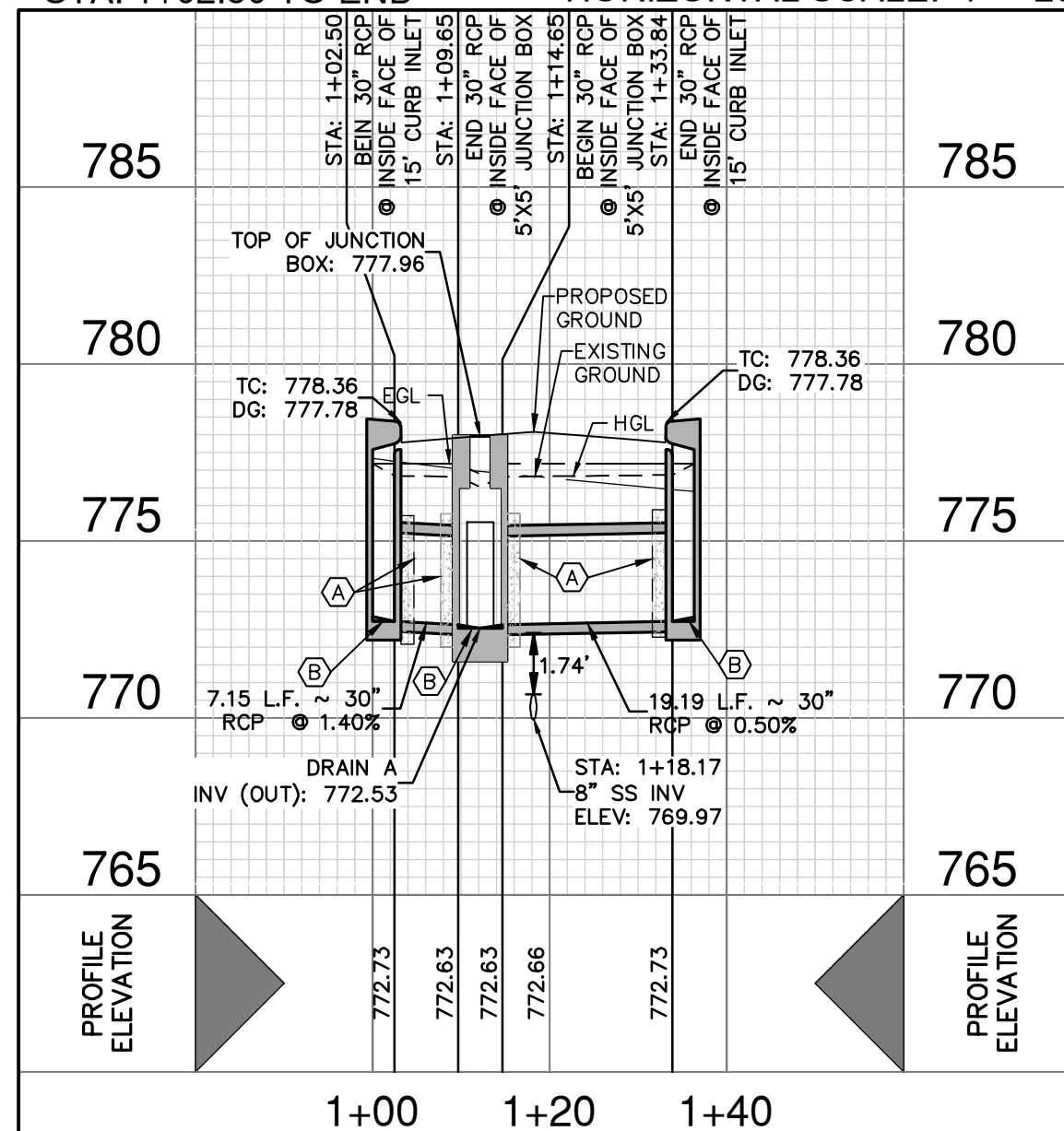


HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+00.00 TO 2+37.14	
Q25 =	60.8 cfs
S =	0.50%
Sf =	0.51%
Vf =	6.76 fps
n =	0.013
D =	3'

HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 2+42.14 TO 3+13.03	
Q25 =	44.00 cfs
S =	0.50%
Sf =	0.27%
Vf =	4.89 fps
n =	0.013
D =	3'

DRAIN "A-1"  
STA. 1+02.50 TO END

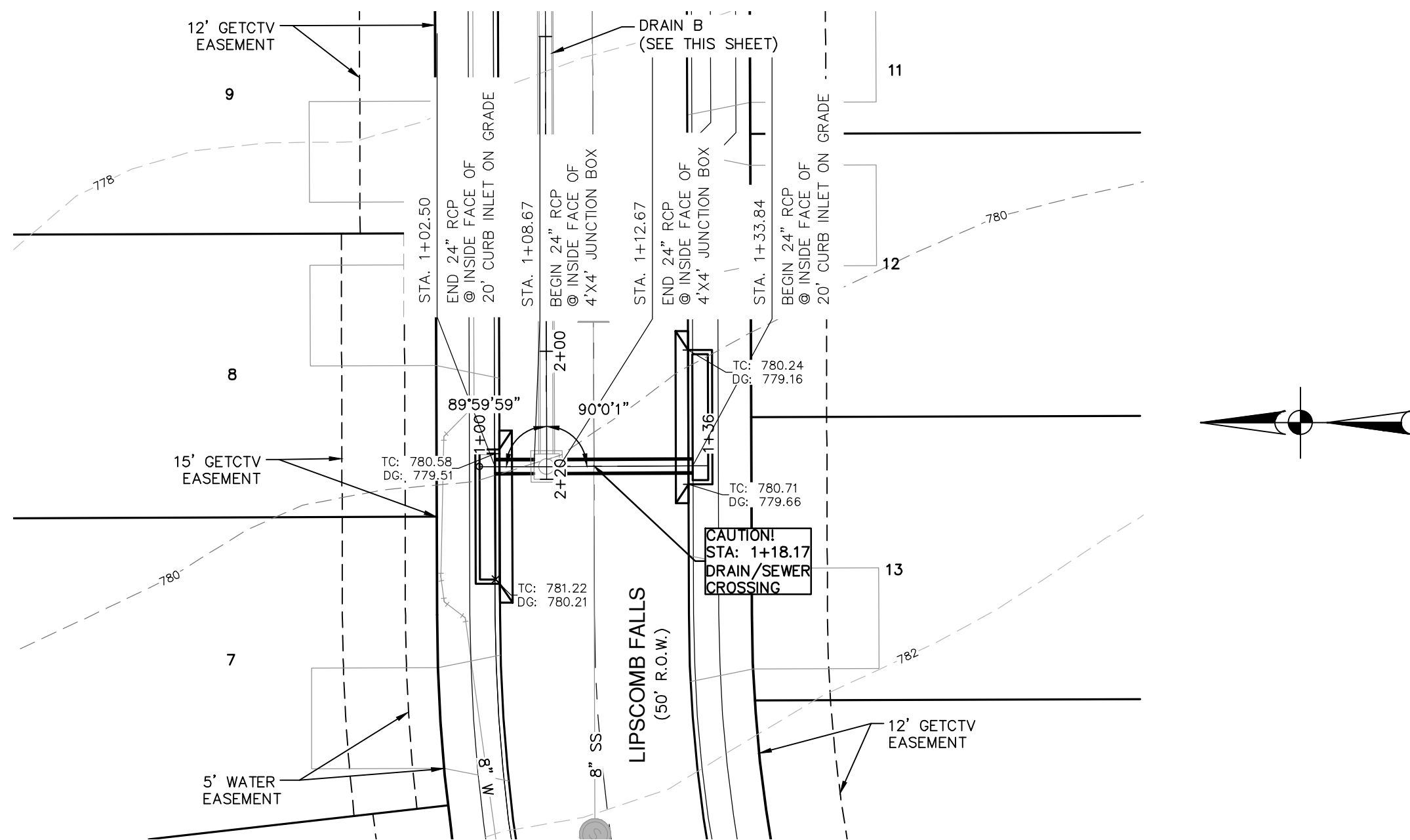
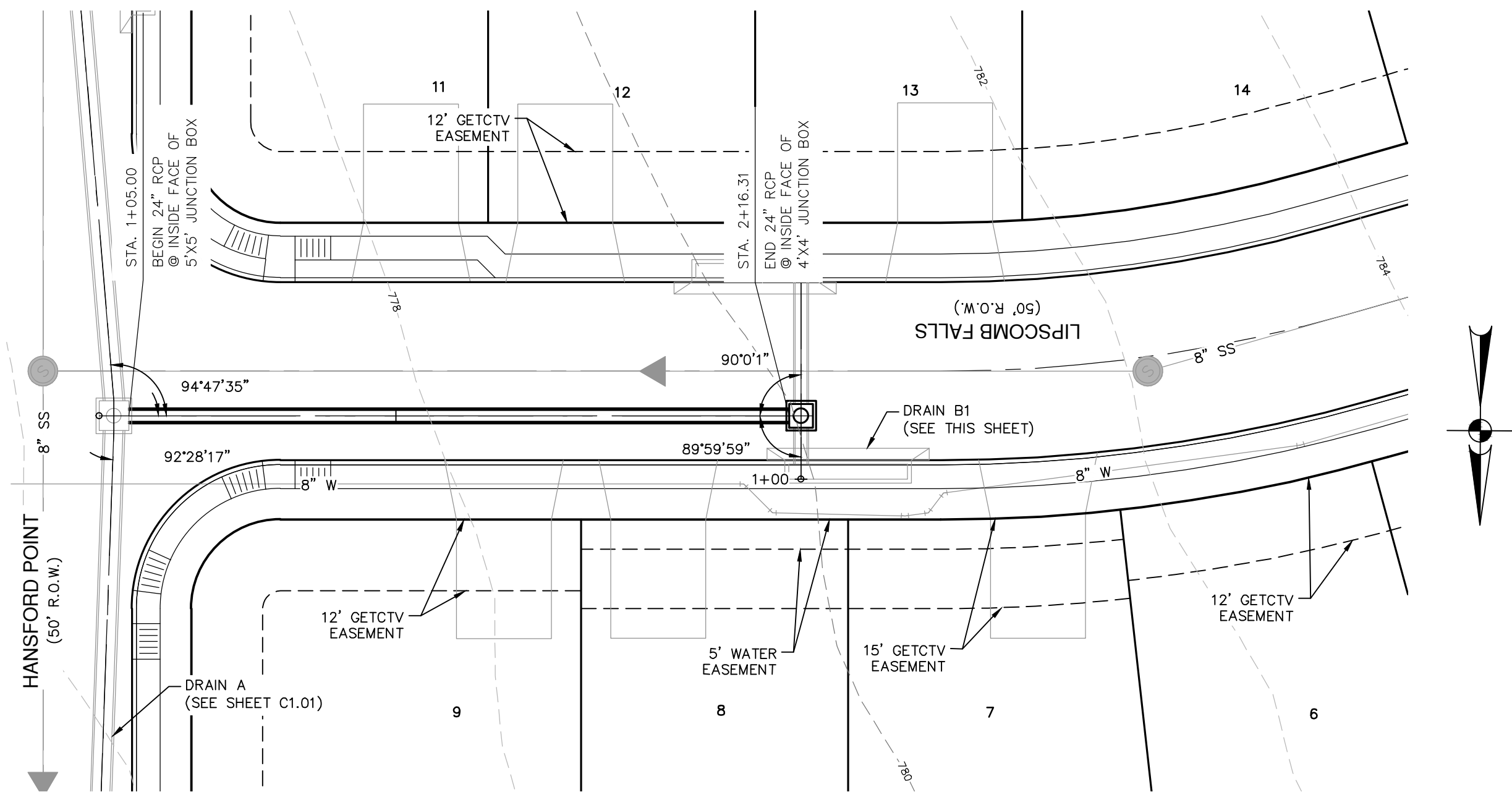
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 20'



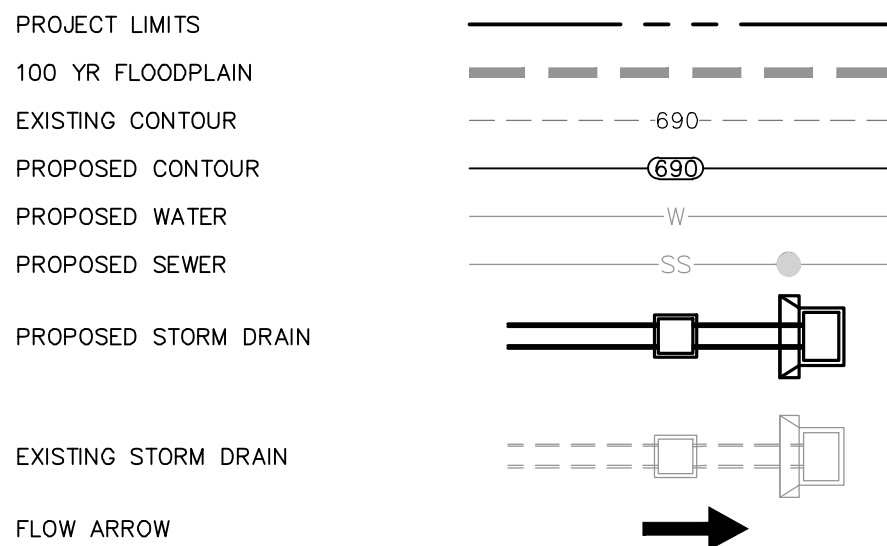
HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+02.50 TO 1+09.65	
Q25 =	22.00 cfs
S =	1.40%
Sf =	0.26%
Vf =	4.48 fps
n =	0.013
D =	2.5'

HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+14.65 TO 1+33.84	
Q25 =	22.00 cfs
S =	0.50%
Sf =	0.26%
Vf =	4.48 fps
n =	0.013
D =	2.5'





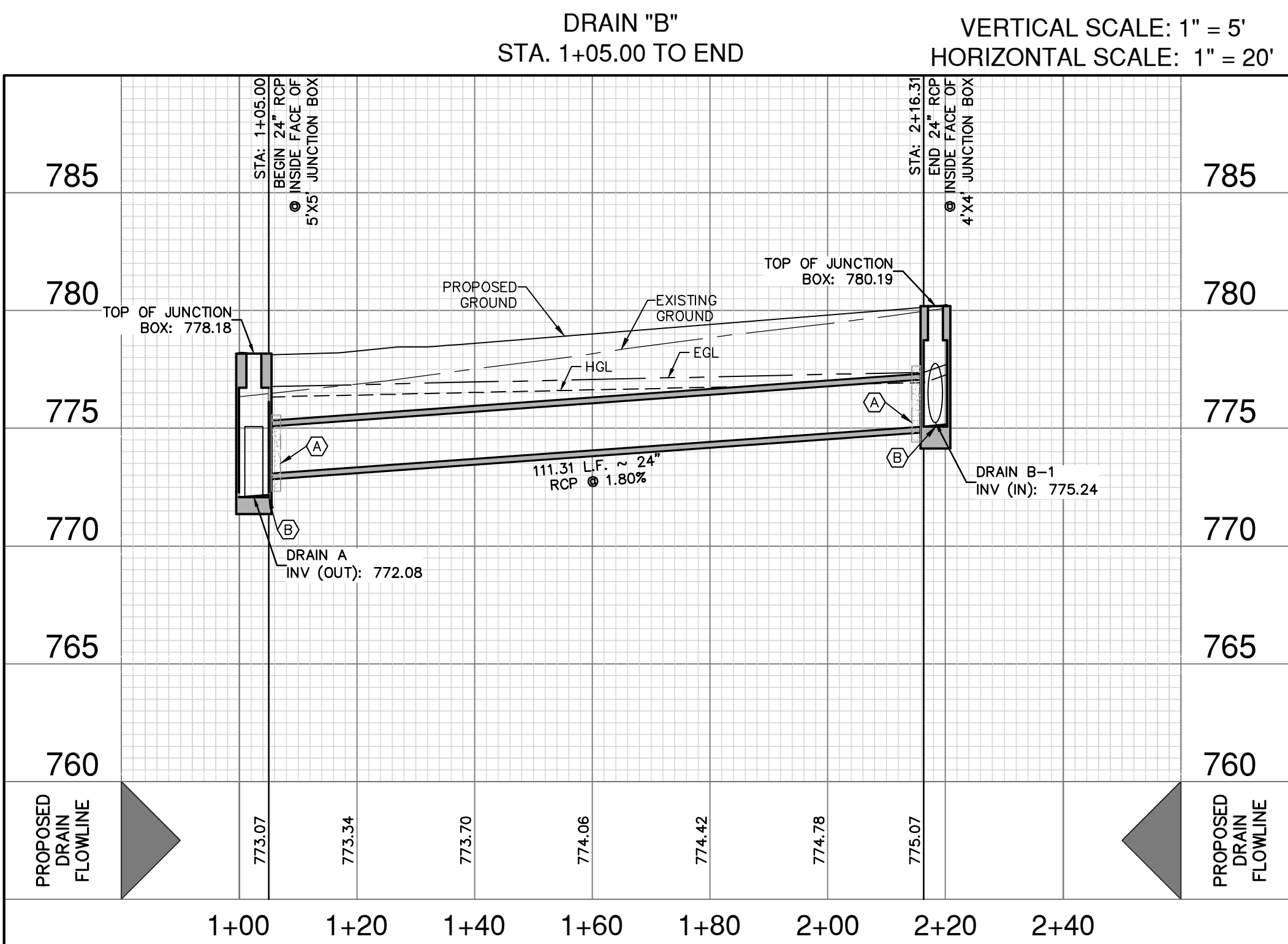
### DRAINAGE LEGEND



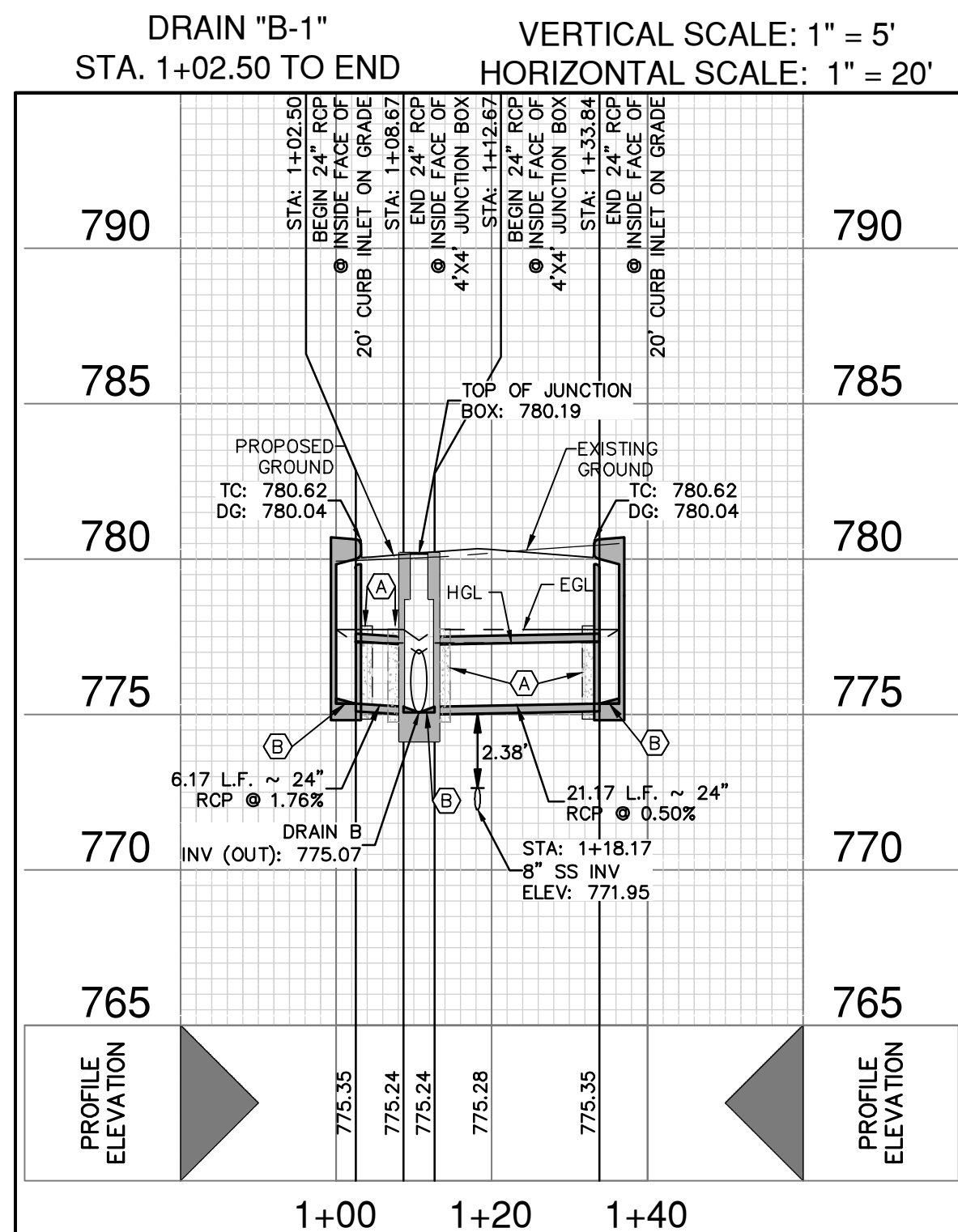
### KEY LEGEND

- (A) CONCRETE COLLAR (SEE DETAIL SHEET C1.12)
- (B) CONTRACTOR TO GROUT BOTTOM OF BOX TO ALLOW FOR POSITIVE DRAINAGE

\*SEE STORM WATER MANAGEMENT PLAN FOR CURB INLET ON GRADE CALCULATIONS



HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+05.00 TO 2+16.31	
Q25 = 16.80 cfs	
S = 1.80%	
Sf = 0.55%	
Vf = 5.35 fps	
n = 0.013	
D = 2'	



HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+02.50 TO 1+08.67	
Q25 = 8.40 cfs	
S = 1.76%	
Sf = 0.14%	
Vf = 2.67 fps	
n = 0.013	
D = 2'	

HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+12.67 TO 1+33.84	
Q25 = 8.40 cfs	
S = 0.50%	
Sf = 0.14%	
Vf = 2.67 fps	
n = 0.013	
D = 2'	

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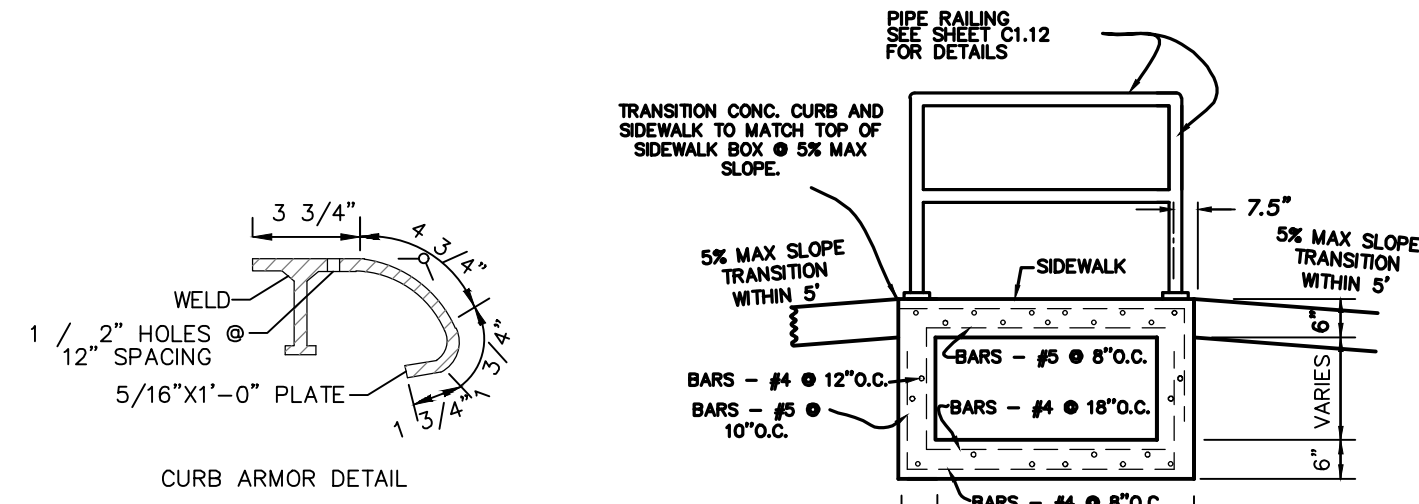
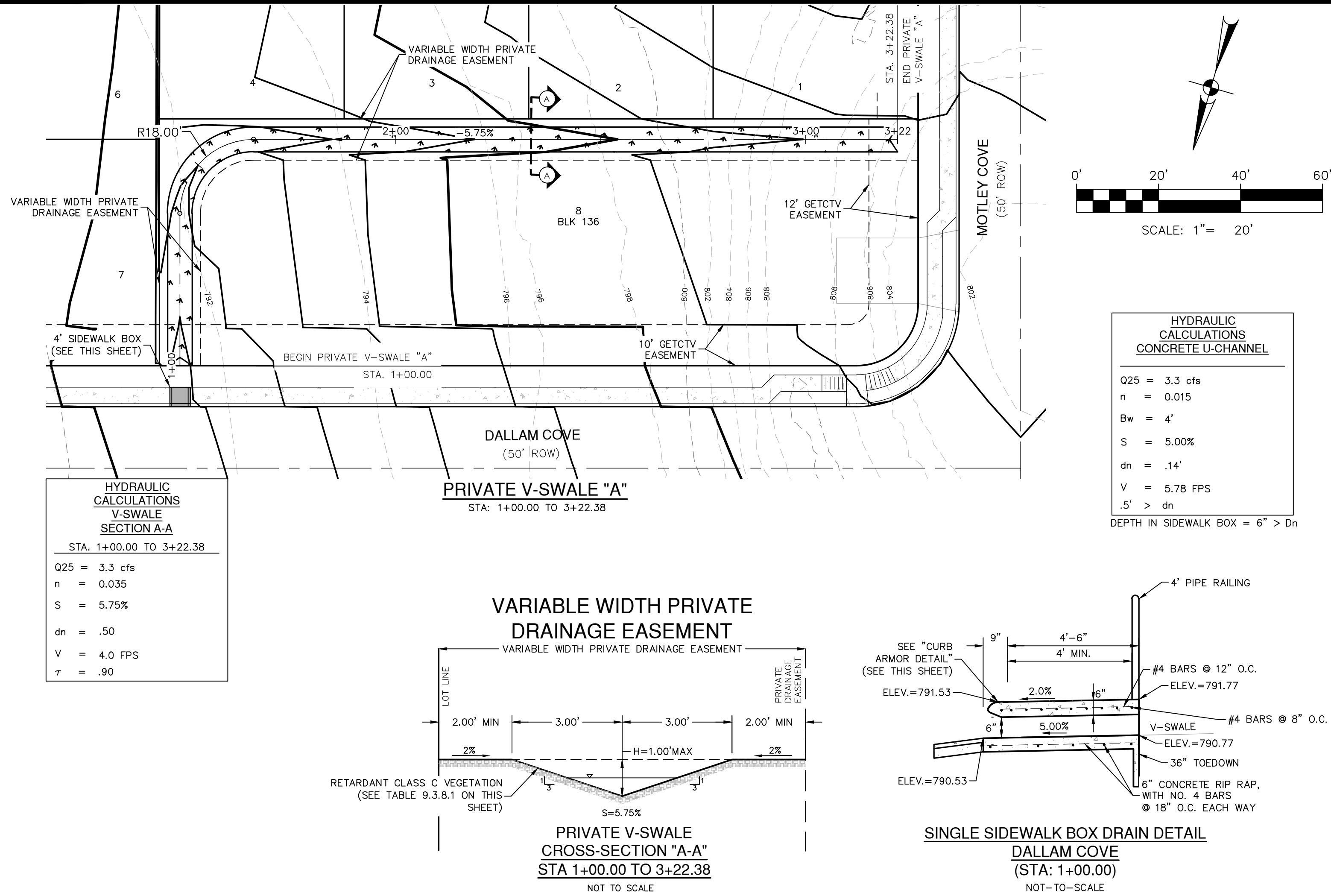
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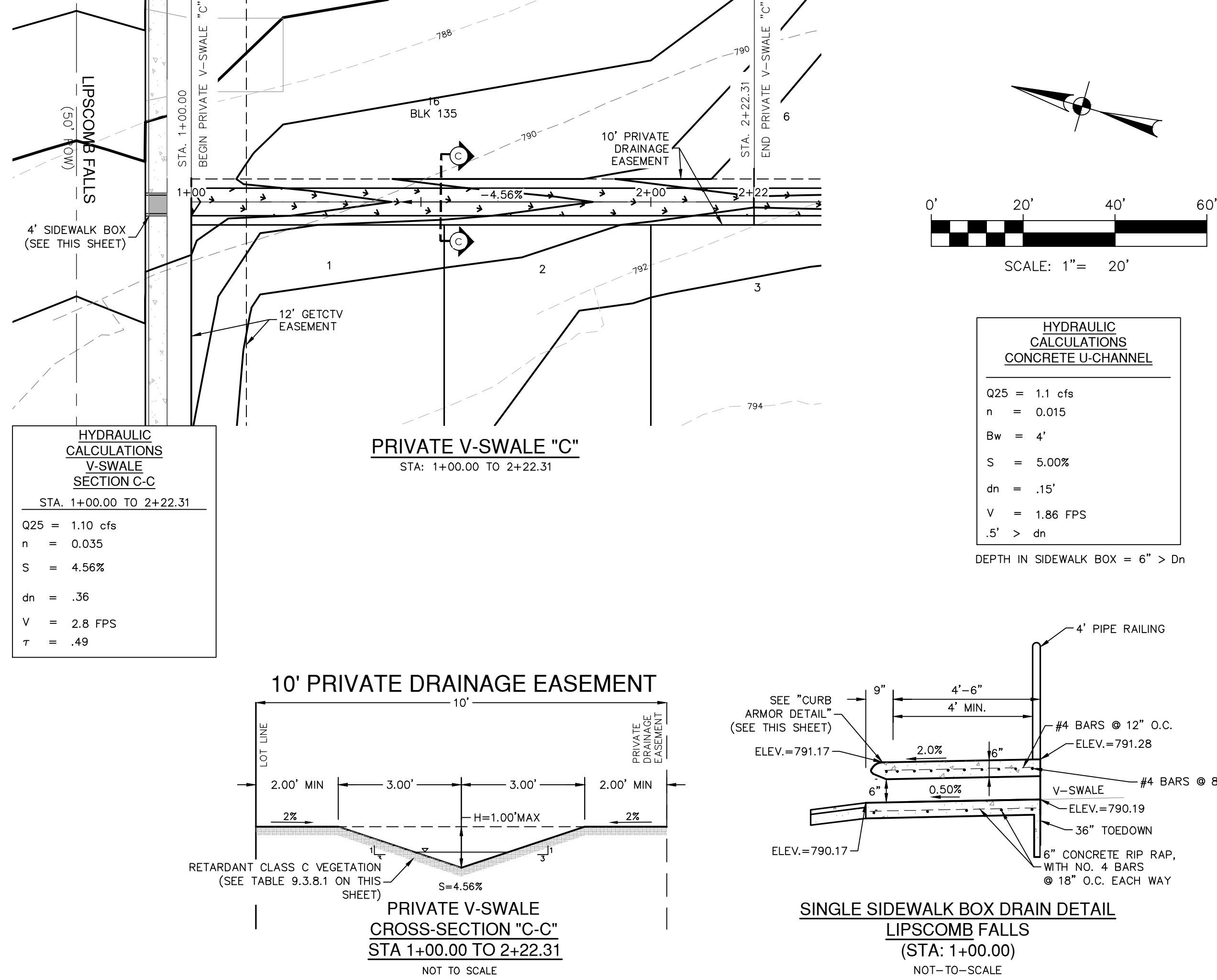
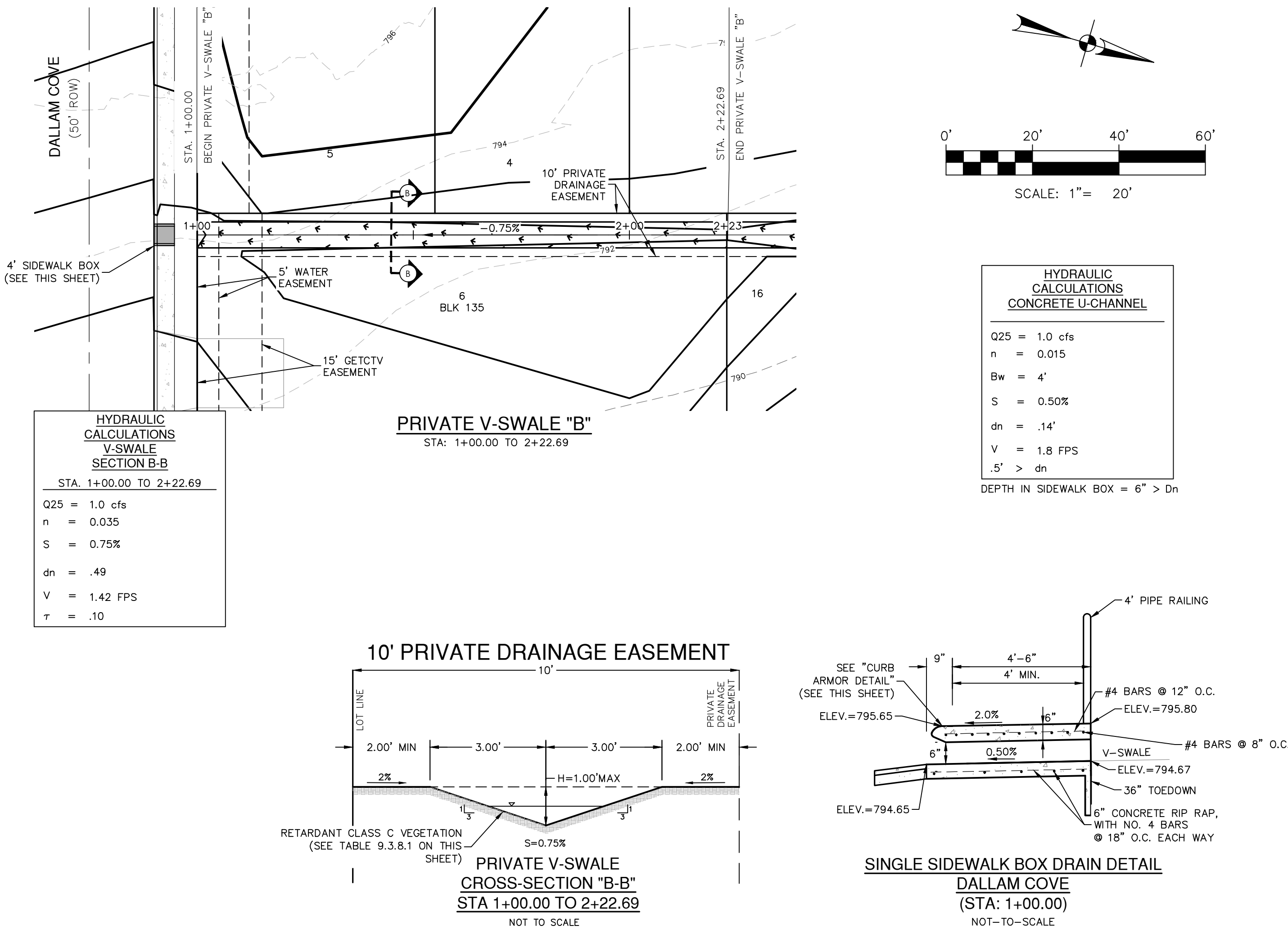
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SIDWALK BOX DETAIL

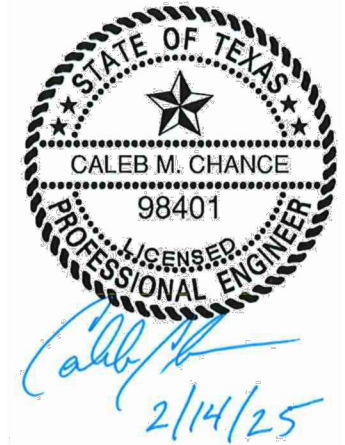
Table 9.3.8.1 - Retardation Class for Lining Materials (Source TXDOT - Hydraulic Design Manual, Chapter 7, Section 3 - Roadside Channel Design)			
Retardance Class	Permissible Shear Stress (τ) (lb./sq.ft.)	Cover	Condition
B	2.1	Bermuda grass	Good stand, tall (average 12 in. or 305 mm)
		Native grass mixture: little bluestem, bluestem, blue gamma, other short and long stem midwest grasses	Good stand, unmowed
		Lespedeza sericea	Good stand, not woody, tall (Average 19 in. or 480 mm)
		Alfalfa	Good stand, uncut (average 11 in. or 280 mm)
		Blue gamma	Good stand, uncut (average 13 in. or 330 mm)
C	1.1	Cropland	Fair stand, uncut (10 to 48 in. or 55 to 1220 mm)
		Bermuda grass	Good stand, mowed (average 6 in. or 150 mm)
		Common lespedeza	Good stand, uncut (average 11 in. or 280 mm)
		Grass-legume mixture: summer (orchard grass, redtop, Italian ryegrass, and common lespedeza)	Good stand, uncut (6-8 in. or 150-200 mm)
		Centipede grass	Very dense cover (average 6 in. or 150 mm)
D	0.6	Kentucky bluegrass	Good stand, headed (6-12 in. or 150 - 305 mm)
		Bermuda grass	Good stand, cut to 2.5 in. or 65 mm
		Common lespedeza	Excellent stand, uncut (average 4.5 in. or 115 mm)
		Buffalo grass	Good stand, uncut (3-6 in. or 75- 150 mm)
		Grass-legume mixture: fall, spring (orchard grass, Italian ryegrass, and common lespedeza)	Good Stand, uncut (4-5 in. or 100- 125 mm)
E	0.35	Lespedeza sericea	After cutting to 2 in. or 50 mm (very good before cutting)
		Bermuda grass	Good stand, cut to 1.5 in. or 40 mm
		Bermuda grass	Burned Stubble

SHEAR STRESS TABLE



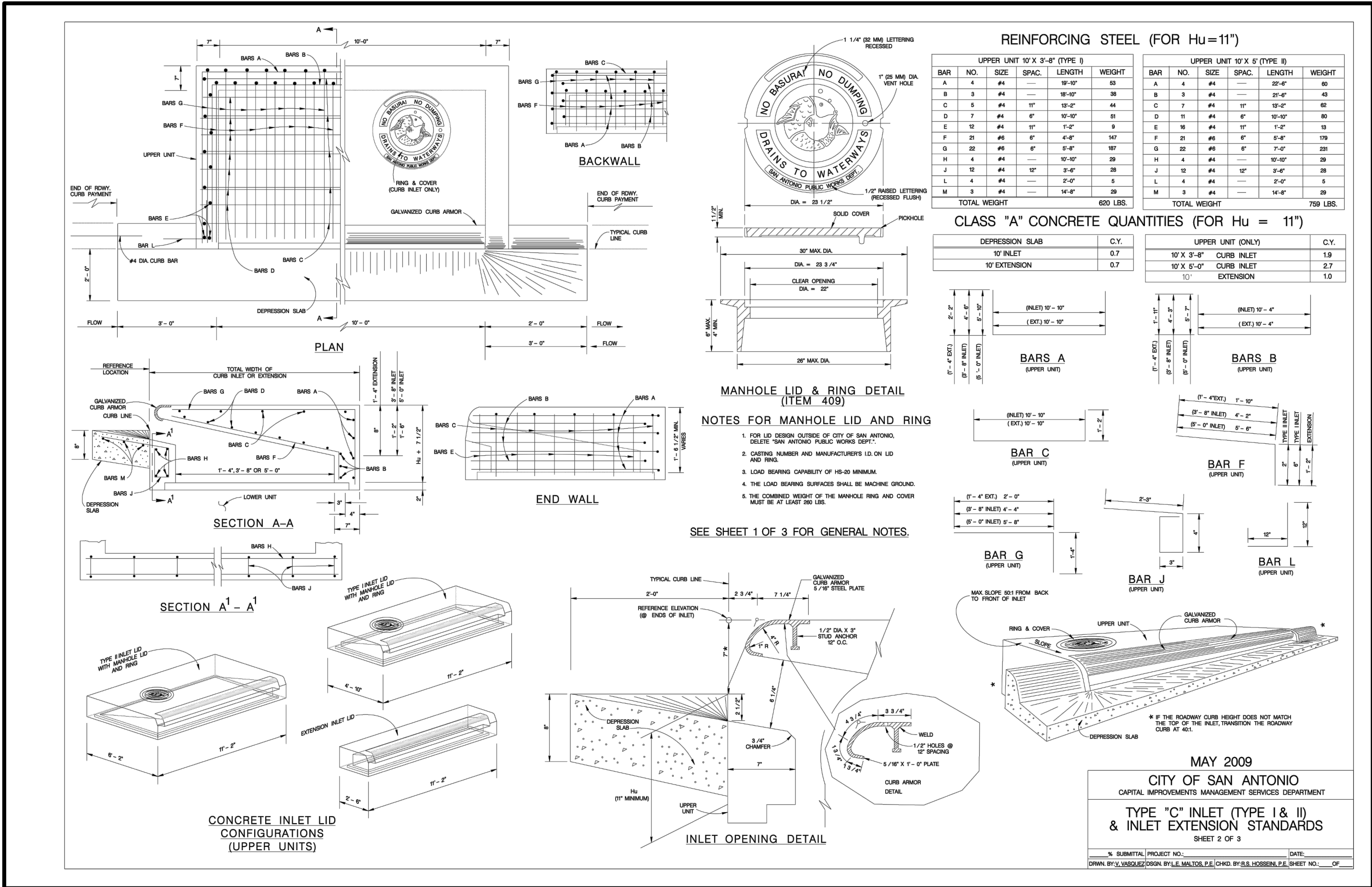
STONEHILL UNITS 6B & 8  
SAN ANTONIO, TEXAS  
PRIVATE V-SWALE DETAILS

PLAT NO. 24-11800437  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER RG  
CHECKED BL DRAWN KC  
SHEET C1.03

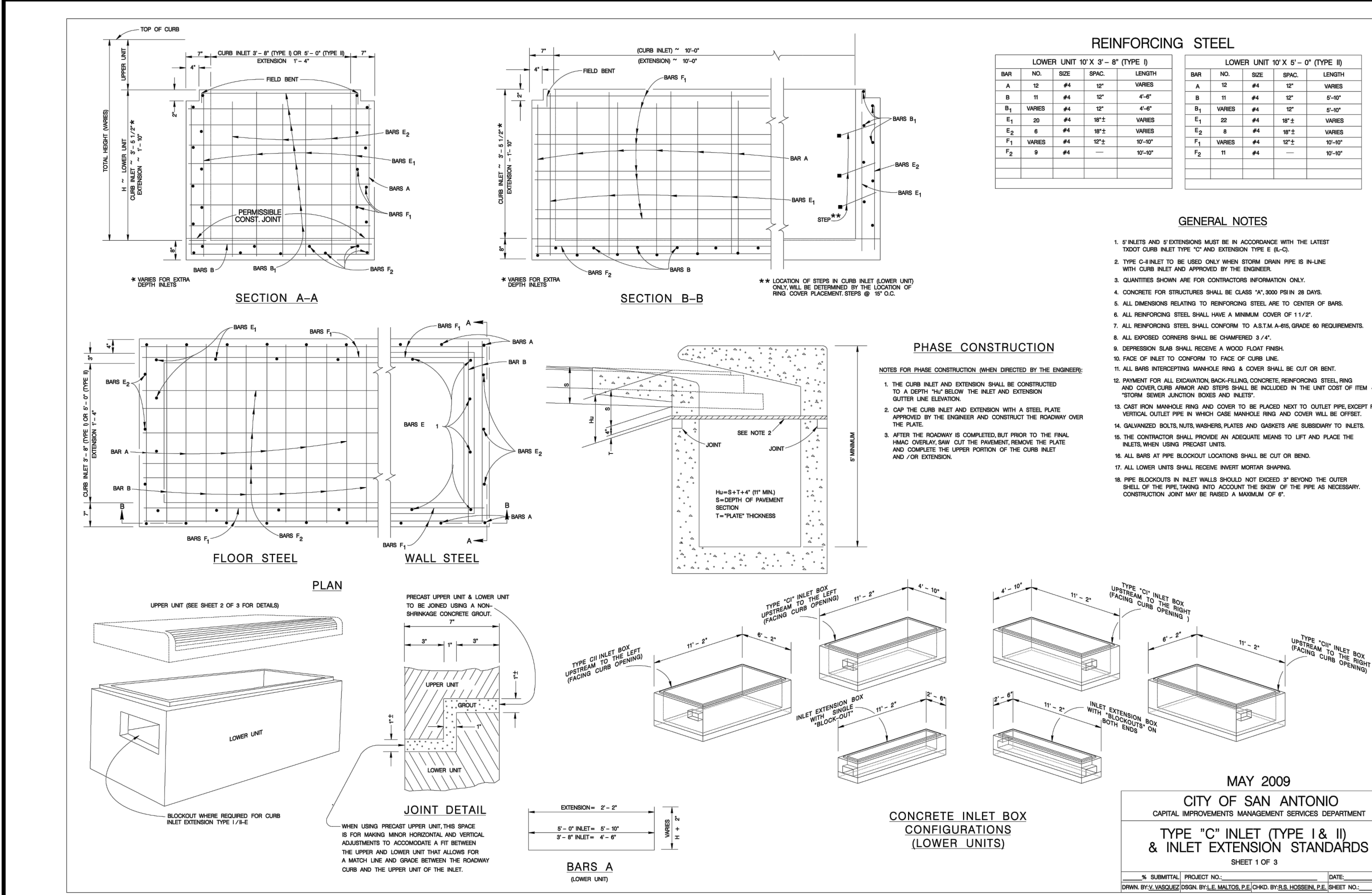


PAPE-DAWSON  
ENGINEERS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

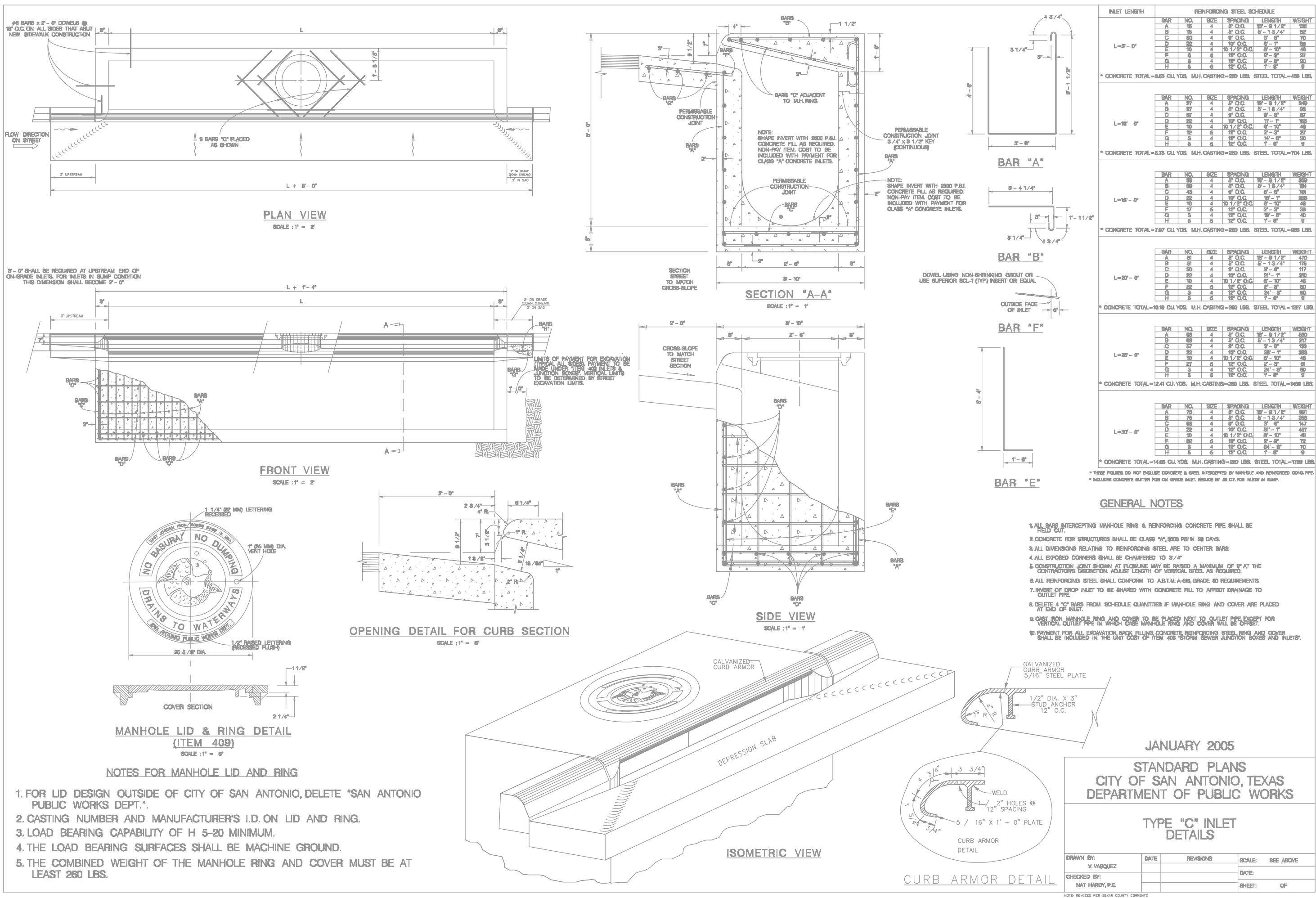




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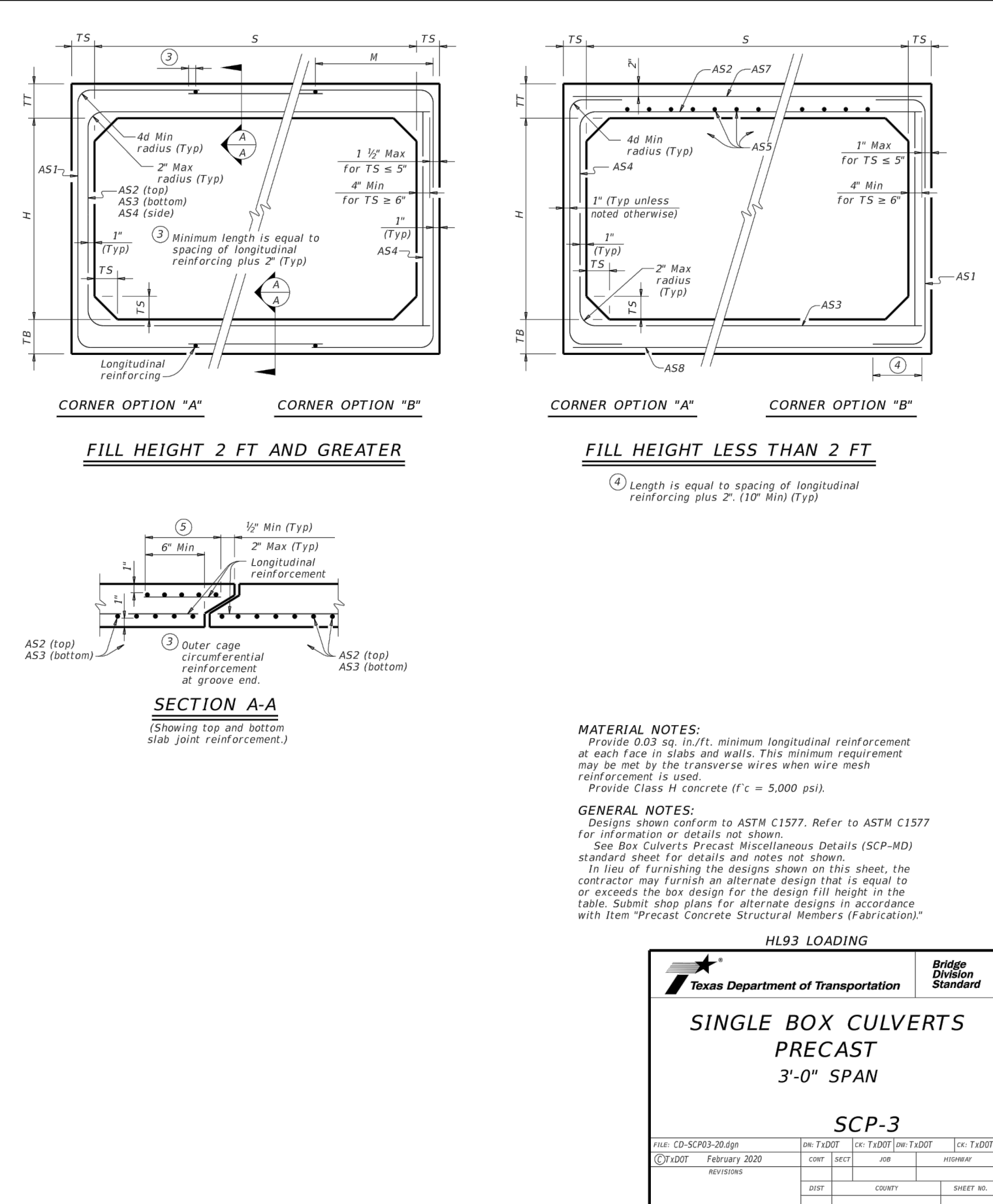


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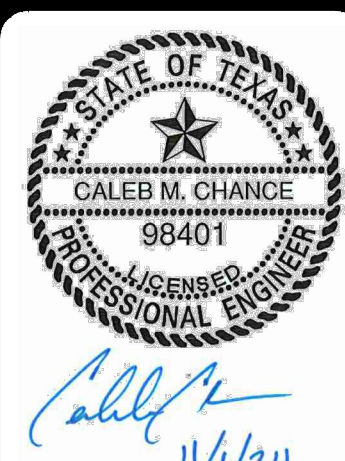
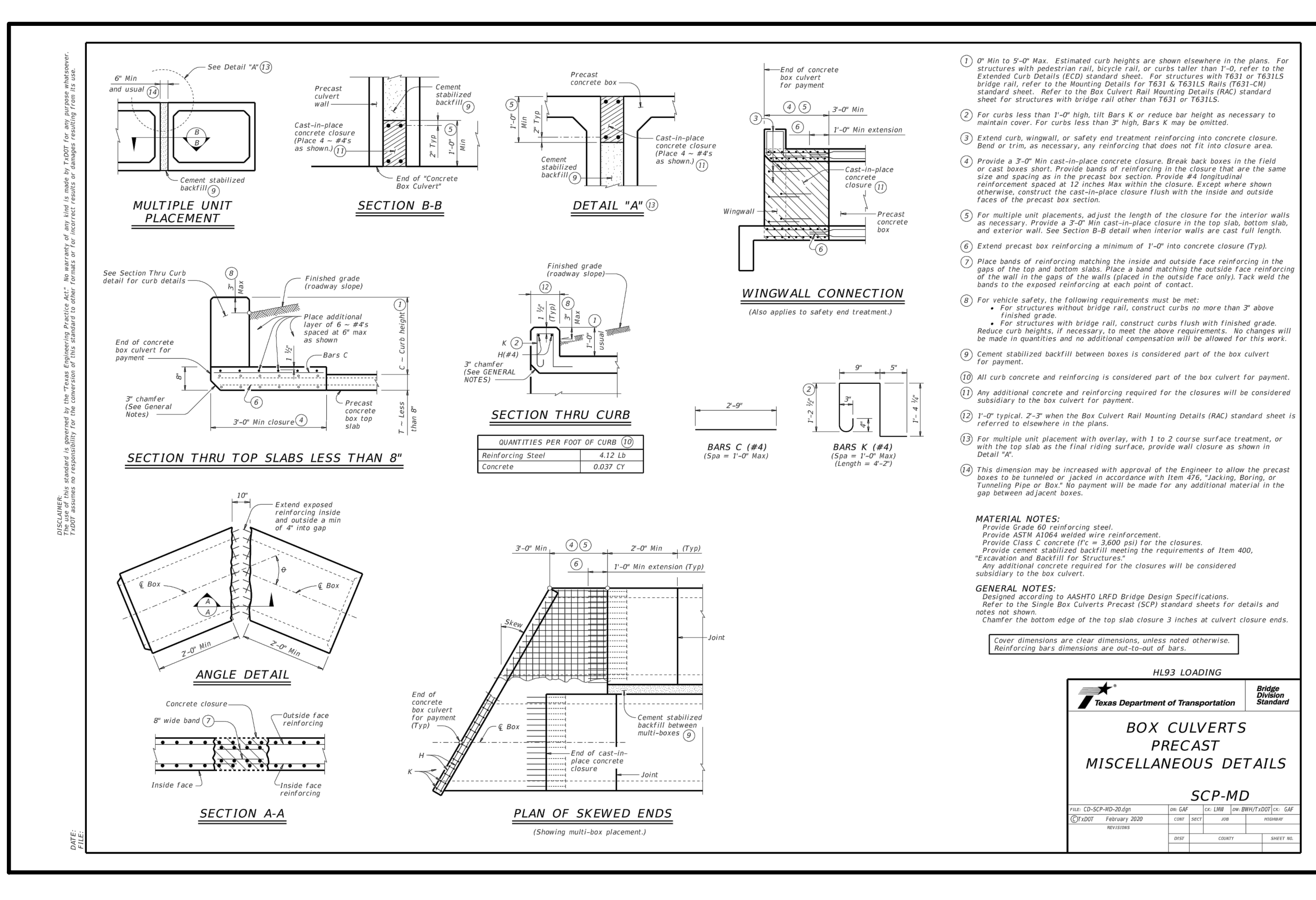




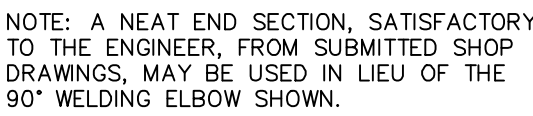
BOX DATA											
SECTION DIMENSIONS						REINFORCING (sq. in. / ft.) <sup>(2)</sup>					
S	H	TT	TB	TS	Fill Height	AS1	AS2	AS3	AS4	AS5	ASB
(ft.)	(ft.)	(in.)	(in.)	(in.)	(ft.)						
3	2	7	6	4	< 2	-	0.17	0.25	0.16	0.10	0.17
3	2	4	4	4	2 < 3	31	0.13	0.19	0.18	0.10	-
3	2	4	4	4	3 - 5	31	0.13	0.19	0.18	0.10	-
3	2	4	4	4	10	31	0.10	0.10	0.10	0.10	-
3	2	4	4	4	15	31	0.10	0.13	0.13	0.10	-
3	2	4	4	4	20	31	0.11	0.17	0.17	0.10	-
3	2	4	4	4	25	31	0.14	0.21	0.21	0.10	-
3	2	4	4	4	30	31	0.17	0.25	0.25	0.10	-
3	2	4	4	4	35	31	0.20	0.29	0.30	0.10	-
3	3	7	6	4	< 2	-	0.17	0.27	0.17	0.10	0.17
3	3	4	4	4	2 < 3	31	0.10	0.22	0.21	0.10	-
3	3	4	4	4	3 - 5	31	0.10	0.14	0.14	0.10	-
3	3	4	4	4	10	31	0.10	0.11	0.11	0.10	-
3	3	4	4	4	15	31	0.10	0.14	0.15	0.10	-
3	3	4	4	4	20	31	0.10	0.18	0.19	0.10	-
3	3	4	4	4	25	31	0.10	0.23	0.23	0.10	-
3	3	4	4	4	30	31	0.12	0.27	0.28	0.10	-
3	3	4	4	4	35	31	0.14	0.32	0.32	0.10	-



HL93 LOADING		Bridge Design Standard	
SINGLE BOX CULVERTS PRECAST		3'-0" SPAN	
SCP-3		REVISED	
Rev. CD-S2403-2024g	in T&E	in T&E	in T&E
CD-001	February 2020	CD-001	February 2020
CD-001	February 2020	CD-001	February 2020





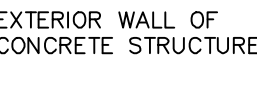


NOT-TO-SCALE

NOT-TO-SCALE

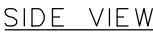
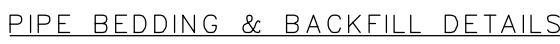


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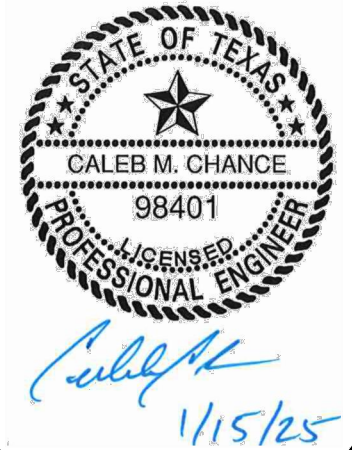


NOT-TO-SCALE  
PROVIDE AT CONNECTION TO ALL STRUCTURES

- NOTES:
1. CONCRETE FOR STRUCTURE SHALL BE CLASS "A", 3,000 P.S.I. AT 28 DAYS.
  2. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4".
  3. REINFORCING STEEL SHALL BE NEW OR REBUILT IMMEDIATE GRADE, ASTM A-15. THE DEFORMATION SHALL CONFORM TO ASTM A-305.
  4. ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
  5. ALL BARS INTERCEPTING MANHOLE OPENING AND REINFORCED CONCRETE PIPE SHALL BE FIELD-CUT.
  6. WHERE LAPPING OF BARS IS REQUIRED, A MINIMUM LAP OF 33 DIAMETERS SHALL BE USED.
  7. INVERT OF JUNCTION BOX TO BE SHAPED WITH CONCRETE FILL (3,000 P.S.I. MIN.) TO EFFECT DRAINAGE TO OUTLET PIPE. COST SUBSIDIARY TO LOSS "A" CONCRETE (JUNCTION BOXES).



