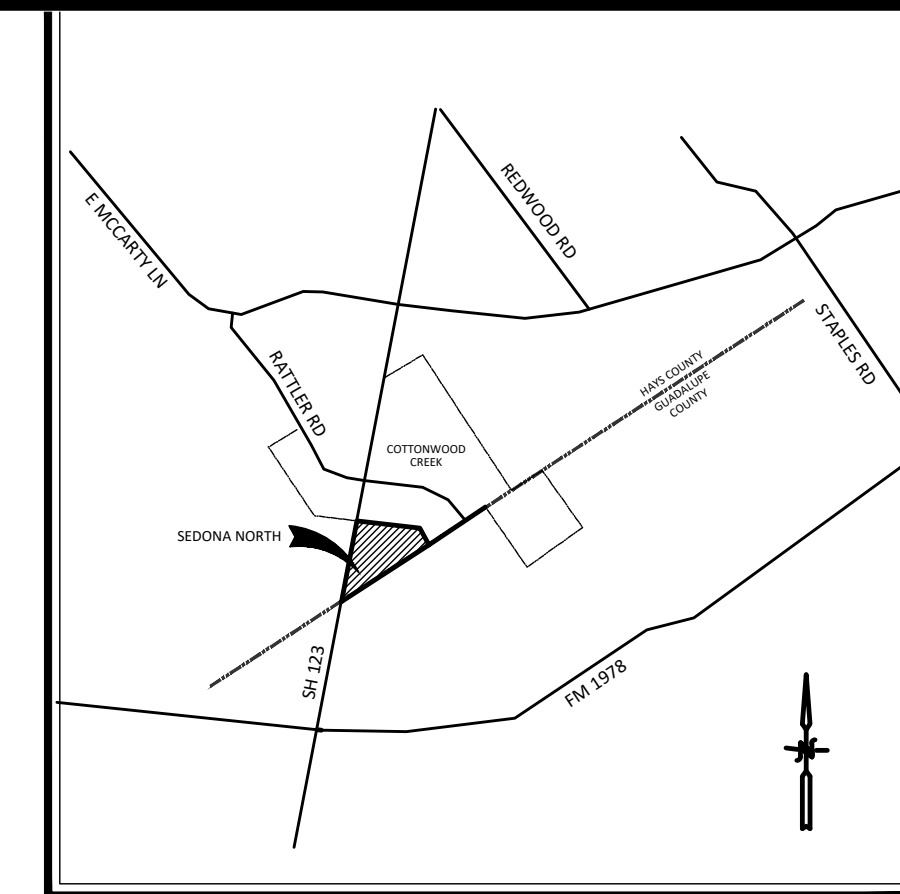


SEDONA NORTH SUBDIVISION