MAY 2009			
CITY OF SAN ANTONIO			
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT			
PIPE BEDDING & MISCELLANEOUS DRAINAGE DETAILS			
% SUBMITTAL		PROJECT NO.	DATE:
DRAWN BY:	ISSUED BY:	CHECK BY:	SHEET NO. OF

[illegible]

**PAPE-DAWSON  
ENGINEERS**

# STONEHILL UNITS 6B & 8

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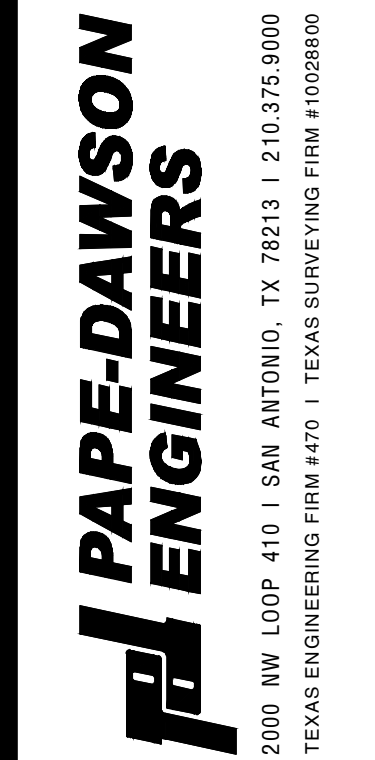
## SAN ANTONIO, TEXAS

### DRAINAGE DETAILS

## DRAINAGE DETAILS

PLAT NO. 24-11800437  
 JOB NO. 12456-14  
 DATE NOVEMBER 2024  
 DESIGNER RG  
 CHECKED BL DRAWN RG  
 SHEET C1.12

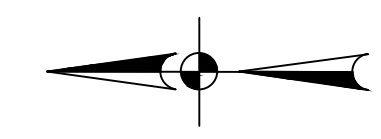


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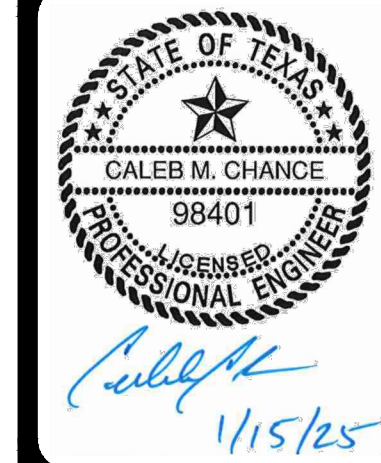
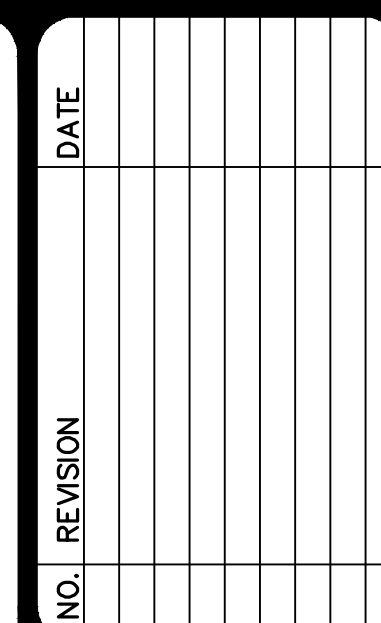
- STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS
- DALLAM COVE PLAN & PROFILE  
(STA. 1+40.00 TO END)

PLAT NO. 24-11800437  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER RG  
CHECKED BL DRAWN RG  
SHEET C2.00



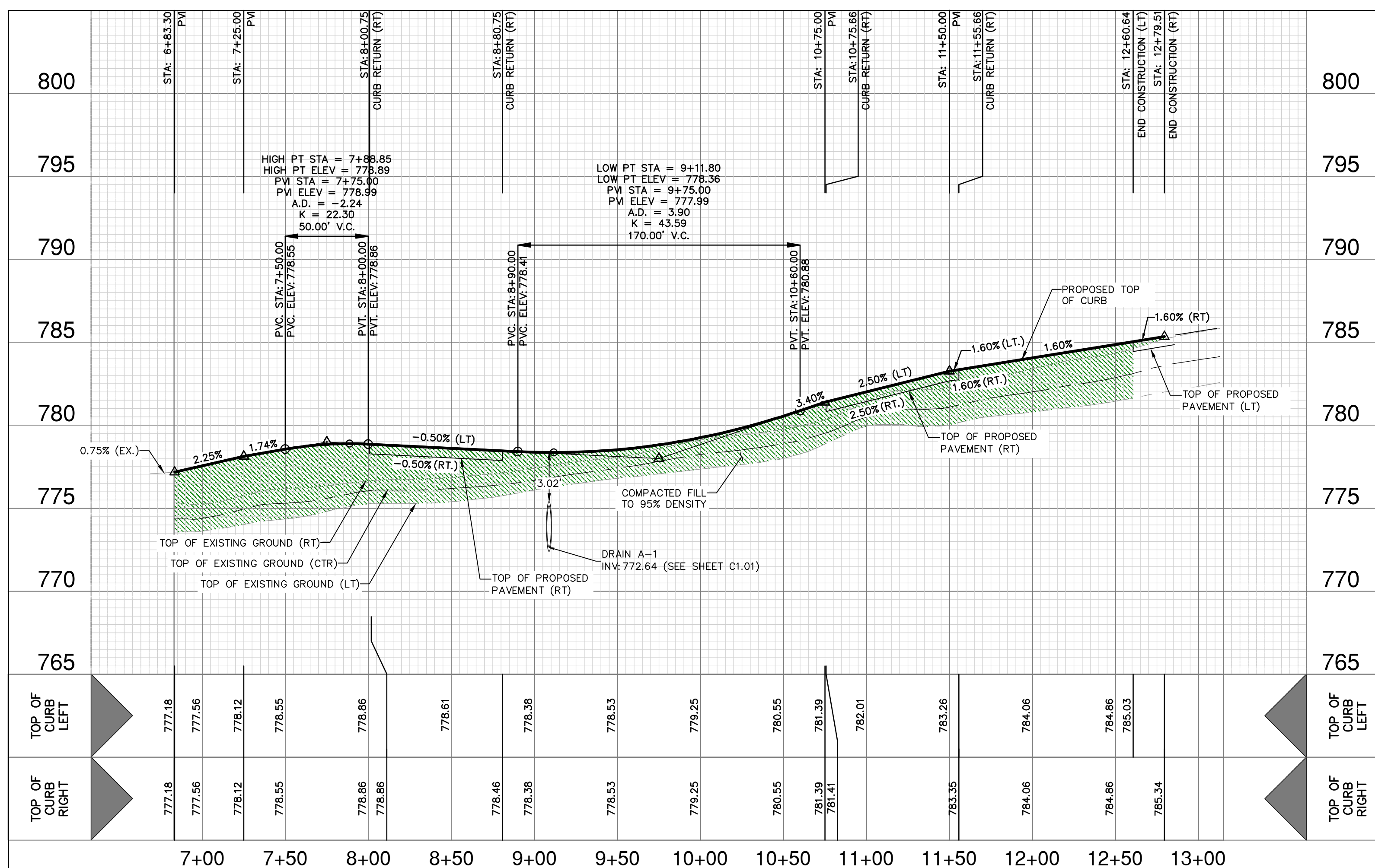


- | PROJECT LIMITS                           |                  |
|------------------------------------------|------------------|
| MAINTAIN GUTTER                          | →                |
| EXISTING CONTOUR                         | ----- 970' ----- |
| WHEELCHAIR RAMP                          | ①                |
| CENTERLINE                               | CL               |
| RADIUS POINT                             | RP               |
| POINT OF CURVATURE                       | PC               |
| POINT OF TANGENCY                        | PT               |
| RETURN                                   | RET              |
| DRAINAGE FLOW ARROW                      | ➔                |
| TOP OF CURB SPOT ELEVATION               | 857.30           |
| PAVEMENT ELEVATION                       | 857.00(P) x      |
| SIDEWALK BOX                             | ■                |
| WASHOUT CROWN SECTION                    |                  |
| SIDEWALK (DEVELOPER'S RESPONSIBILITY)    |                  |
| SIDEWALK (HOMEOWNER'S RESPONSIBILITY)    |                  |
| 5'X5' PAVING SPACE IN DEVELOPER SIDEWALK |                  |
| DRIVEWAY                                 |                  |



**PAPE-DAWSON  
ENGINEERS**

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



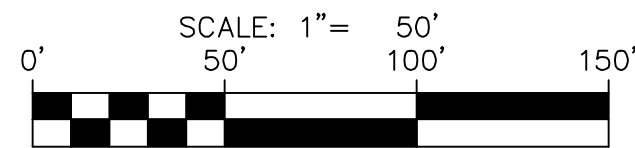
STREET NOTES:

1. A BEAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN BEAR 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.
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 OF EXISTING LOCAL STREET. ELEVATION IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
4. NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 4 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 THE CLEAR VISION EASEMENT SUCH THAT 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, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION 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 REMOVING THE STREET PLAN OF UTILITY LAID PER UDC SECTION 35-506 (Q)(6).
7. THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 9000 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN.

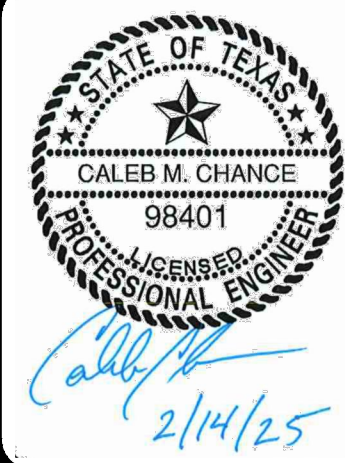
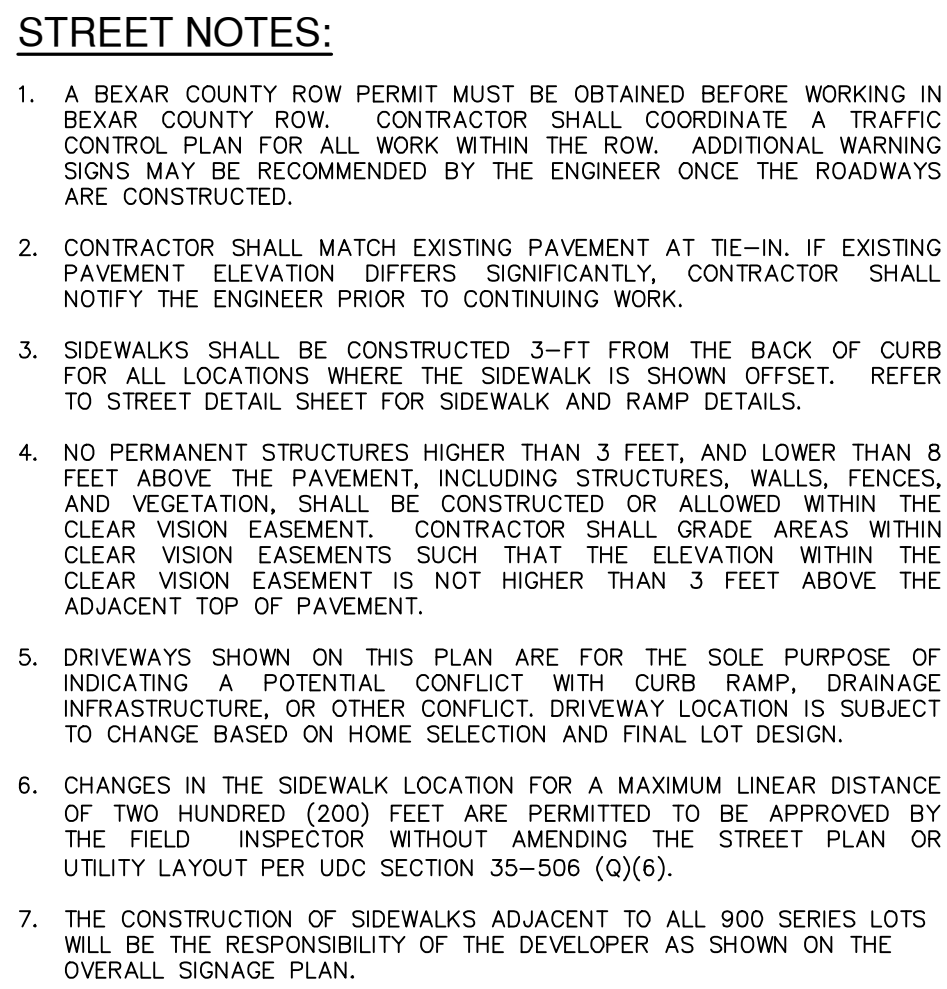
**STONEHILL UNITS 6B & 8**  
**SAN ANTONIO, TEXAS**  
**HANSFORD POINT PLAN & PROFILE**  
**(STA. 6+83.30 TO END)**

PLAT NO. 24-1180043  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER CR  
CHECKED BL DRAWN KC  
SHEET C2.01





PROJECT LIMITS	
MAINTAIN GUTTER	
EXISTING CONTOUR	
WHEELCHAIR RAMP	
CENTERLINE	
RADIUS POINT	
POINT OF CURVATURE	
POINT OF TANGENCY	
RETURN	
DRAINAGE FLOW ARROW	
POINT OF CURB SPOT ELEVATION	
PAVEMENT ELEVATION	
SIDEWALK BOX	
WASHOUT CROWN SECTION	
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	
5'X5' PASSING SPACE IN DEVELOPER SIDEWALK	
DRIVEWAY	



**PAPE-DAWSON  
ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10026800

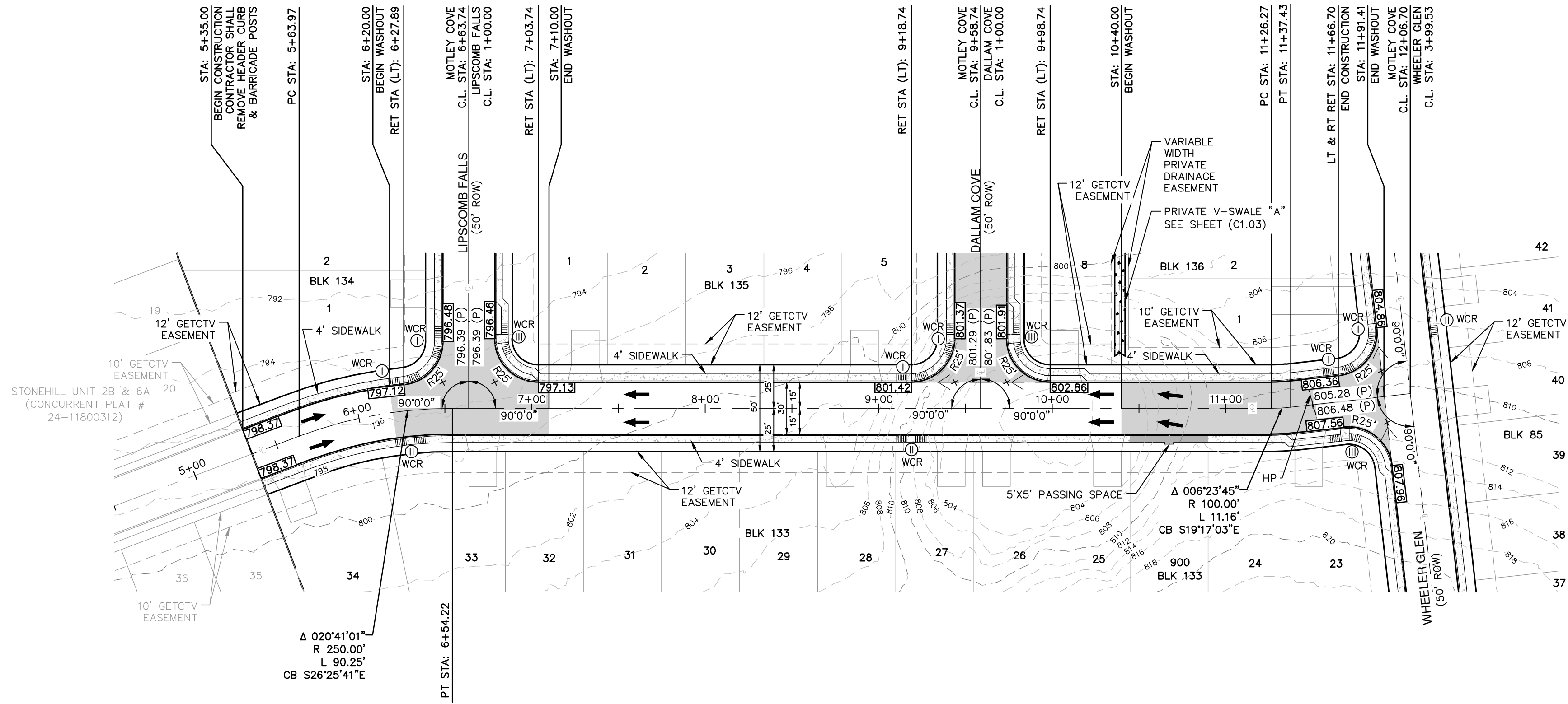
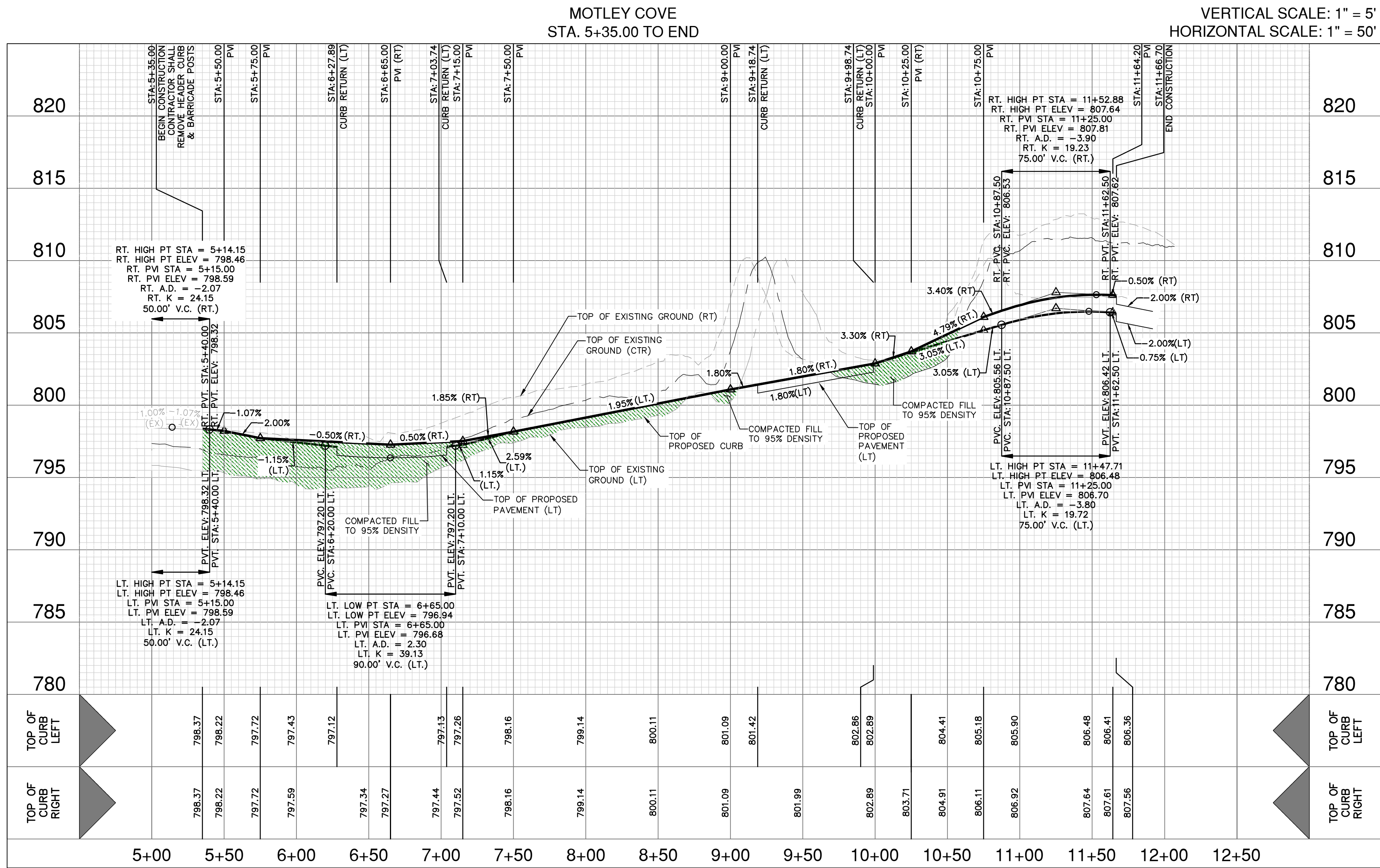
**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS  
LIPSCOMB FALLS PLAN & PROFILE  
(STA. 1+38.39 TO END)

PLAT NO. 24-1180043  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER CR  
CHECKED BL DRAWN KC  
SHEET C2.02



Notes: Apr. 31, 2025, 8:46am, User ID: R16abndpdrct5  
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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	857.00(P) x
PAVEMENT ELEVATION	857.00(P) x
SIDEWALK BOX	■
WASHOUT CROWN SECTION	■
SIDEWALK (DEVELOPER'S RESPONSIBILITY)	■
SIDEWALK (HOMEOWNER'S RESPONSIBILITY)	■
5'X5' PASSING SPACE IN DEVELOPER SIDEWALK	■
DRIVEWAY	---

**PAPE-DAWSON**  
**ENGINEERS**

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

**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS

**MOTLEY COVE PLAN & PROFILE**  
(STA. 5+35.00 TO END)

## 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).
- THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN.

PLAT NO. 24-11800437  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER CR  
CHECKED BL DRAWN KC  
SHEET C2.03

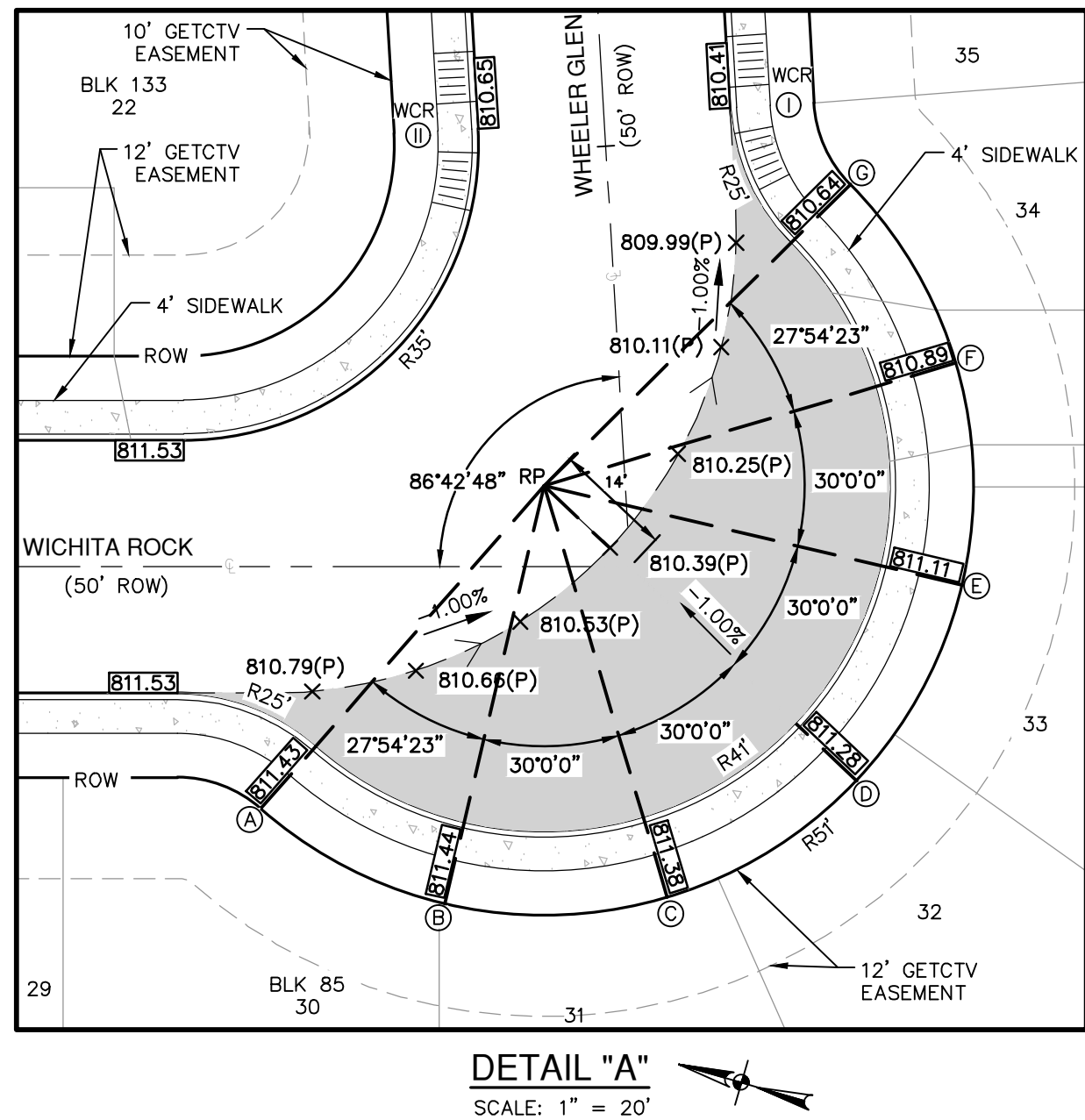
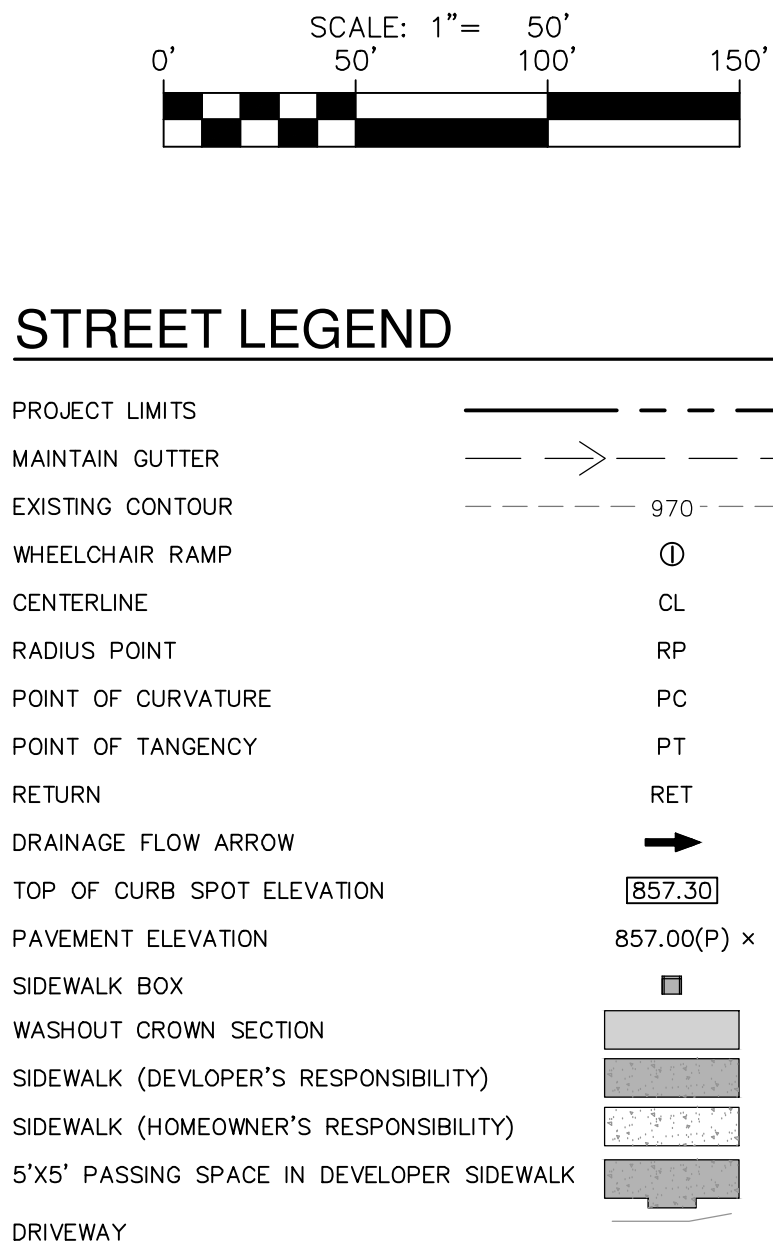
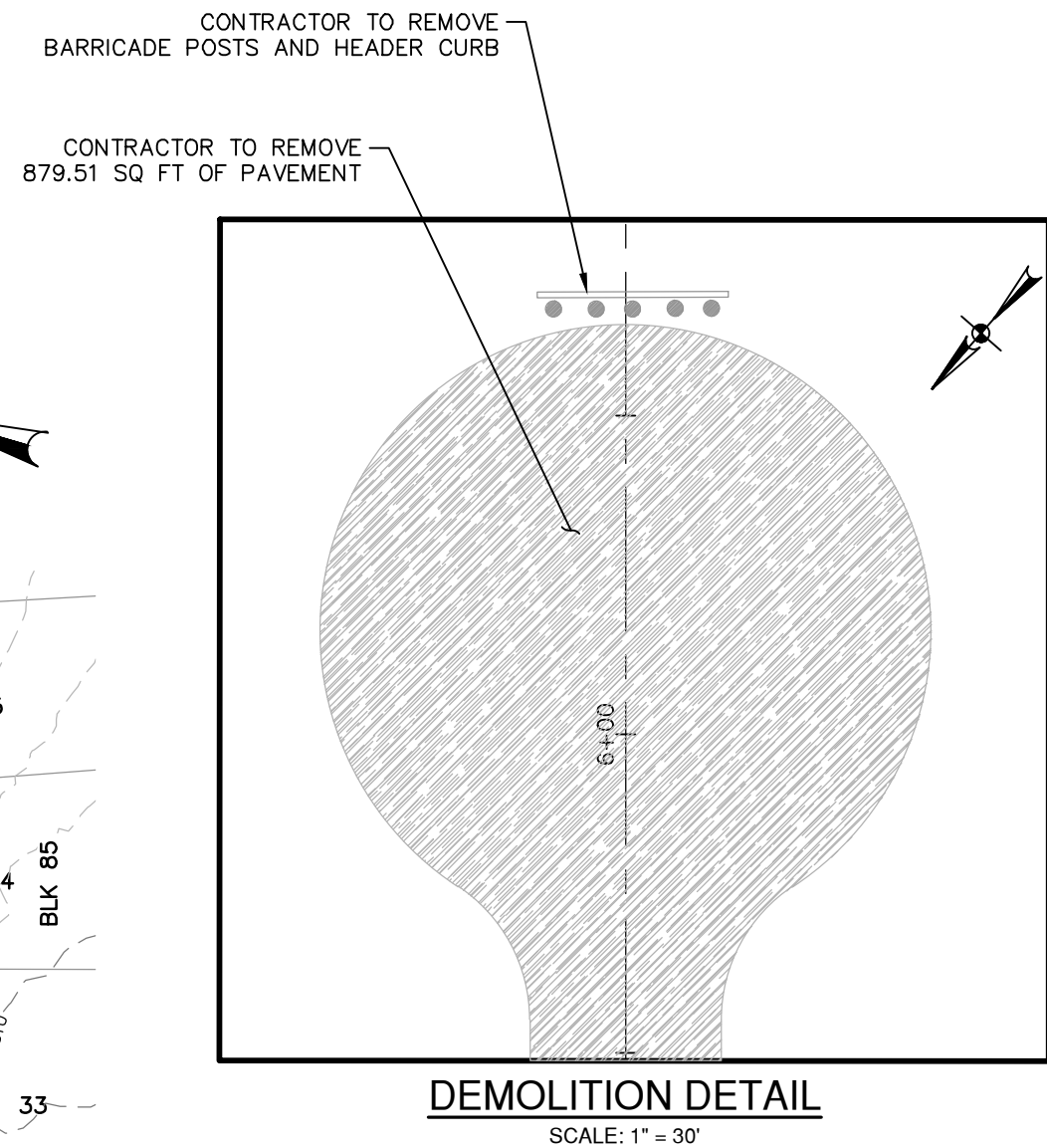
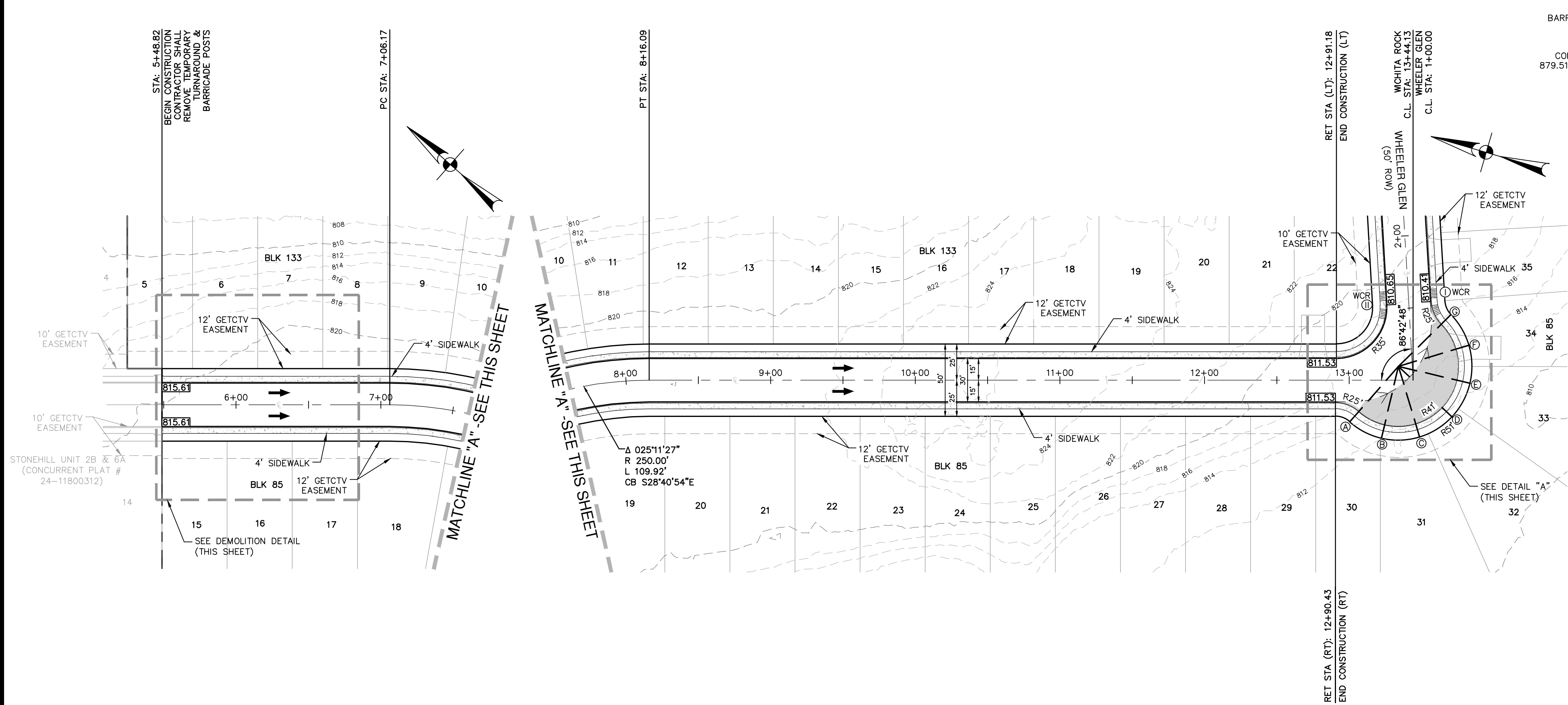
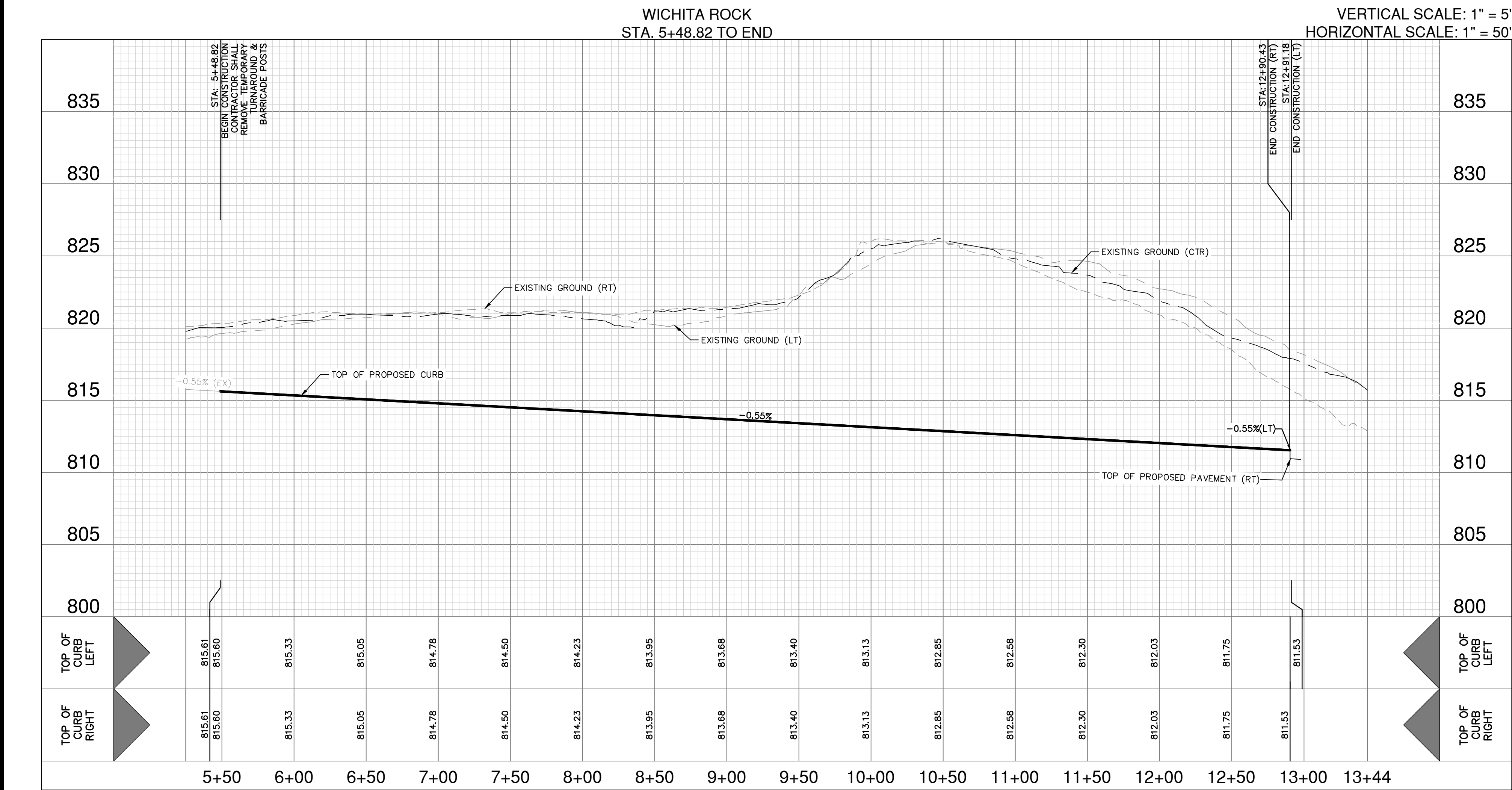






Date: Feb. 14, 2025, 8:14am User ID: Rickdawson@csd.com File: P:\124\56\1\A\Drawings\Civil\STA-5+48.82 to WICHITA ROCK.dwg

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#### 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.
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- THE CONSTRUCTION OF SIDEWALKS ADJACENT TO ALL 900 SERIES LOTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER AS SHOWN ON THE OVERALL SIGNAGE PLAN.

**PAPE-DAWSON  
ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS

**WICHITA ROCK PLAN & PROFILE**  
(STA. 5+48.82 TO END)

PLAT NO. 24-11800437  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER CB  
CHECKED BL DRAWN KC  
SHEET C2.05



PAVEMENT SECTION DETAIL									
STREET NAME	STATION	TYPE "D" HMAC	TYPE "C" HMAC	TYPE "B" HMAC	CRUSHED LIMESTONE BASE	STABILIZED SUBGRADE	GEOGRID (TENSAR TRIAX TXS)	CBR	STRUCTURAL NUMBER
DALLAM COVE	1+40.00 TO END	2"	*	*	10"	8"	NO	2	2.92
LIPSCOMB FALLS	1+38.89 TO END	2"	*	*	10"	8"	NO	2	2.92
HANSFORD POINT	6+83.30 TO END	2"	*	*	10"	8"	NO	2	2.92
WHEELER GLEN	1+52.95 TO END	2"	*	*	10"	8"	NO	2	2.92
WICHITA ROCK	5+48.82 TO END	2"	*	*	10"	8"	NO	2	2.92
MOTLEY COVE	5+35.00 TO END	2"	*	*	10"	8"	NO	2	2.92

GENERAL NOTES:

1. CONTRACTOR SHALL REFERENCE THE PROJECT PAVEMENT DESIGN REPORTS PREPARED BY INTEC DATED 01/31/2024 (INTEC PROJECT# S231361) Subsurface Exploration and Pavement Analysis, Proposed New Streets, Stonehill, Units 2B, 4A, 6A, 6B, 8, 9.
2. CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY THE SUB GRADE CONDITION PRIOR TO PLACING ANY BASE MATERIAL. GEOTECHNICAL ENGINEER SHALL DETERMINE THE SUB GRADE CONDITION AND IF LIME STABILIZATION IS REQUIRED.
3. GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE.
4. THE FLEXIBLE BASE COURSE SHOULD BE CRUSHED LIMESTONE CONFORMING TO TXDOT STANDARD SPECIFICATIONS, ITEM 247, TYPE A, GRADES 1 OR 2.
5. THE MOISTURE CONTENT OF THE FILL SHOULD BE MAINTAINED WITHIN THE RANGE OF OPTIMUM WATER CONTENT TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM WATER CONTENT UNTIL PERMANENTLY COVERED.
6. 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.
7. WHERE PAVEMENT SUBGRADE IS LOCATED WITHIN 2- FEET OF THE EXISTING GROUND SURFACE (STRATUM 1 CLAYS), MOISTURE CONDITIONED SUBGRADE WILL BE REQUIRED. GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE TO DETERMINE WHERE THE MOISTURE CONDITIONED SUBGRADE IS NEEDED. REFERENCE GEOTECHNICAL ENGINEERING REPORT FOR MORE INFORMATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL MATERIAL TESTING WITH THE PROJECT GEOTECHNICAL ENGINEER. TESTING SHALL BE PAID FOR BY THE OWNER.
9. FILL MATERIAL SHOULD BE NATIVE ON-SITE MATERIAL, FREE OF DELETERIOUS MATERIAL WITH A MINIMUM CBR VALUE OF 2 AND A PI WITHIN RANGE OF 5 AND 60. THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN DIAMETER. LIME OR CEMENT APPLICATION RATES SHOULD BE RE-EVALUATED FOR THE FILL MATERIAL. THE MATERIAL SHOULD BE PLACED AS PER APPLICABLE CITY OR COUNTY GUIDELINES. CONTRACTOR TO VERIFY EXACT SPECIFICATIONS WITH PROJECT GEOTECHNICAL ENGINEERING REPORT.
10. 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:

1. CUT AND FILL DATA ARE NOT AVAILABLE AT THIS TIME.
2. FILL USED TO RAISE THE GRADE:

•APPROVED FILL MATERIAL FREE SHOULD HAVE A MINIMUM CBR VALUE OF 2.0 AND A MAXIMUM PLASTICITY INDEX VALUE OF 60 (ON SITE MATERIAL). LIME APPLICATION RATES SHOULD BE RE-EVALUATED AND TESTED FOR SULFATE CONTENT PRIOR TO USE OF THE FILL MATERIAL.

•THE FILL MATERIAL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER, FREE OF DELETERIOUS MATERIAL, AND THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN SIZE. THE MATERIAL SHOULD BE PLACED AND COMPACTED AS PER APPLICABLE CITY / COUNTY GUIDELINES.

•THE SUBGRADE, PRIOR TO PLACEMENT OF FILL, SHOULD BE PROOF ROLLED TO IDENTIFY WEAK AREAS. ANY IDENTIFIED WEAK AREAS SHOULD BE RECOMPACTED.
3. BASED ON THE THICKNESS OF THE CLAYS ENCOUNTERED IN THE BORINGS, WE ANTICIPATE THE FINAL PAVEMENT SUBGRADE PLASTICITY INDEX VALUE TO BE GREATER THAN 20. AS PER BEXAR COUNTY/CITY OF SAN ANTONIO REQUIREMENTS, SUBGRADE STABILIZATION IS NEEDED WHEN THE PLASTICITY INDEX VALUES ARE GREATER THAN 20.
4. IF THE SUBGRADE PLASTICITY INDEX VALUES ARE LESS THAN OR EQUAL TO 20, AS PER CITY OF SAN ANTONIO OR BEXAR COUNTY REQUIREMENTS, SUBGRADE STABILIZATION IS NOT NEEDED.
5. IF THE FINAL STREET SUBGRADE PLASTICITY INDEX VALUES ARE GREATER THAN 20, THEN THE SUBGRADE SHOULD BE STABILIZED.

•STABILIZE THE SUBGRADE:

• STABILIZED TO A DEPTH OF 8 INCHES USING 8 PERCENT LIME CONTENT.

• THE SUBGRADE SOILS SHOULD BE TESTED FOR SOIL SULFATE CONTENT PRIOR TO STABILIZATION. IF THE SOIL SULFATE CONTENT IS HIGHER THAN 3000 PPM, AN ALTERNATE PROCEDURE WILL BE NEEDED.

• LIME APPLICATION RATE OF 45.5 LBS PER SQ YARD FOR 8-INCH DEPTH OF STABILIZATION IS RECOMMENDED.

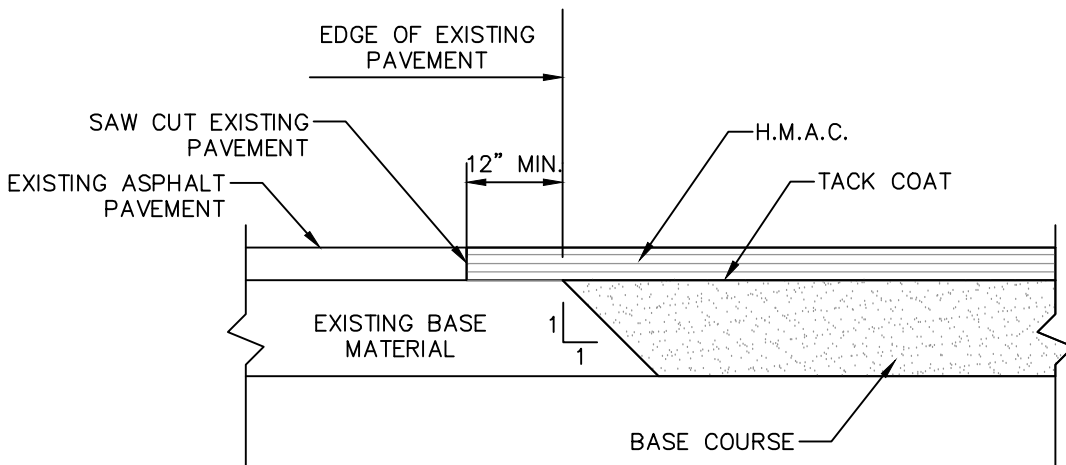
LIME NOTES:

- FOR LIME STABILIZATION CONSTRUCTION VERIFICATION THE FOLLOWING SHALL BE CONDUCTED ON THE FIELD:
1. AFTER INITIAL MIXING THE SOIL-LIME MIXTURE SHALL MELLOW FOR A PERIOD OF TWO TO THREE (2-3) DAYS. MAINTAIN MOISTURE DURING MELLOWING.
2. AFTER MELLOWING AND FINAL MIXING, THE PULVERIZATION SHALL BE CHECKED USING THE FOLLOWING CRITERIA (REMOVE NON-SLAKING AGGREGATES RETAINED ON THE 3/8 INCH SIEVE FROM THE SAMPLE):

• MINIMUM PASSING 12" SIEVE100

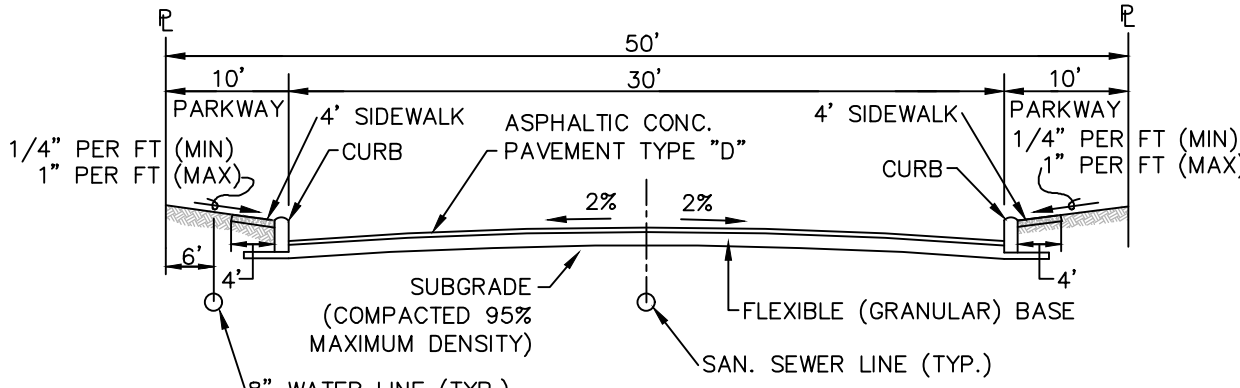
• MINIMUM PASSING 3" SIEVE85

• MINIMUM PASSING NO. 4 SIEVE60
3. SAMPLE SOIL-LIME MIXTURE FOR DETERMINATION OF MAXIMUM DRY DENSITY (MDD). IN THE LABORATORY, MOLD SPECIMENS TO 95% OF MDD AT OPTIMUM MOISTURE CONTENT AND VERIFY UCS TO BE AT LEAST 160 PSI IN ACCORDANCE WITH PROCEDURE OUTLINED IN THE BEXAR COUNTY FLEXIBLE PAVEMENT DESIGN CRITERIA GUIDE FOR MIXTURE DESIGN.
4. COMPACT AND CHECK FIELD DENSITY (MINIMUM OF 95% OF MDD REQUIRED).
5. CURE FOR AN ADDITIONAL 2 TO 5 DAYS (TOTAL MELLOWING AND CURING TIME SHOULD TOTAL AT LEAST 5 DAYS).
6. VERIFY DEPTH OF LIME STABILIZED LAYER TO DEPTH AS NOTED ON PLAN TO WITHIN +/- 1.0 INCH.



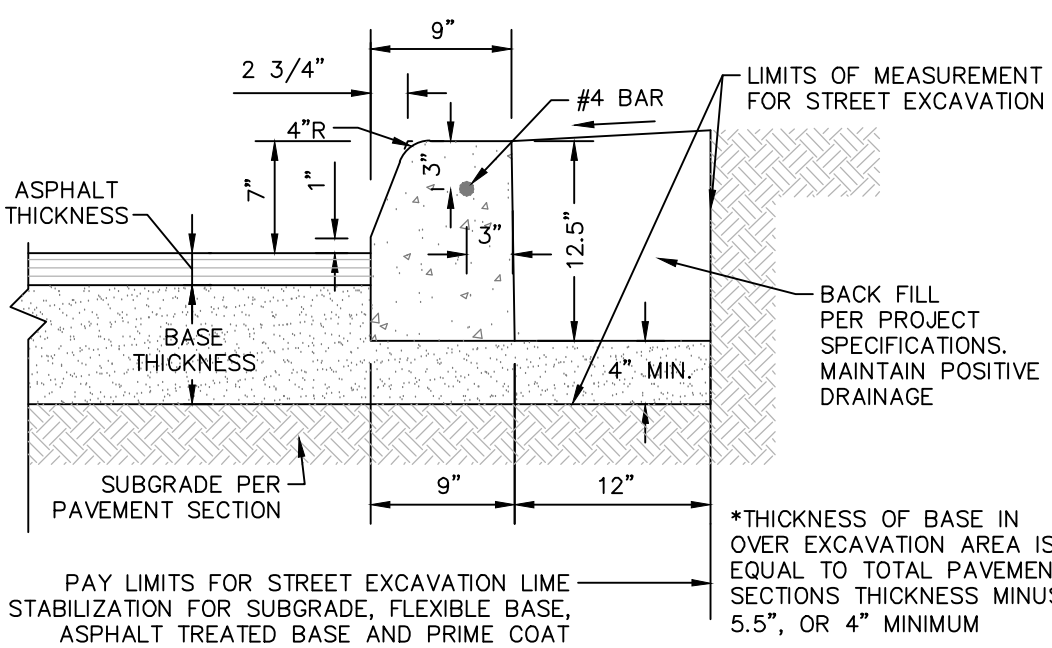
ASPHALT/ASPHALT JUNCTURE DETAIL

NOT-TO-SCALE



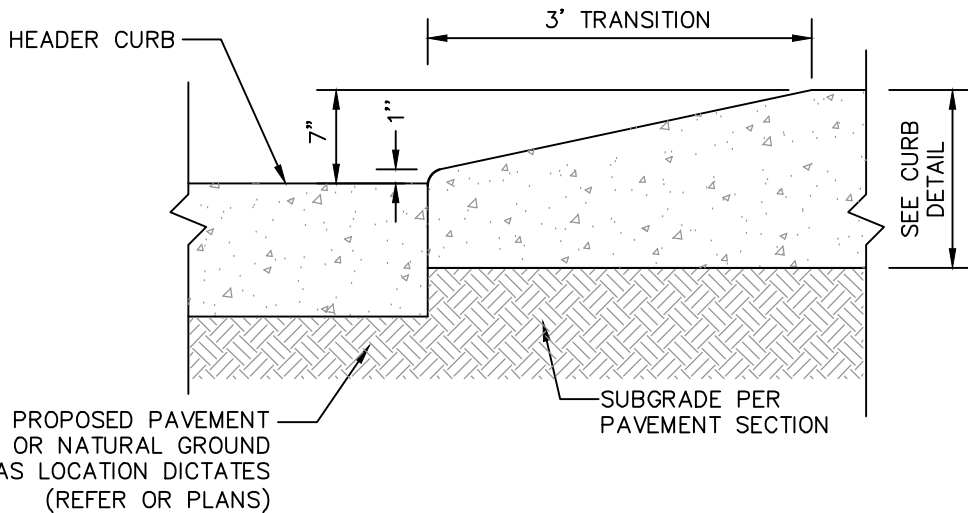
50' (LOCAL TYPE "A") STREET SECTION

NOT-TO-SCALE



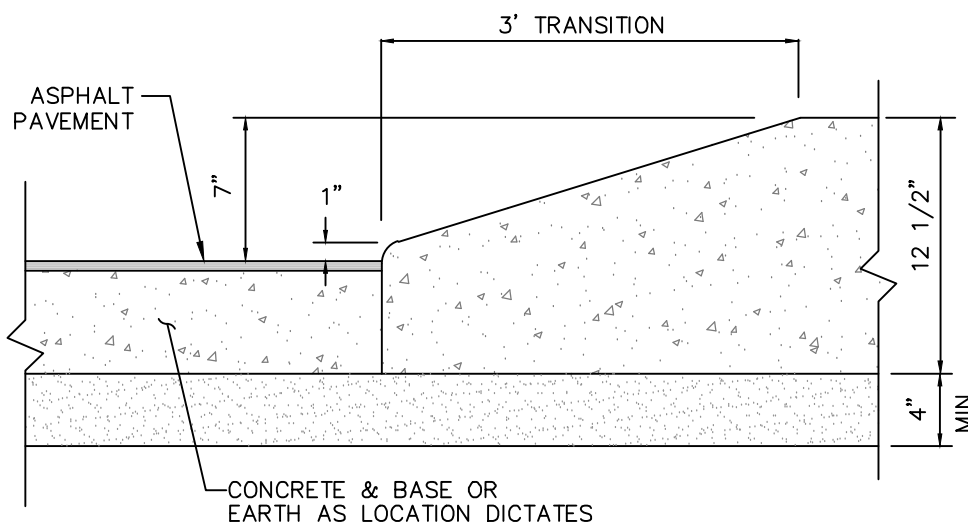
CONCRETE CURB DETAIL

NOT-TO-SCALE



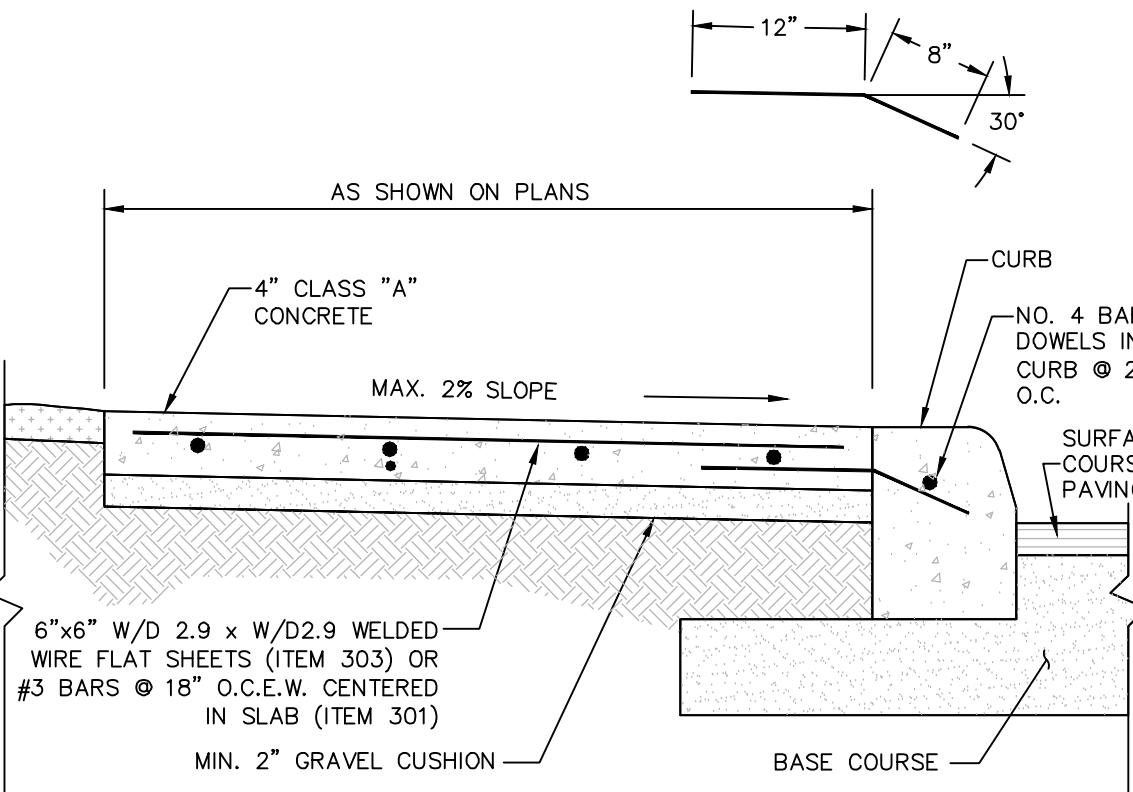
CURB TRANSITION DETAIL  
(FROM HEADER CURB TO STANDARD CURB)

NOT-TO-SCALE



CURB TRANSITION DETAIL  
(FROM PAVEMENT TO STANDARD CURB)

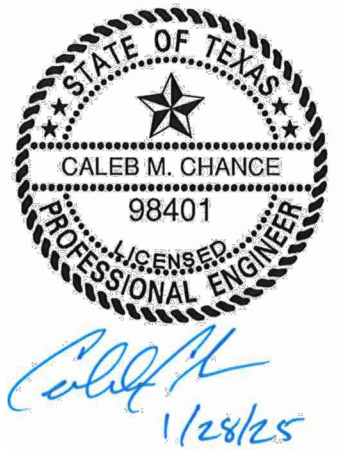
NOT-TO-SCALE



SIDEWALK DETAIL

NOT-TO-SCALE

DATE	
NO.	
REVISION	



**PAPE-DAWSON**  
**ENGINEERS**

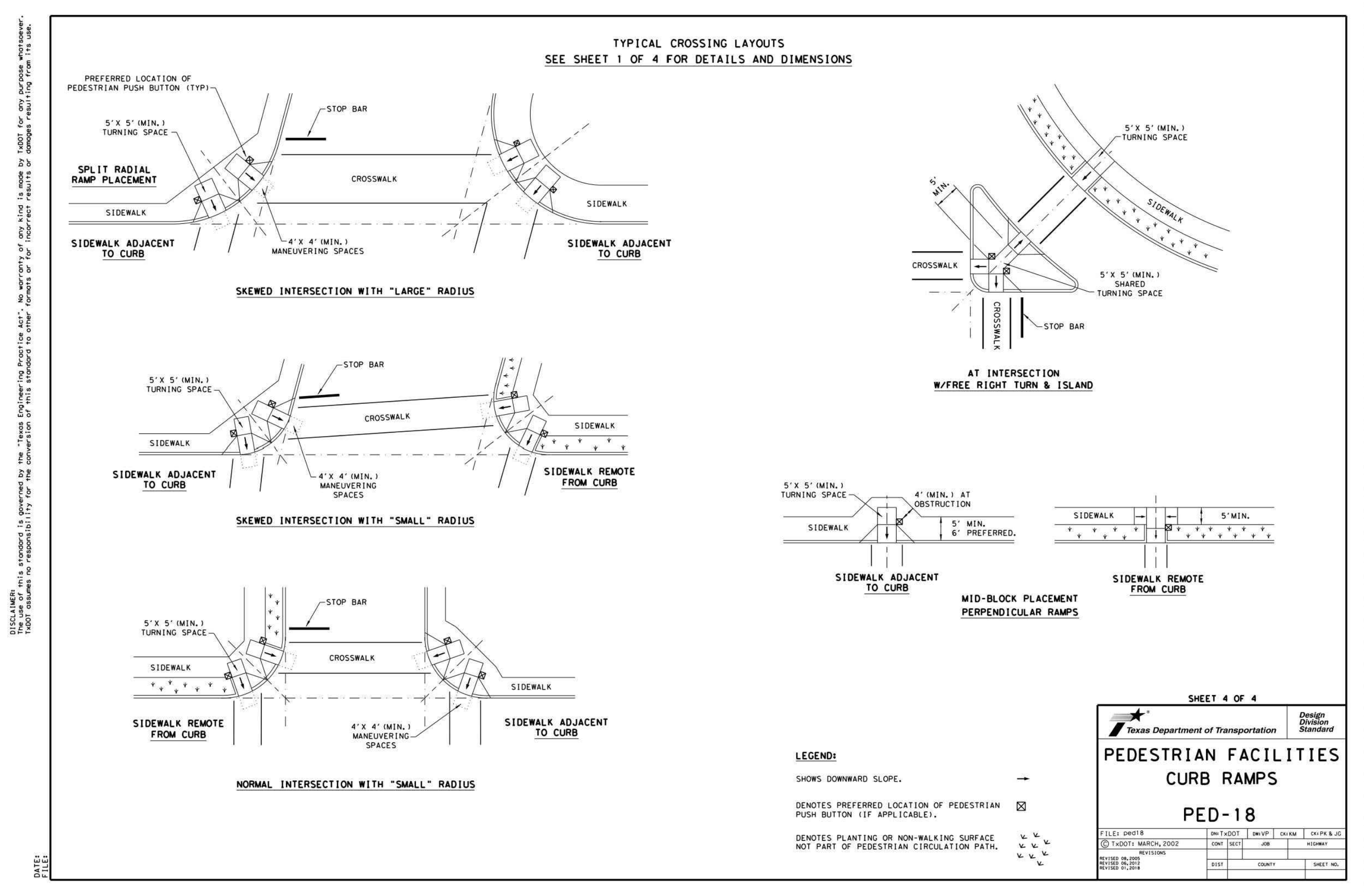
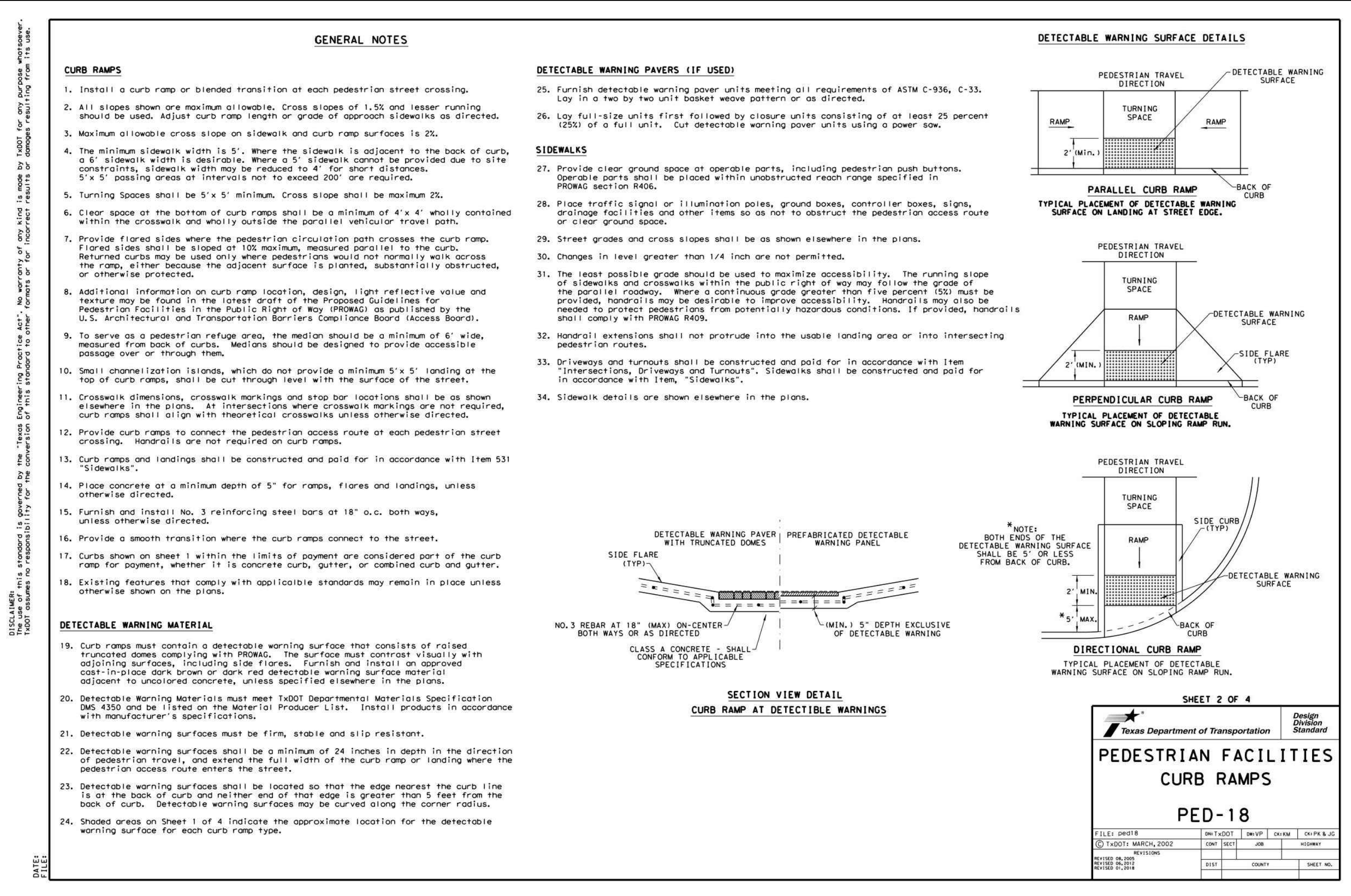
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

**STONEHILL UNITS 6B & 8**  
**SAN ANTONIO, TEXAS**

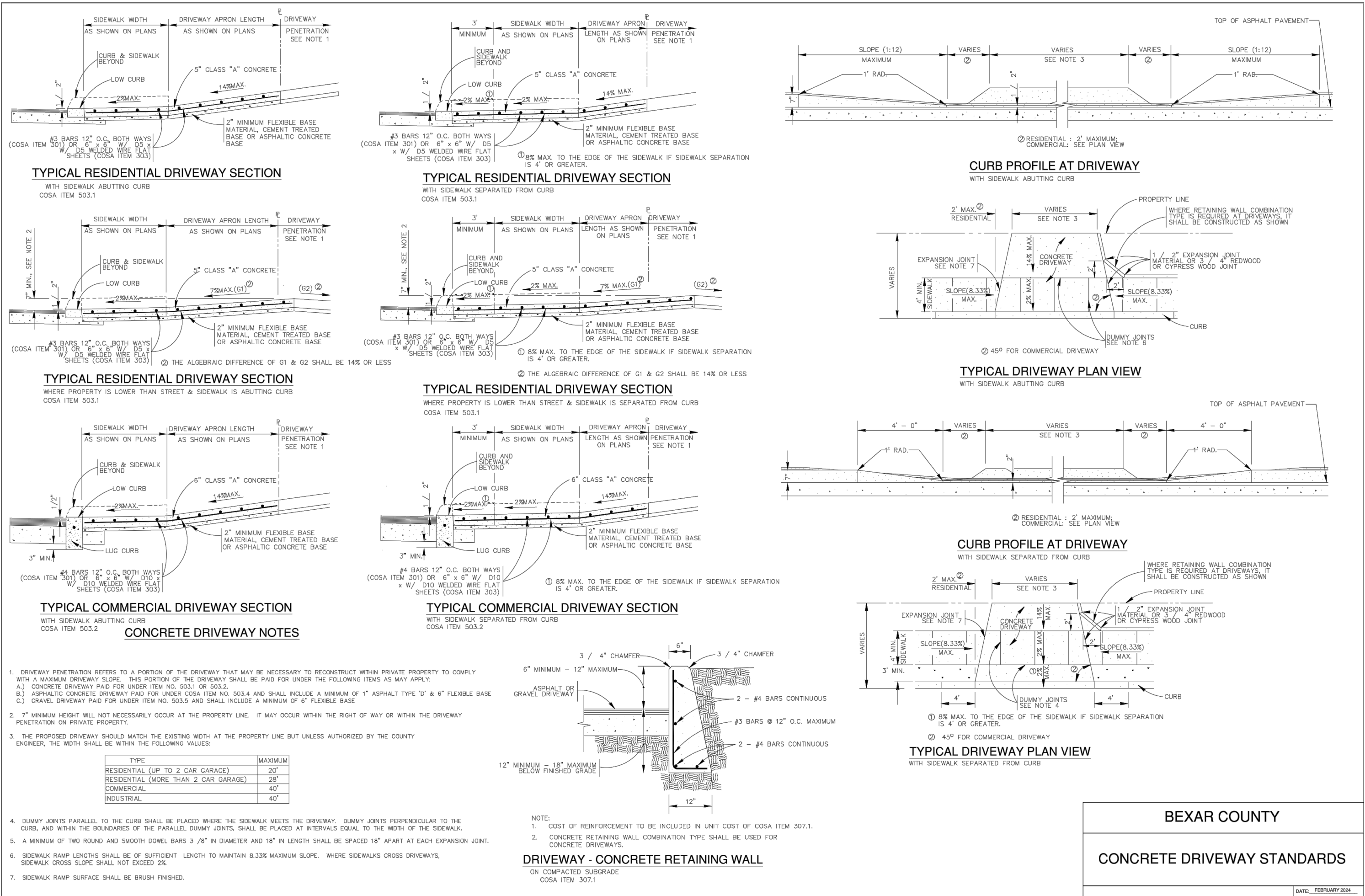
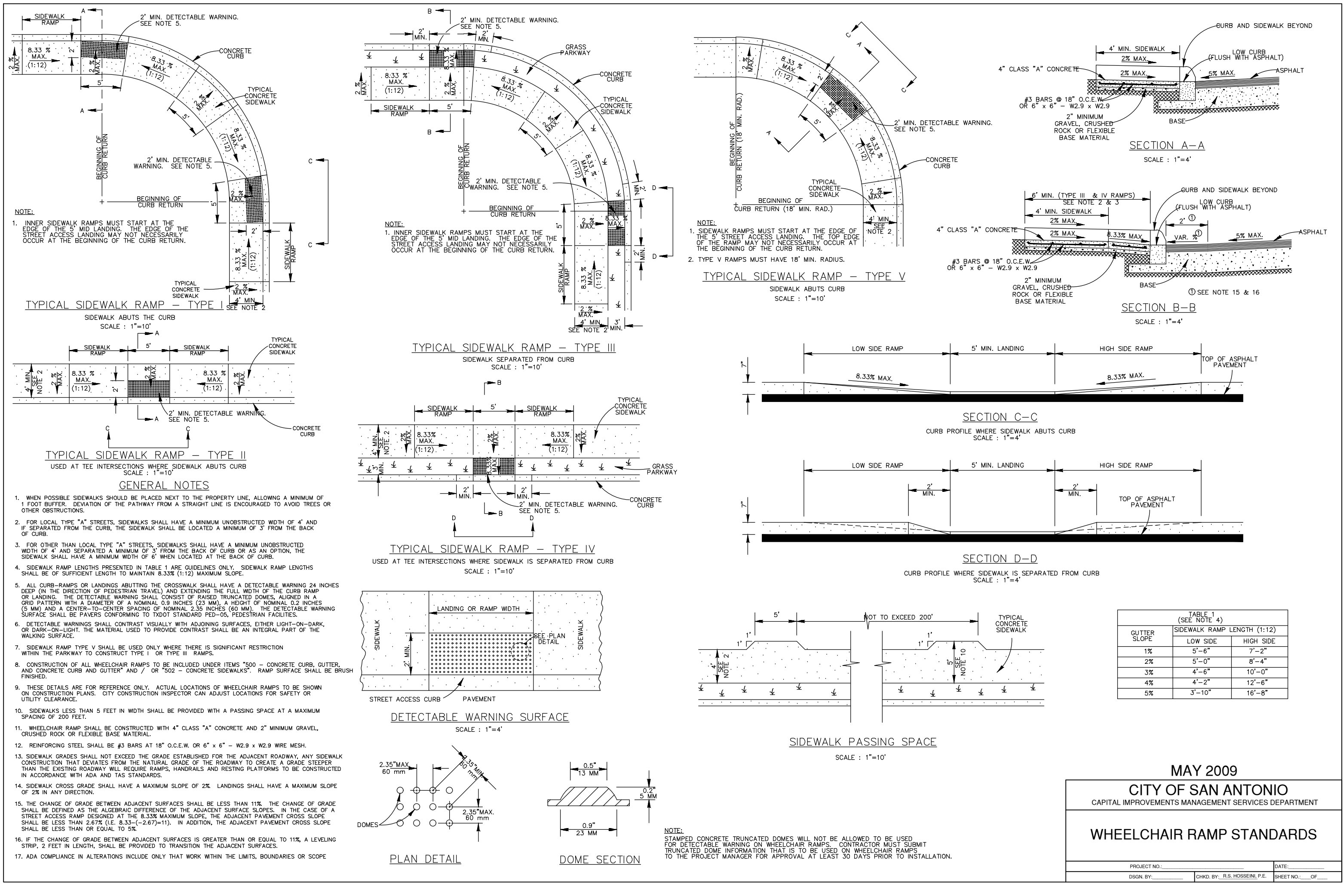
TYPICAL STREET DETAILS

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	KC
SHEET	C2.10









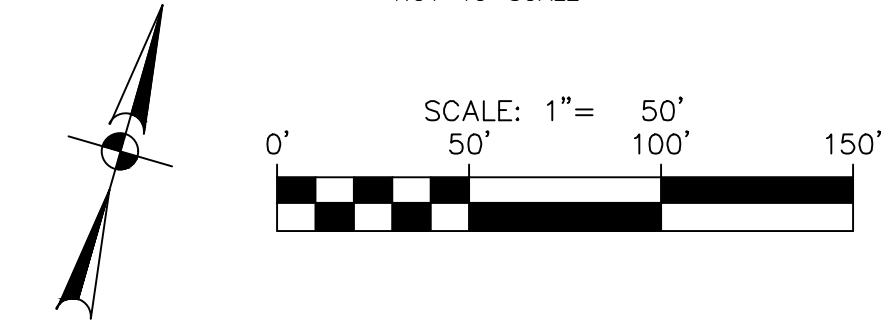
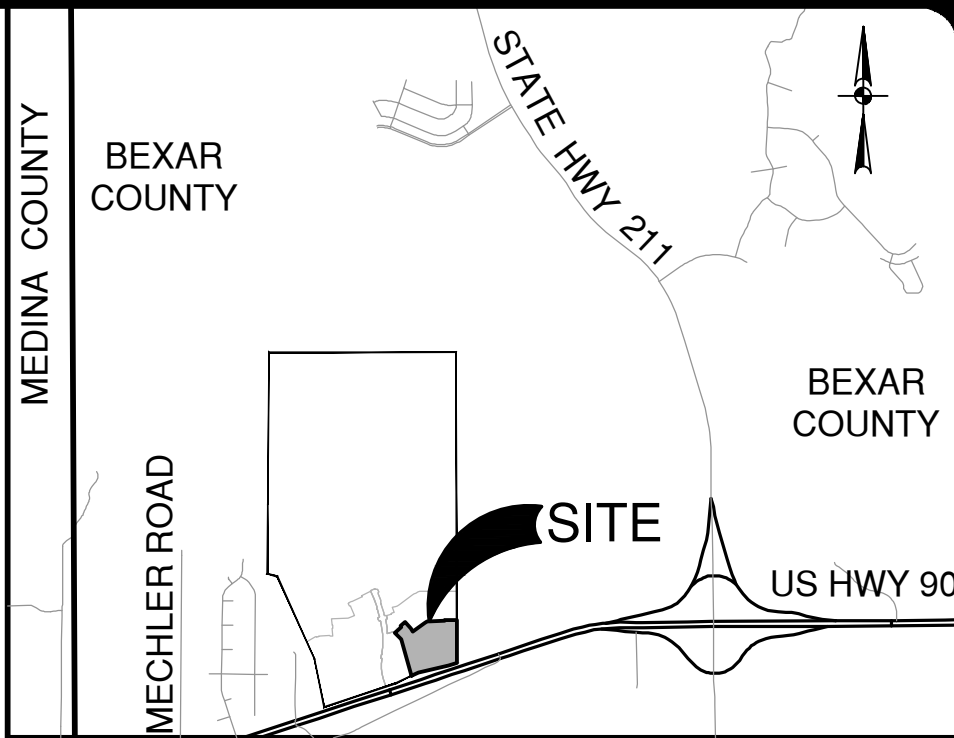
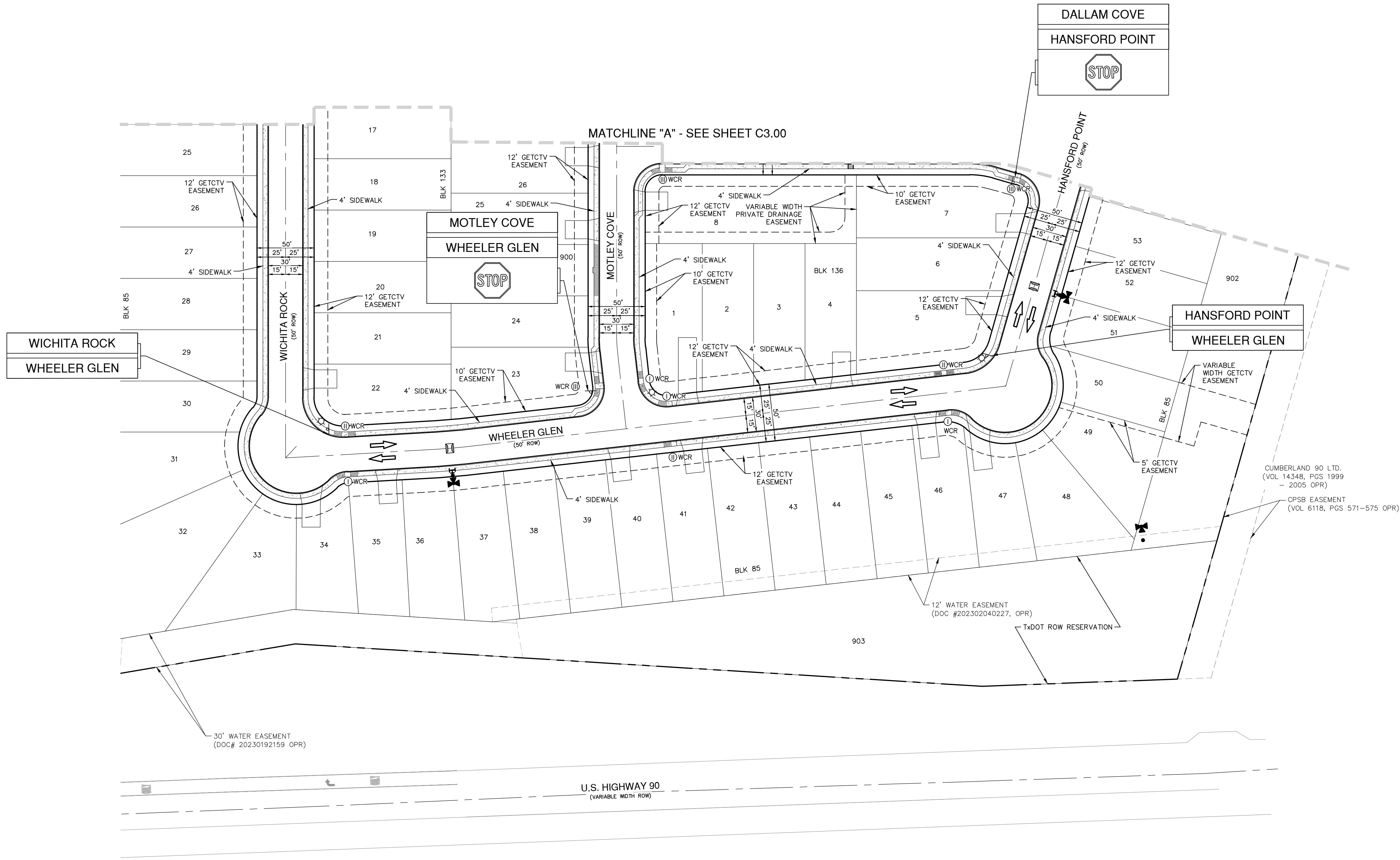






Date: Feb. 14, 2025, 8:15am, User ID: Rchardgarcia  
File Path: P:\24-11800437\14-Overall Signage Plan\24-11800437.dwg

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/CAPCO/Digital Globe/Texas Orthoregistry Program, USDA Farm Service Agency.



SYMBOL	ITEM NUMBER
	UNIT BOUNDARY
	CURB INLET
	PROPOSED DRIVEWAY
	TRAFFIC FLOW ARROW
	SIDEWALK (HOMEBUILDER RESPONSIBILITY)
	SIDEWALK (SITWORK DEVELOPER RESPONSIBILITY)
	TYPE II BLUE RAISED PAVEMENT MARKERS - NO SEPARATE PAY ITEM (N.T.S.)
	STREET SIGN
	R1-1 30"x30"

DATE

NO. REVISION

2/14/25

PAPE-DAWSON  
ENGINEERS

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

STONEHILL UNITS 6B & 8  
SAN ANTONIO, TEXAS  
OVERALL SIGNAGE PLAN

**BEXAR COUNTY ROW 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.

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

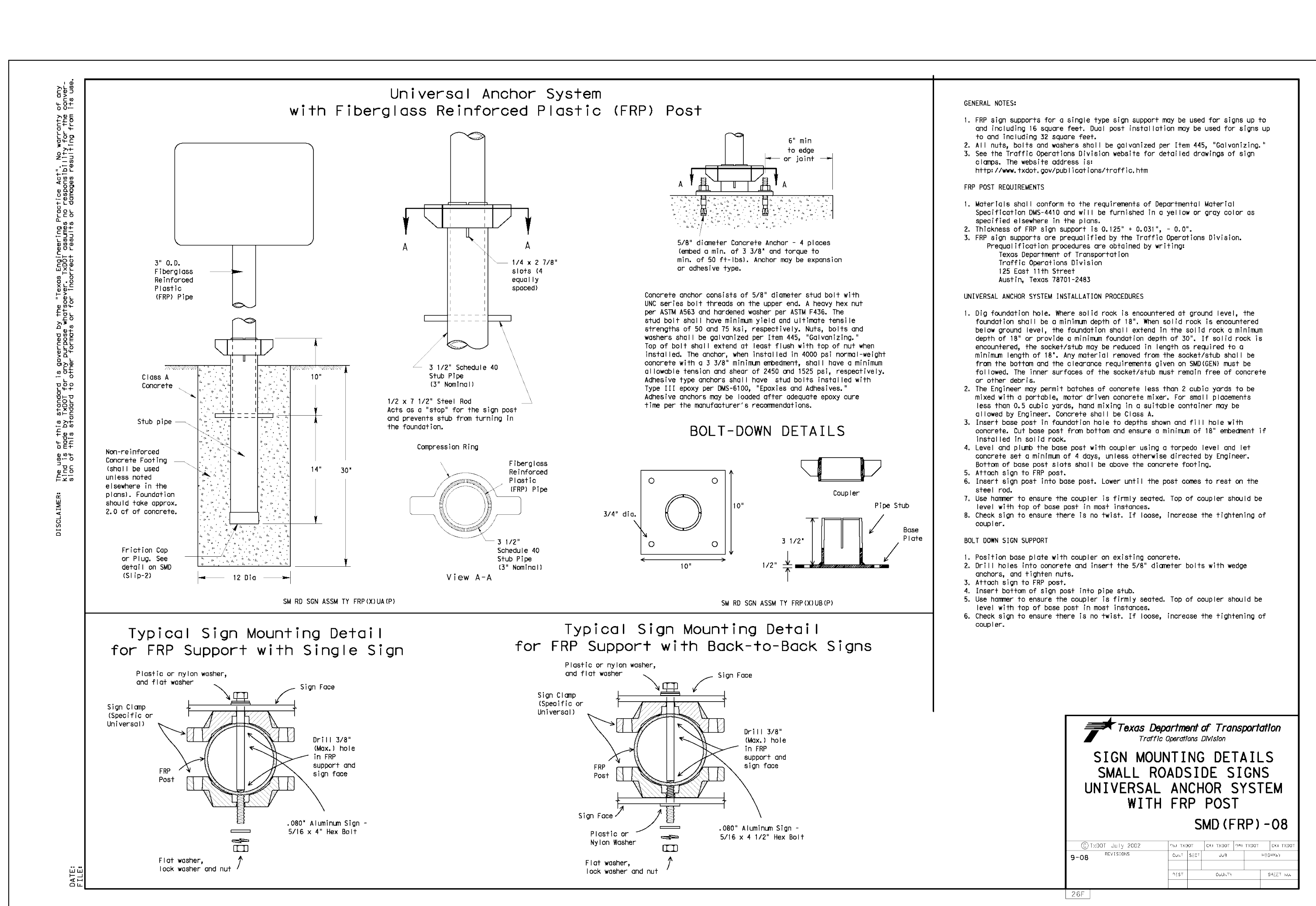
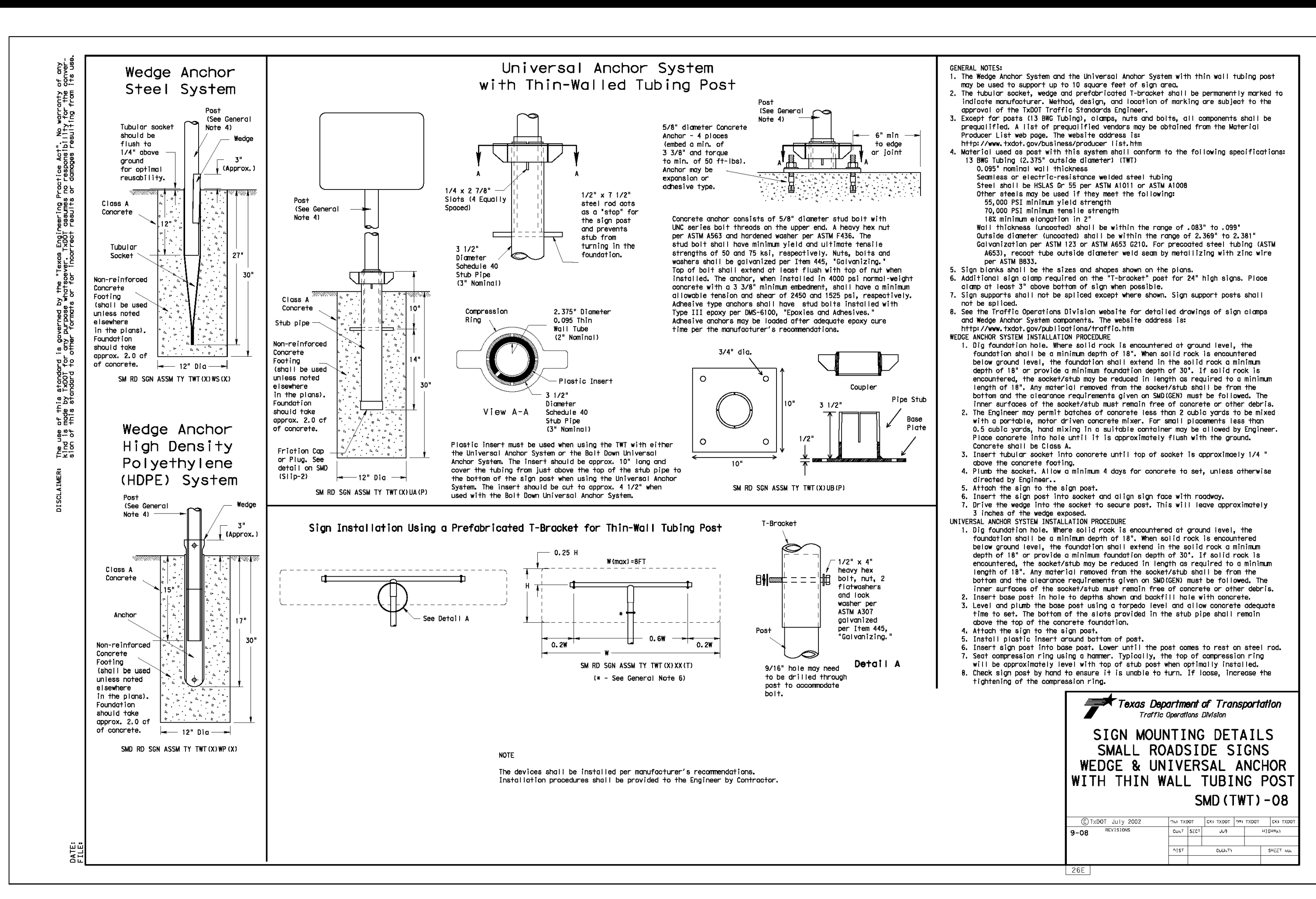
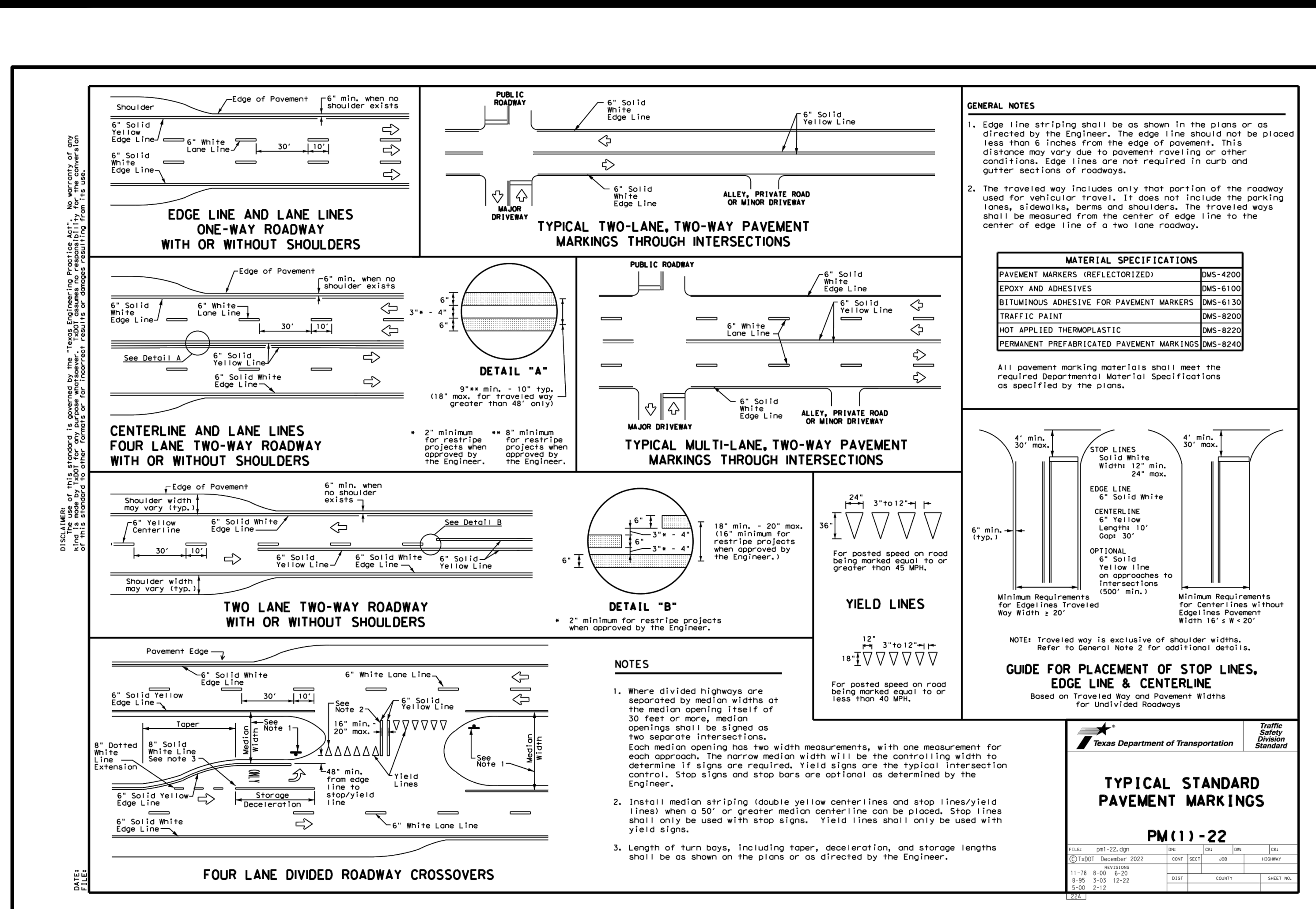
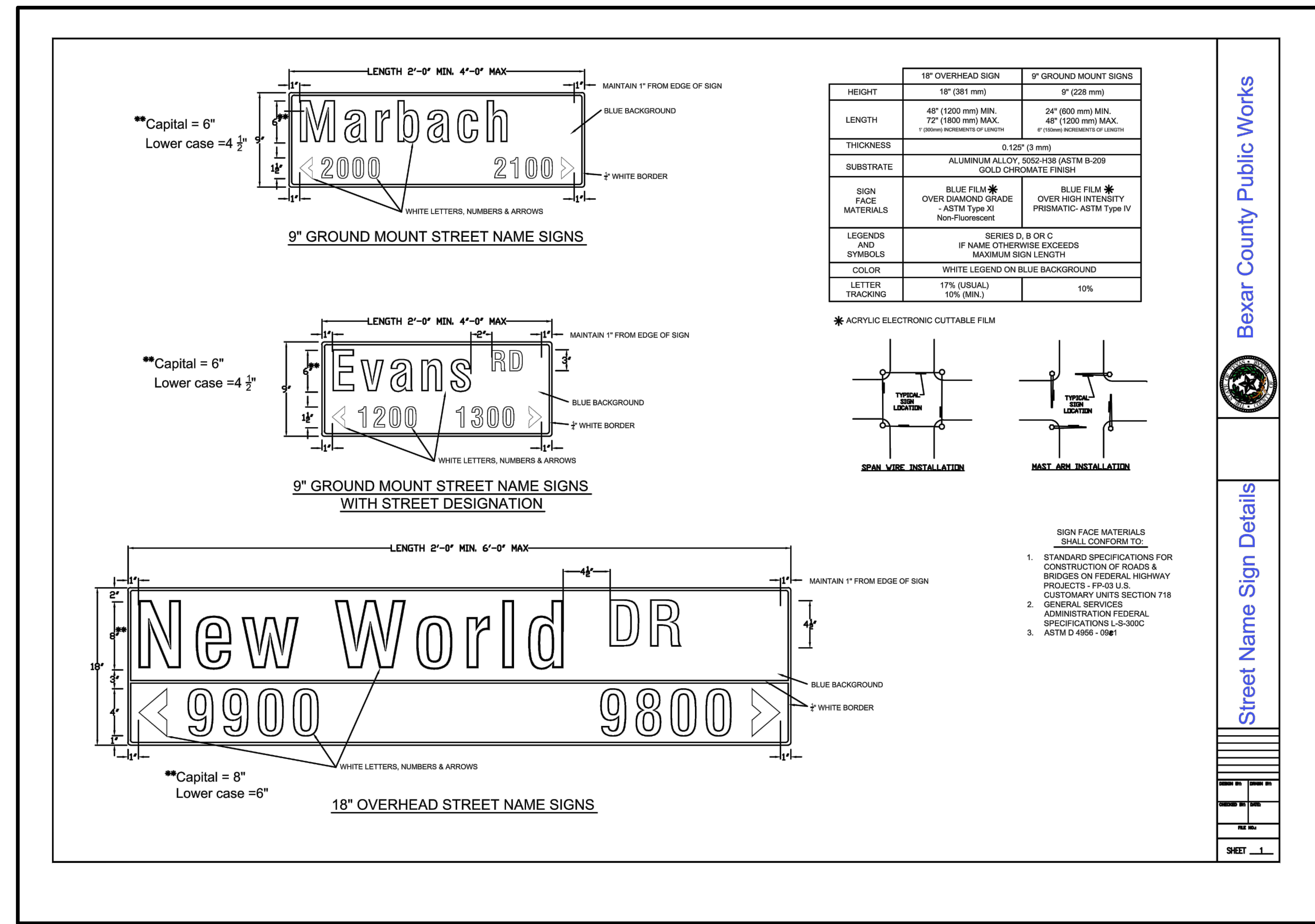
**TRENCH EXCAVATION SAFETY PROTECTION:**  
CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT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

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	KC
SHEET	C3.01

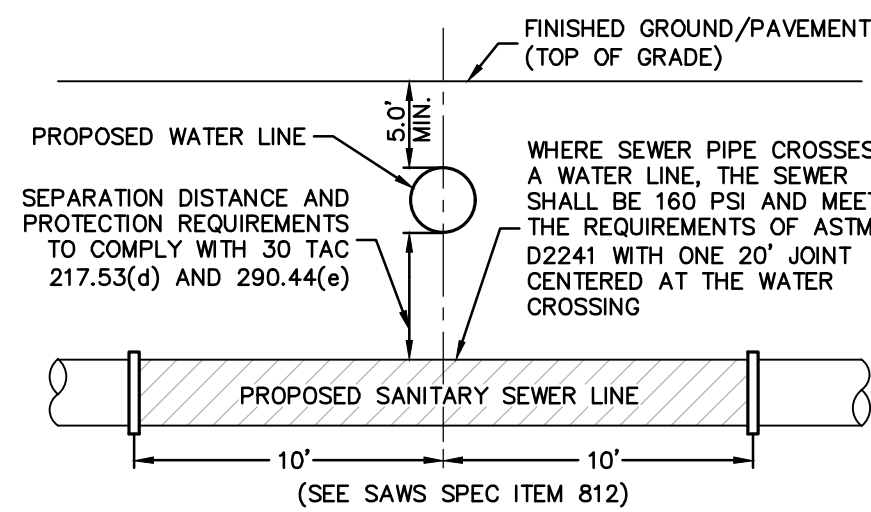






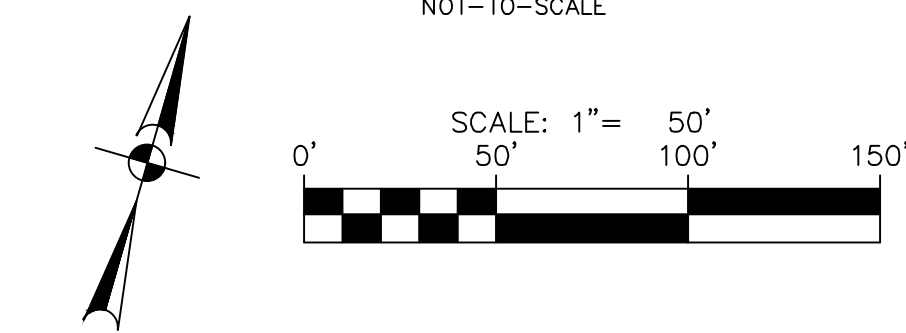






IN AN EFFORT TO MEET THE CITY OF SAN ANTONIO'S FIRE FLOW REQUIREMENTS FOR THE PROPOSED RESIDENTIAL DEVELOPMENT, THE PUBLIC WATER MAIN SYSTEM HAS BEEN DESIGNED FOR A MINIMUM FIRE FLOW DEMAND OF 1000 GPM AT 25 PSI RESIDUAL PRESSURE. THE FIRE FLOW REQUIREMENTS FOR INDIVIDUAL STRUCTURES WILL BE REVIEWED DURING THE BUILDING PERMIT PROCESS IN ACCORDANCE WITH THE PROCEDURES SET FORTH BY THE CITY OF SAN ANTONIO DIRECTOR OF DEVELOPMENT SERVICES DEPARTMENT AND THE SAN ANTONIO FIRE DEPARTMENT FIRE MARSHAL.

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

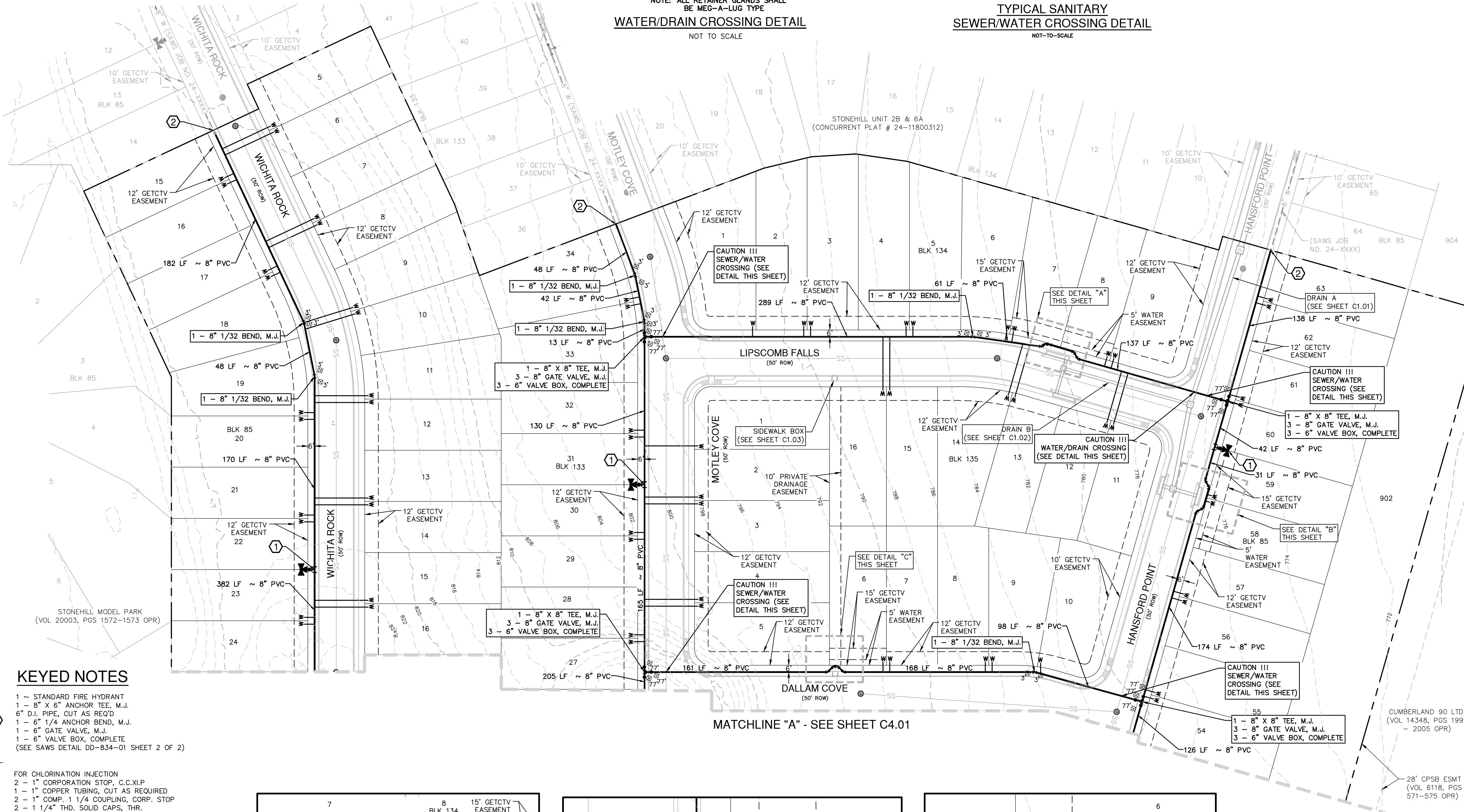


**PAPE-DAWSON  
ENGINEERS**

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

**STONEHILL UNITS 6B & 8**  
**SAN ANTONIO, TEXAS**

PLAT NO. 24-1180043  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER RG  
CHECKED \_\_\_\_\_ DRAWN KC  
SHEET C4.00



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

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

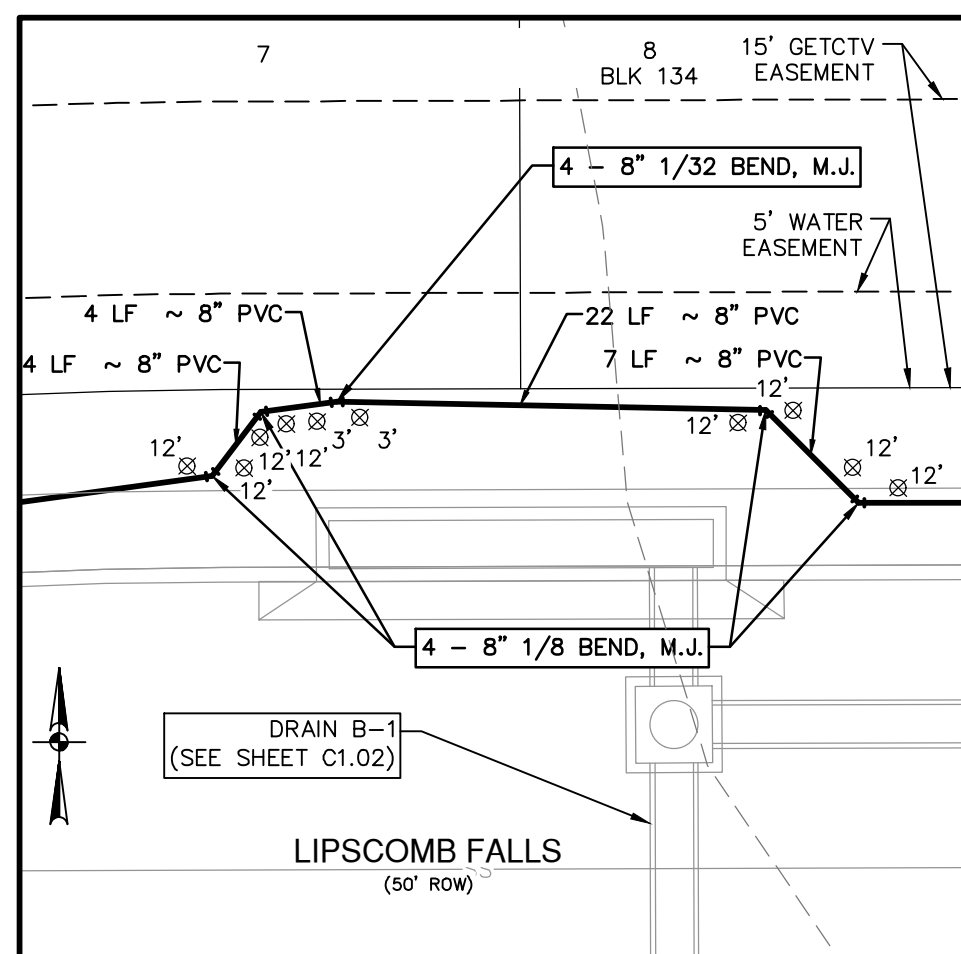
8" VALVE CONSTRUCTED WITH SAWS JOB NUMBER (24-1594) SHALL REMAIN CLOSED UNTIL NEW MAINS HAVE BEEN DISINFECTED BY CONTRACTOR AND ACCEPTED BY SAWS

CONTRACTOR SHALL TIE TO EXISTING 8" STUBOUT (SAWS JOB NO. 24-1594) AFTER DISINFECTION BY CONTRACTOR AND ACCEPTANCE BY SAWS

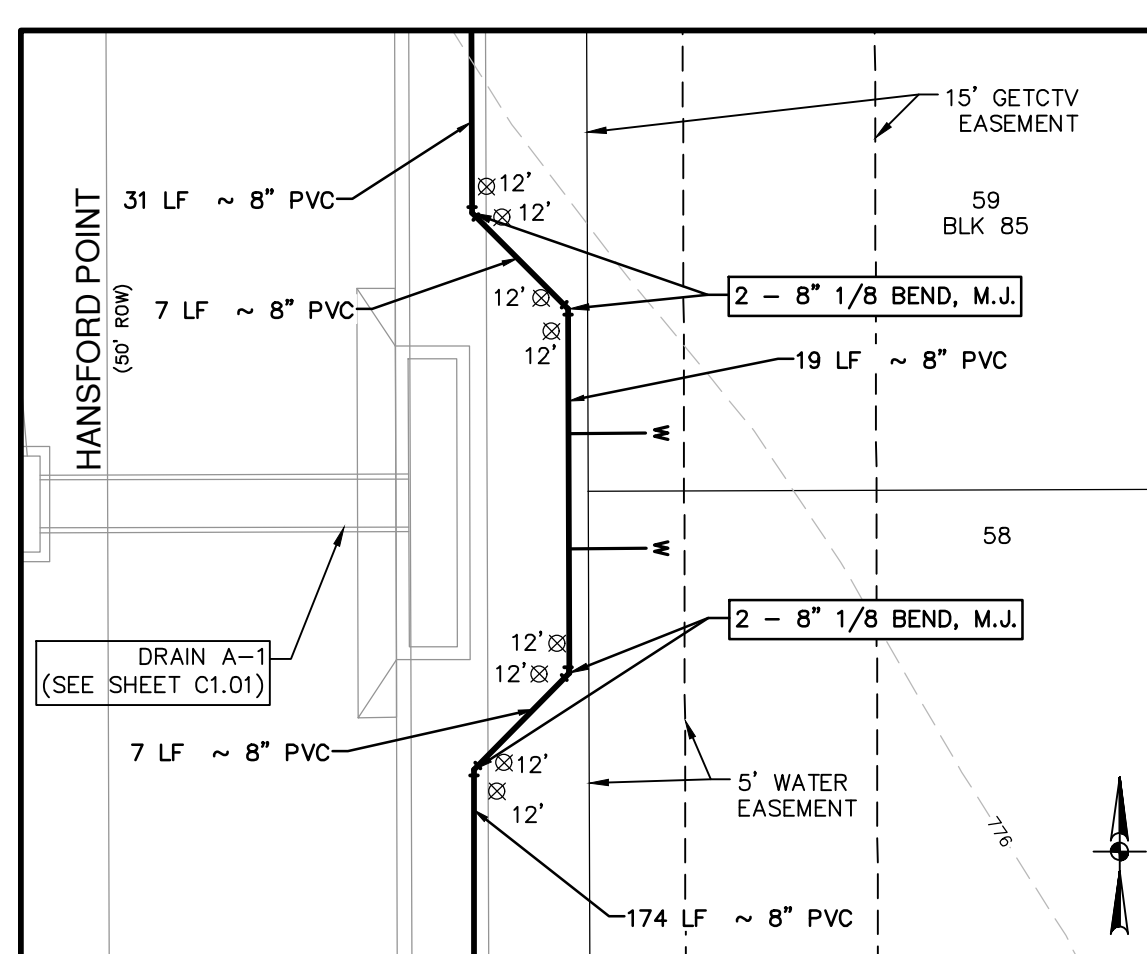
CONTRACTOR SHALL TIE TO EXISTING 8" STUBOUT  
(SAWS JOB NO. 24-1594) AFTER DISINFECTION BY  
CONTRACTOR AND ACCEPTANCE BY SAWS

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

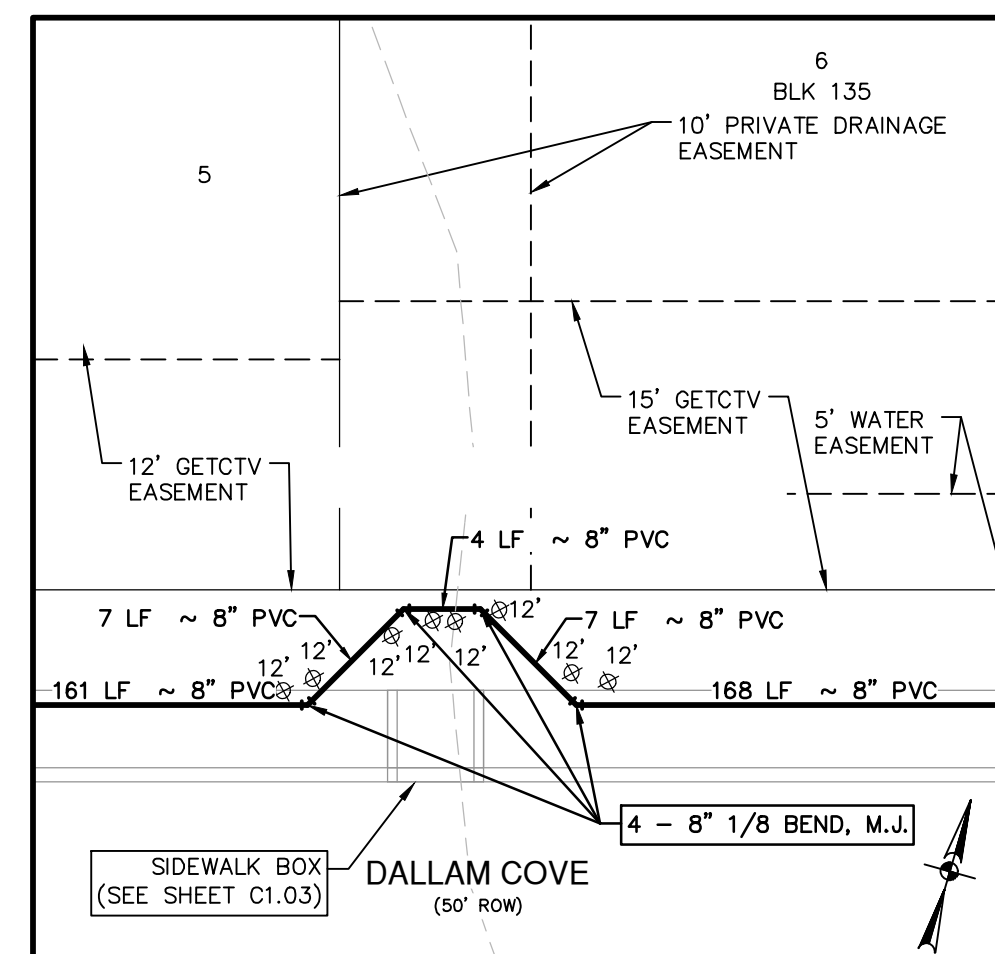
1 ~ STANDARD FIRE HYDRANT  
1 - 12" X 6" ANCHOR TEE, M.J.  
6" D.I. PIPE, CUT AS REQ'D  
1 - 6" 1/4 ANCHOR BEND, M.J.  
1 - 6" GATE VALVE, M.J.  
1 - 6" VALVE BOX, COMPLETE  
(SEE SAWS DETAIL DD-834-01 SHEET 2 OF 2)



**DETAIL "A"**  
SCALE: 1" = 10'



DETAIL "B"  
SCALE: 1" = 10'



**DETAIL "C"**  
SCALE: 1" = 10'

CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 745 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 745 FEET, THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED STATIC PRESSURE RECORDING DEVICE IN ACCORDANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOT(S) IF \*PRV IS/ARE REQUIRED FOR SUCH LOT(S), ONLY SINGLE SERVICE CONNECTIONS SHALL BE ALLOWED.

\*NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE (PRV).

### JOINT RESTRAINT NOTE:

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

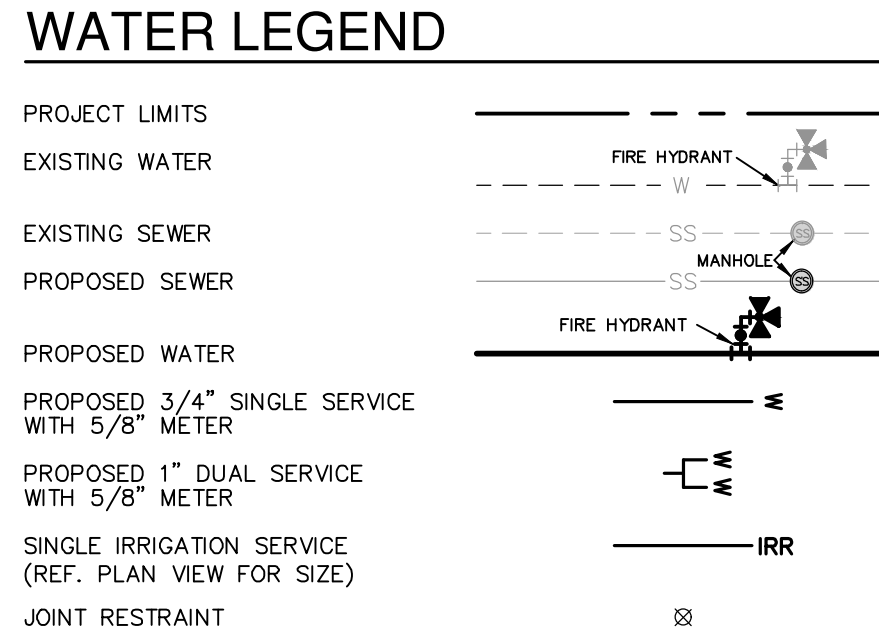
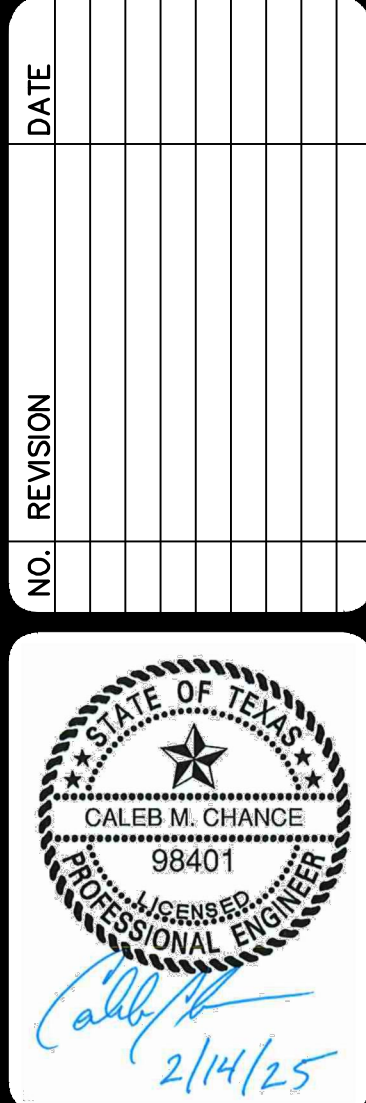
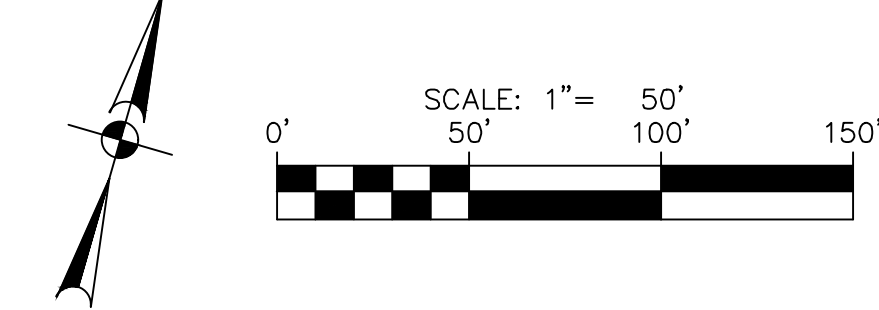
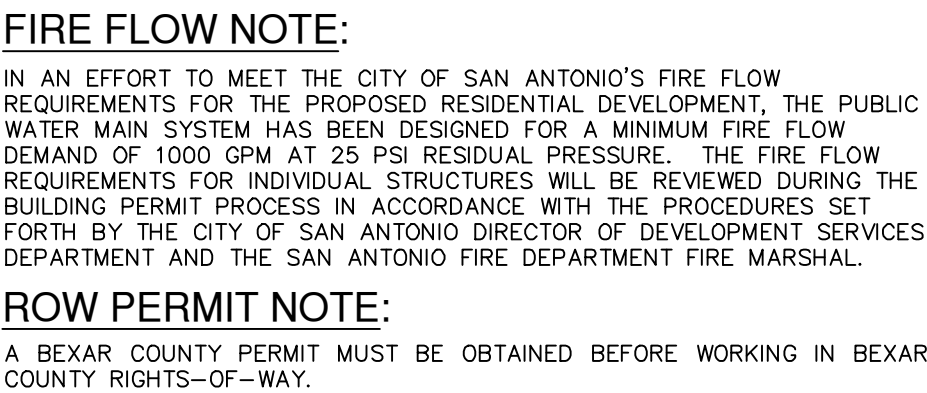
TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEES OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT. IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT AREA. WORK SHALL BE CONDUCTED IN ACCORDANCE WITH ALL TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS, AND DOCUMENTS AND 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 SYSTEMS, INCLUDING SHIELDING, STABILIZATION, AND PROTECTIVE SYSTEMS, SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEES OR SAFETY/EQUIPMENT CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM WHICH WILL BE ADEQUATE TO PROTECT ALL PERSONNEL AND ALL ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

WATER (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.  
ADDRESS: 5419 N LOOP 1604  
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218  
PHONE# (210) 496-2668 FAX# (210) 490-2668  
SAWS BLOCK MAP# 068558 TOTAL EDU'S 112 TOTAL ACREAGE 21.9  
TOTAL LINEAR FOOTAGE OF PIPE: 87-3753' PLAT NO. 24-11800437  
NUMBER OF LOTS 112 SAWS JOB NO. 24-1177





## KEYED NOTES

<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">1</div>	<ul style="list-style-type: none"><li>1 ~ STANDARD FIRE HYDRANT</li><li>1 - 8" x 6" ANCHOR TEE, M.J.</li><li>6" D.I. PIPE, CUT AS REQ'D</li><li>1 - 6" 1/4 ANCHOR BEND, M.J.</li><li>1 - 6" GATE VALVE, M.J.</li><li>1 - 6" VALVE BOX, COMPLETE</li></ul> <p style="text-align: center;">(SEE SAWS DETAIL DD-B34-01 SHEET 2 OF 2)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">3</div>	<ul style="list-style-type: none"><li>1 ~ STANDARD FIRE HYDRANT</li><li>1 - 12" x 6" ANCHOR TEE, M.J.</li><li>6" D.I. PIPE, CUT AS REQ'D</li><li>1 - 6" 1/4 ANCHOR BEND, M.J.</li><li>1 - 6" GATE VALVE, M.J.</li><li>1 - 6" VALVE BOX, COMPLETE</li></ul> <p style="text-align: center;">(SEE SAWS DETAIL DD-B34-01 SHEET 2 OF 2)</p>

**PRESSURE NOTE:**

CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BE-  
GROUND ELEVATION OF 745 FEET WHERE THE STATIC PRESSURE  
NORMALLY EXCEEDS 80 PSIG. AT ALL SUCH LOCATIONS WHERE THE GROUND  
ELEVATION IS 745 FEET OR LOWER, THE CONTRACTOR SHALL INSTALL  
AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPRO-  
PRIATE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CO-  
DE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR  
LOT(S) THAT REQUIRE SUCH LOT(S). ONLY SH-  
SERVICE CONNECTIONS SHALL BE ALLOWED.  
\*NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESS-  
REDUCING VALVE (PRV).

**JOINT RESTRAINT NOTE:**

CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS  
JOINT RESTRAINING HARNESSSES OR FIELD LOCK GASKETS AT  
JOINTS. THE LENGTH SHALL BE A MINIMUM OF 5 FT. WITH  
BENDS, SHALL HAVE A MINIMUM OF 5 FT. WITH  
JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RET-  
GLANDS SHALL BE CALCULATED BY SAWS APPROVED PROGRAMS.  
THE JOINT RESTRAINTS AND RETAINER GLANDS AND OTHER  
RESTRAINING HARNESSSES AND GASKETS, SHALL BE SUBSIDIARY TO  
UNIT COST PER LINEAL FOOT OF PIPE INSTALLED.

**TRENCH EXCAVATION SAFETY PROTECTION**

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYER OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION TO DETERMINE ANY ADJACENT EXISTING TRENCHES OR EXCAVATIONS IN THE WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND PROCEDURES SHALL PROTECT ALL PERSONNEL FROM ADJACENT EXCAVATION SAFETY PROTECTION THAT COMPLY WITH THE MINIMUM STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYER OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM THAT INCLUDES THE FOLLOWING: (1) TRAINING FOR ALL PERSONNEL ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS; (2) TRENCH EXCAVATION SAFETY PROTECTION FOR ALL TRENCH EXCAVATIONS IN THE WORK AREA (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.  
ADDRESS: 5419 N LOOP 1604  
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218  
PHONE# (210) 496-2668 FAX# (210) 490-2668  
068558  
SAWS BLOCK MAP# 088560 TOTAL EDU'S 112 TOTAL ACREAGE 21  
TOTAL LINEAR FOOTAGE OF PIPE: 8'-3753' PLAT NO. 24-1180043  
NUMBER OF LOTS 112 SAWS JOB NO. 24-1177

**PAPE-DAWSON  
ENGINEERS**

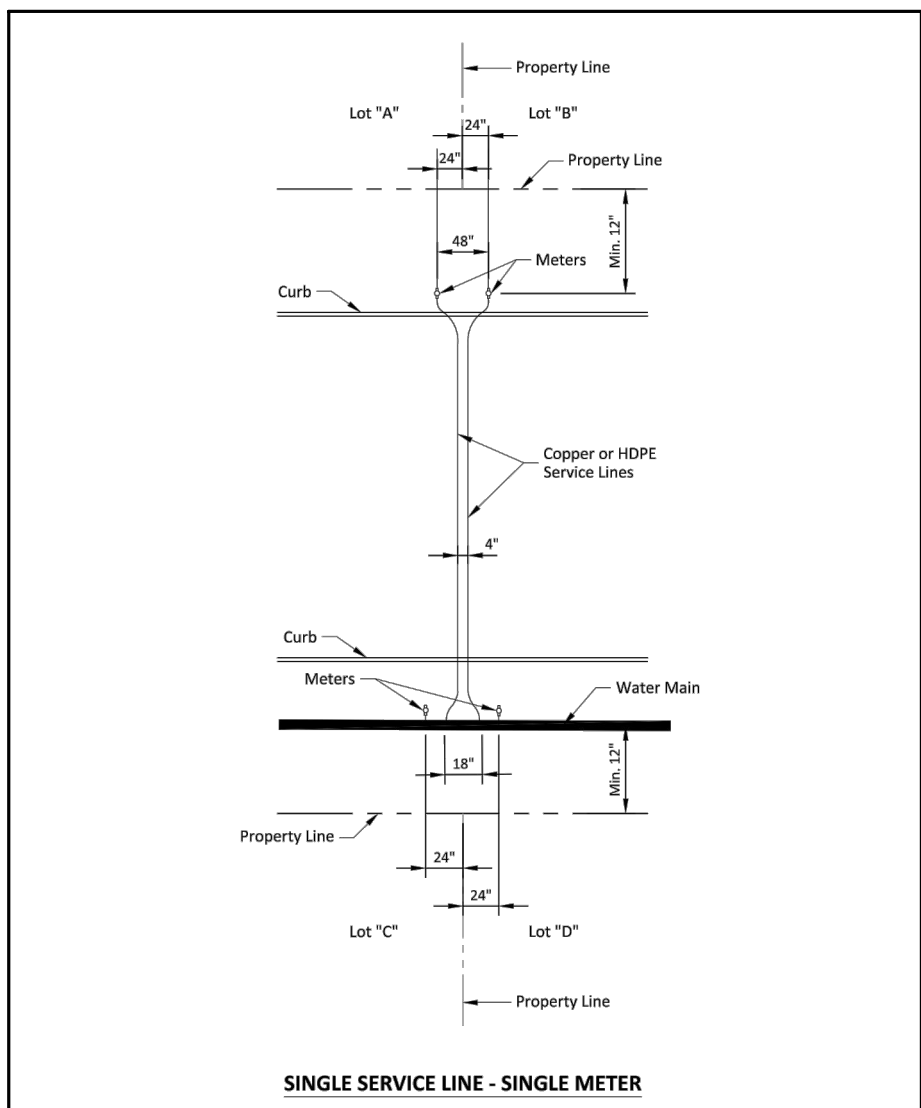
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.5000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10298800

**STONEHILL UNITS 6B & 8**  
**SAN ANTONIO, TEXAS**

PLAT NO. 24-11800437  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER RG  
CHECKED \_\_\_\_\_ DRAWN KC  
SHEET C4.01

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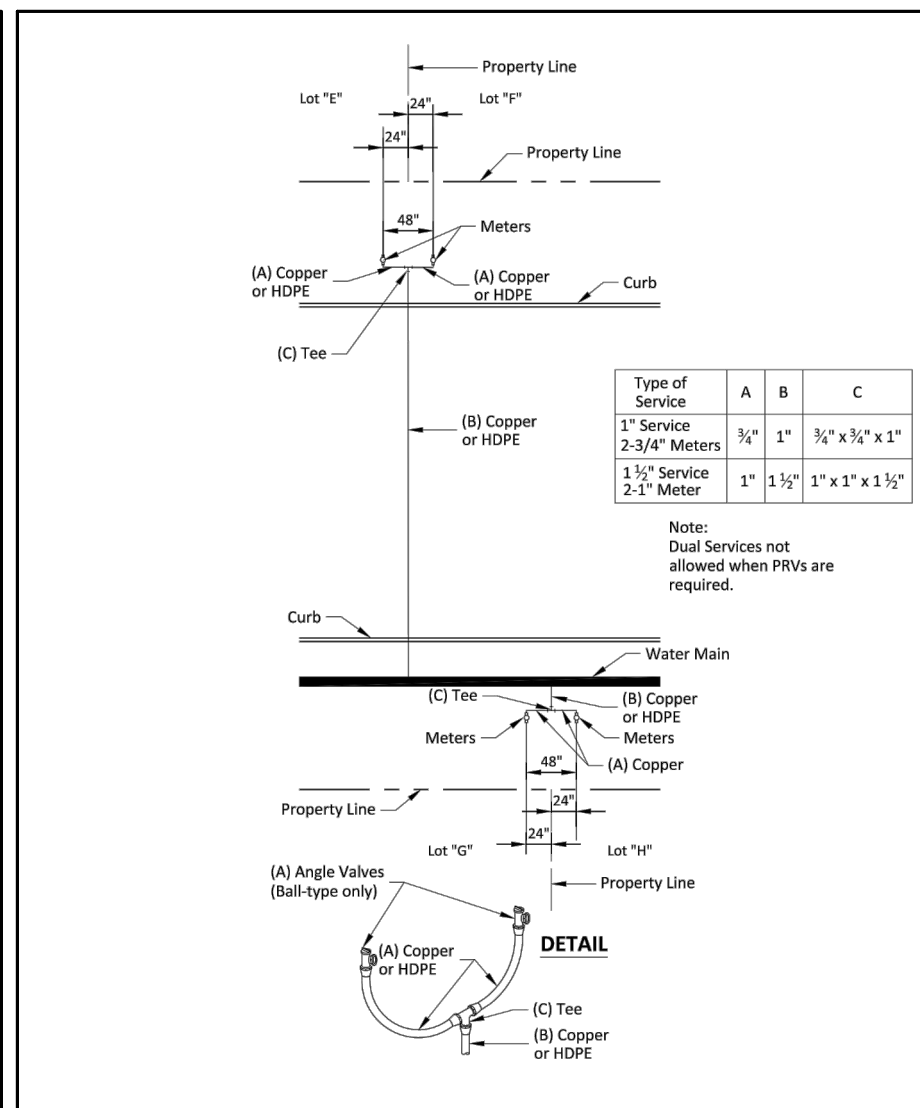


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

TYPICAL  
NEW DEVELOPMENT  
SERVICE ARRANGEMENT

APPROVED  
MARCH 2008  
DD-824-05

REVISED  
DECEMBER 2019  
SHEET  
1 OF 3

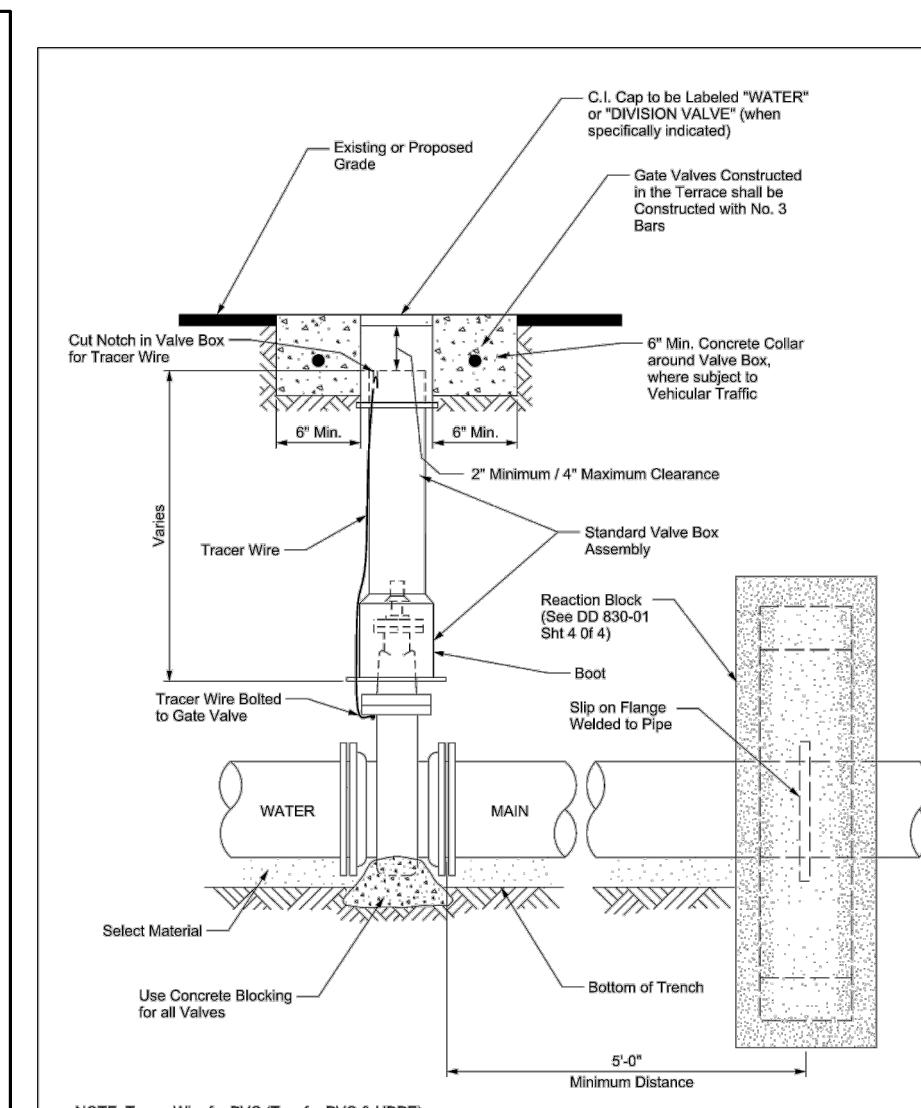


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

TYPICAL  
SERVICE ARRANGEMENT

APPROVED  
MARCH 2008  
DD-824-05

REVISED  
DECEMBER 2019  
SHEET  
1 OF 3

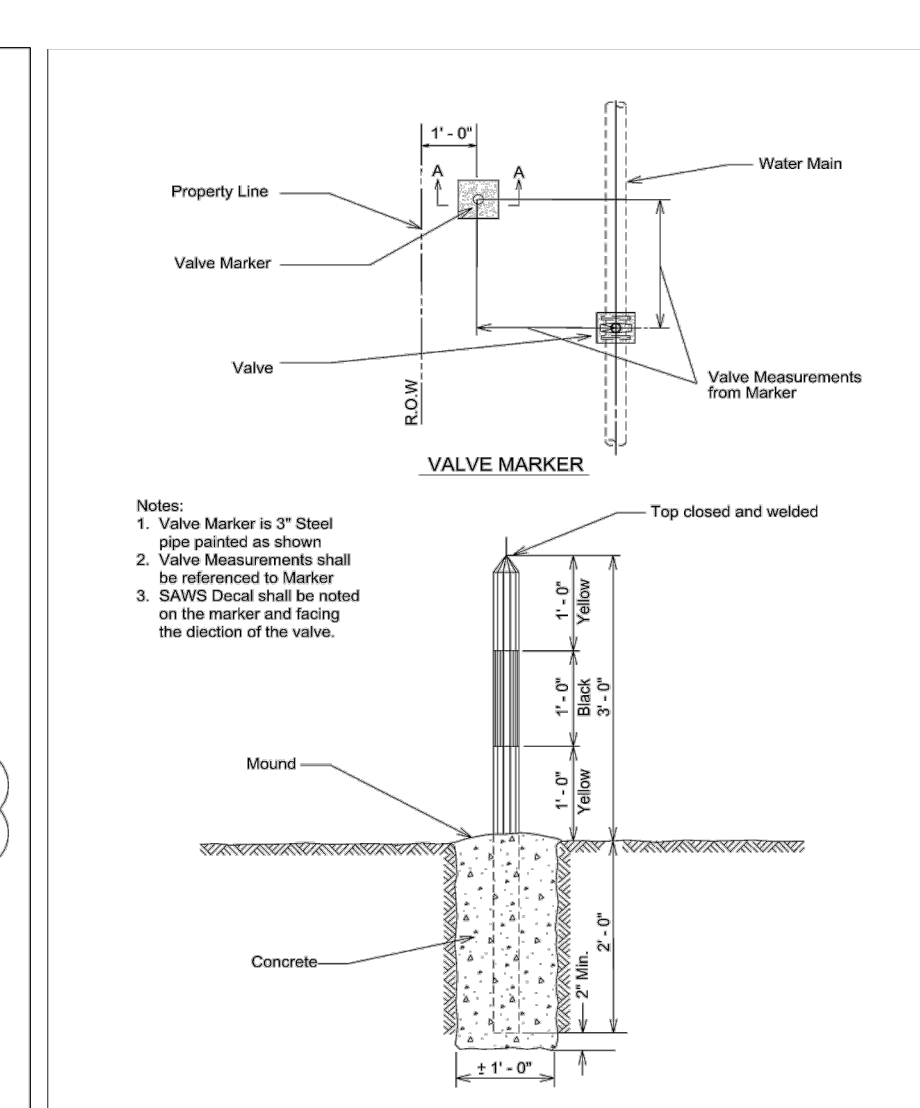


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

INSTALLATION OF NON-GEARED  
GATE VALVE WITH VALVE BOX  
AND EXTENSION

APPROVED  
MARCH 2008  
DD-828-01

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

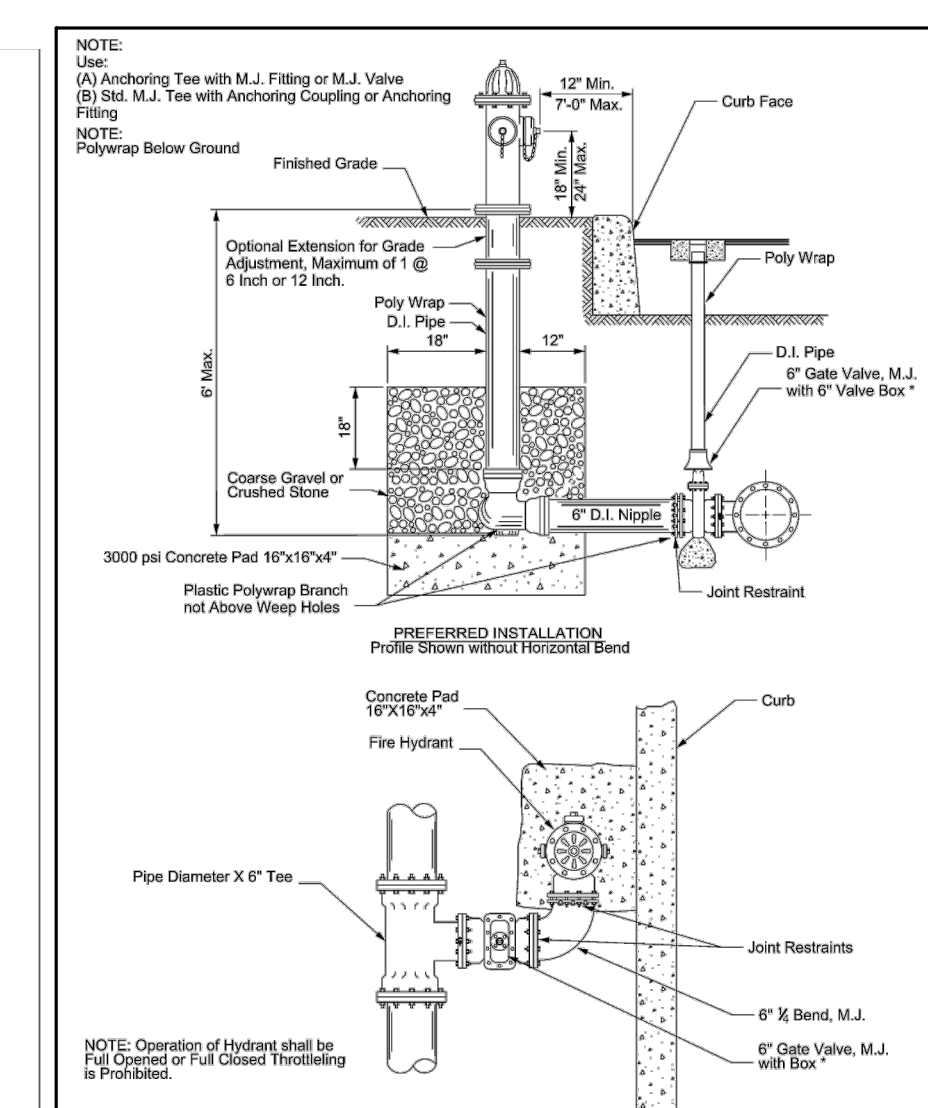


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

VALVE MARKER

APPROVED  
MARCH 2008  
DD-828-04

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

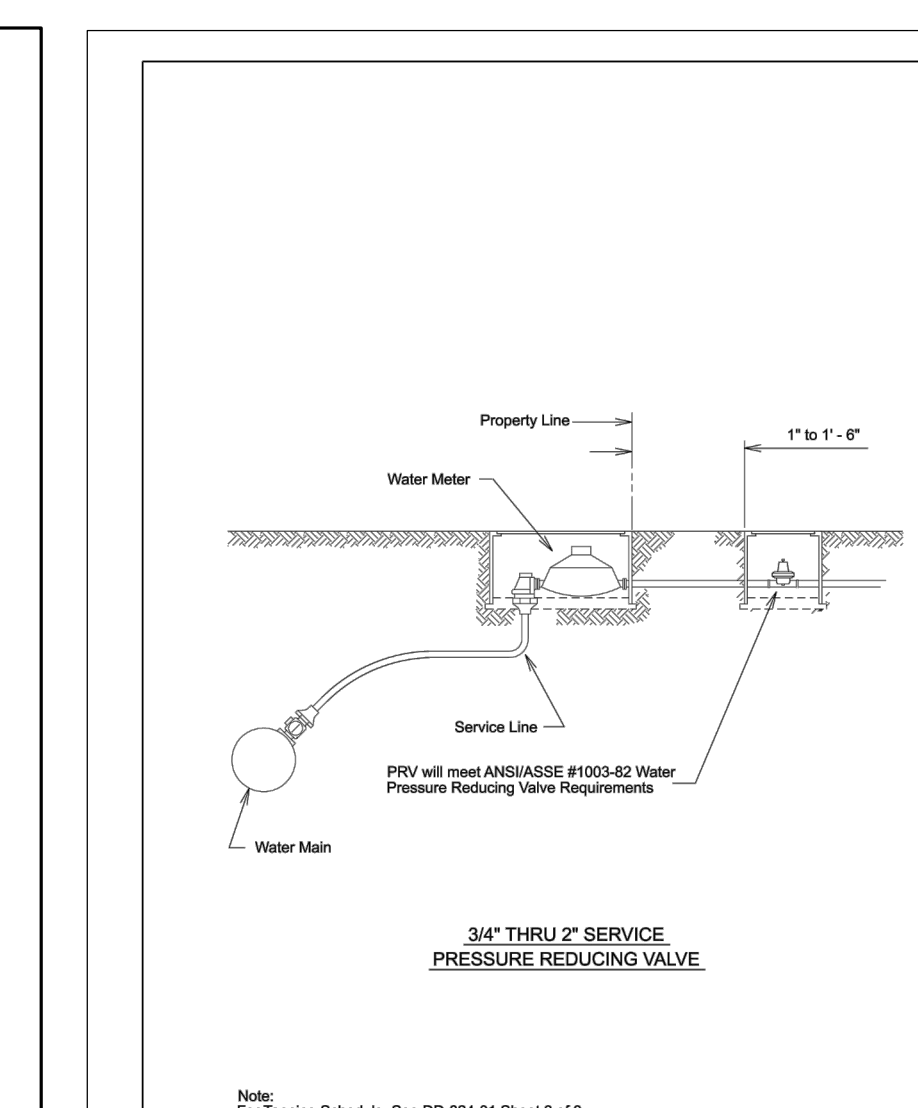


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

FIRE HYDRANT  
INSTALLATION  
(JOINT RESTRAINT)

APPROVED  
MAY 2013  
DD-834-01

REVISED  
AUGUST 2019  
SHEET  
1 OF 3

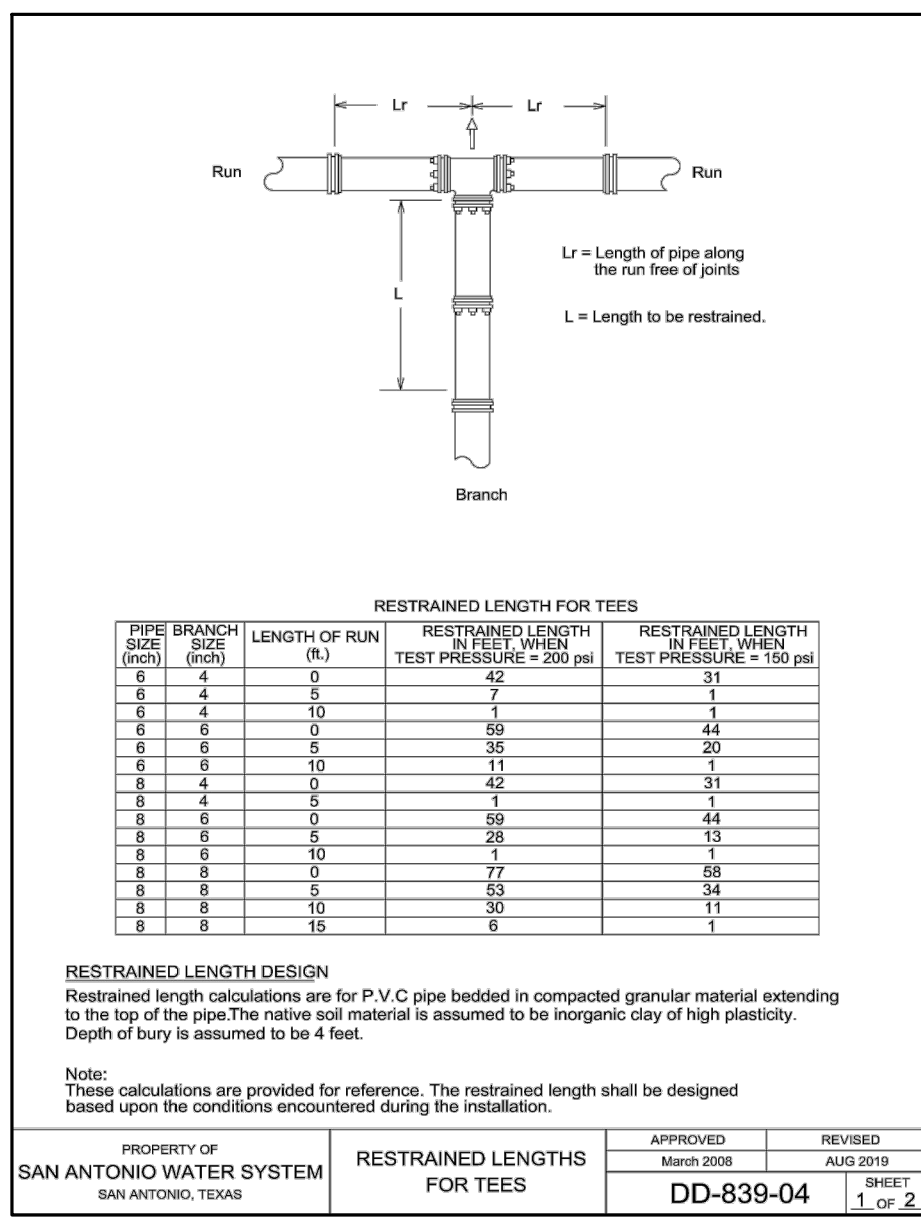


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

SERVICE INSTALLATION  
WITH PRESSURE-REDUCING VALVE

APPROVED  
MARCH 2008  
DD-833-03

REVISED  
APRIL 2014  
SHEET  
1 OF 3

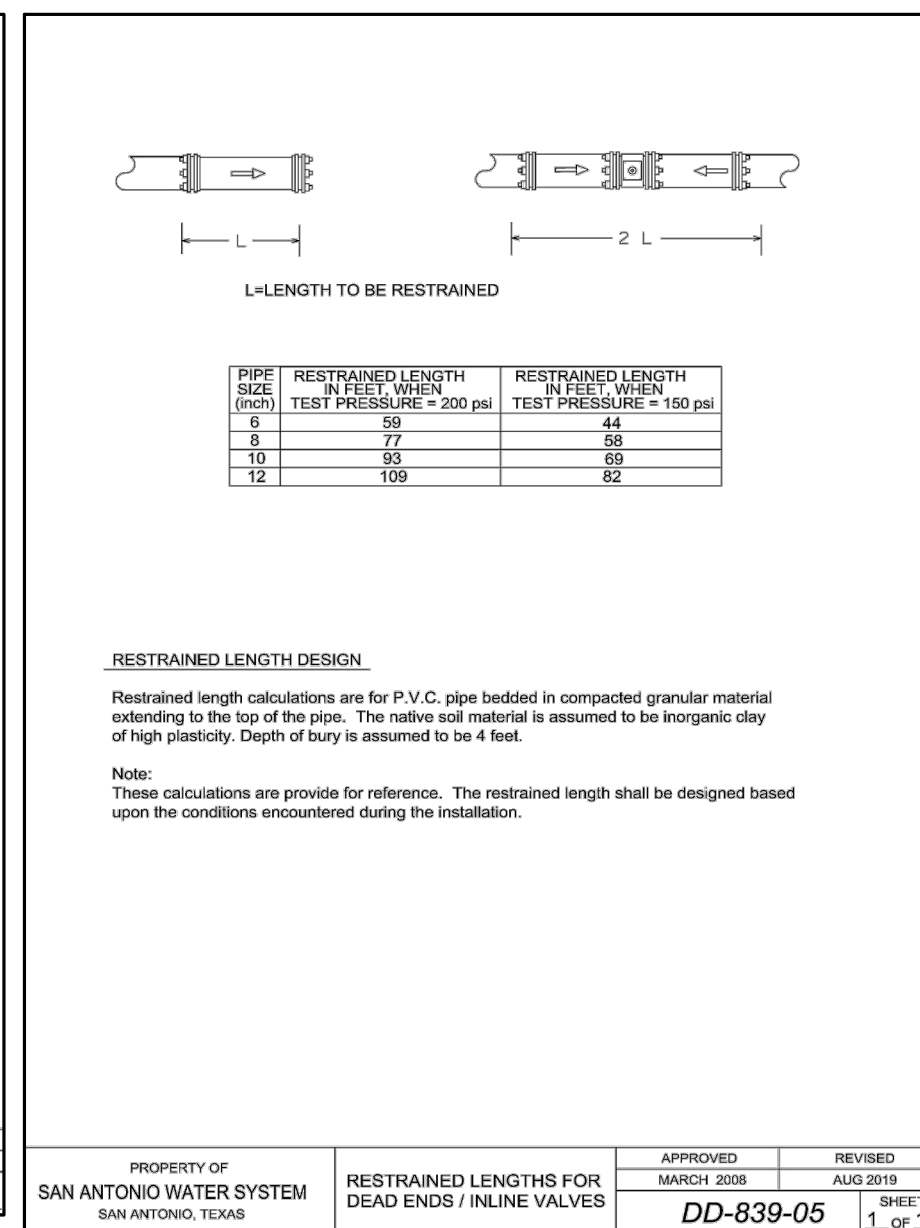


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

RESTRAINED LENGTHS  
FOR TEES

APPROVED  
MARCH 2008  
DD-839-04

REVISED  
AUGUST 2019  
SHEET  
1 OF 2

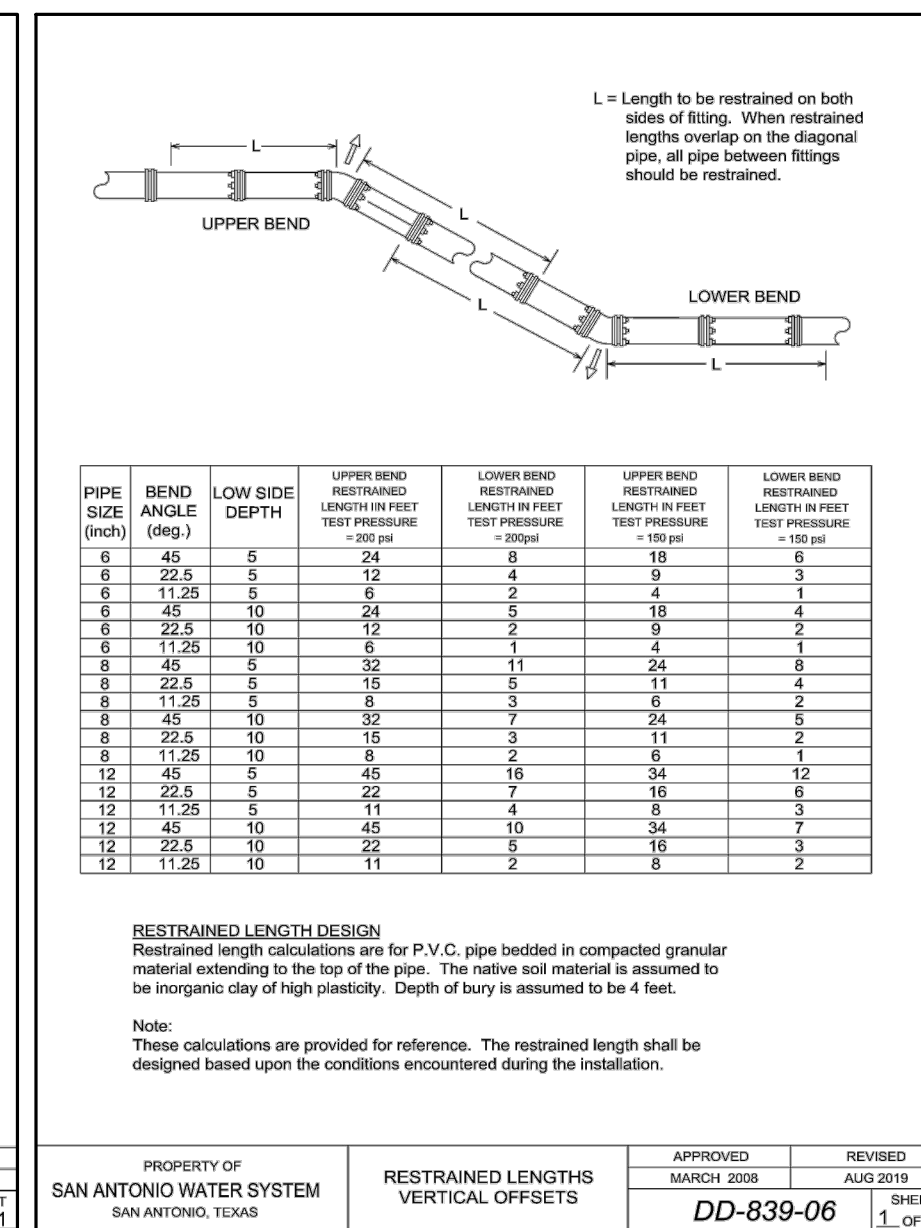


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

RESTRAINED LENGTHS FOR  
DEAD ENDS / INLINE VALVES

APPROVED  
MARCH 2008  
DD-839-05

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

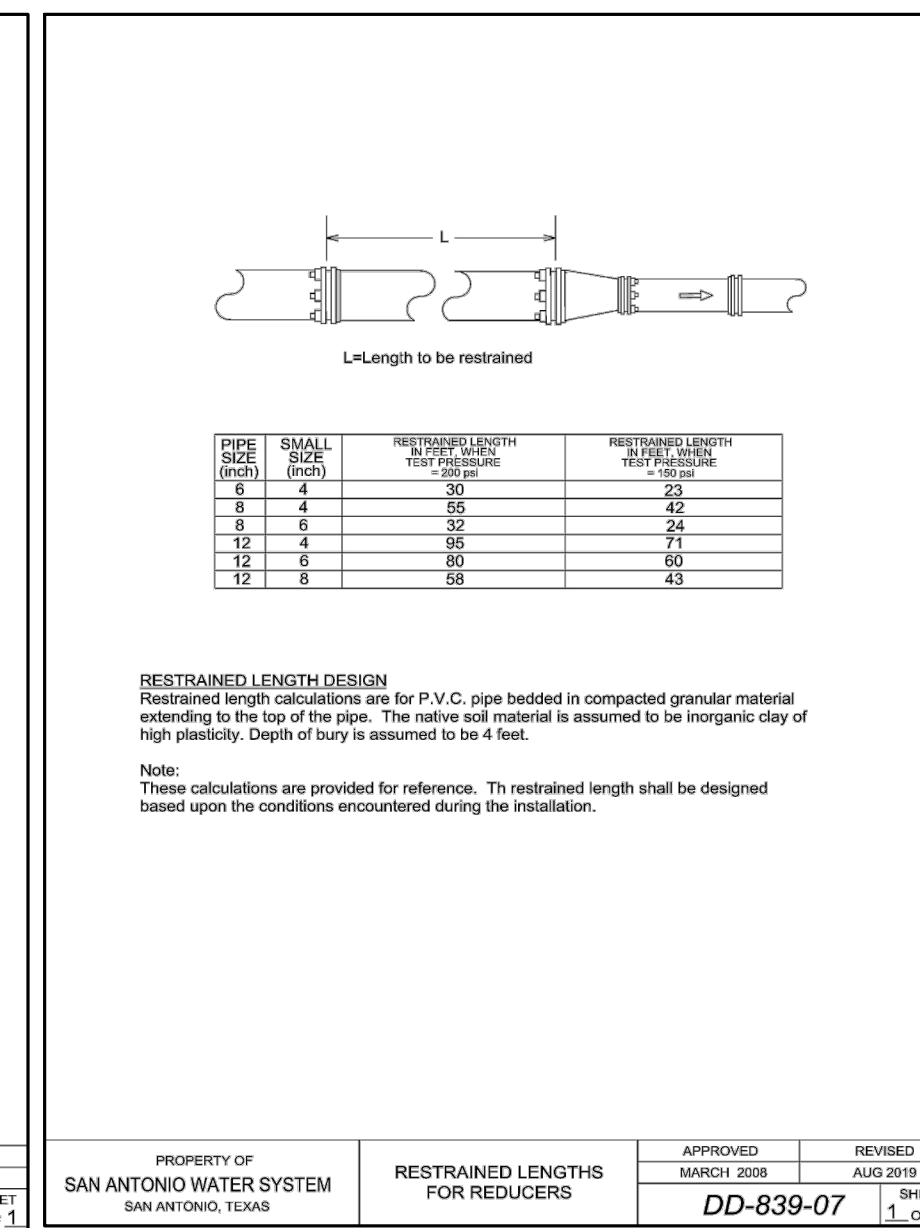


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

RESTRAINED LENGTHS  
FOR VERTICAL OFFSETS

APPROVED  
MARCH 2008  
DD-839-06

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

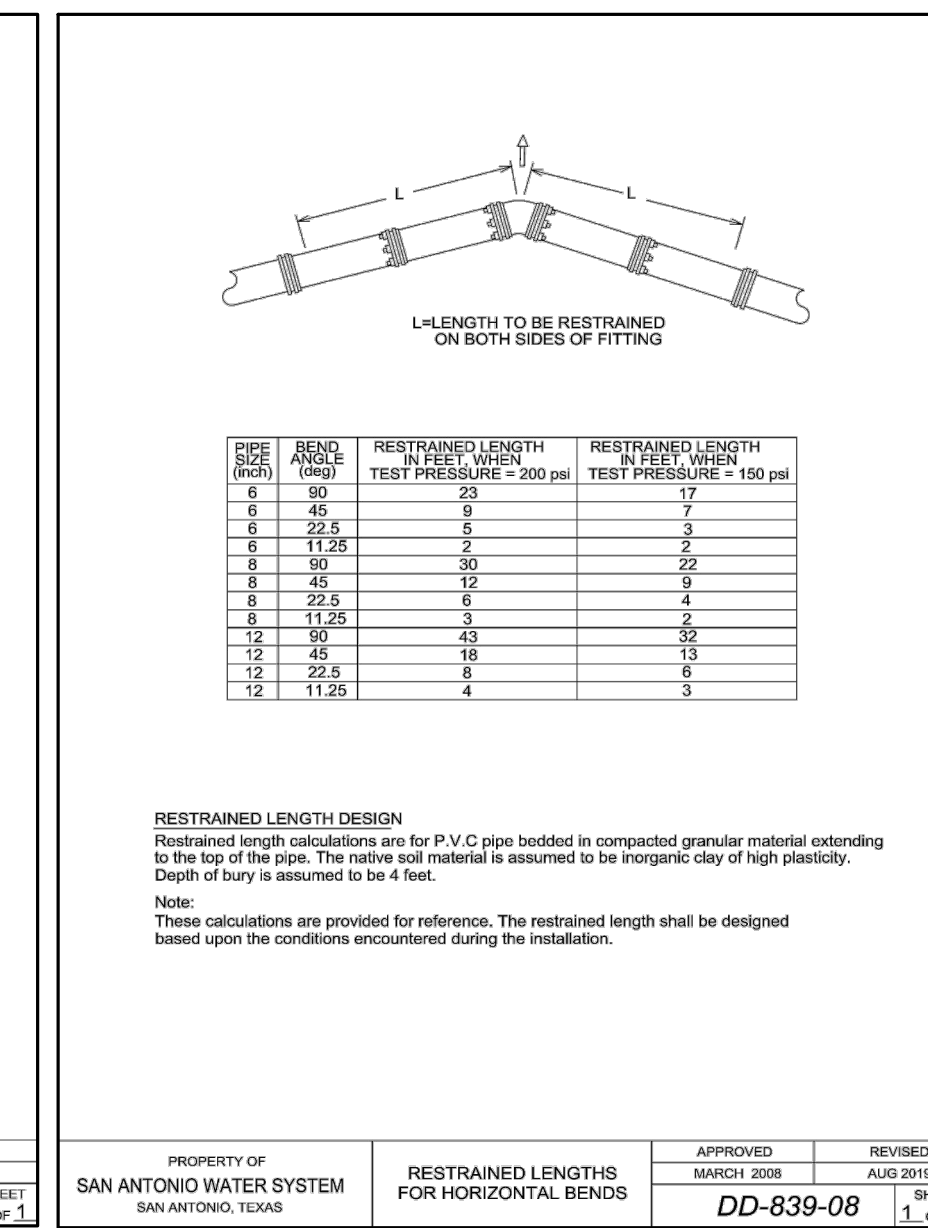


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

RESTRAINED LENGTHS  
FOR REDUCERS

APPROVED  
MARCH 2008  
DD-839-07

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

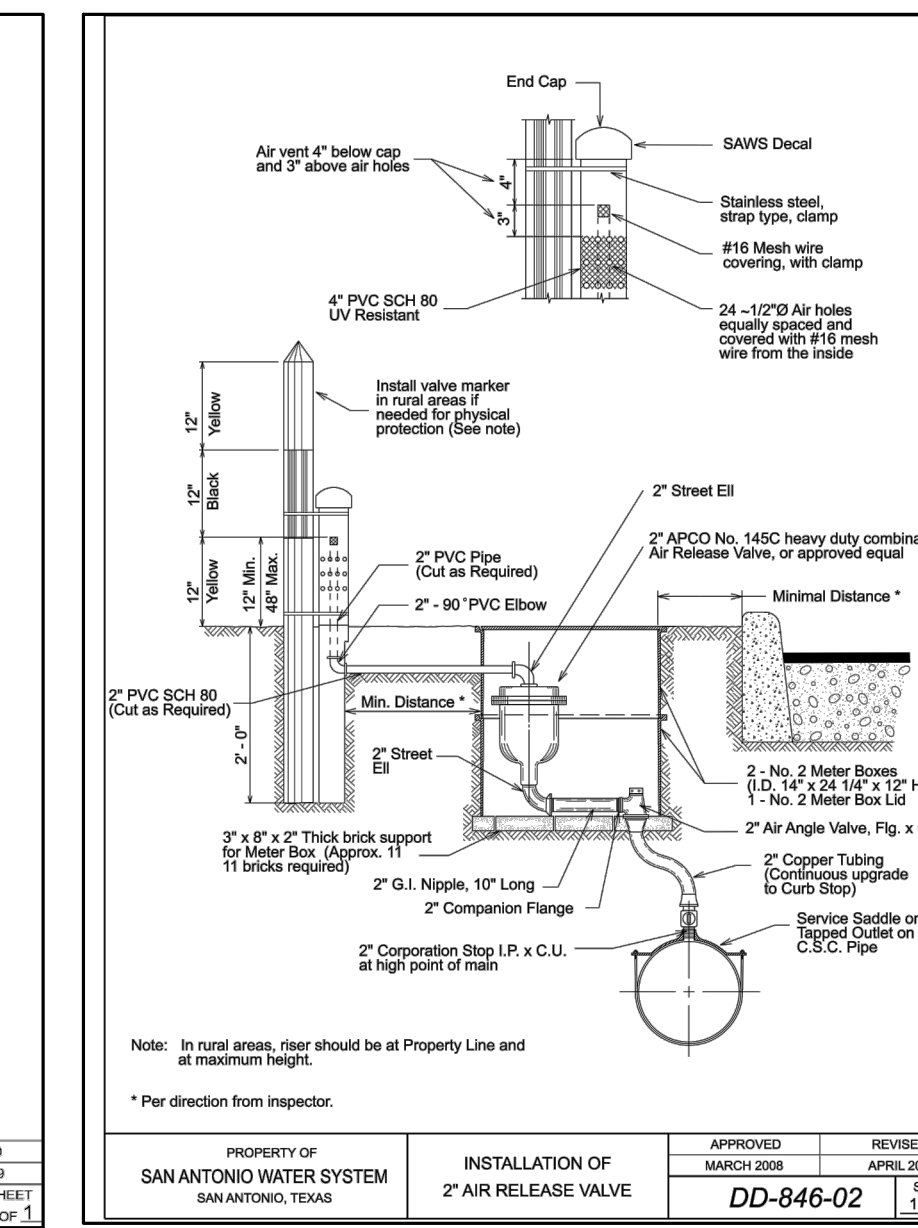


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

RESTRAINED LENGTHS  
FOR HORIZONTAL BENDS

APPROVED  
MARCH 2008  
DD-839-08

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

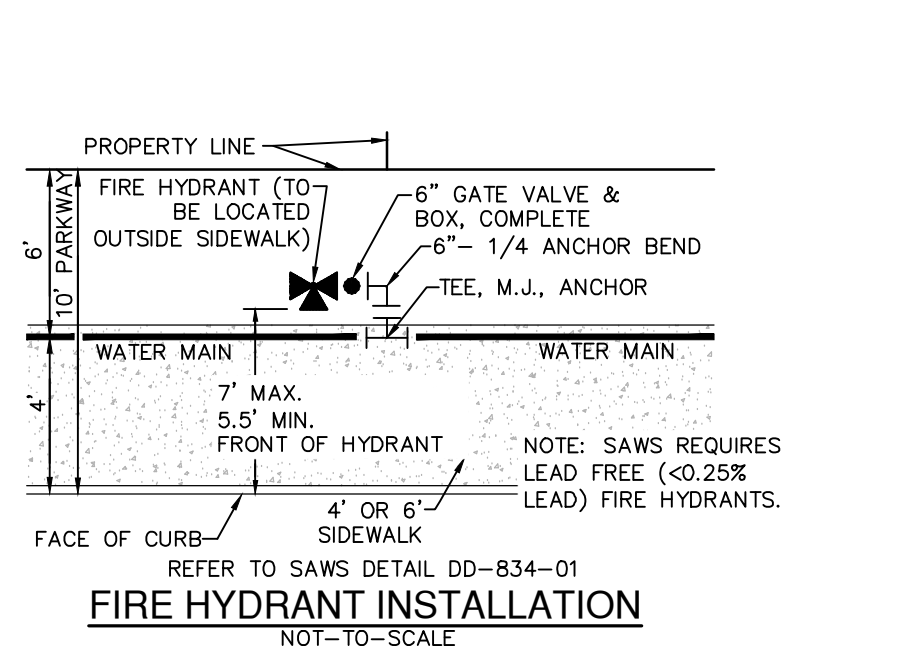


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

INSTALLATION OF  
2" AIR RELEASE VALVE

APPROVED  
MARCH 2008  
DD-846-02

REVISED  
APRIL 2014  
SHEET  
1 OF 1

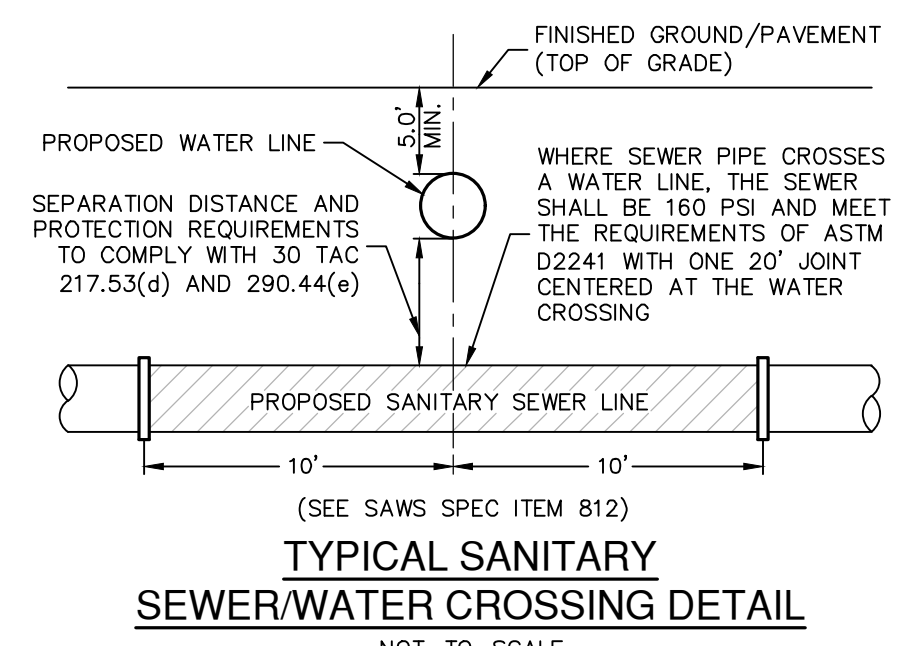


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

FIRE HYDRANT INSTALLATION

APPROVED  
MARCH 2008  
DD-834-01

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

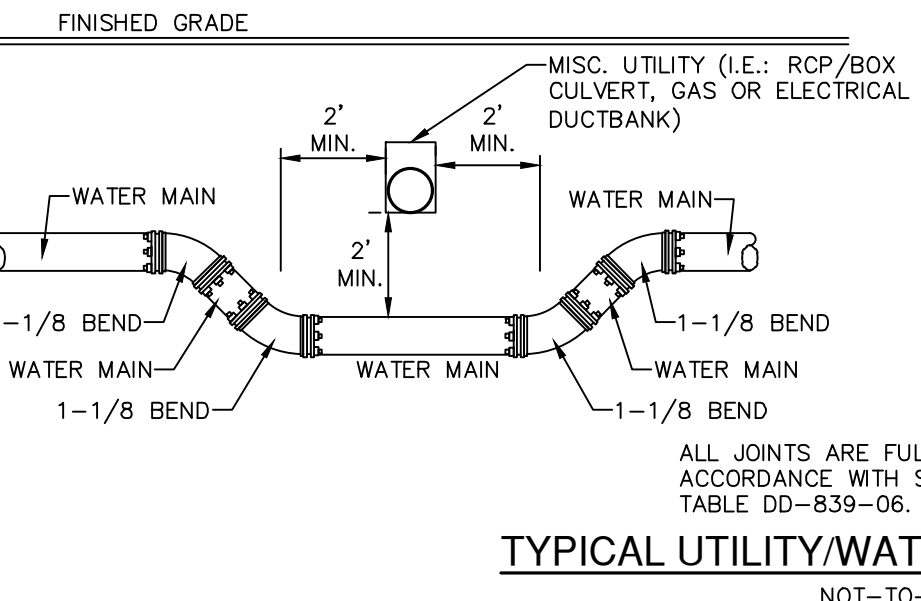


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

TYPICAL SANITARY  
SEWER/WATER CROSSING DETAIL

APPROVED  
MARCH 2008  
DD-839-05

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

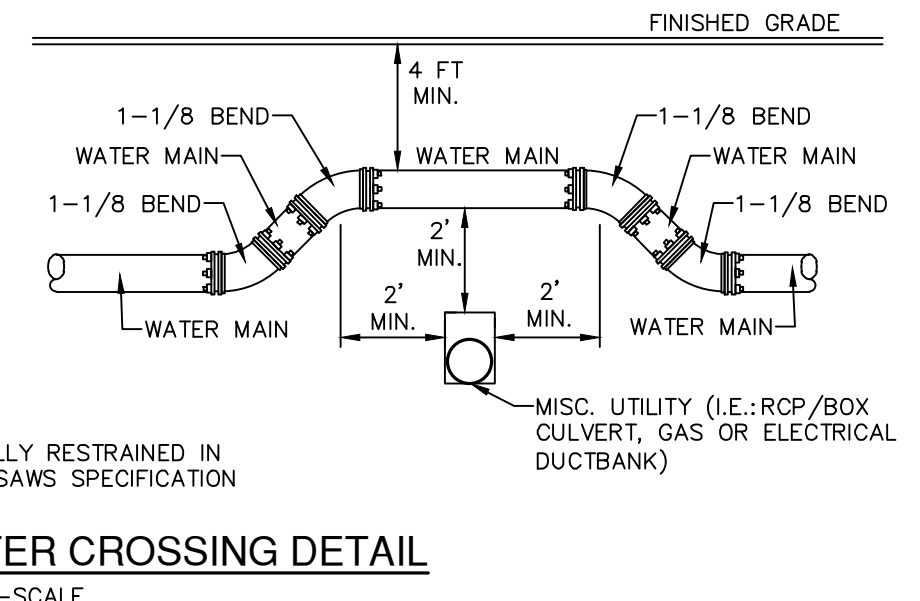


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

TYPICAL UTILITY/WATER CROSSING DETAIL

APPROVED  
MARCH 2008  
DD-839-06

REVISED  
AUGUST 2019  
SHEET  
1 OF 1

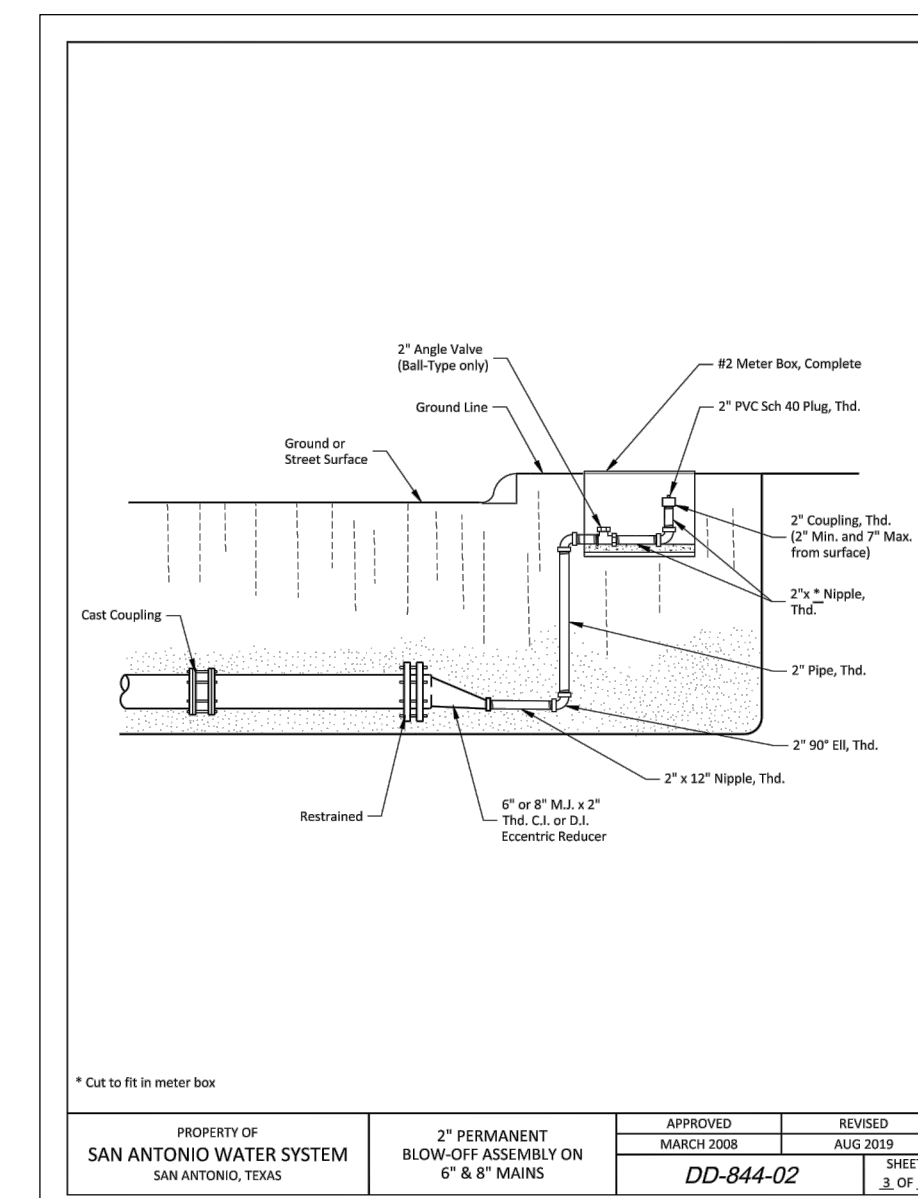


PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

TYPICAL UTILITY/WATER CROSSING DETAIL

APPROVED  
MARCH 2008  
DD-839-06

REVISED  
AUGUST 2019  
SHEET  
1 OF 1



PROPERTY OF  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

WATER DISTRIBUTION PLAN DETAILS

APPROVED  
MARCH 2008  
DD-844-02

REVISED  
AUGUST 2019  
SHEET  
1 OF 3

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.

ADDRESS: 5419 N LOOP 1604

CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218

PHONE# (210) 496-2668 FAX# (210) 490-2668

SAWS BLOCK MAP# 068556 TOTAL EDU'S 112 TOTAL ACREAGE 21.9

TOTAL LINEAR FOOTAGE OF PIPE: 8"-3753' PLAT NO. 24-11800437

NUMBER OF LOTS 112 SAWS JOB NO. 24-1177

STONEHILL UNITS 6B & 8  
SAN ANTONIO, TEXAS

WATER DISTRIBUTION PLAN DETAILS

PLAT NO. 24-11800437

JOB NO. 12456-14

DATE NOVEMBER 2024

DESIGNER RG

CHECKED BL DRAWN KC

SHEET C4.10



SAWS CONSTRUCTION NOTES  
(LAST REVISED JANUARY 2022)

SAWS GENERAL SECTION

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
- A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM," TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER," TAC TITLE 30 PART 1 CHAPTER 290.
- B. CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
- C. CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION".
- D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
2. THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTALLATION WORK UNTIL THEY OBTAIN A COPY OF THE APPROVED COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HAS BEEN NOTIFIED BY SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH THE WORK AND HAS ARRANGED A MEETING WITH THE INSPECTOR AND CONSULTANT FOR THE WORK REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WITHOUT AN APPROVED COUNTER PERMIT AND/OR A GCP WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE EXPENSE OF THE CONTRACTORS AND/OR THE DEVELOPER.
3. THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM THE SAWS WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS\_CENTER/SPECS. UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.
4. THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION (210) 233-2973, ON NOTIFICATION PROCEDURES THAT WILL BE USED TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING ANY WORK.
5. LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES. REQUESTING 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-FOOT FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWKRREQ@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 CONSTWKRREQ@SAWS.ORG.
11. 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 WATER NOTES

1. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS. THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- FOR WATER MAINS 12" OR HIGHER: SAWS EMERGENCY OPERATIONS CENTER (210) 233-2014
2. ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".
3. VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSP)
4. SUITABLE ANCHORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE PROVIDED AT ALL OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, PLUGS, CAPS, TEES, CROSSES, VALVES, AND BENDS, IN ACCORDANCE WITH THE STANDARD DRAWINGS DD-839 SERIES AND ITEM NO. 839, IN THE SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. ALL VALVES SHALL READ "OPEN RIGHT".
6. PRVS REQUIRED: CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 745 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 745 FEET, THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED TYPE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOT(S) IF \*PRV IS/ARE REQUIRED FOR SUCH LOT(S), ONLY SINGLE SERVICE CONNECTIONS SHALL BE ALLOWED. \*NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE (PRV).
7. PIPE DISINFECTION WITH DRY HTH FOR PROJECTS LESS THAN 800 LINEAR FEET. (ITEM NO. 847.3): MAINS SHALL BE DISINFECTED WITH DRY HTH WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS.
8. BACKFLOW PREVENTION DEVICES:
- ALL IRRIGATION SERVICES WITHIN RESIDENTIAL AREAS ARE REQUIRED TO HAVE BACKFLOW PREVENTION DEVICES.
  - ALL COMMERCIAL BACKFLOW PREVENTION DEVICES MUST BE APPROVED BY SAWS PRIOR TO INSTALLATION.
9. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND SAWS HAS RELEASED THE MAIN FOR TIE-IN AND USE.
10. DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

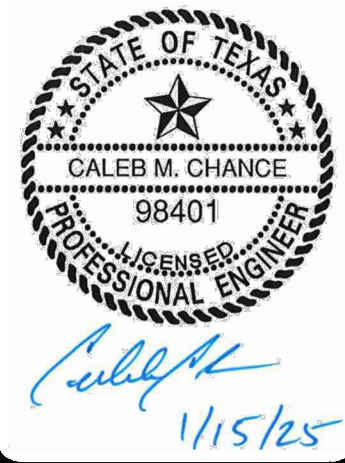
PROJECT WATER NOTES

1. MACHINE CHLORINATION BY THE S.A.W.S.
2. ALL 8", 12" AND 16" PIPE SHALL BE P.V.C. C-900 CLASS 235 DR 18.
3. ALL MAINS SHALL BE HYDROSTATICALLY TESTED BY THE CONTRACTOR, AS PROVIDED FOR IN THE SPECIAL CONDITIONS.
4. THE WATER LINES WILL BE SET FROM THE STREET HUBS BEFORE THIS CONTRACT BEGINS. STREET CUT SHEETS WILL BE SUPPLIED TO THE CONTRACTOR. THERE SHOULD BE NO ADDITIONAL STAKES REQUIRED, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE AND VERIFY THAT ALL STAKES REQUIRED FOR HIS WORK ARE IN PLACE AT THE TIME THE CONSTRUCTION BEGINS. IF ANY STAKES ARE MISSING THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY. AFTER CONSTRUCTION BEGINS, ALL CONSTRUCTION STAKES, MARKS, ETC., SHALL BE CAREFULLY PRESERVED BY THE CONTRACTOR, AND IN CASE OF DESTRUCTION OR REMOVAL BY THE CONTRACTOR, HIS EMPLOYEE OR ANY OTHER MEANS, SUCH STAKES, MARKS, ETC., SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH ALL THE FINAL MEASUREMENTS, TAPS AND LENGTH OF SERVICE CONNECTIONS.
6. THE LOT CORNERS WILL BE SET BY THE ENGINEER FOR INSTALLATION OF ALL WATER SERVICES. THESE LOT CORNERS SHALL BE CAREFULLY PRESERVED BY THE CONTRACTOR SO THE METER BOXES CAN BE SET IN PHASE II. ANY LOT CORNER DESTROYED OR REMOVED BY THE CONTRACTOR, HIS EMPLOYEES, OR BY ANY OTHER MEANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. STREETS WILL HAVE BEEN EXCAVATED DOWN TO SUBGRADE AND THE PARKWAY WILL BE CUT DOWN TO TOP OF CURB BY THE STREET CONTRACTOR, PRIOR TO CONSTRUCTION OF THE WATER MAINS. IT WILL BE THE UTILITY CONTRACTOR'S RESPONSIBILITY TO PROVIDE A PAD FOR HIS EQUIPMENT.
8. WATER METER BOXES IF APPLICABLE SHALL BE INSTALLED NINE FEET FROM FACE OF CURB TO CENTER OF THE METER BOX.
9. ALL GARBAGE OR SPOIL MATERIAL FROM THIS WORK SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR, AT HIS EXPENSE.
10. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED AND THE S.A.W.S. RELEASES THE MAIN FOR TIE-IN AND USE.
11. UNIT PRICE BID FOR "STANDARD FIRE HYDRANT ASSEMBLY" SHALL INCLUDE FIRE HYDRANT, 6-INCH GATE VALVE AND 6-INCH VALVE BOX COMPLETE, ANCHOR BEND, AND ALL 6-INCH DI PIPE REQUIRED (DI PIPE REQUIRED SHALL INCLUDE ALL PIPE FROM THE TEE ON THE MAIN LINE TO THE FIRE HYDRANT).
12. WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS" (1988 OR ANY REVISIONS THERETO).
13. A CLEAR SPACE SHALL BE PROVIDED AROUND ALL FIRE HYDRANTS. THIS AREA SHOULD HAVE A MINIMUM DIAMETER OF 3.0' AND BE CLEAN OF VERTICAL OBSTRUCTIONS, VALVES, AND METER BOXES.
14. SAWS REQUIRES LEAD FREE (< 0.25%) FIRE HYDRANTS.
15. UNLESS OTHERWISE NOTED ALL SERVICES SHALL BE 3/4" WITH 5/8" METER.

WATER (SAWS PRESSURE ZONE 930)

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.			
ADDRESS: 5419 N LOOP 1604			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78218	
PHONE# (210) 496-2668	FAX# (210) 490-2668		
SAWS BLOCK MAP# 068558 TOTAL EDU'S 112 TOTAL ACREAGE 21.9			
TOTAL LINEAR FOOTAGE OF PIPE: 8"-3783' PLAT NO. 24-11800437			
NUMBER OF LOTS 112	SAWS JOB NO. 24-1177		

DATE	NO.	REVISION



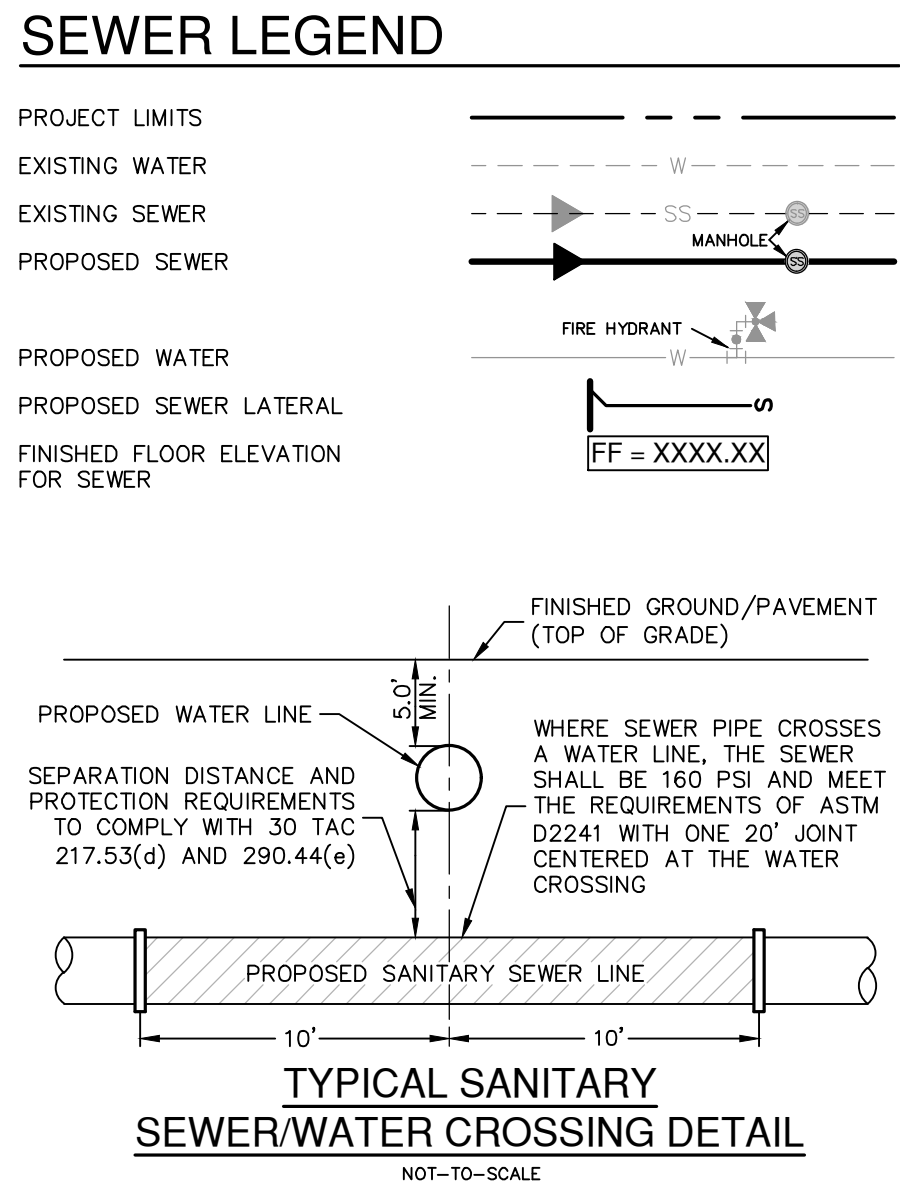
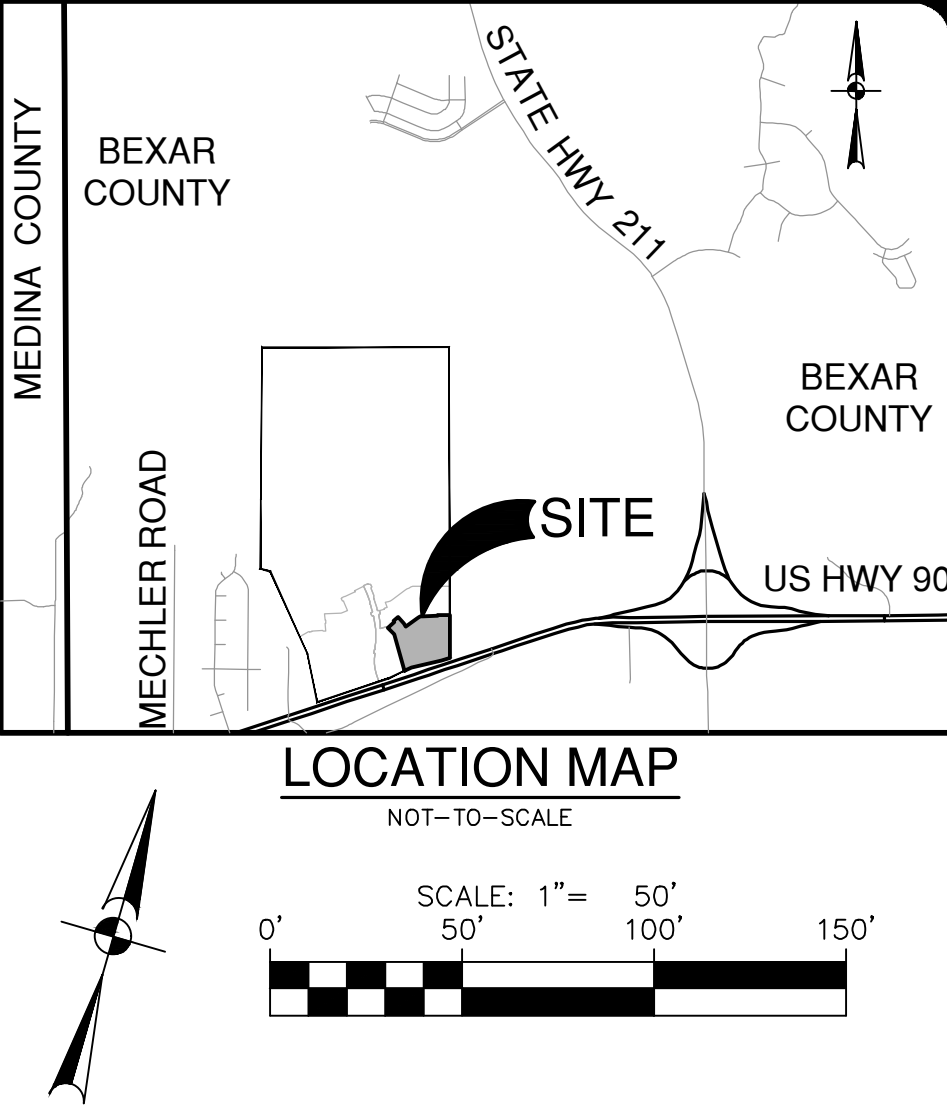
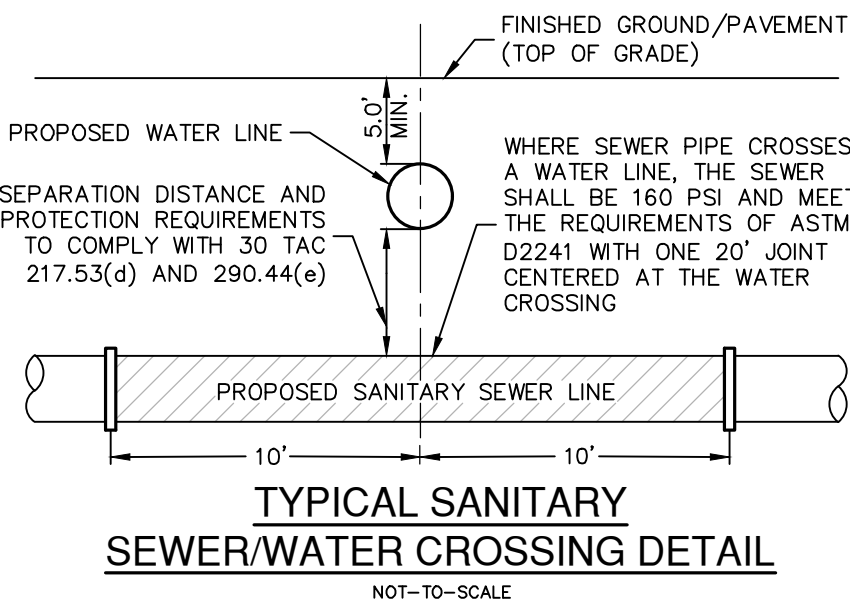
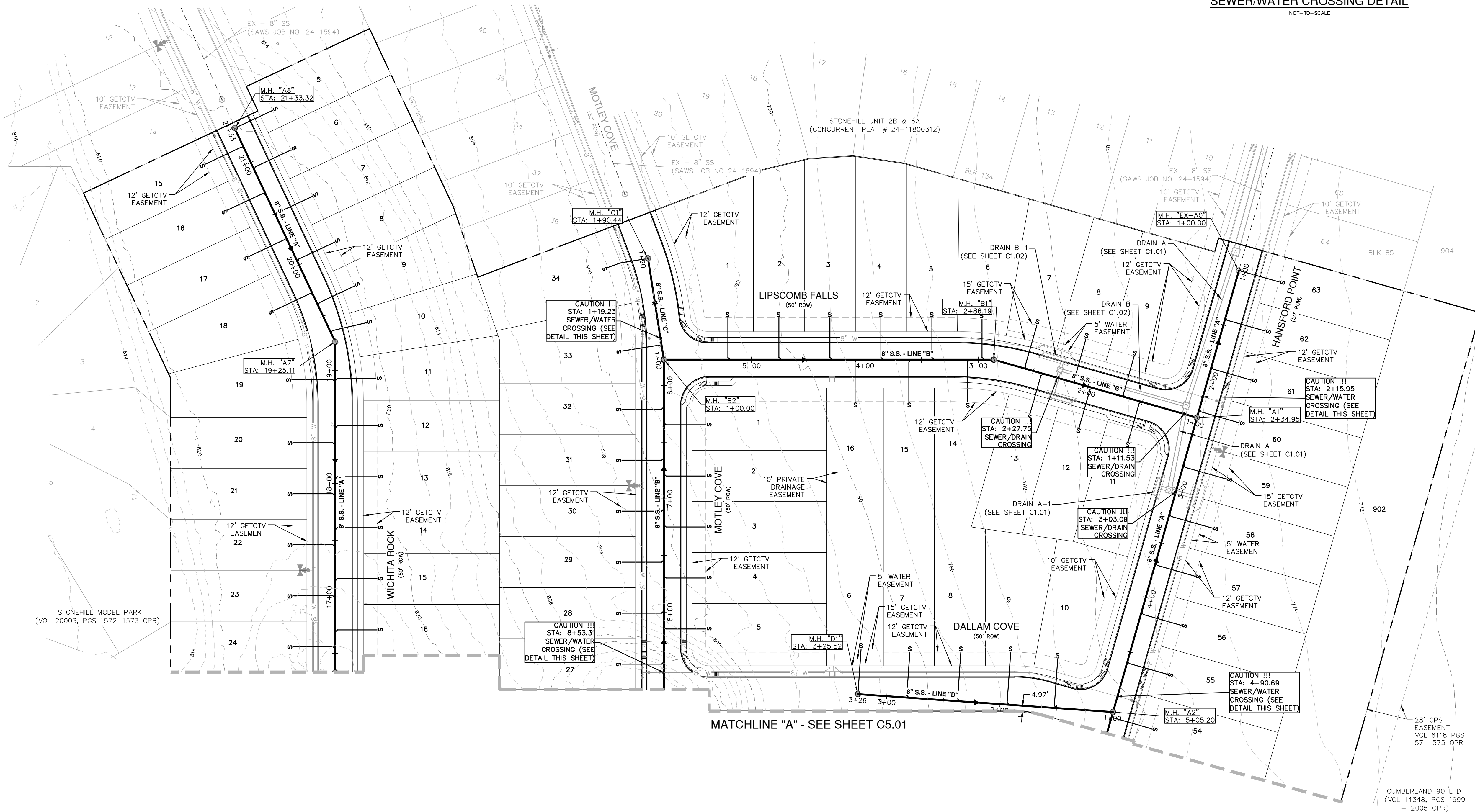
**PAPE-DAWSON**  
**ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

STONEHILL UNITS 6B & 8  
SAN ANTONIO, TEXAS  
WATER DISTRIBUTION PLAN NOTES

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	RG
CHECKED	BL
DRAWN	KC
SHEET	C4.11





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

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

**ROW PERMIT NOTE:**  
A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY RIGHTS-OF-WAY.

**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.

**SEWER**

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.			
ADDRESS: 5419 N LOOP 1604			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78218	
PHONE# (210) 496-2668	FAX# 685558		
SAWS BLOCK MAP#68560 TOTAL EDU'S.112 TOTAL ACREAGE21.9			
TOTAL LINEAR FOOTAGE OF PIPE: 8" 3322 LF PLAT NO.24-11800437			
NUMBER OF LOTS 112	SAWS JOB NO. 24-1650		

DATE	
NO. REVISION	

11/5/25

**PAPE-DAWSON ENGINEERS**

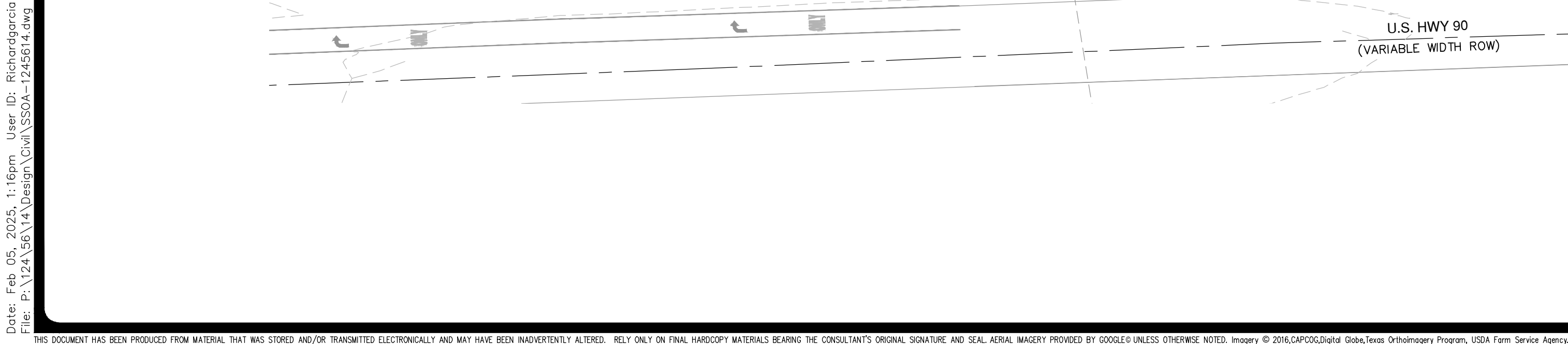
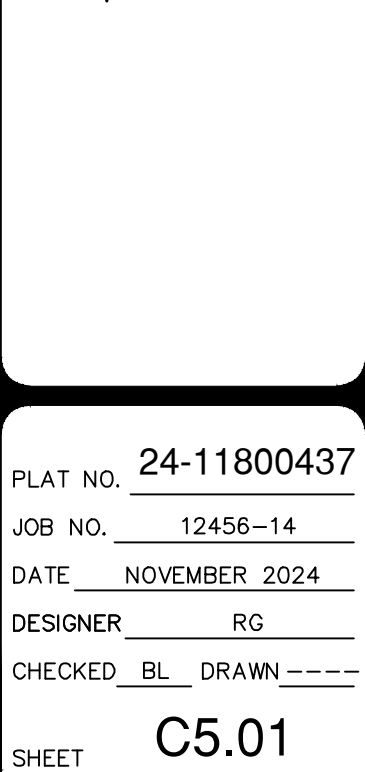
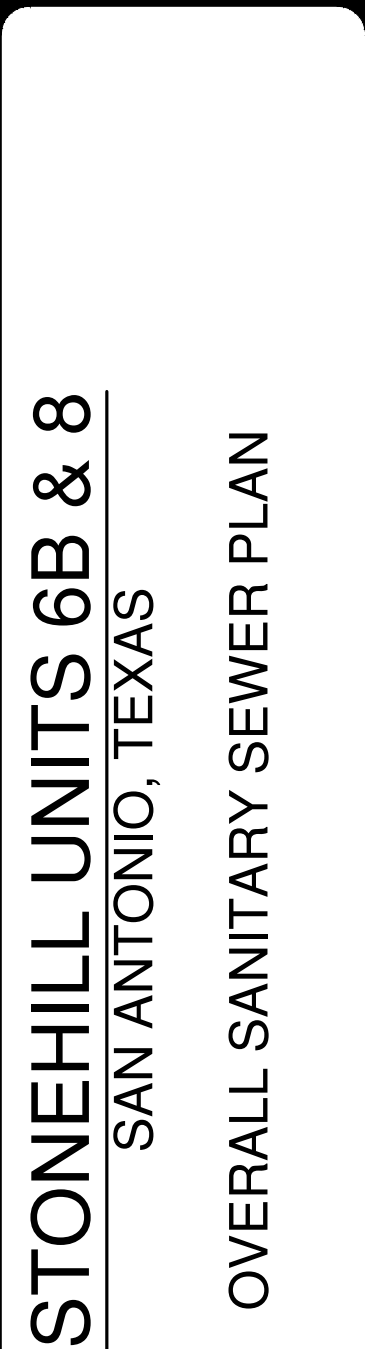
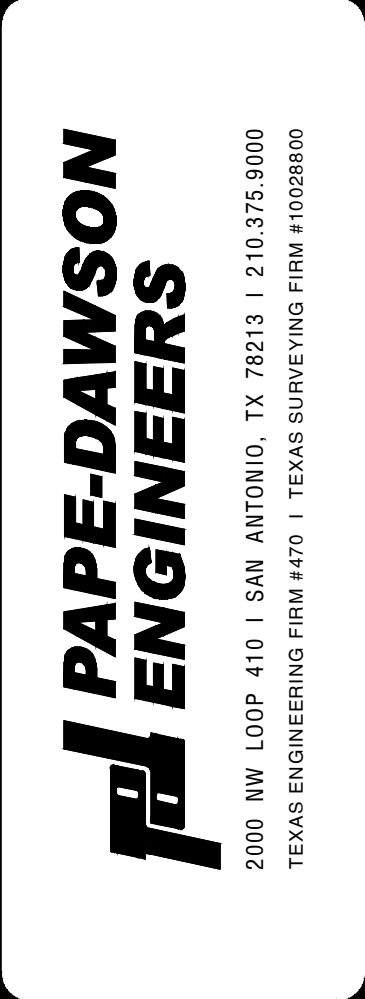
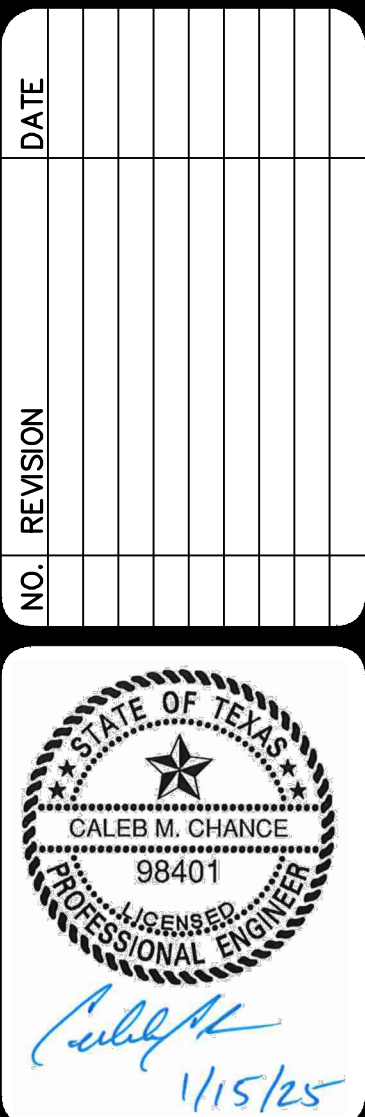
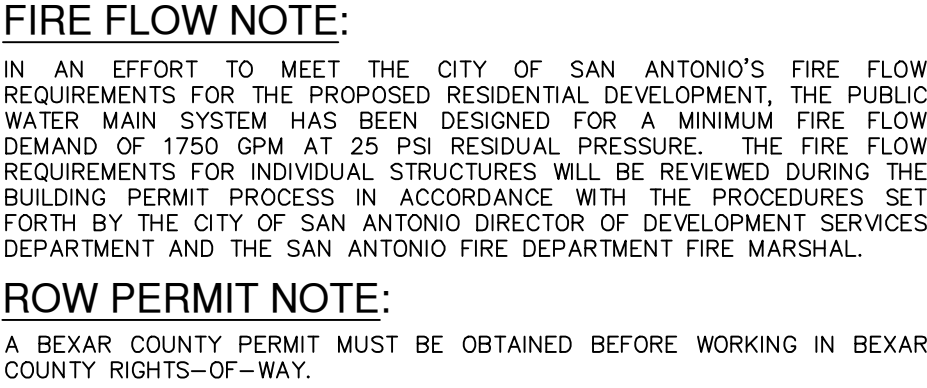
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #4701 TEXAS SURVEYING FIRM #10028800

**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS

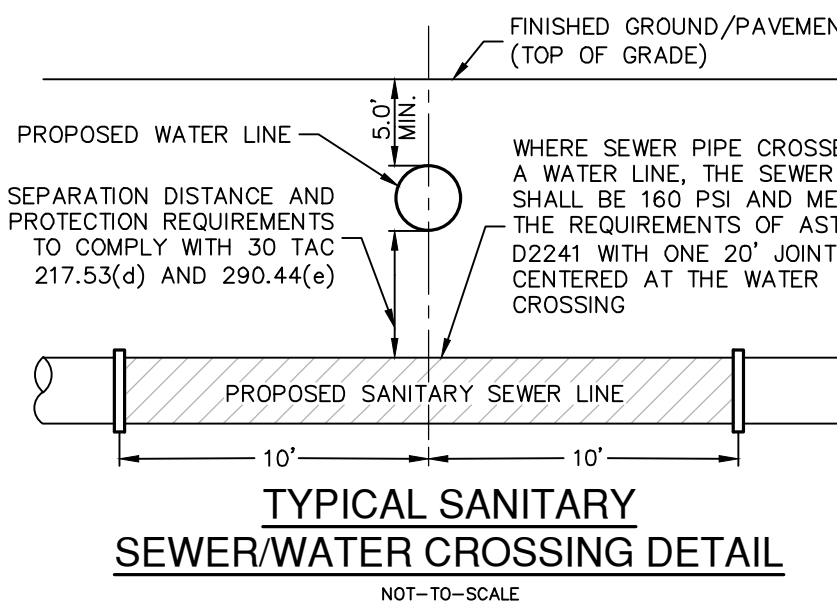
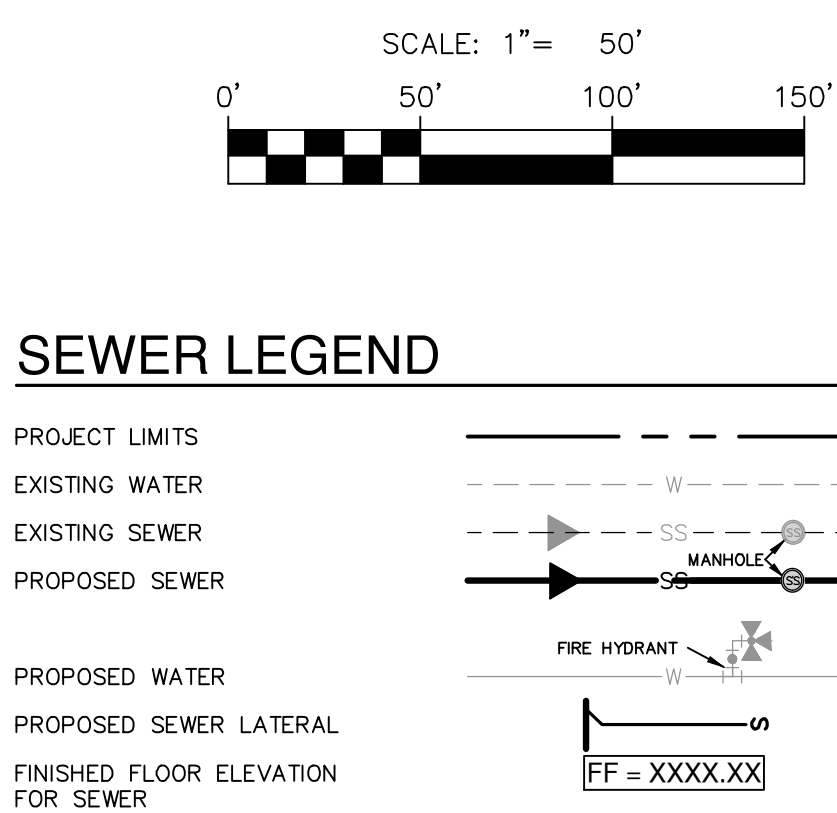
**OVERALL SANITARY SEWER PLAN**

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	EG
SHEET	C5.00









**CAUTION!!!**

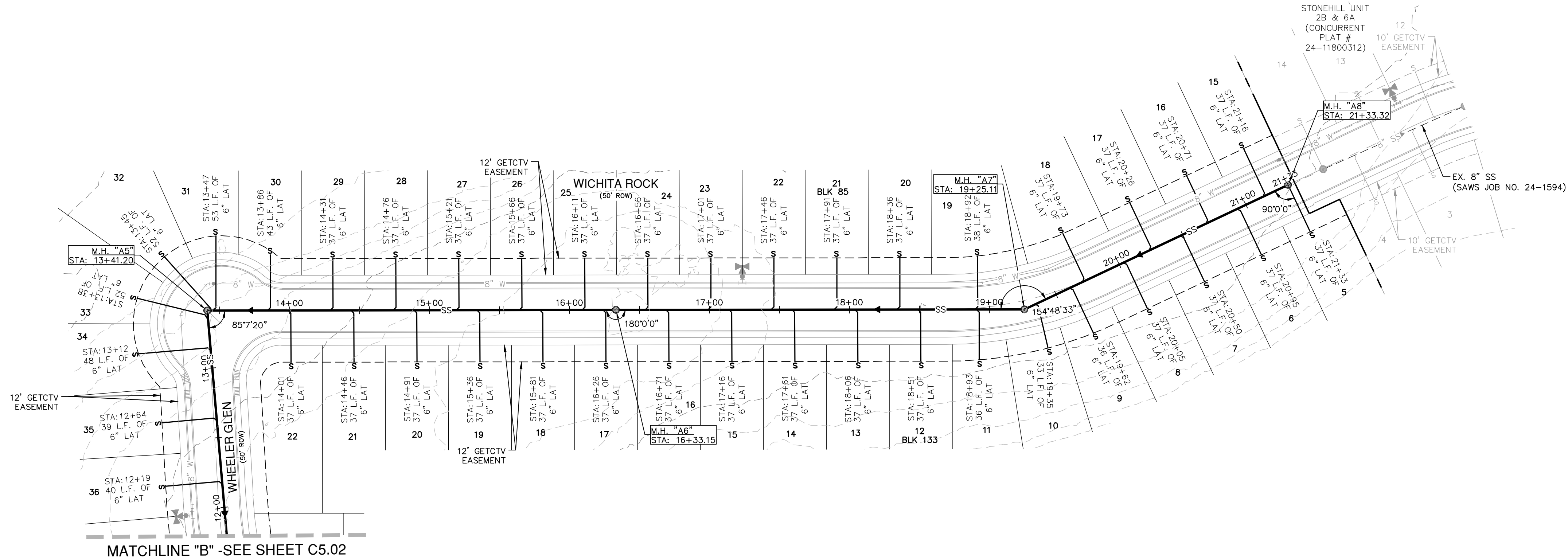
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE, FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, STEADY STATE ELECTRIC, PUMP ELECTRICAL, DUCTLESS LIQUID, LIQUID NITROGEN, FIBER OPTIC, AND ANY OTHER UTILITIES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES FROM THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS SHOWN THESE PLANS OR NOT.

**TRENCH EXCAVATION SAFETY PROTECTION**

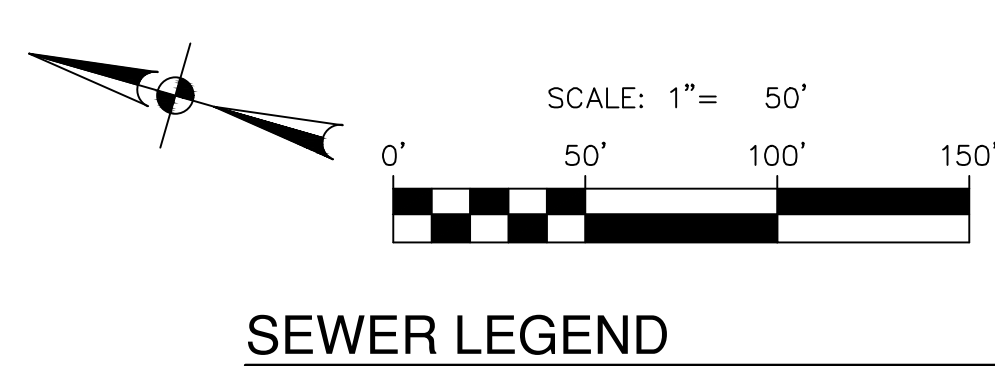
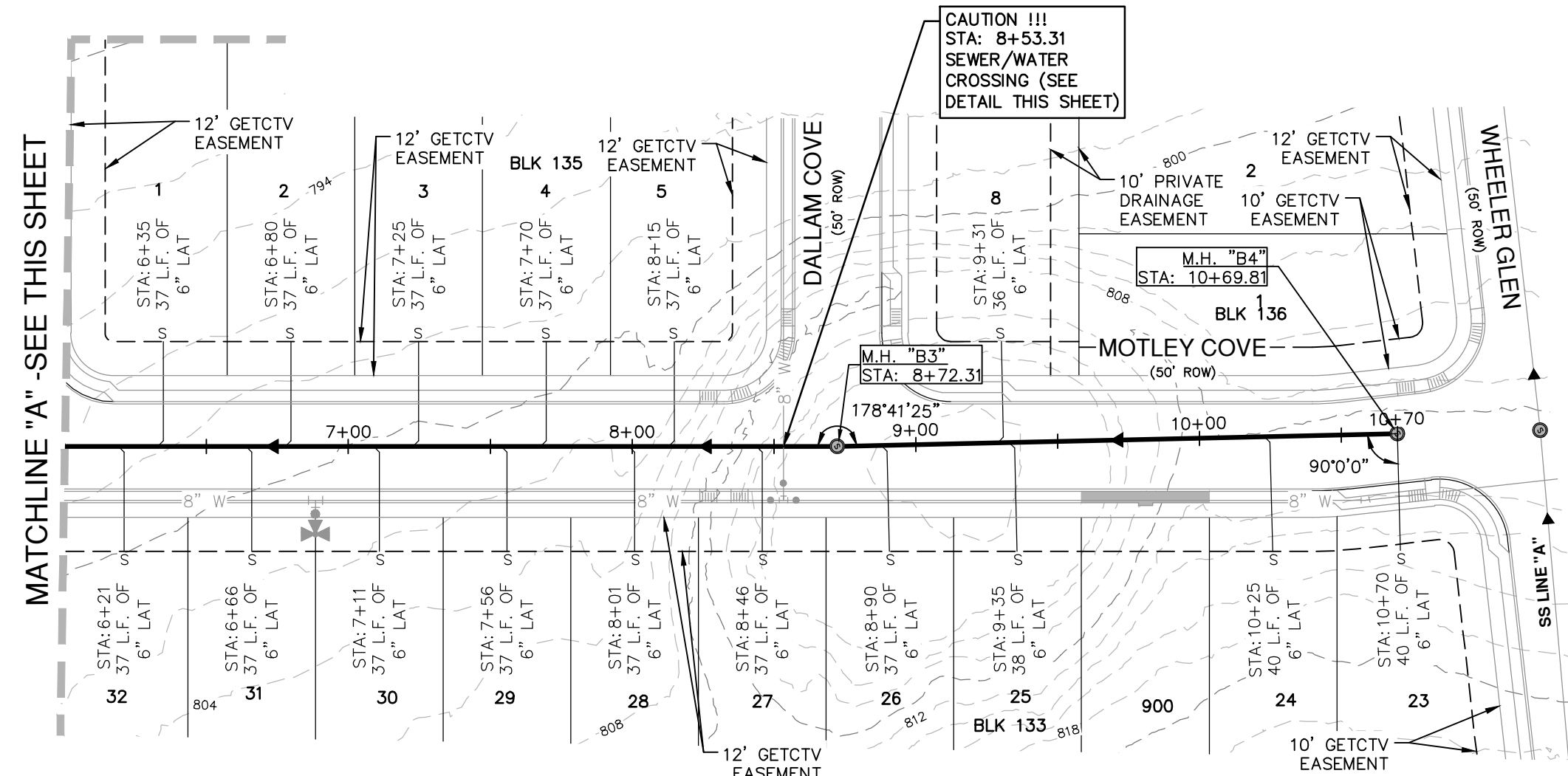
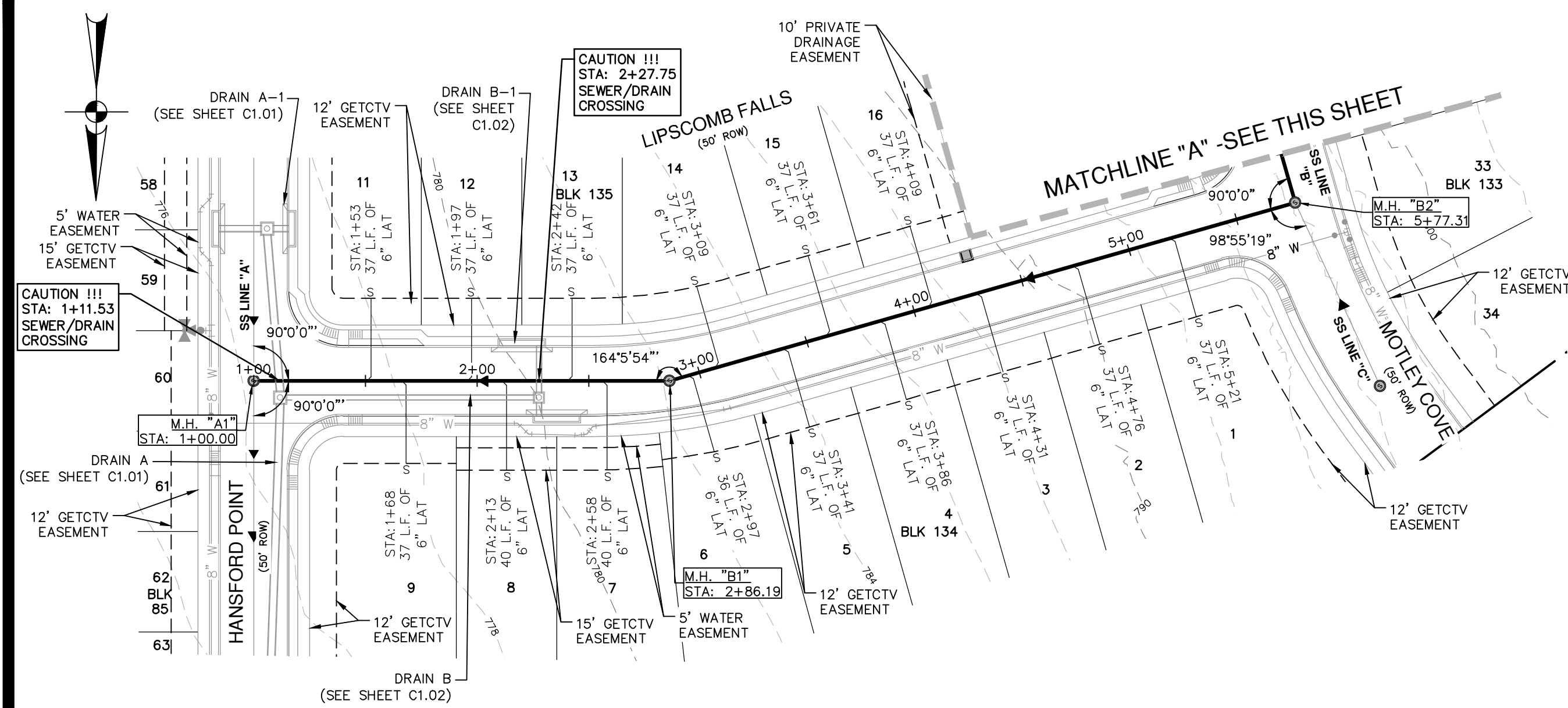
THE CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEES SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF THE STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT COMPLYING WITH ALL APPLICABLE REGULATIONS, ORDINANCES, AND STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT THE CONTRACTOR'S SAFETY PROGRAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF THE 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR A. THE CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SUBCONSULTANT SHALL IMPLEMENT TRENCH SAFETY PRESENCE ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS.

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.  
ADDRESS: 5419 N LOOP 1604  
CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218  
PHONE # (210) 496-2668 FAX#  
SALES BLOCK MAP# 68580 TOTAL EDU'S 112 TOTAL ACREAGE 21.1  
TOTAL LINEAR FOOTAGE OF PIPE: 8" 3322 LF PLAT NO.24-118004  
NUMBER OF LOTS 112 SAWS JOB NO. 24-1650

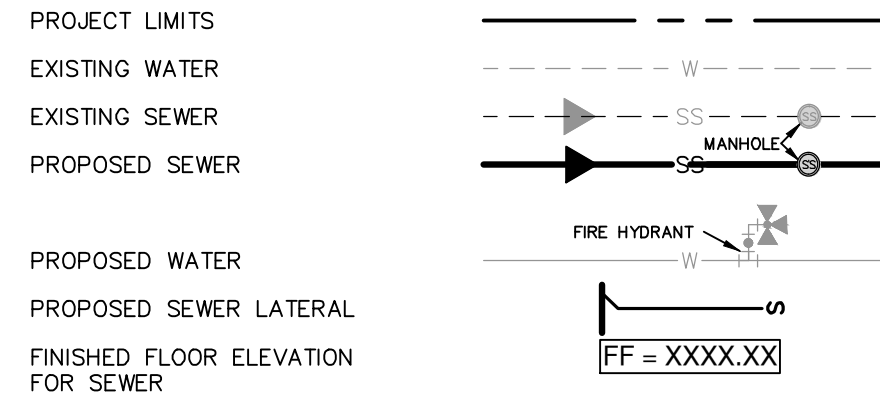






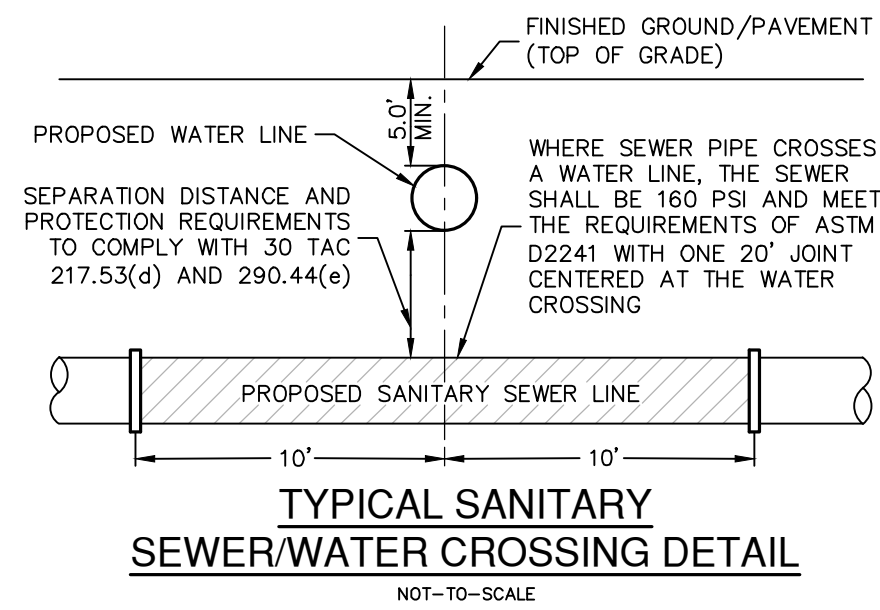
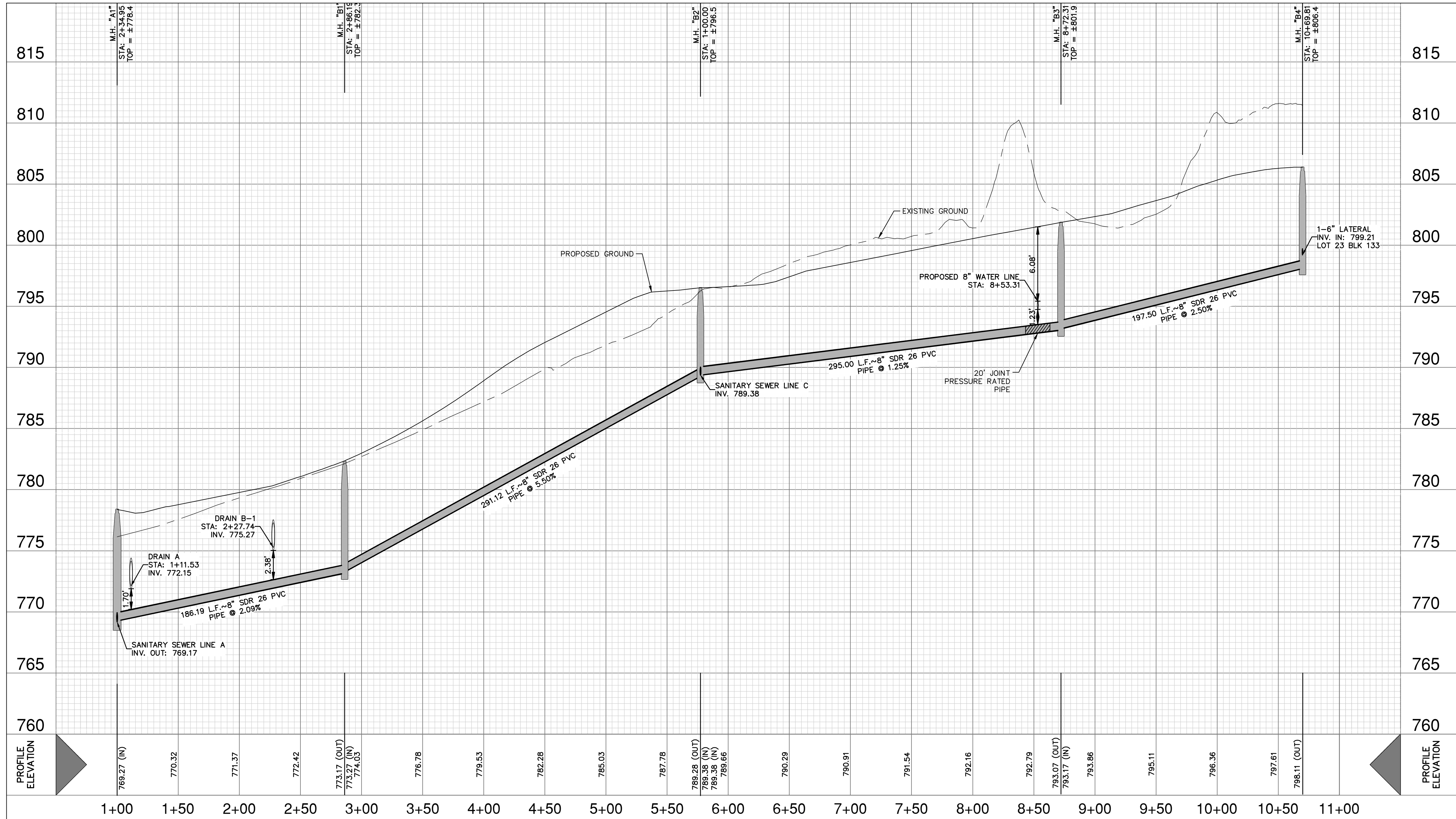


### SEWER LEGEND



SANITARY SEWER LINE "B"  
STA. 1+00.00 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, 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.

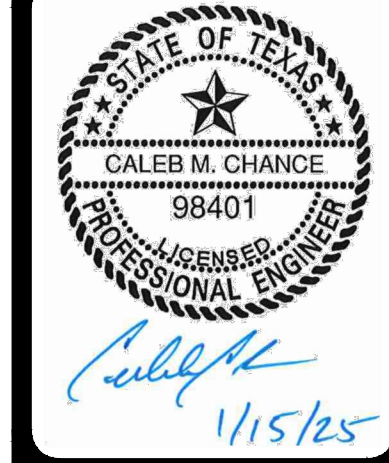
### TRENCH EXCAVATION SAFETY PROTECTION:

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.

### SEWER

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.			
ADDRESS: 5419 N LOOP 1604			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78218	
PHONE# (210) 496-2668	FAX# 685558		
SAWS BLOCK MAP# 685560 TOTAL EDU'S 112 TOTAL ACREAGE 21.9			
TOTAL LINEAR FOOTAGE OF PIPE: 8" 3322 LF PLAT NO. 24-11800437			
NUMBER OF LOTS 112 SAWS JOB NO. 24-1650			

NO.	REVISION	DATE

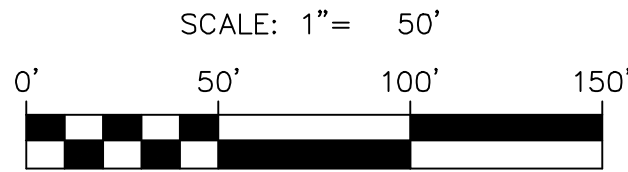
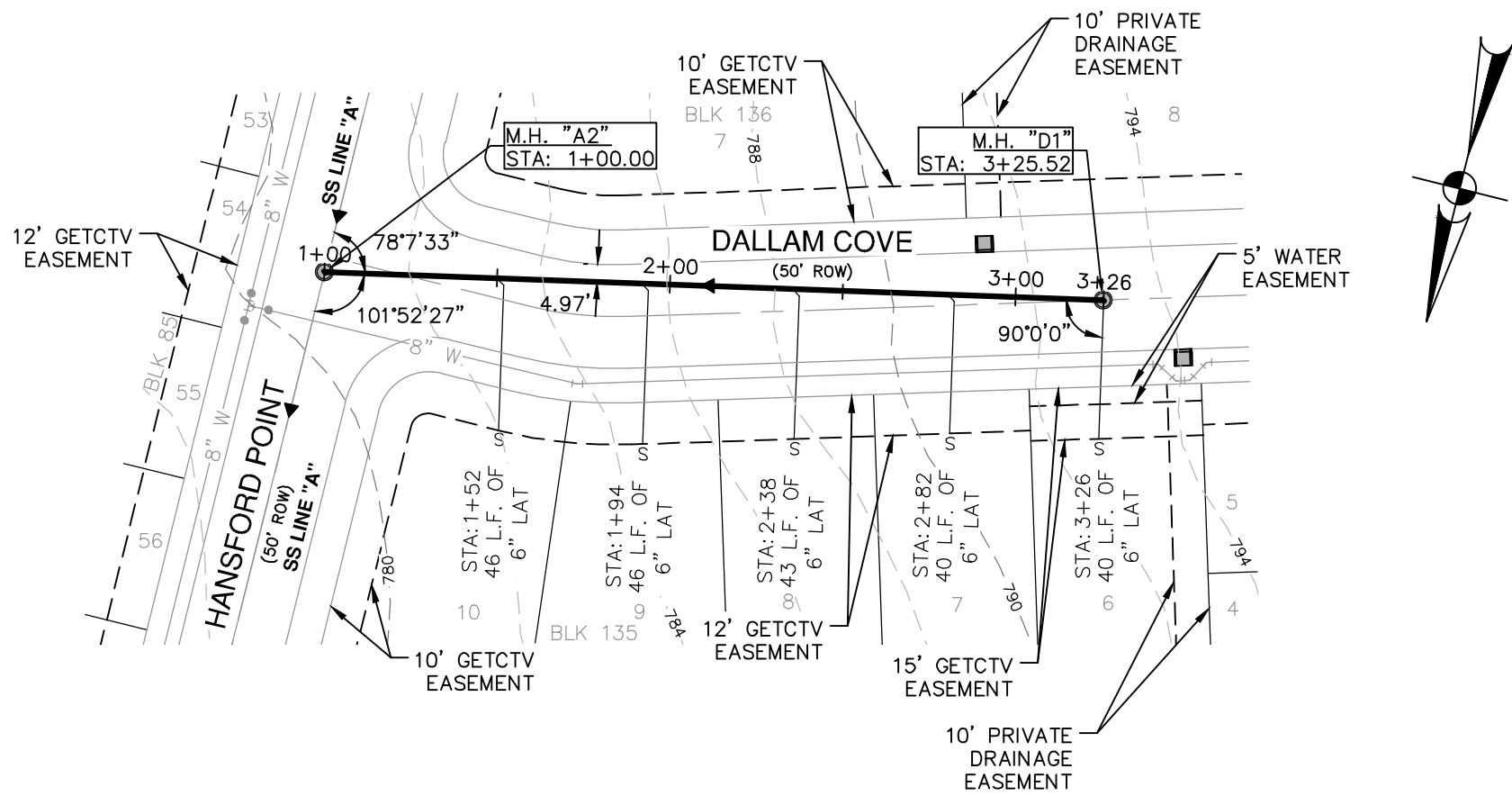
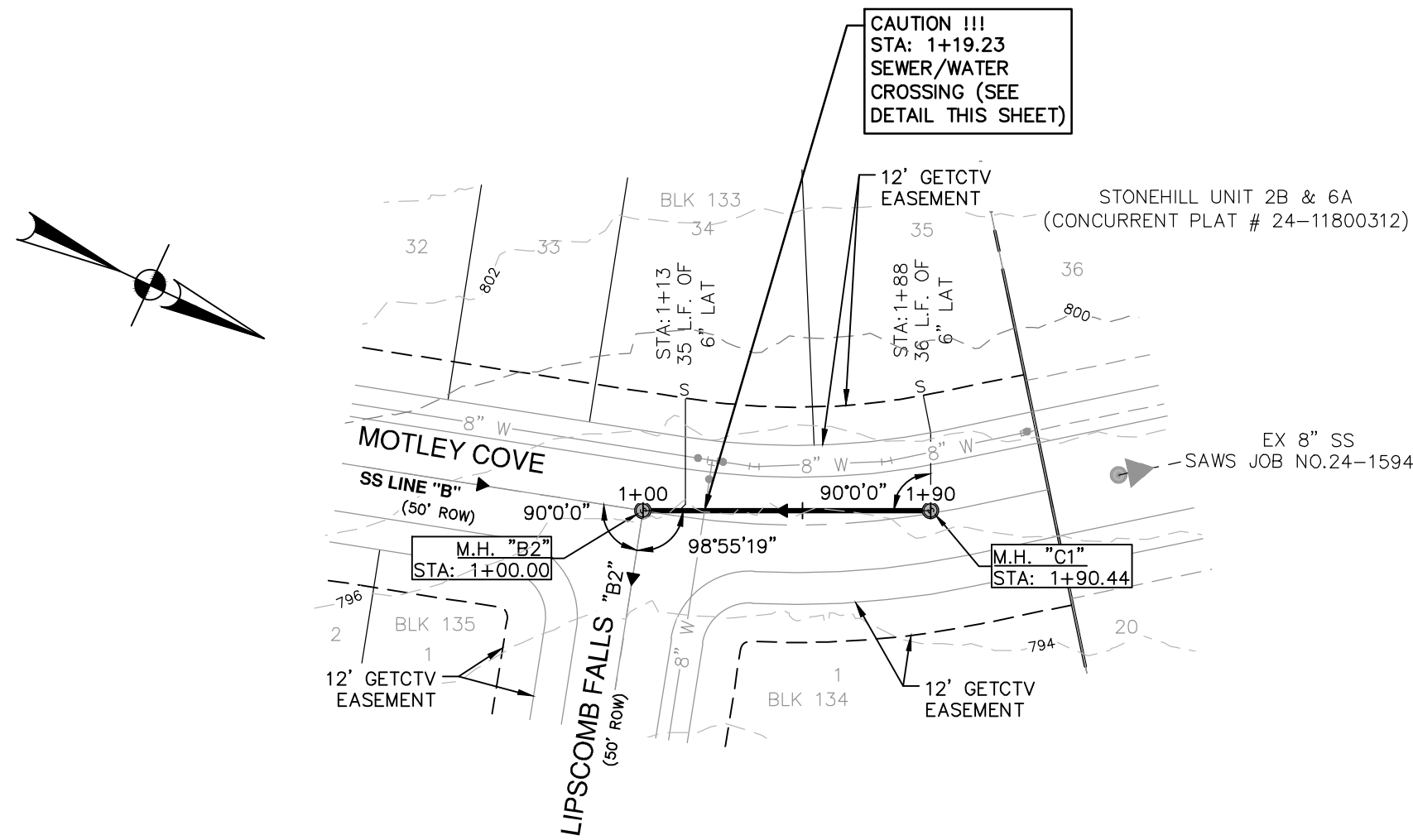


**PAPE-DAWSON**  
**ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

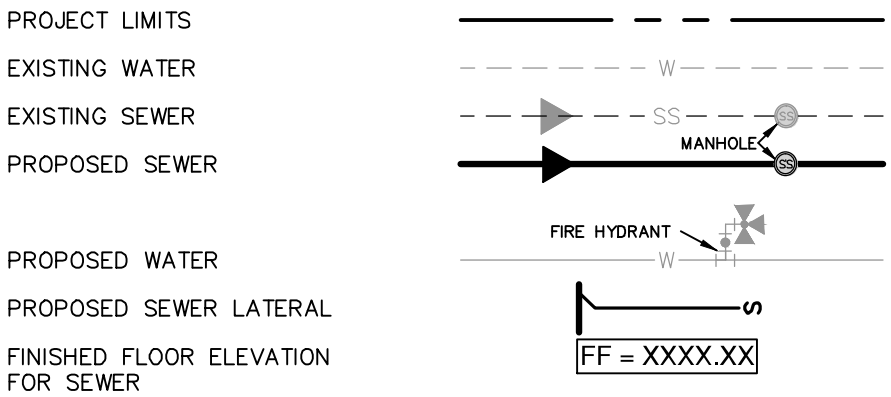
**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS  
**SANITARY SEWER LINE B PLAN & PROFILE**  
(STA. 1+00.00 TO END)

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	EG
SHEET	C5.04

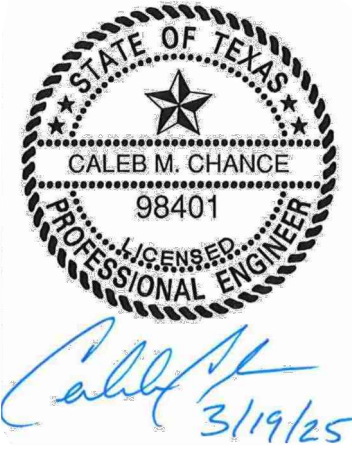




### SEWER LEGEND



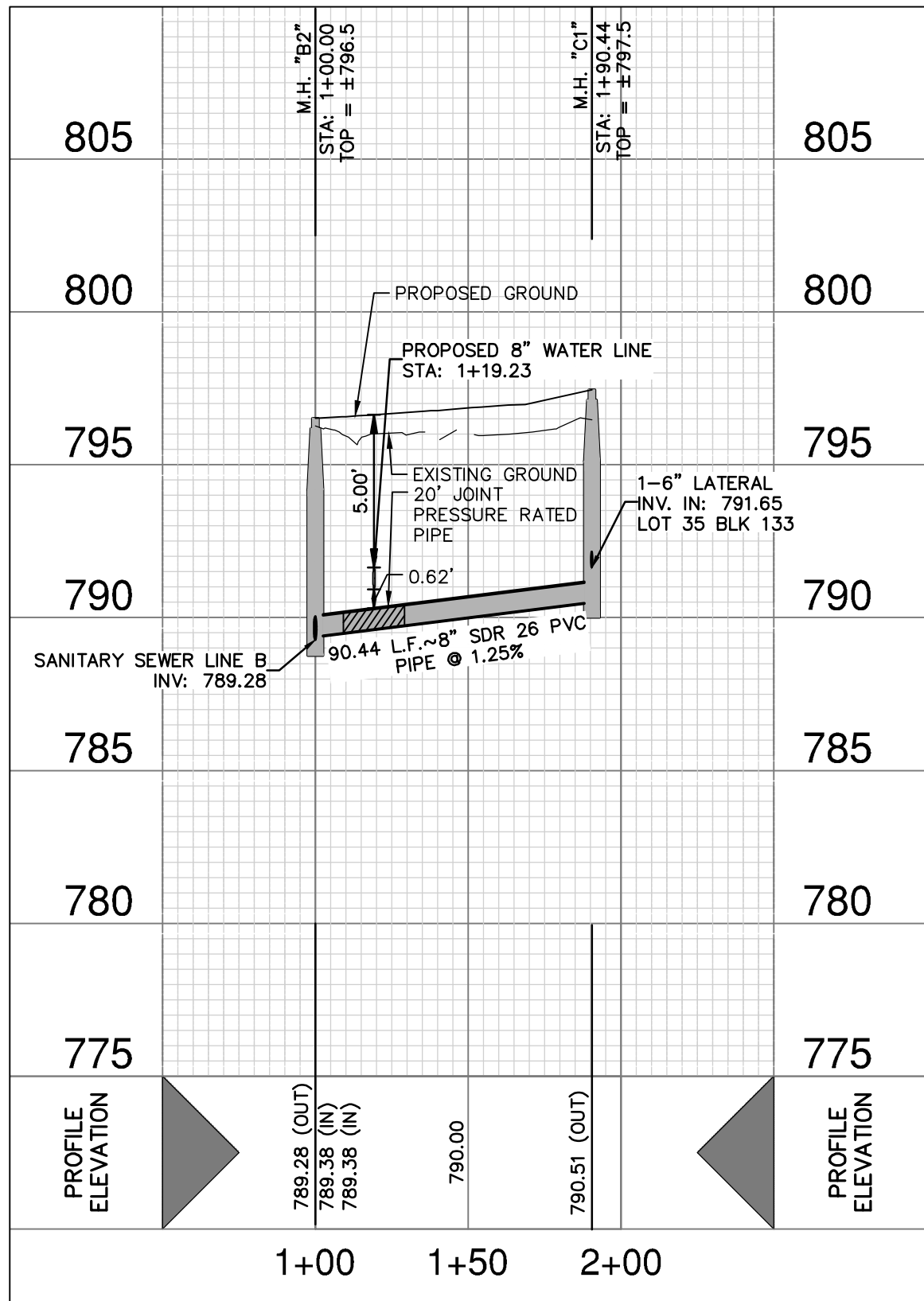
NO.	REVISION	DATE



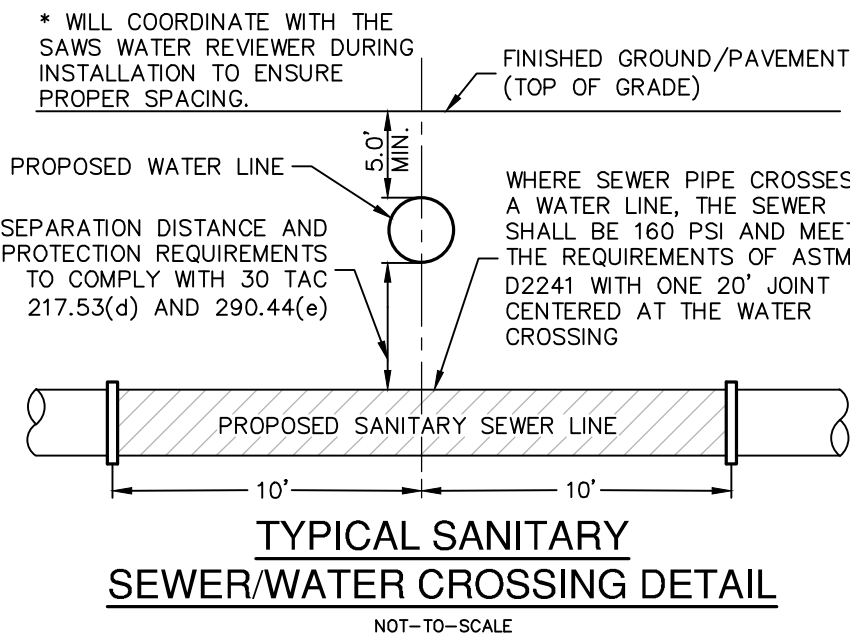
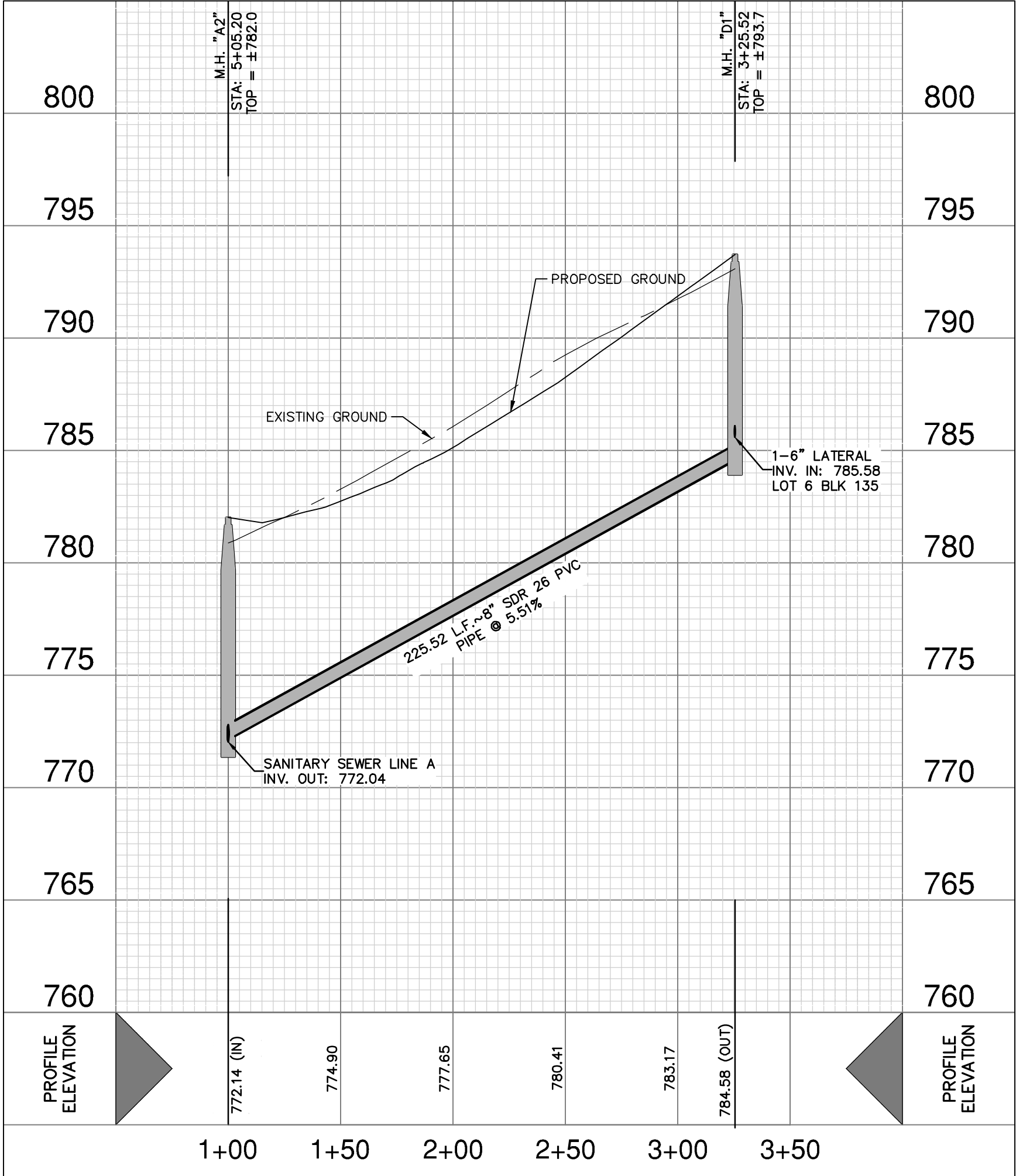
**PAPE-DAWSON**  
**ENGINEERS**

2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

SANITARY SEWER LINE "C"  
STA. 1+00.00 TO END  
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



SANITARY SEWER LINE "D"  
STA. 1+00.00 TO END  
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



### CAUTION!!

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### 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.

### SEWER

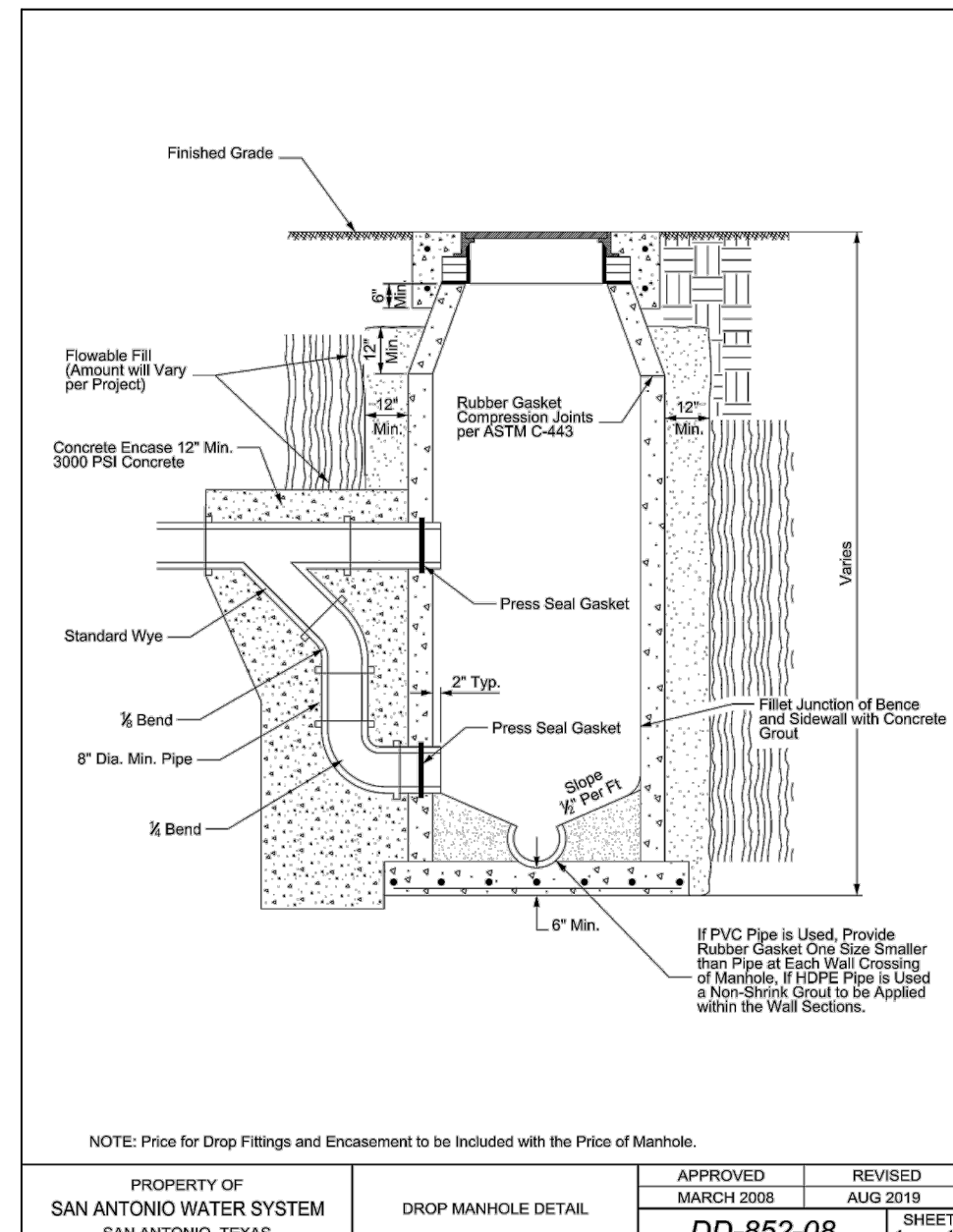
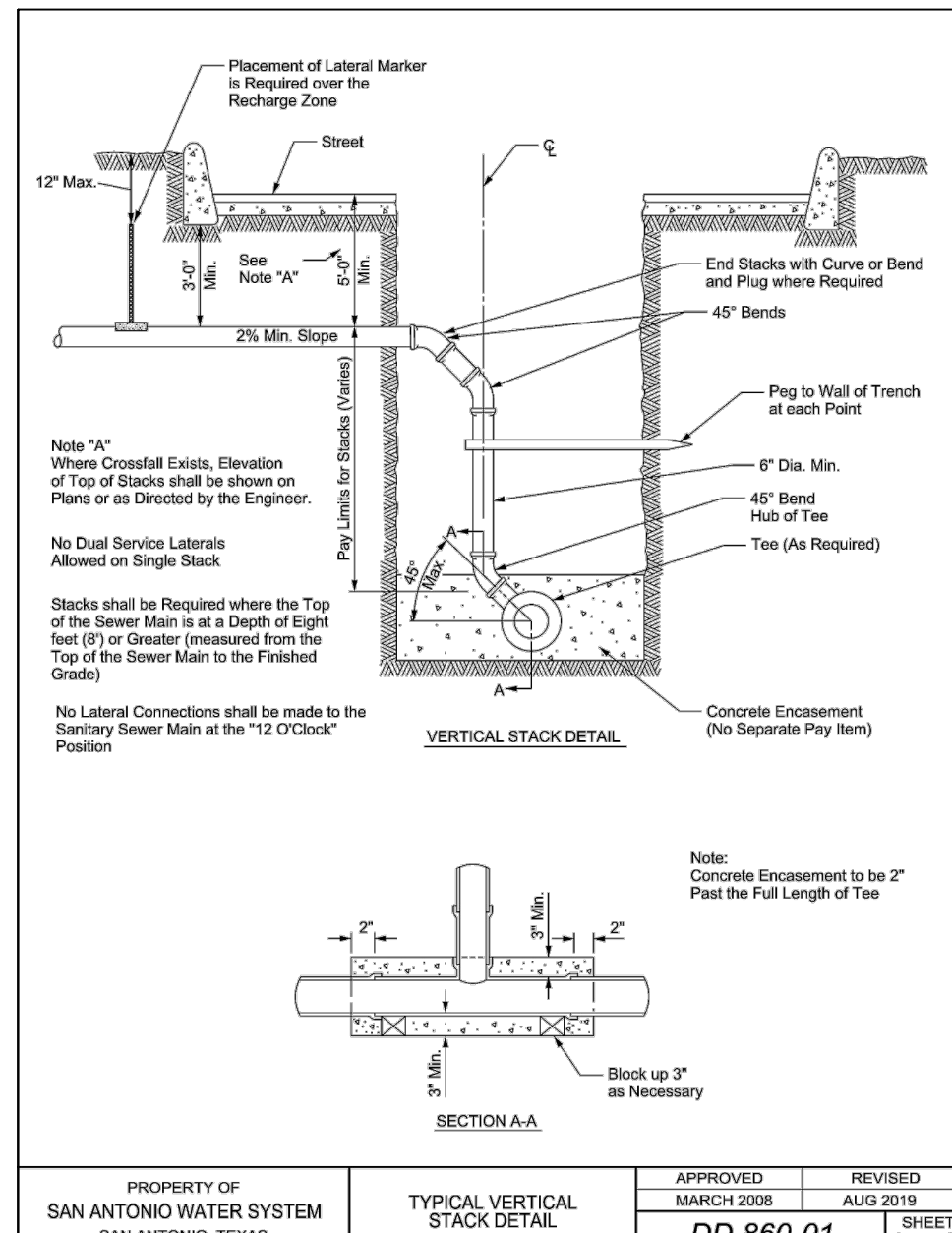
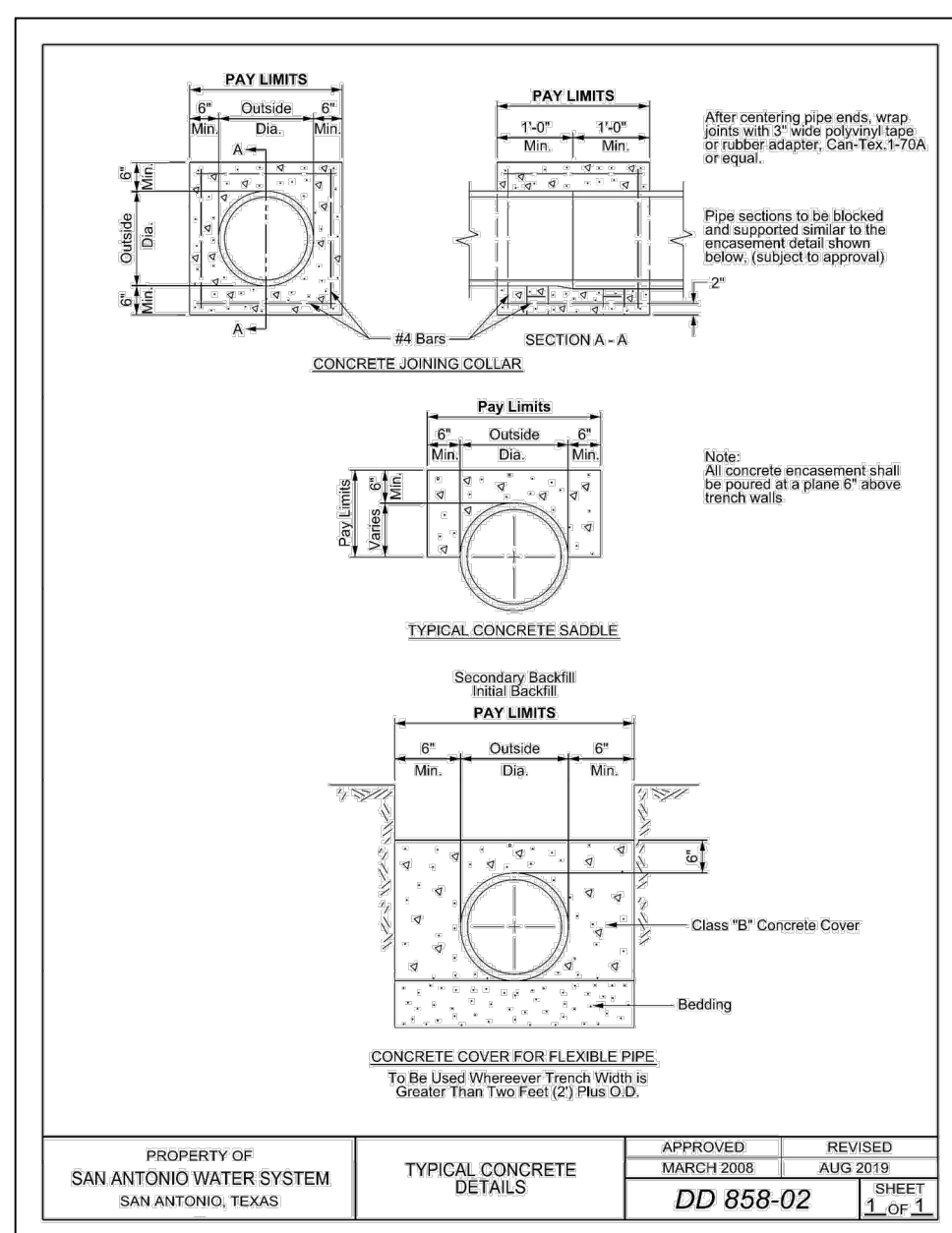
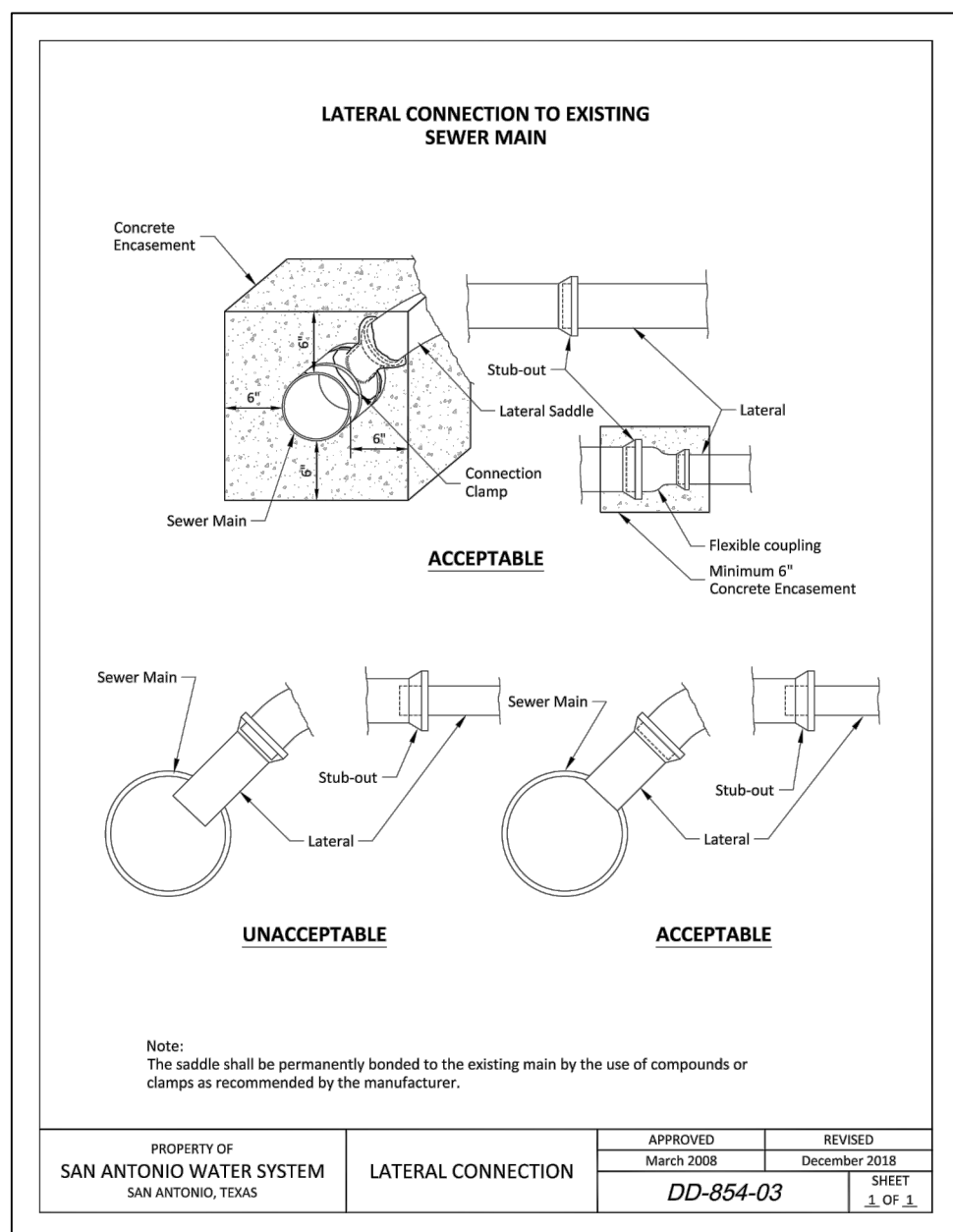
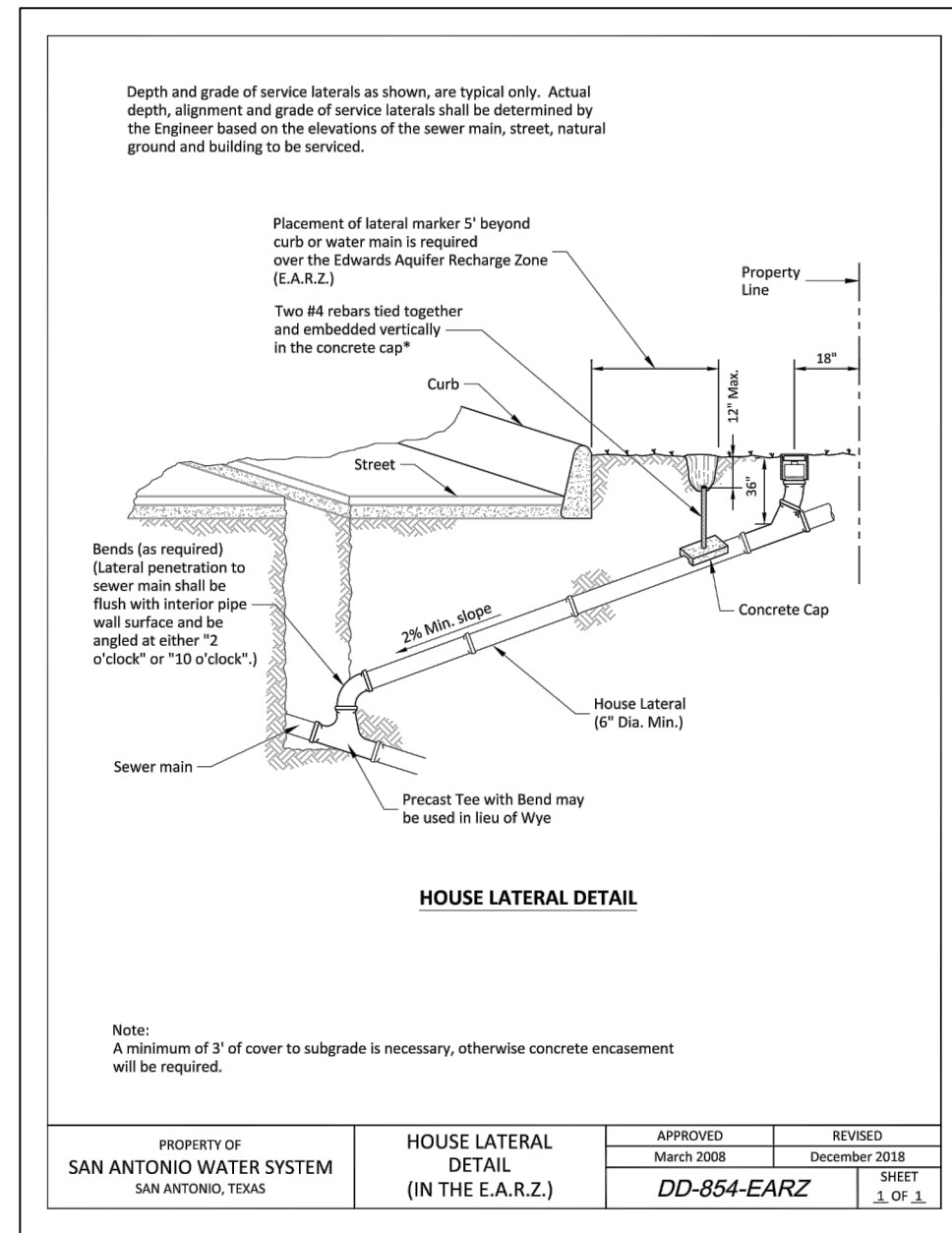
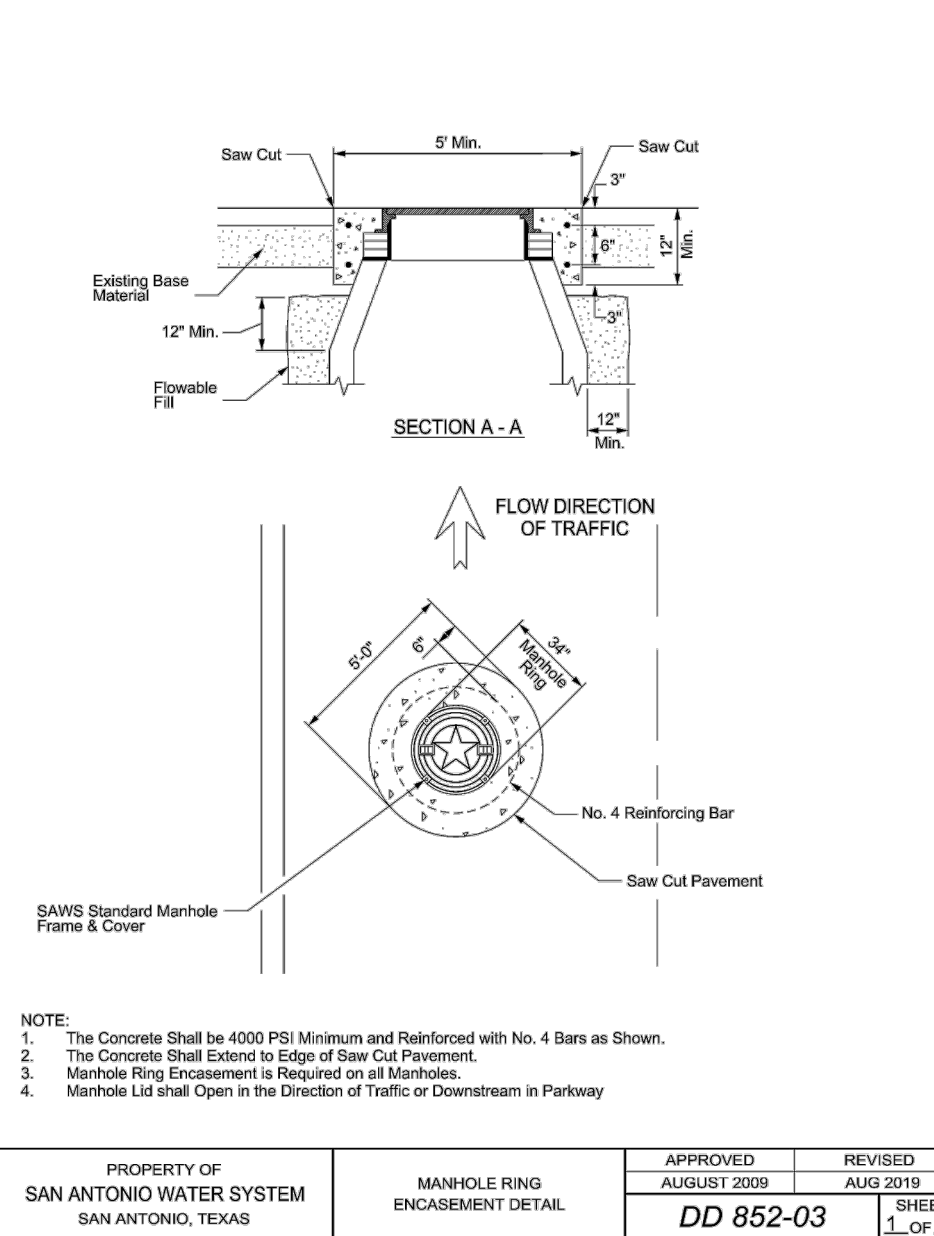
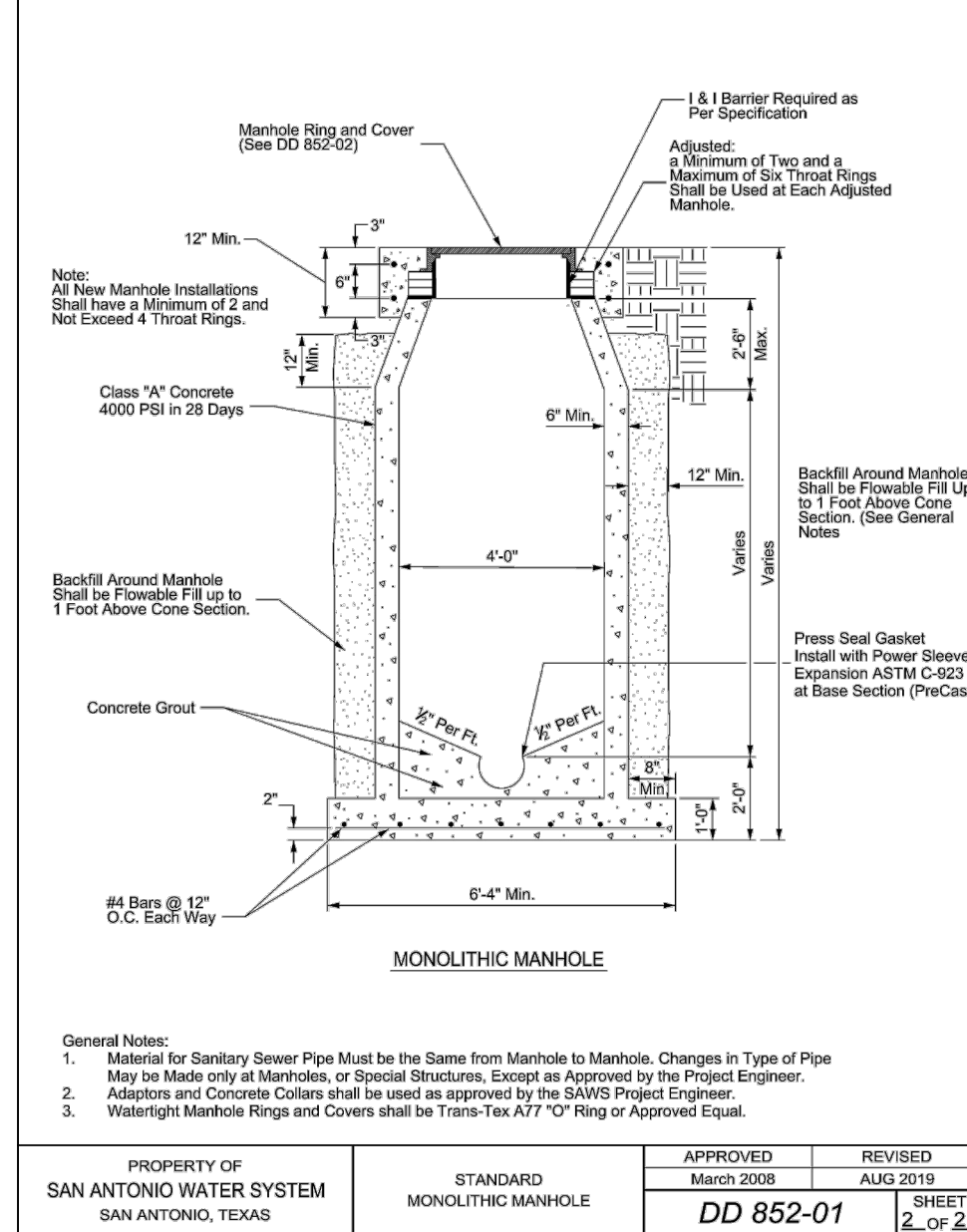
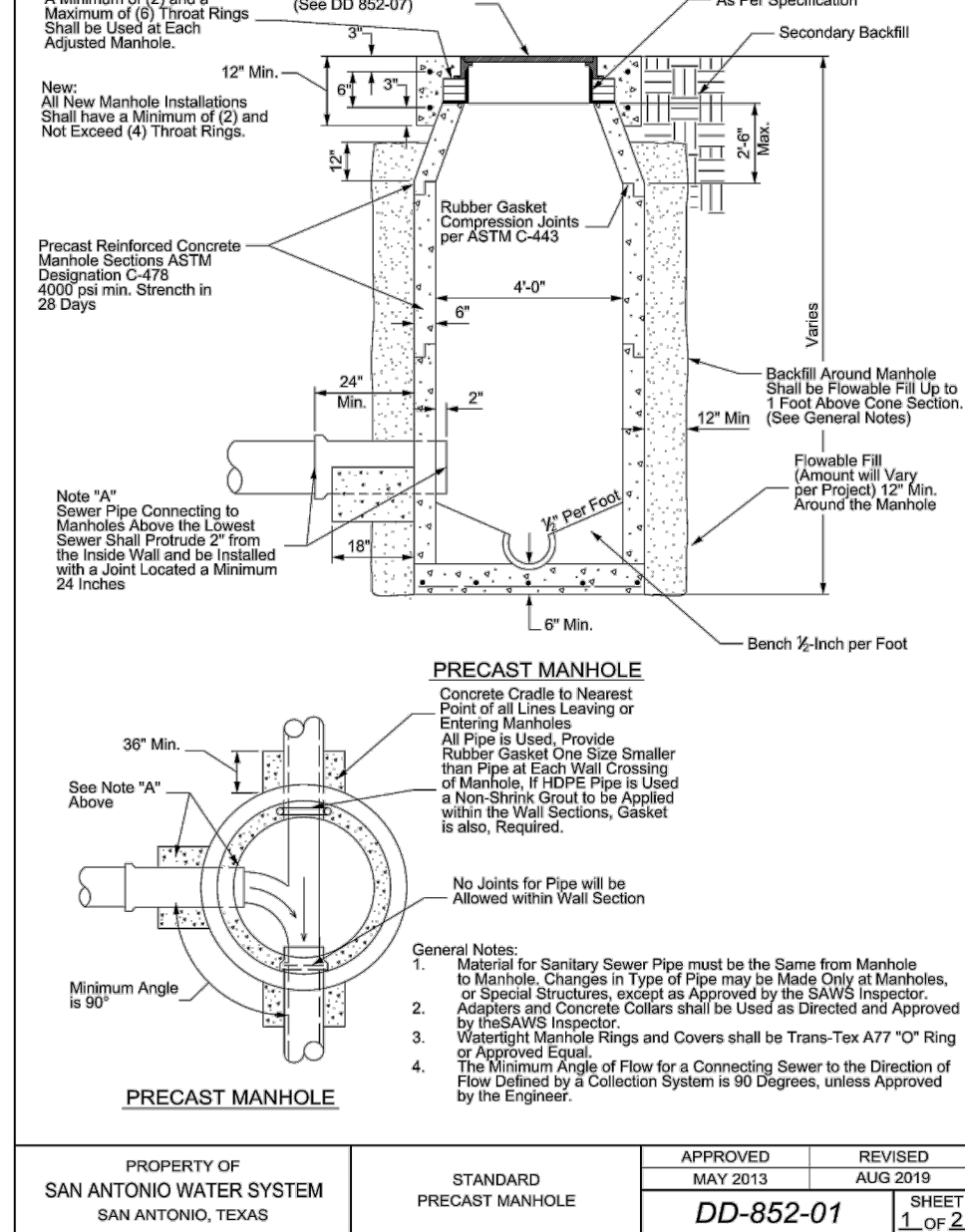
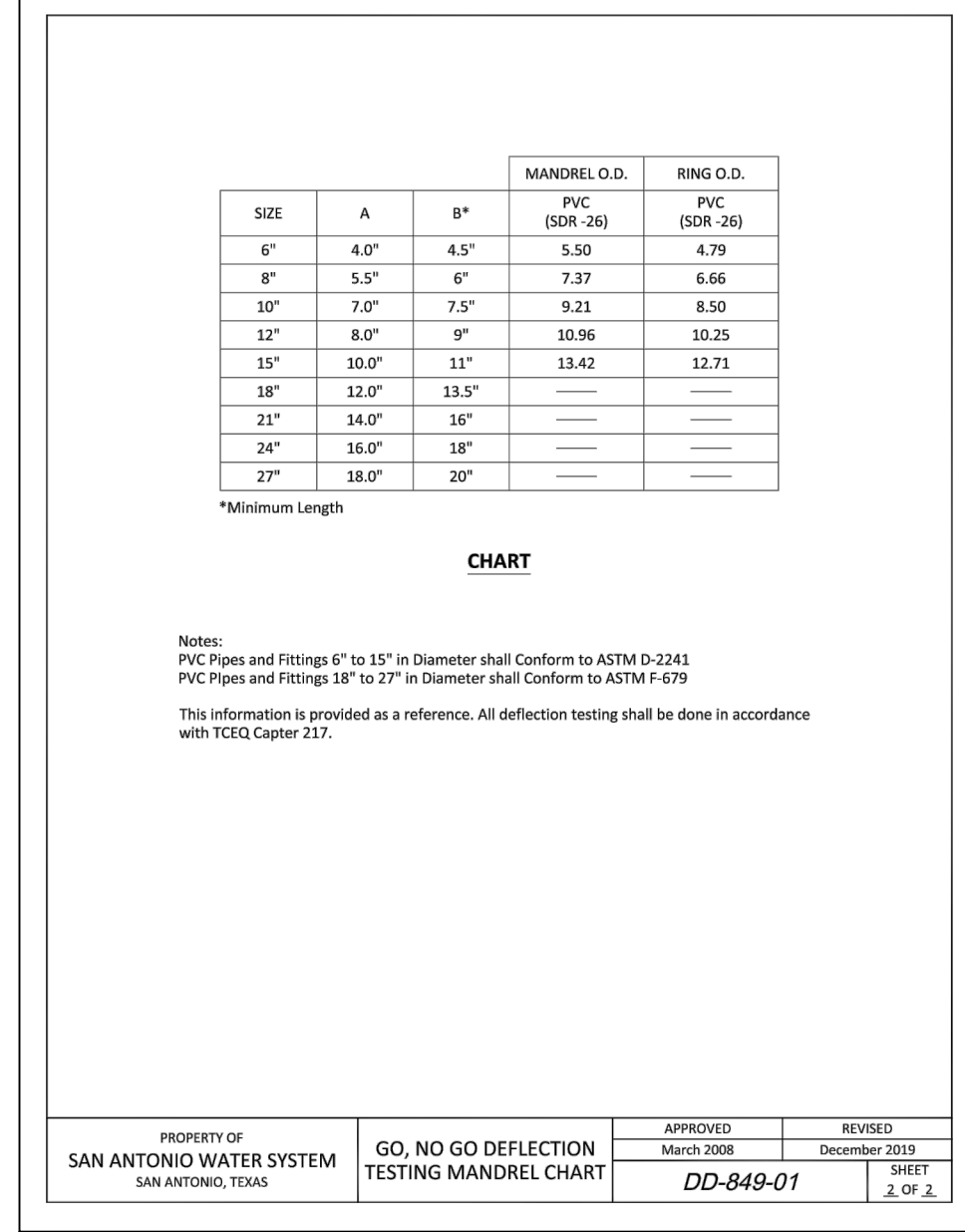
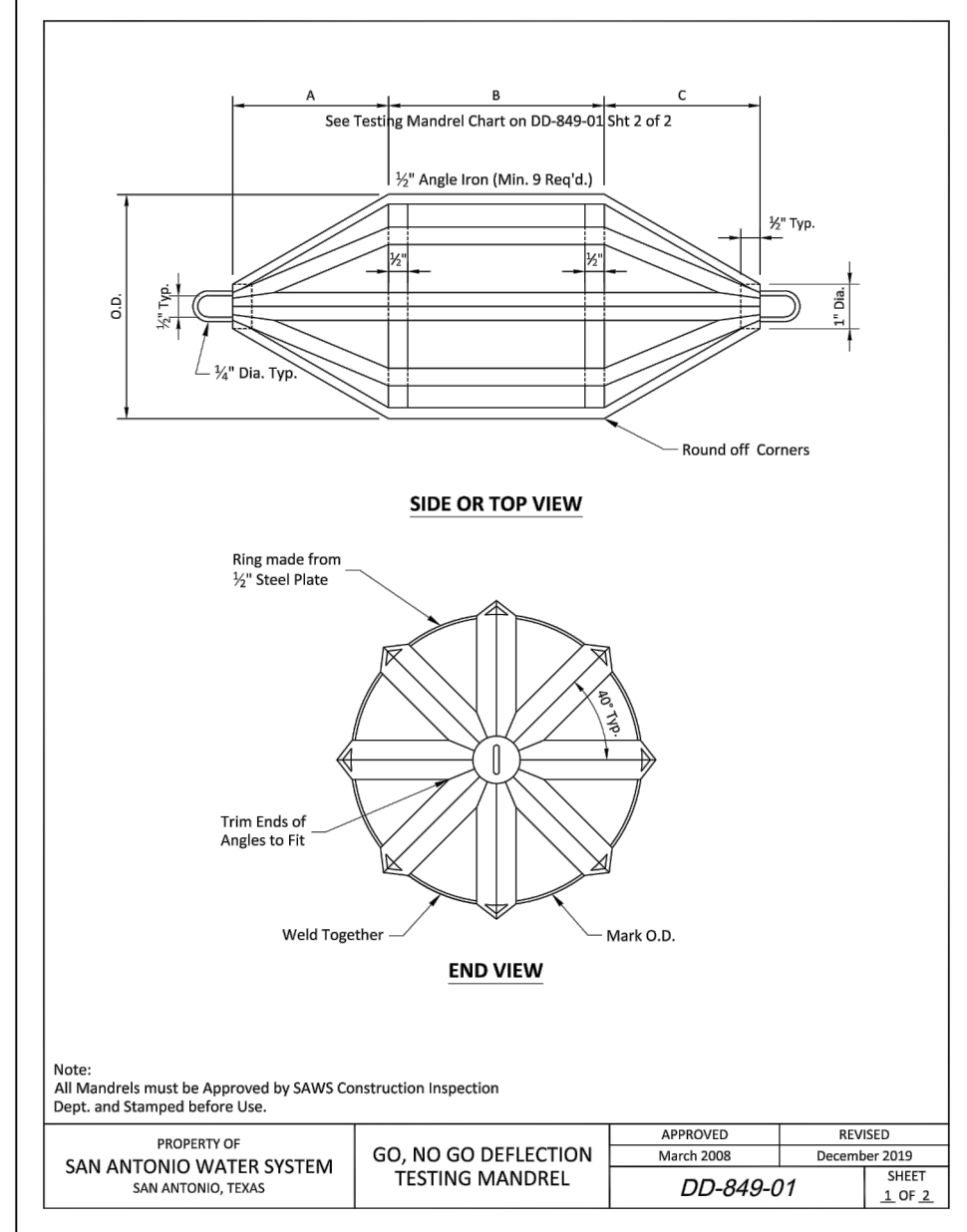
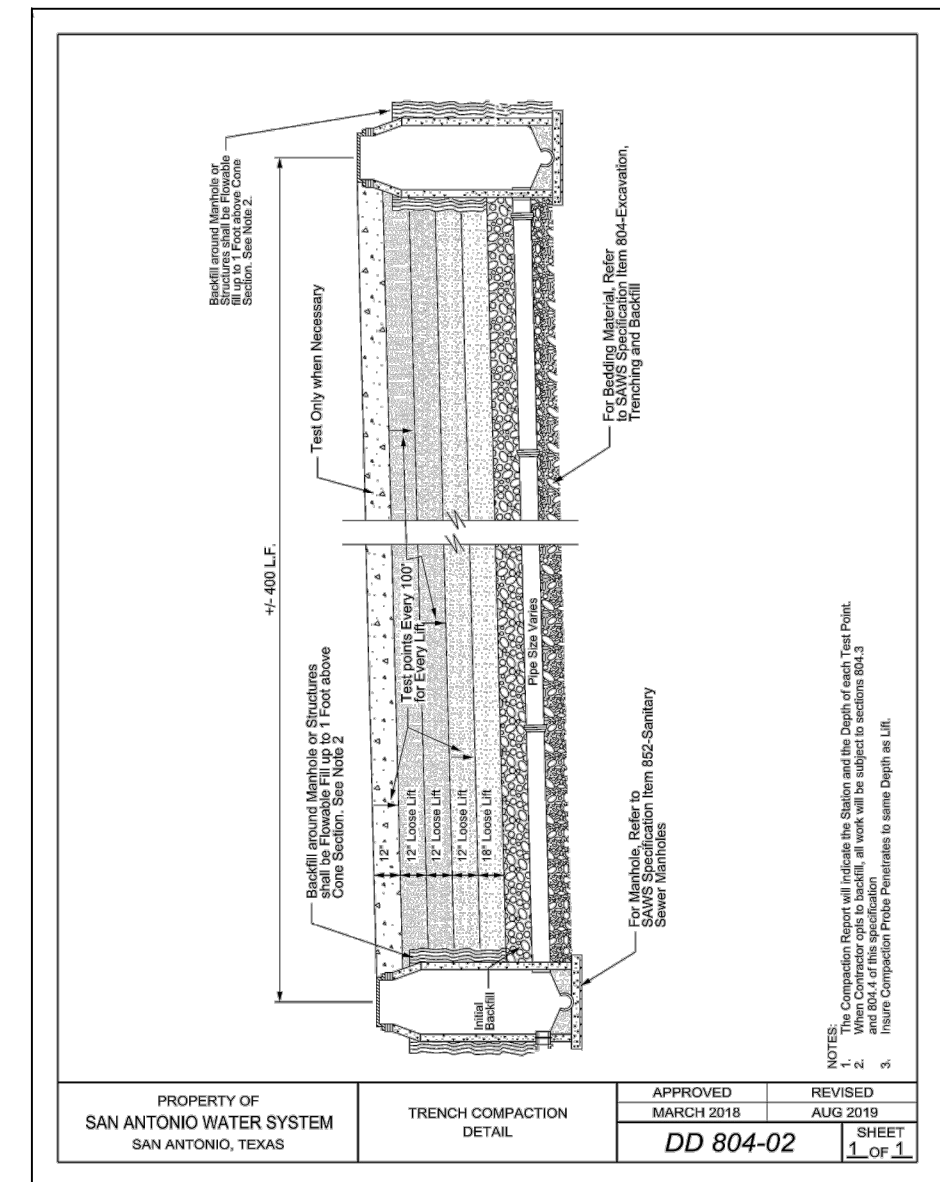
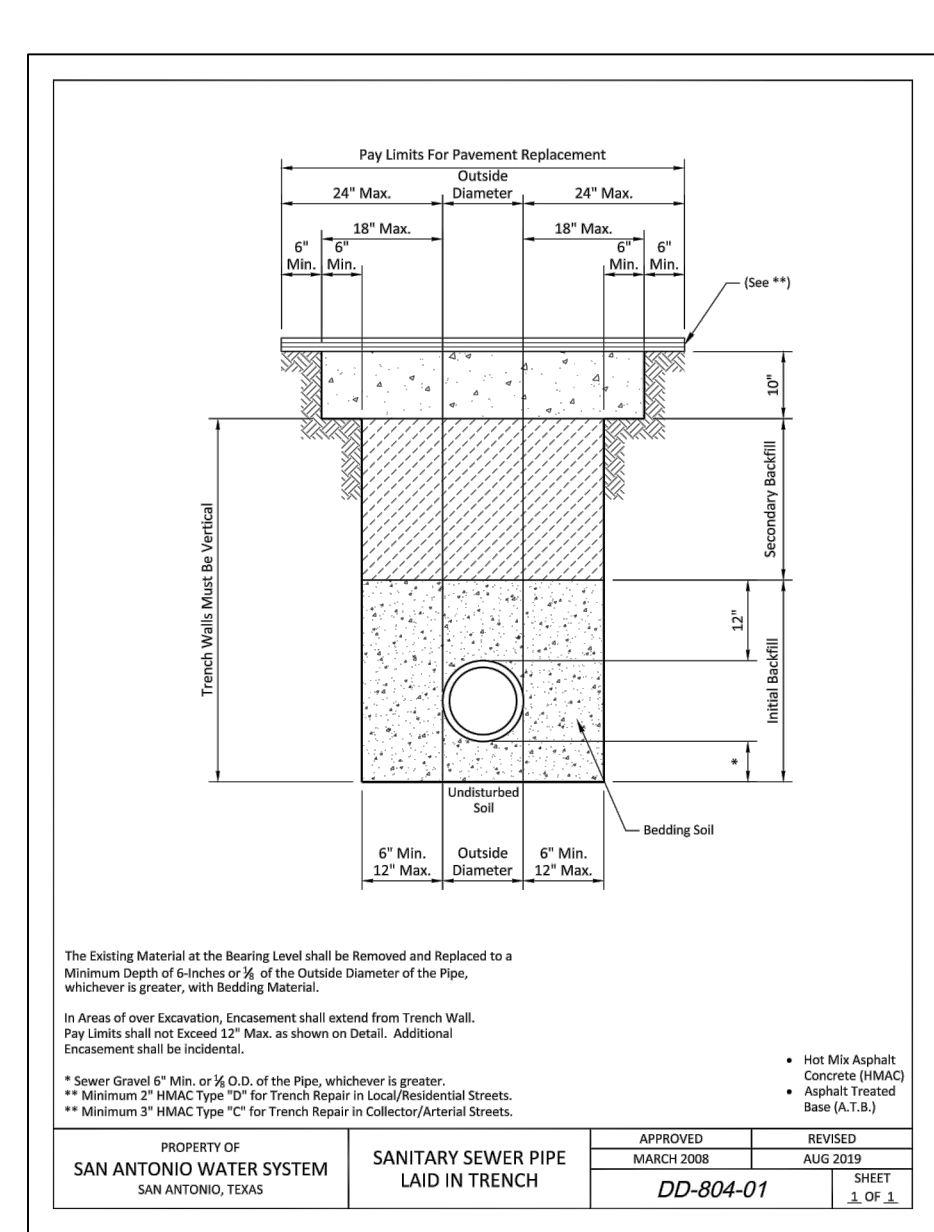
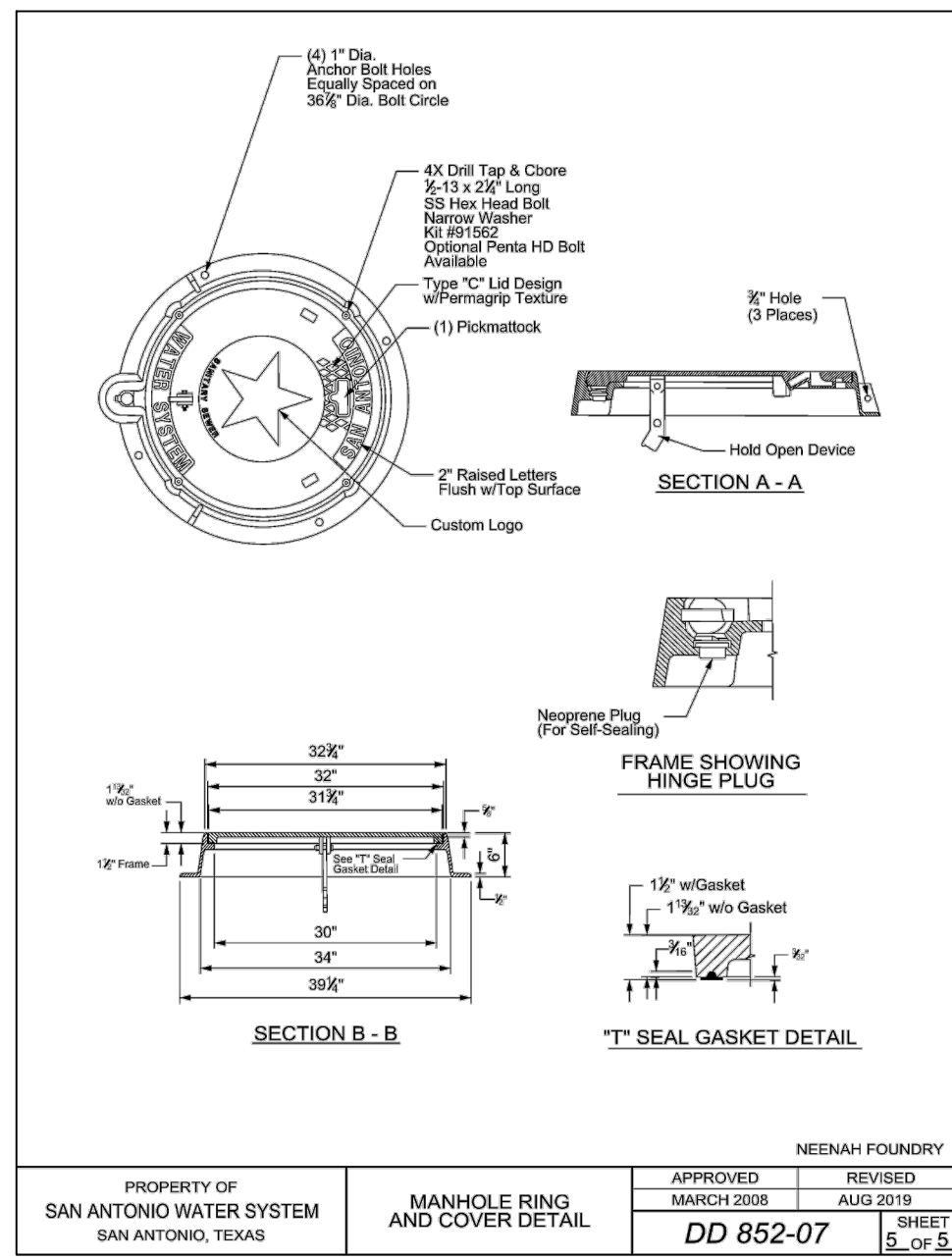
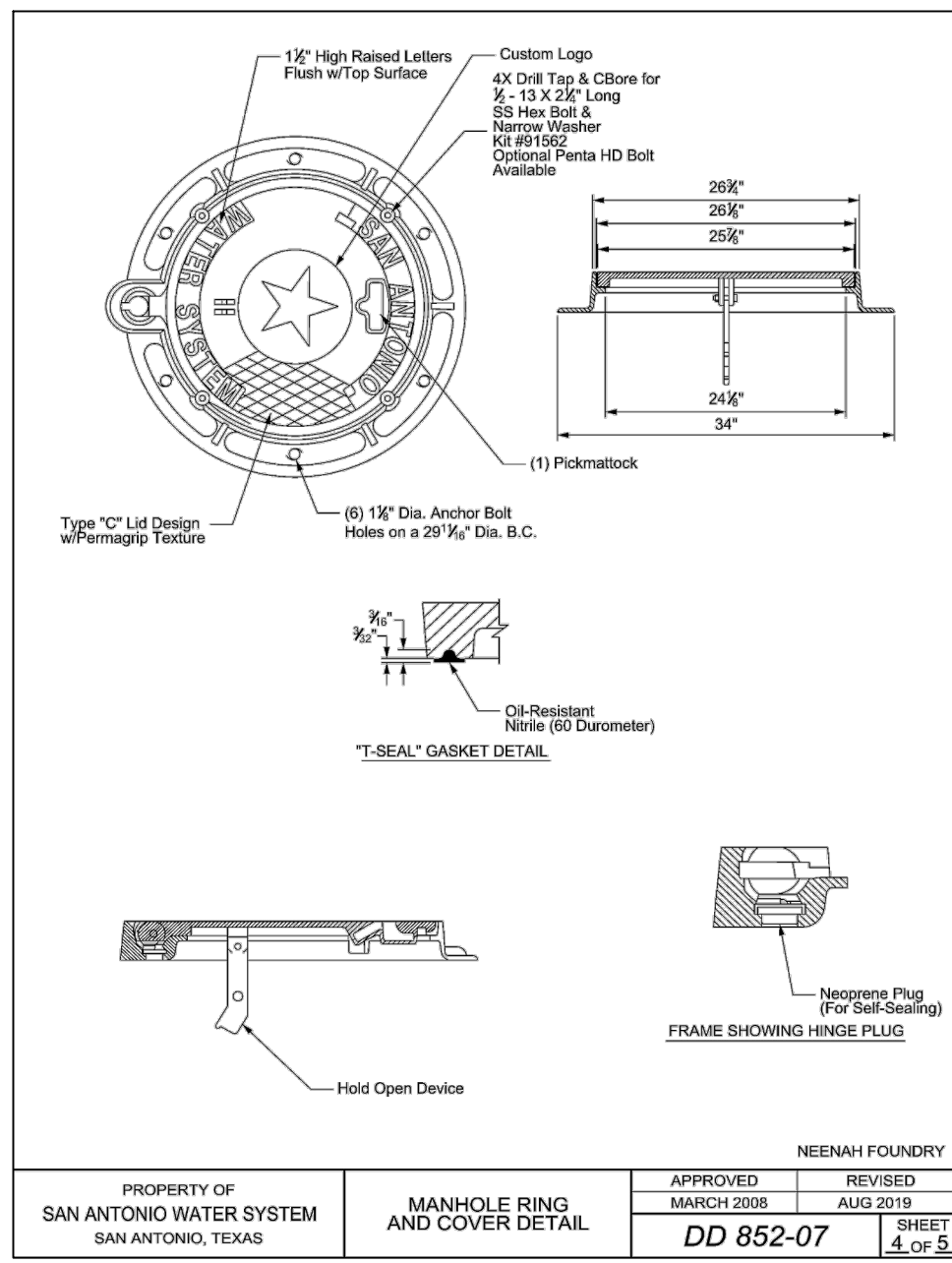
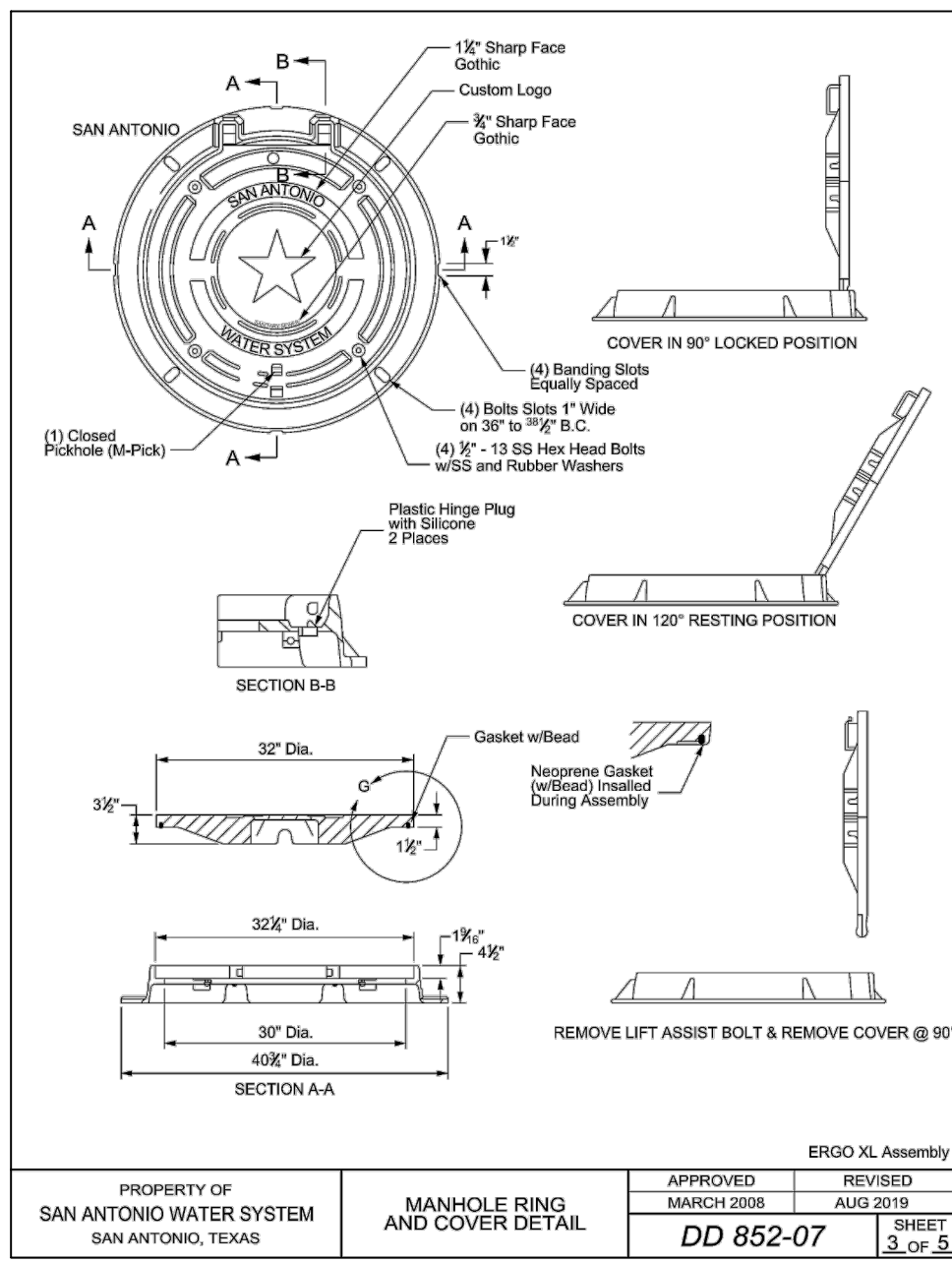
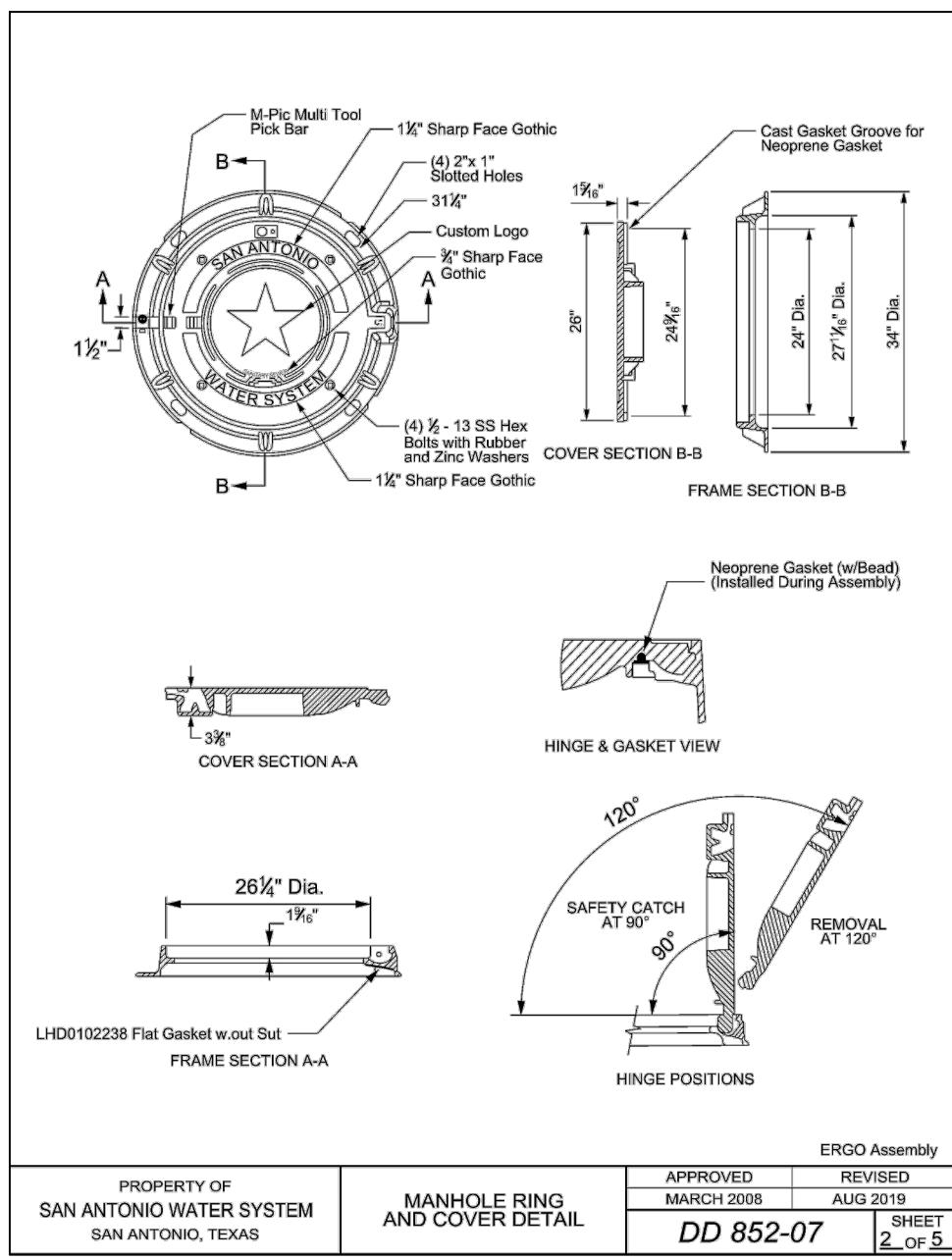
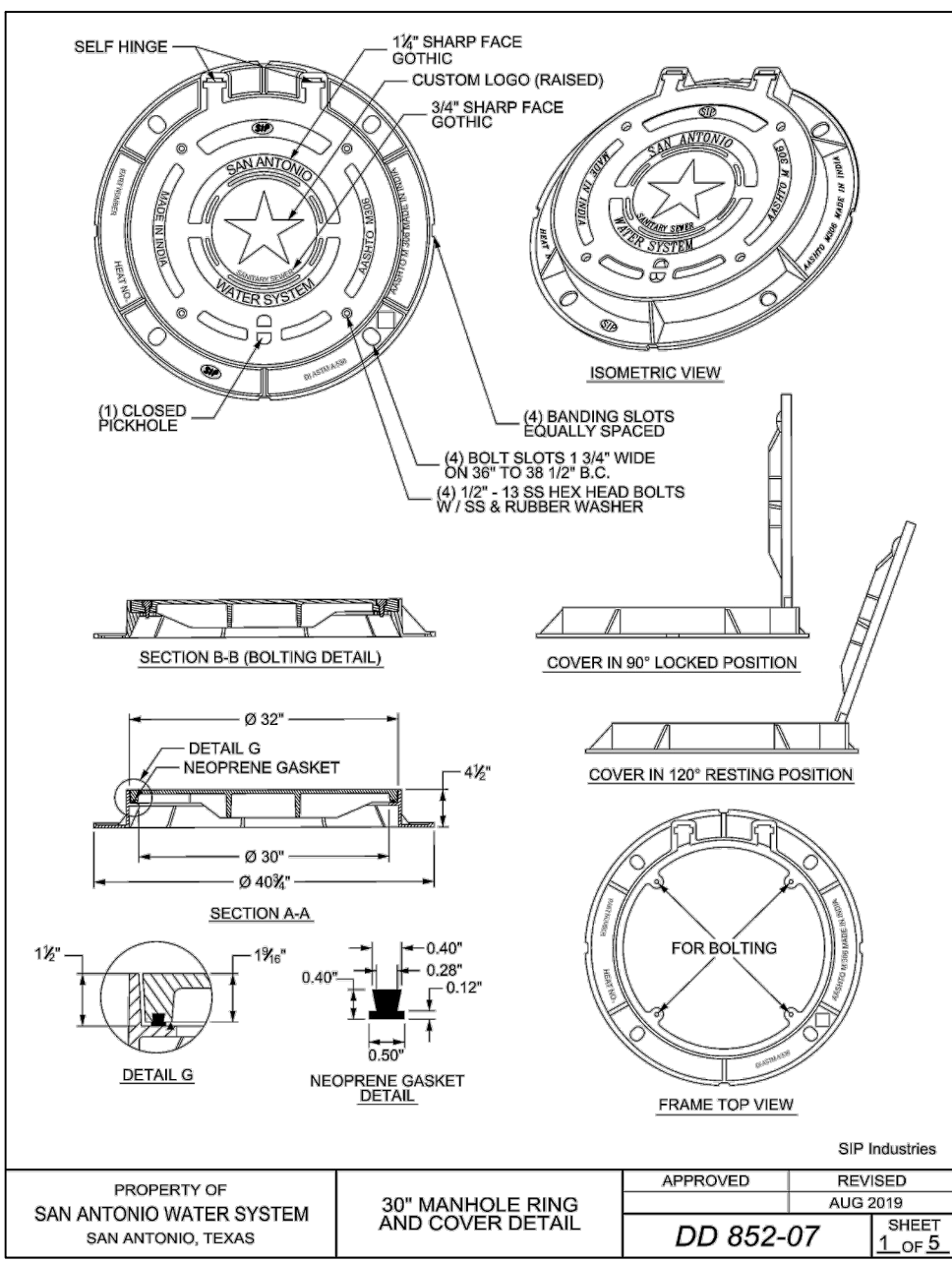
DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.			
ADDRESS: 5419 N LOOP 1604			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78218	
PHONE# (210) 496-2668	FAX# 685588		
SAWS BLOCK MAP# 68560 TOTAL EDU'S 112 TOTAL ACREAGE 21.9			
TOTAL LINEAR FOOTAGE OF PIPE: 8" 3322 LF PLAT NO. 24-11800437			
NUMBER OF LOTS 112 SAWS JOB NO. 24-1650			

**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS

**SANITARY SEWER LINE C AND D PLAN & PROFILE**  
(STA. 1+00.00 TO END)

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	EG
SHEET	C5.05





SEWER

DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.

ADDRESS: 5419 N LOOP 1604

CITY: SAN ANTONIO STATE: TEXAS ZIP: 78218

PHONE: (210) 496-2668 FAX: 88558

SAWS BLOCK MAP: 685560 TOTAL EDU'S: 112 TOTAL ACREAGE: 21.9

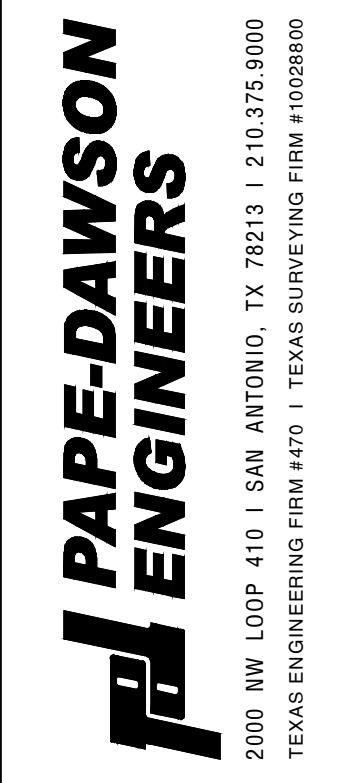
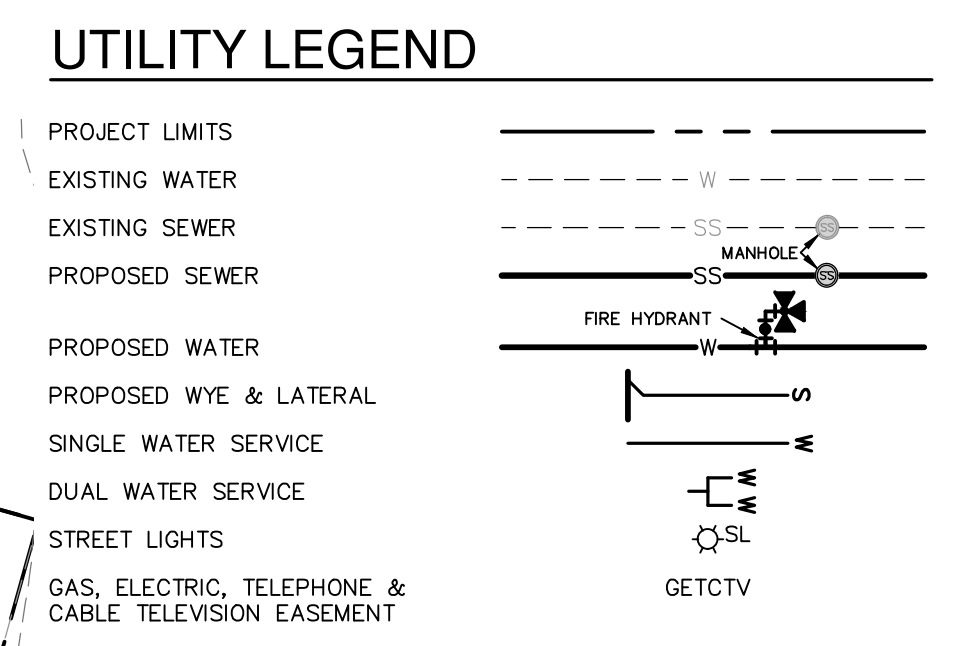
TOTAL LINEAR FOOTAGE OF PIPE: 8" 3322 LF PLAT NO: 24-11800437

NUMBER OF LOTS: 112 SAWS JOB NO: 24-1650







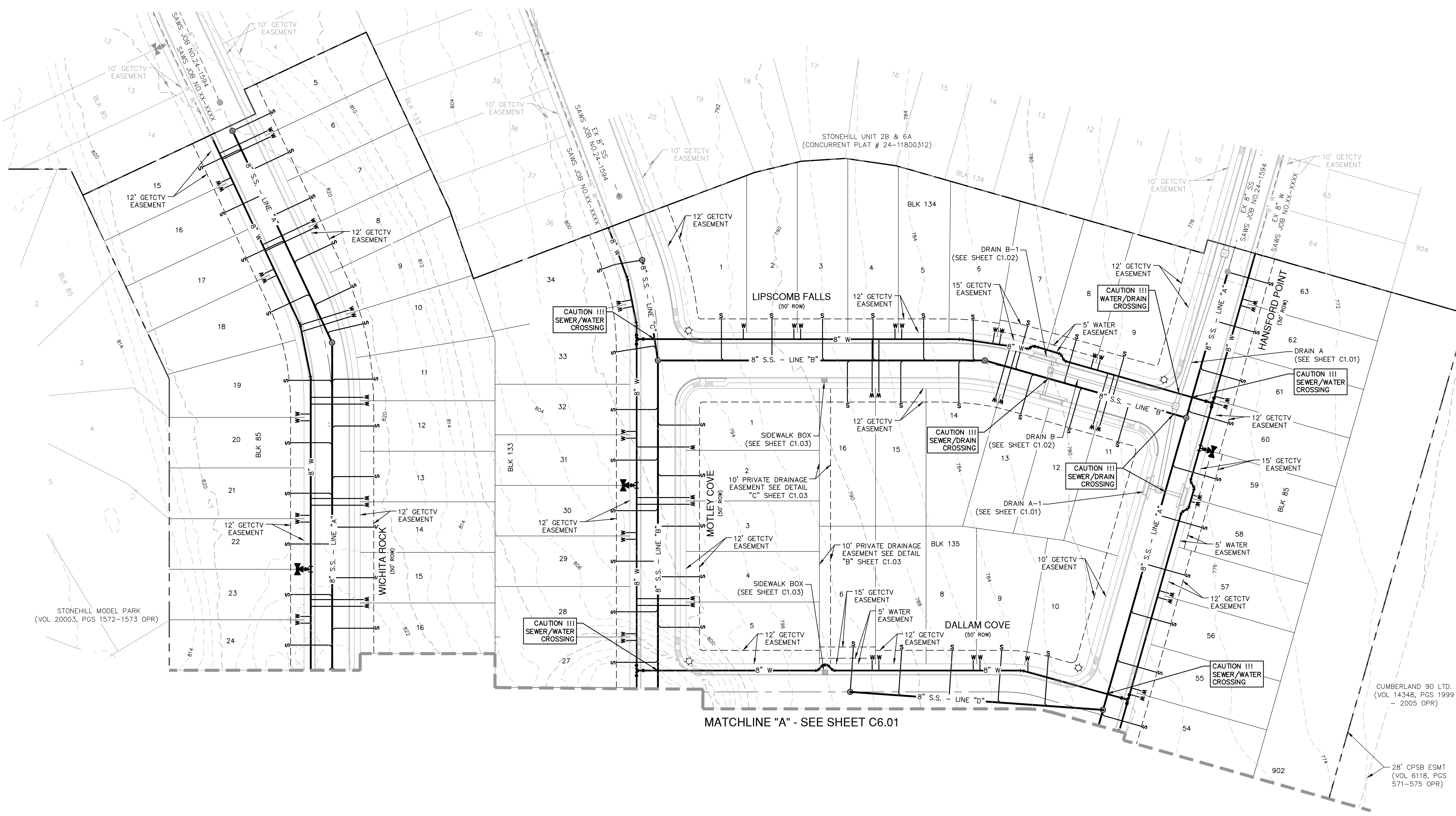


**STONEHILL UNITS 6B & 8**  
**SAN ANTONIO, TEXAS**

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**OVERALL UTILITY PLAN**

PLAT NO. 24-1180043  
JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER CB  
CHECKED BL DRAWN EG  
SHEET C6.00



## CONDUIT NOTES:

1. CONTRACTOR SHALL INSTALL PERMANENT MARKERS IN PROPOSED CURBS WHERE CONDUITS CROSS THE ROADWAY (BOTH SIDES).
2. CONDUITS SHALL BE PVC WITH MINIMUM BURY OF 36 INCHES UNDO PROPOSED FINISHED GRADE. SCHEDULE 80 TO BE USED FOR OPS CONDUITS, ALL OTHER CONDUITS ARE SCHEDULE 40.
3. ALL CONDUITS SHALL BE EXTENDED BEHIND CURBS OR PROPOSED SIDEWALKS A MINIMUM OF 3 FEET AND CAPPED FOR FUTURE USE.
4. ALL CONDUIT SLEEVES TO BE USED FOR ELECTRIC, GAS, OR TELECOMMUNICATION UTILITY CROSSINGS SHALL BE INSTALLED TO MEET OR EXCEED DESIGN REQUIREMENTS FOR THE UTILITY AGENCY WHICH PROVIDES THE SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH PLACEMENT, AND PROXIMITY TO OTHER UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING AND INSTALLING THE CONDUIT SLEEVES TO MEET THESE SPECIFICATIONS INCLUDING COORDINATING WITH THE UTILITY AGENCY FOR ANY REQUIRED INSPECTIONS

## **TRENCH EXCAVATION SAFETY PROTECTION:**

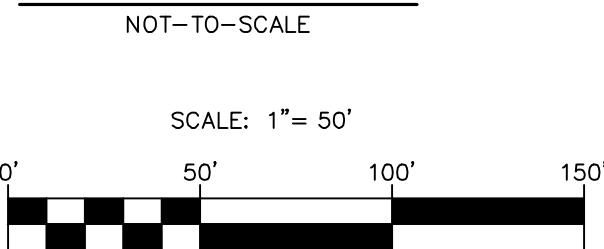
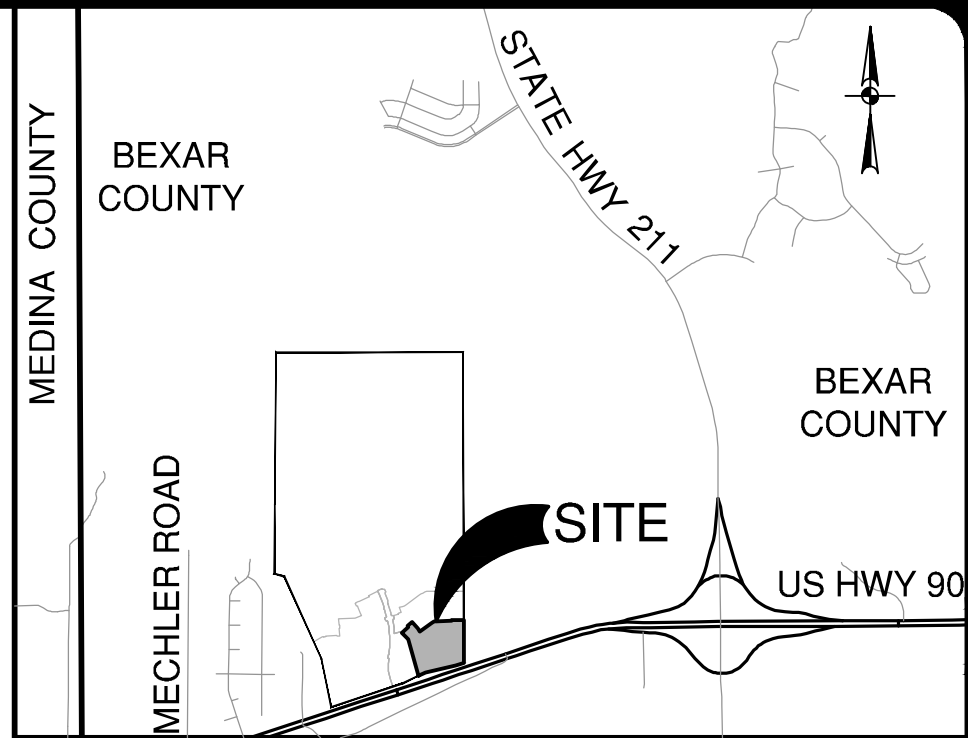
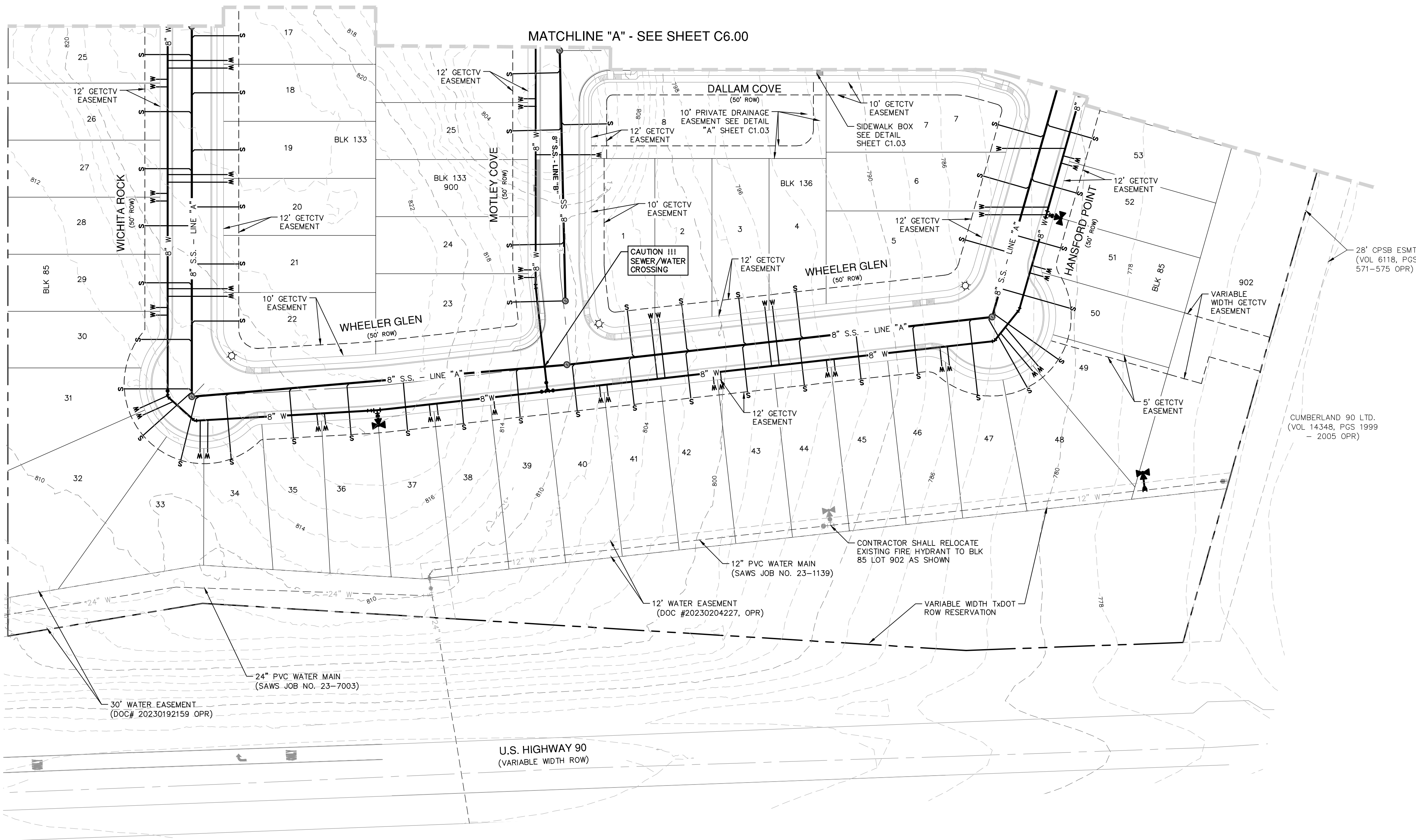
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND, IN ACCORDANCE WITH OSHA STANDARDS, DEVELOP A PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S 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 EMPLOYMENT 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, LIGHTING, ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ARCHITECT 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 CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.



STONEHILL MODEL PARK  
(VOL. 20003, PGS 1572-1573 OPR)



#### UTILITY LEGEND

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

#### CONDUIT NOTES:

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

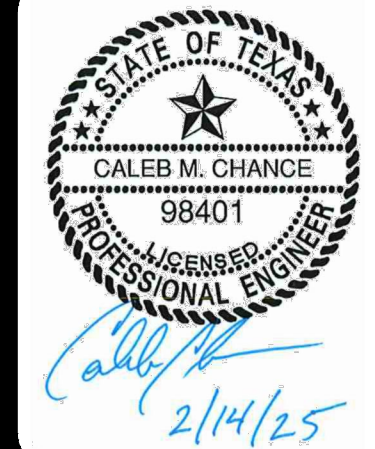
#### TRENCH EXCAVATION SAFETY PROTECTION:

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

#### CAUTION!!

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

NO.	REVISION	DATE



**PAPE-DAWSON ENGINEERS**  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

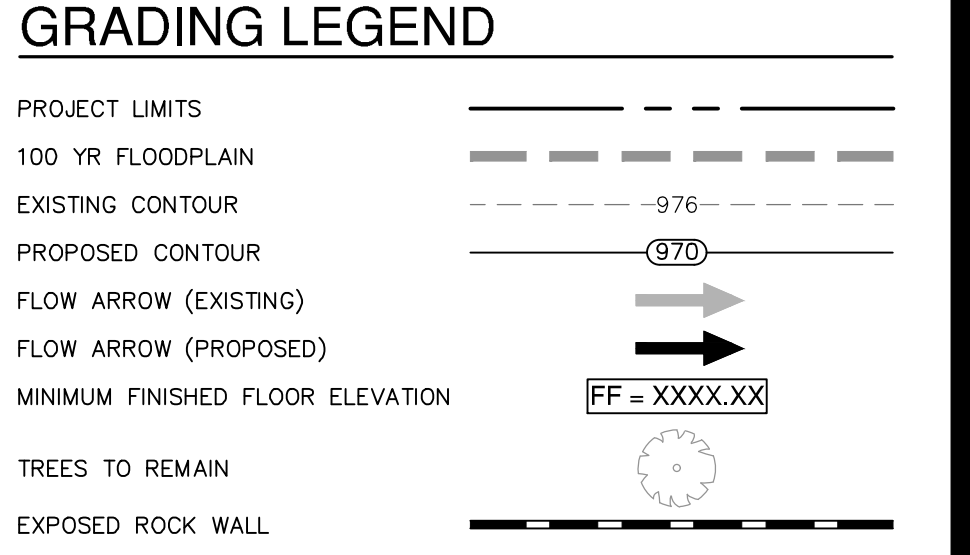
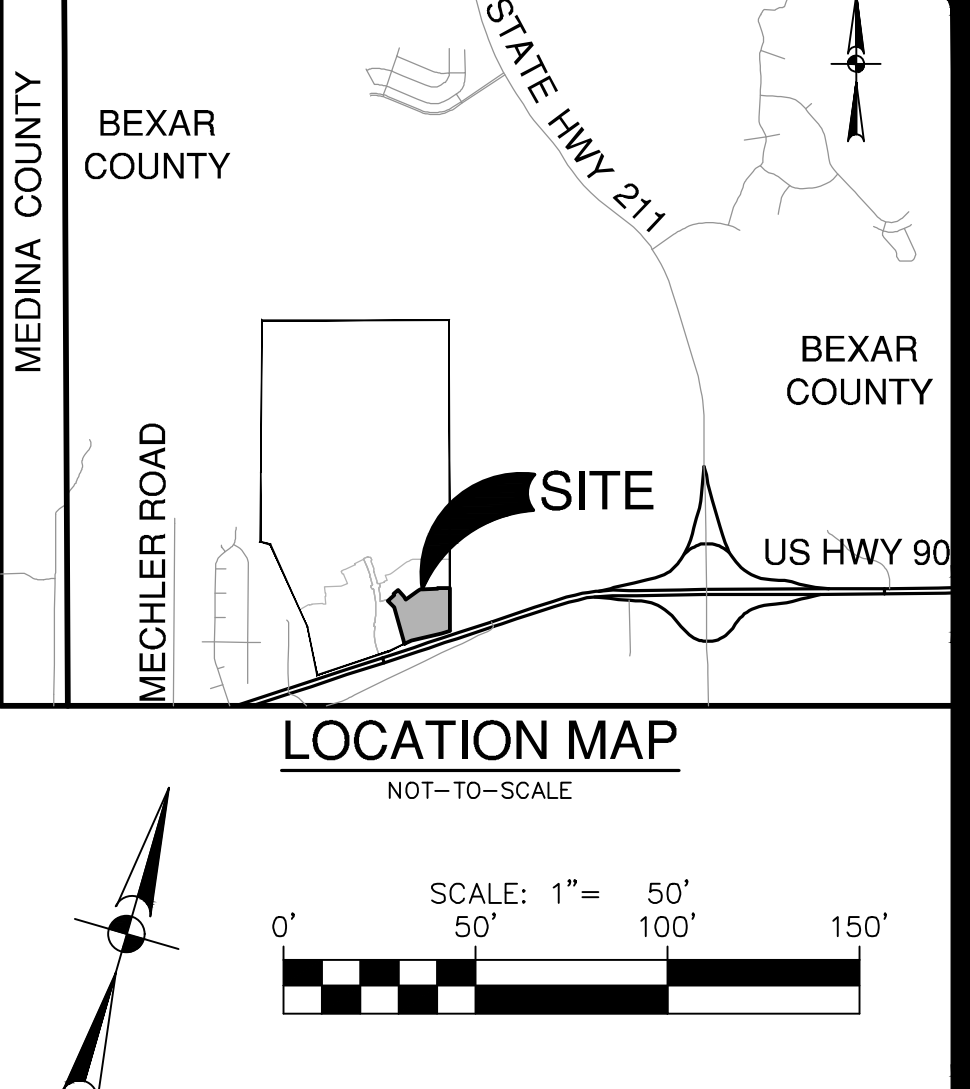
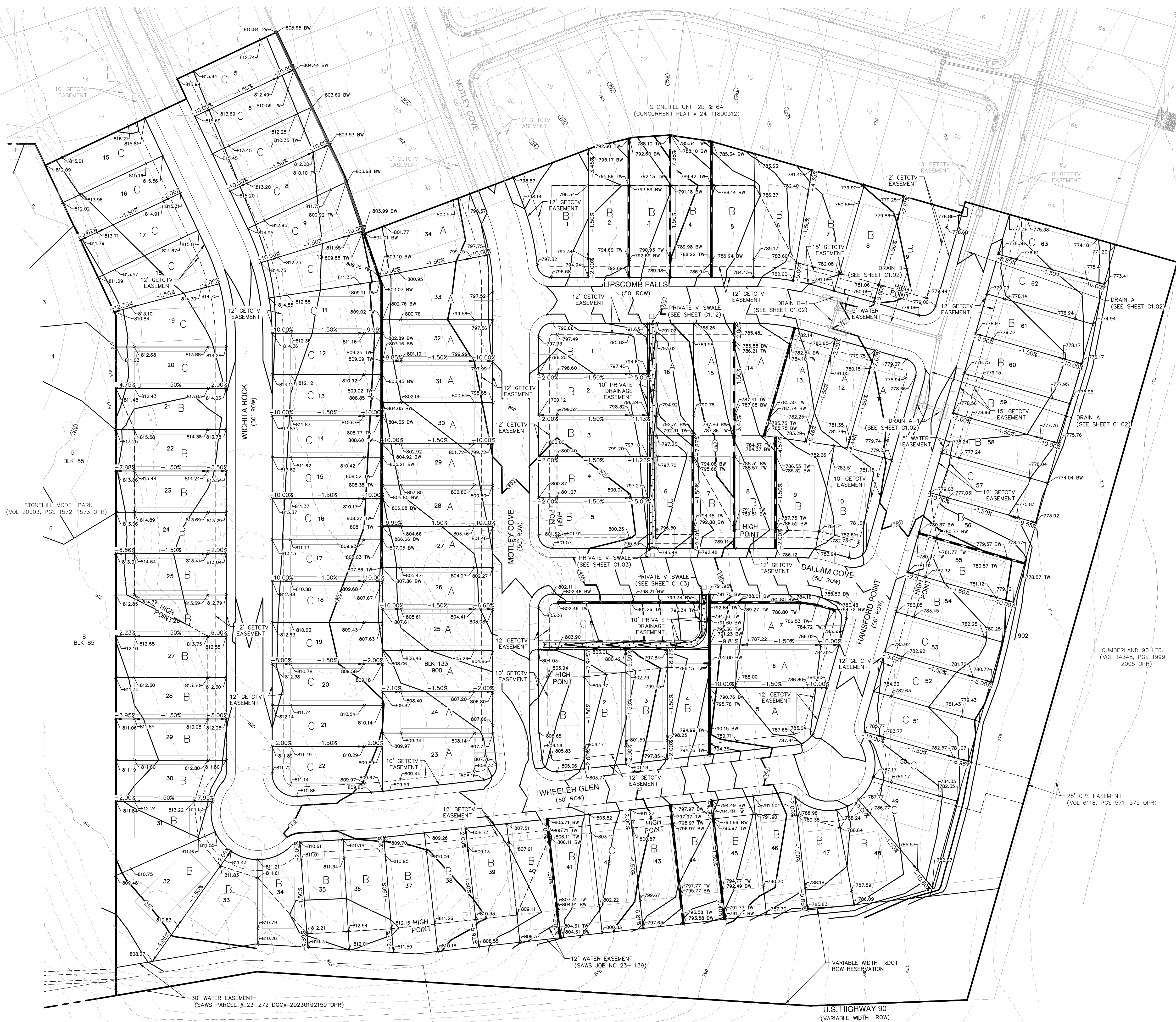
**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS  
OVERALL UTILITY PLAN

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	EG
SHEET	C6.01



Date: May 30, 2025, 3:59pm User: D:\Users\...  
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**STONEHILL UNITS 6B & 8**  
SAN ANTONIO, TEXAS  
OVERALL GRADING PLAN

**PAPE-DAWSON ENGINEERS**  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008900

**STATE OF TEXAS**  
BROOKE LINDHOLM  
LICENSED PROFESSIONAL ENGINEER  
117104  
Ink 5/1/25

DATE	NO.	REVISION

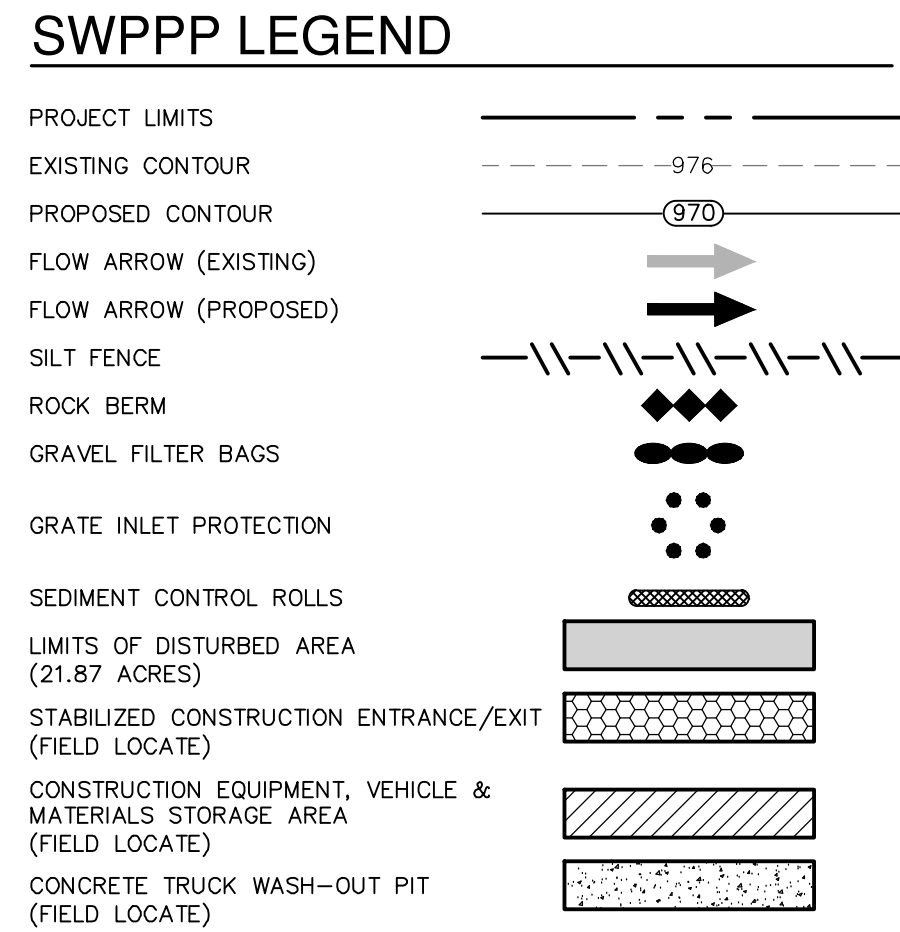
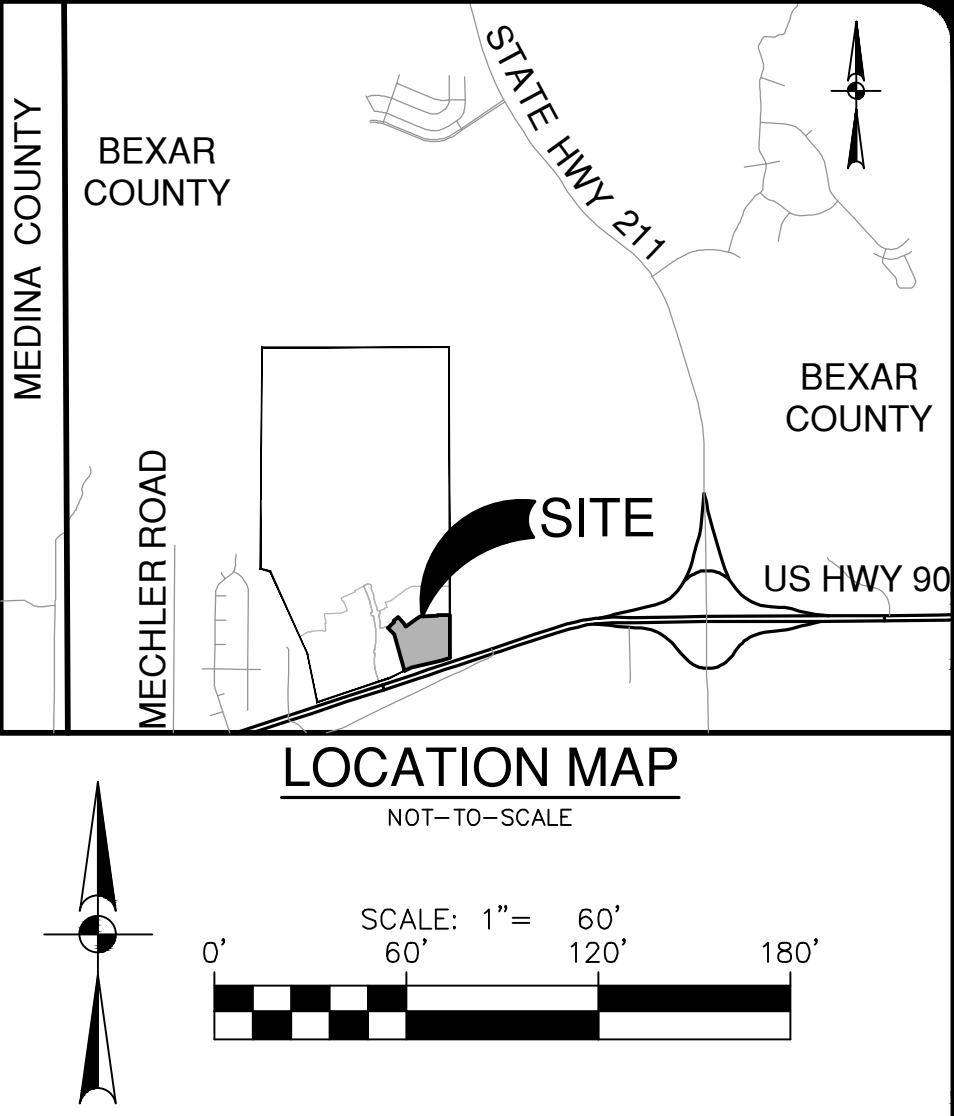
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JOB NO. 12456-14  
DATE NOVEMBER 2024  
DESIGNER RG  
CHECKED BL DRAWN RG  
SHEET C7.00



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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.
  - AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
  - BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADE AREAS.
  - BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
  - UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
  - WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS, OTHERWISE CONTRACTOR SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP.
  - SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION 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 "XDOT 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.
  - A BEXAR COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN ANY BEXAR COUNTY ROW.

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

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

EXHIBIT 2

DATE

NO. REVISION

STATE OF TEXAS  
CALEB M. CHANCE  
98401  
LICENSED PROFESSIONAL ENGINEER  
1/15/25

**PAPE-DAWSON  
ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

STONEHILL UNITS 6B & 8  
SAN ANTONIO, TEXAS

STORM WATER POLLUTION PREVENTION PLAN

PLAT NO. 24-11800437

JOB NO. 12456-14

DATE NOVEMBER 2024

DRAWN CB

CHECKED BL

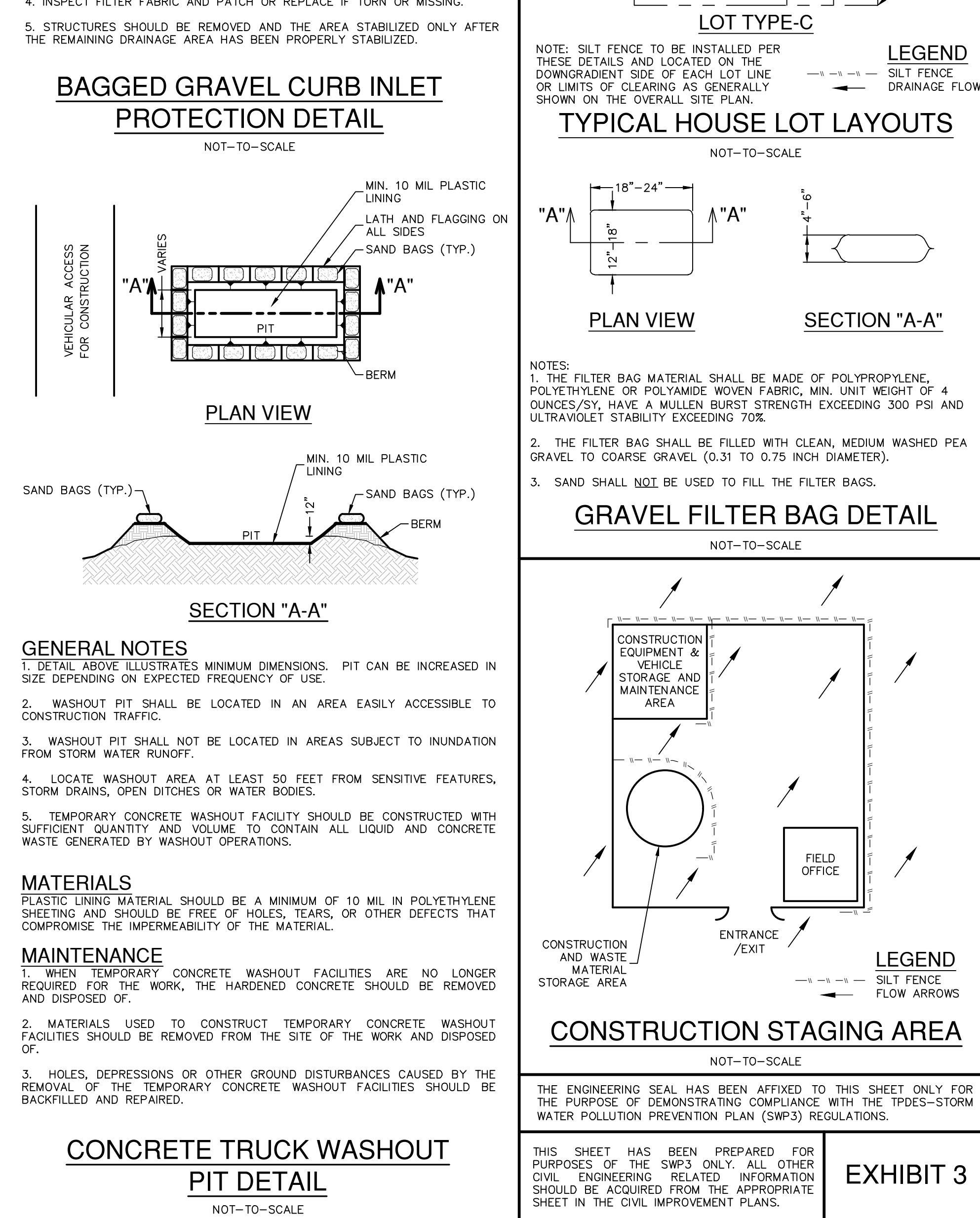
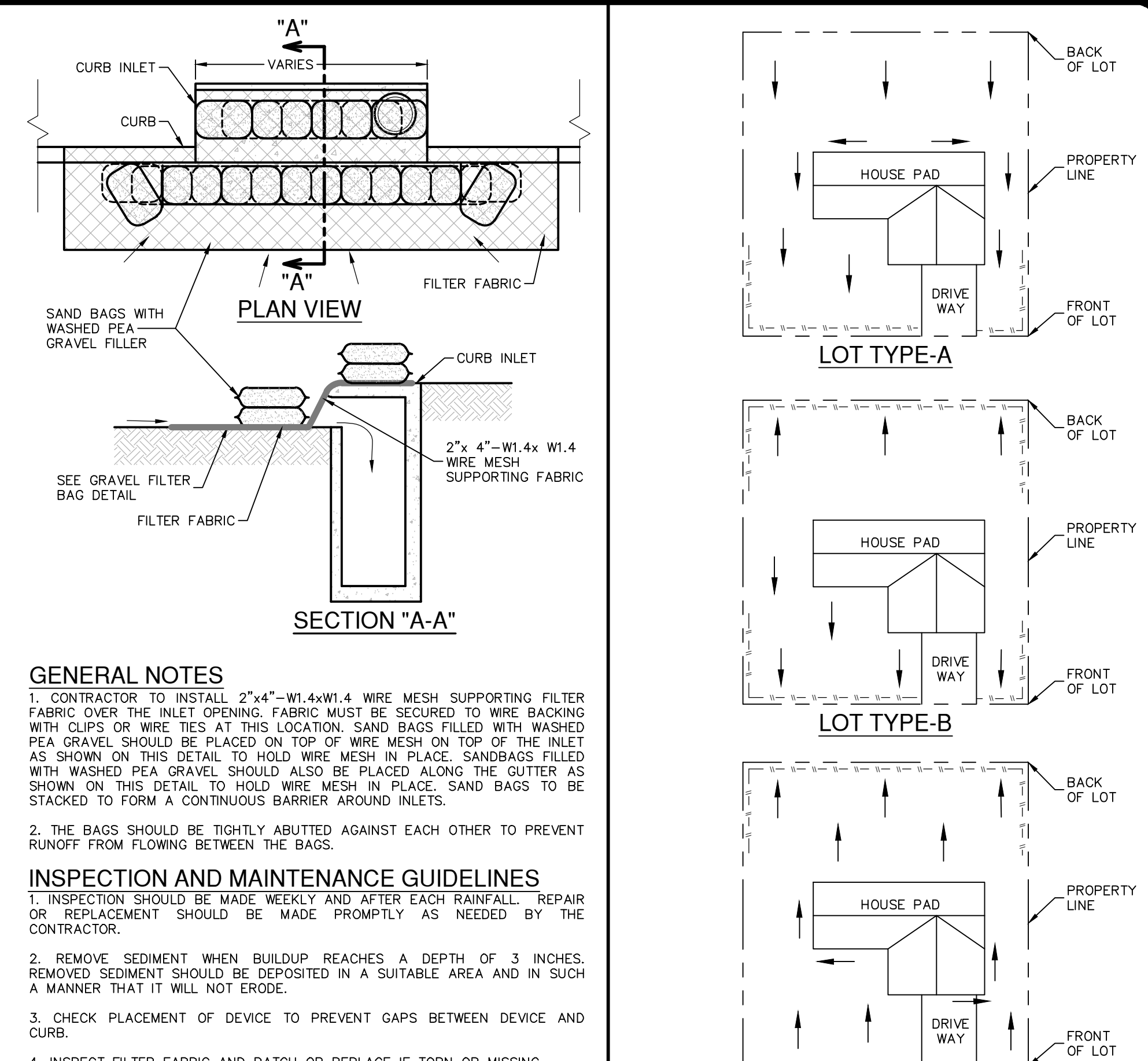
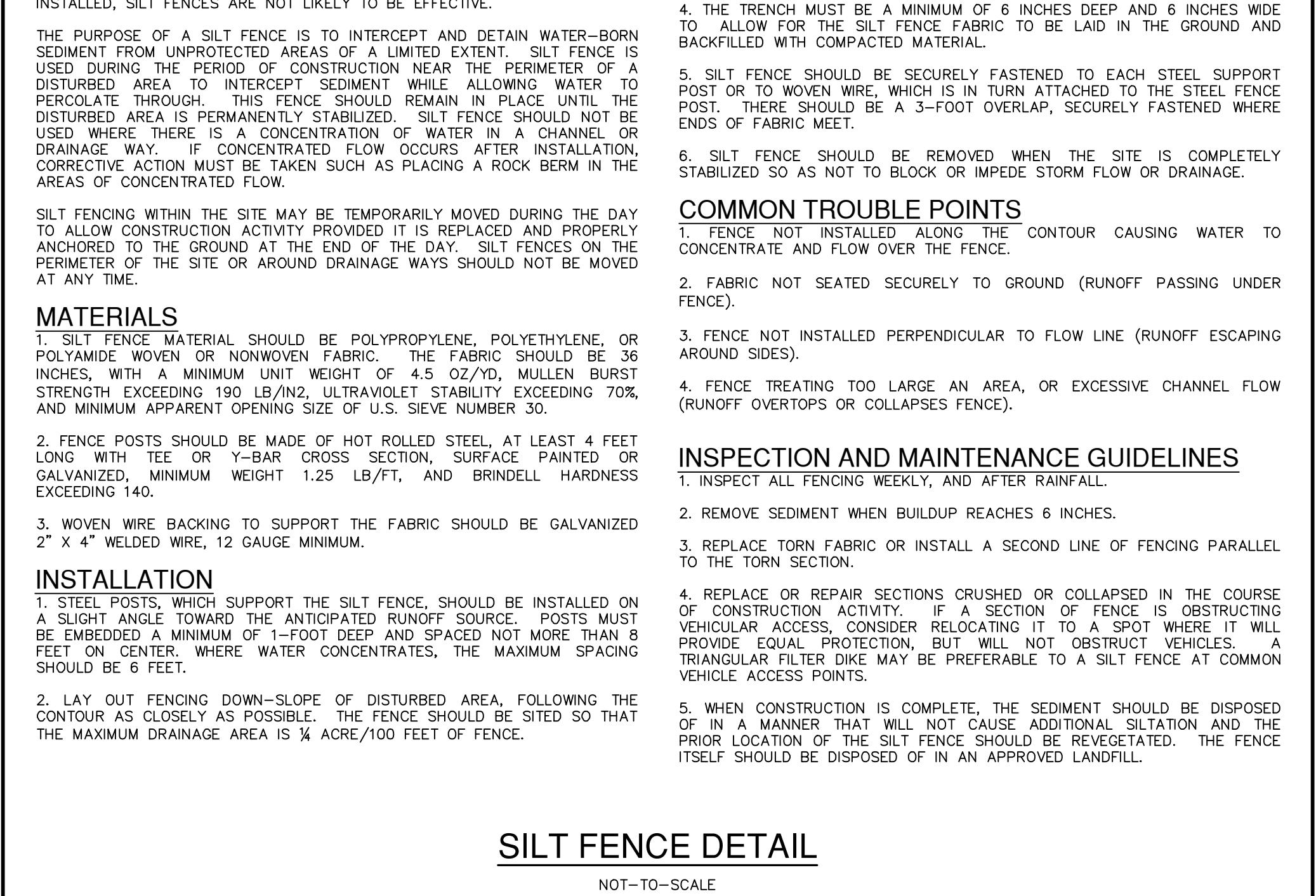
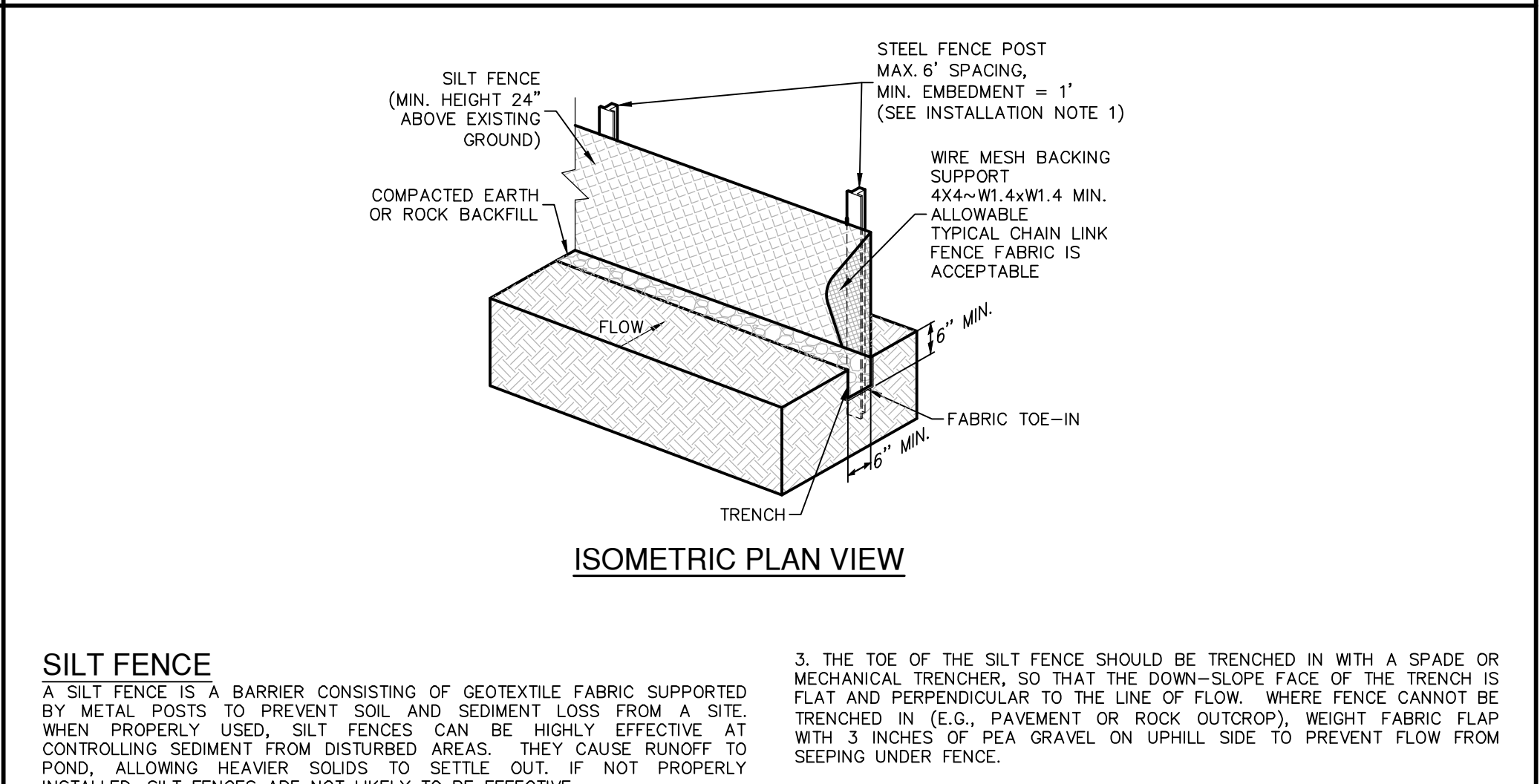
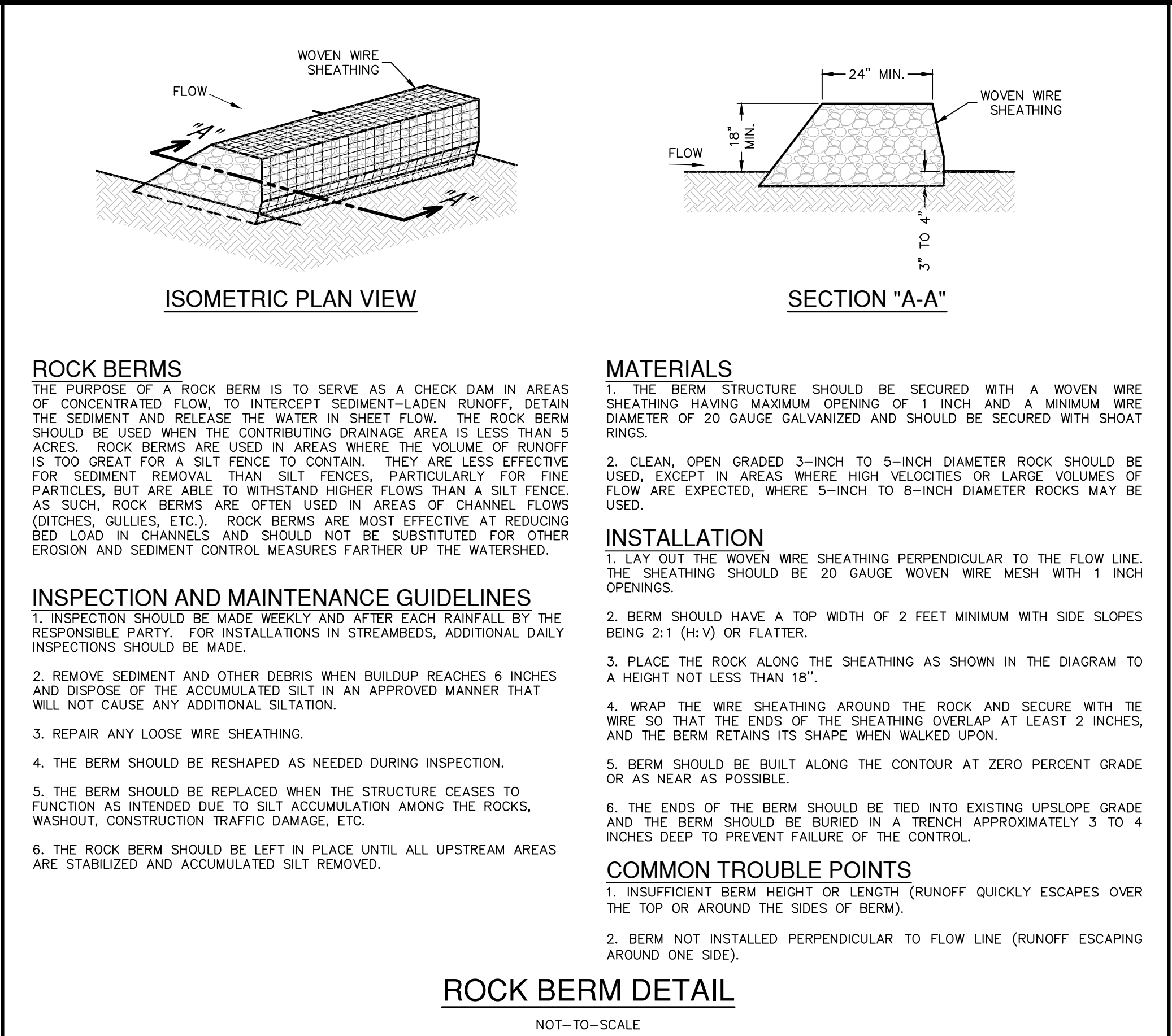
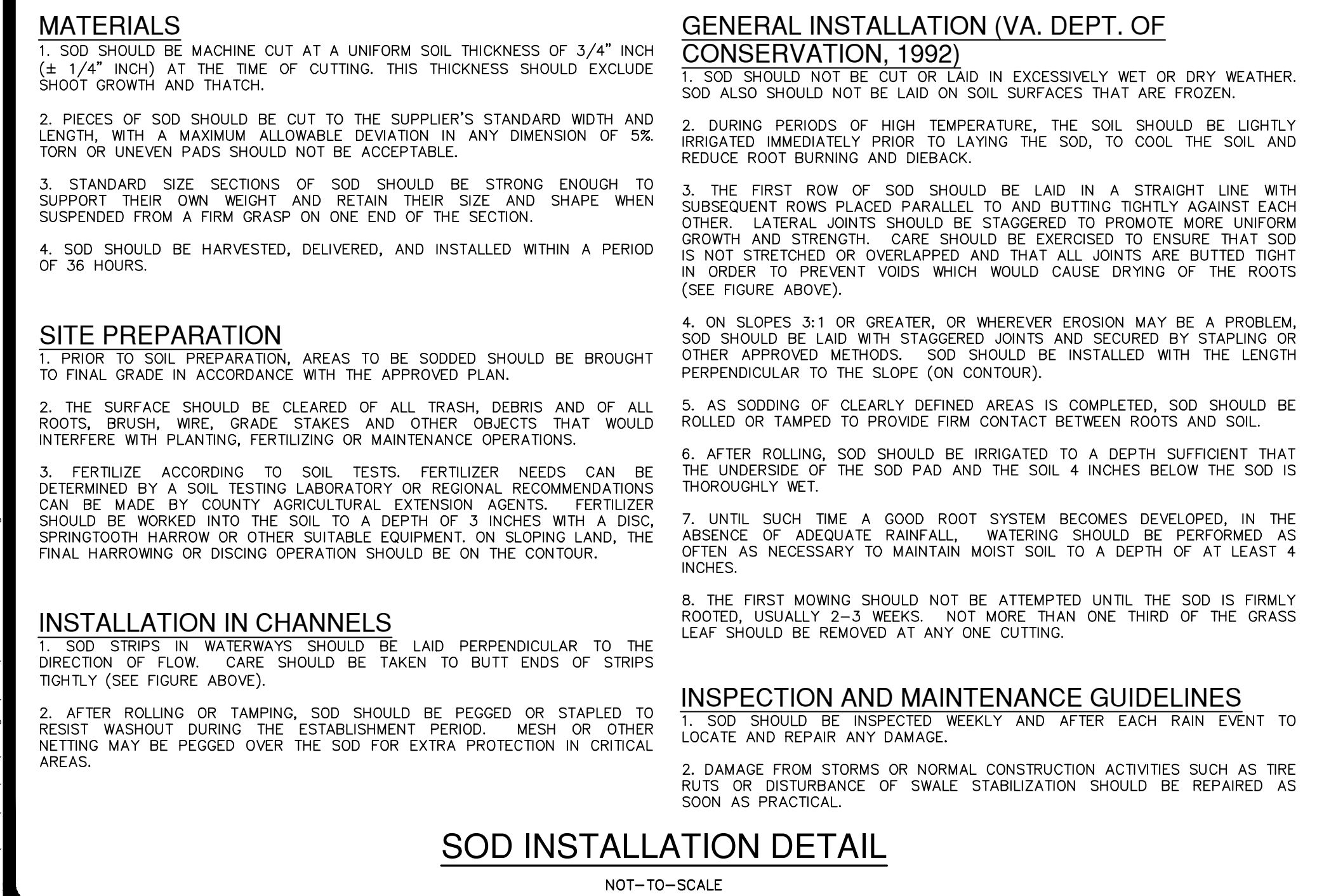
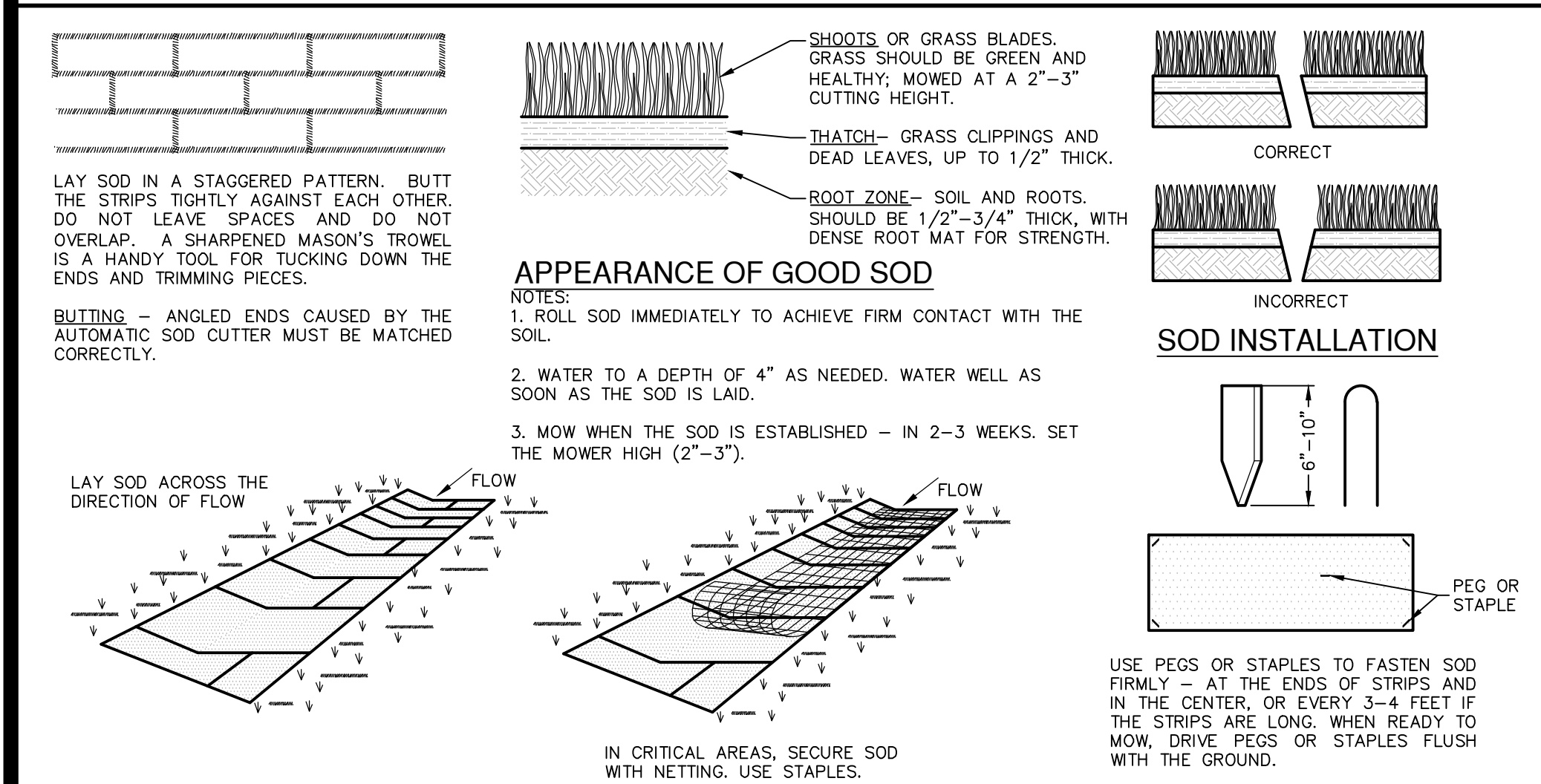
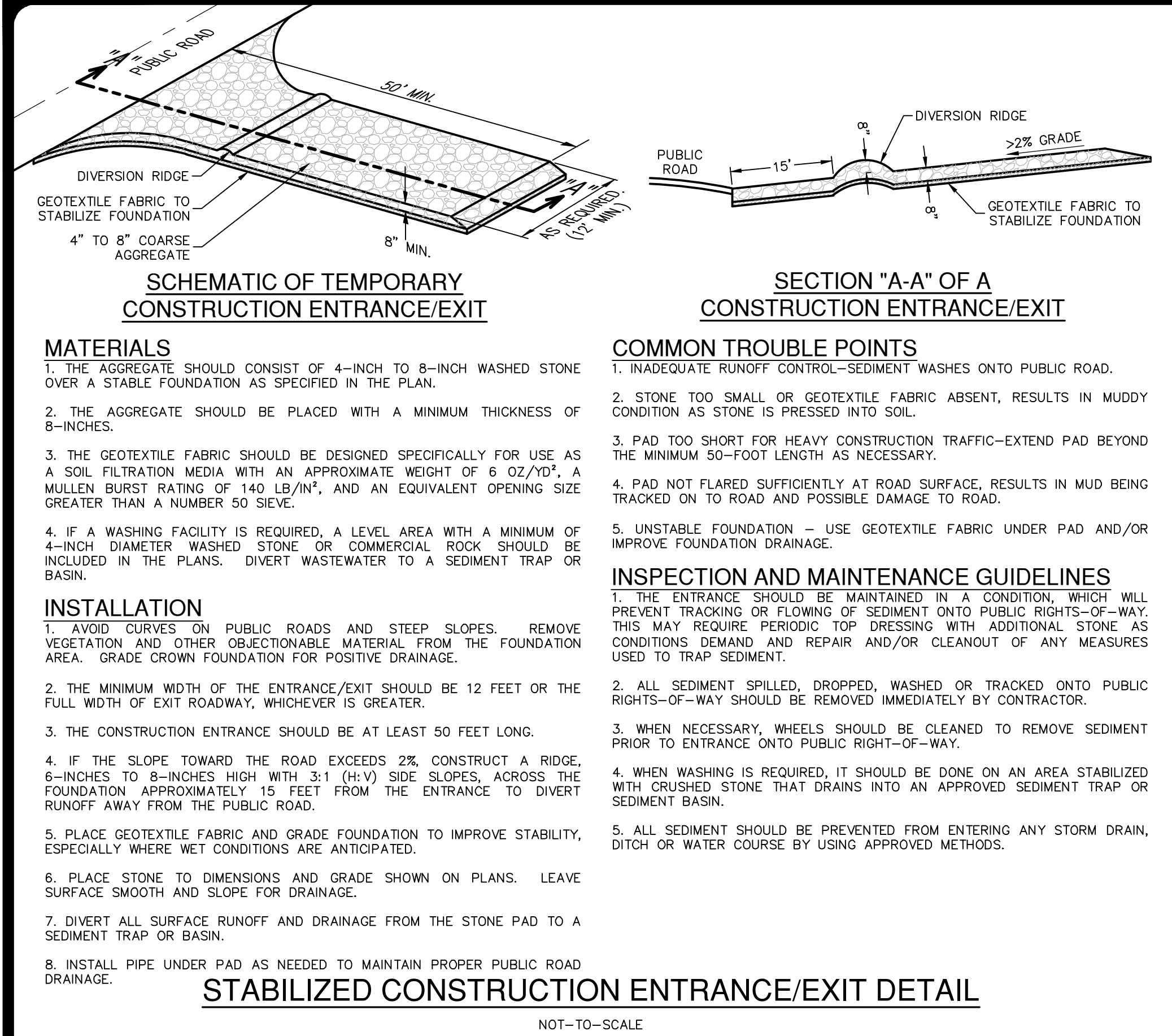
DESIGNED CB

SHEET C8.00



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NO.	REVISION	DATE

**PAPE-DAWSON ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

**STONEHILL UNITS 6B & 8**

SAN ANTONIO, TEXAS

**STORM WATER POLLUTION PREVENTION PLAN DETAILS**

PLAT NO.	24-11800437
JOB NO.	12456-14
DATE	NOVEMBER 2024
DESIGNER	CB
CHECKED	BL
DRAWN	KC
SHEET	C8.10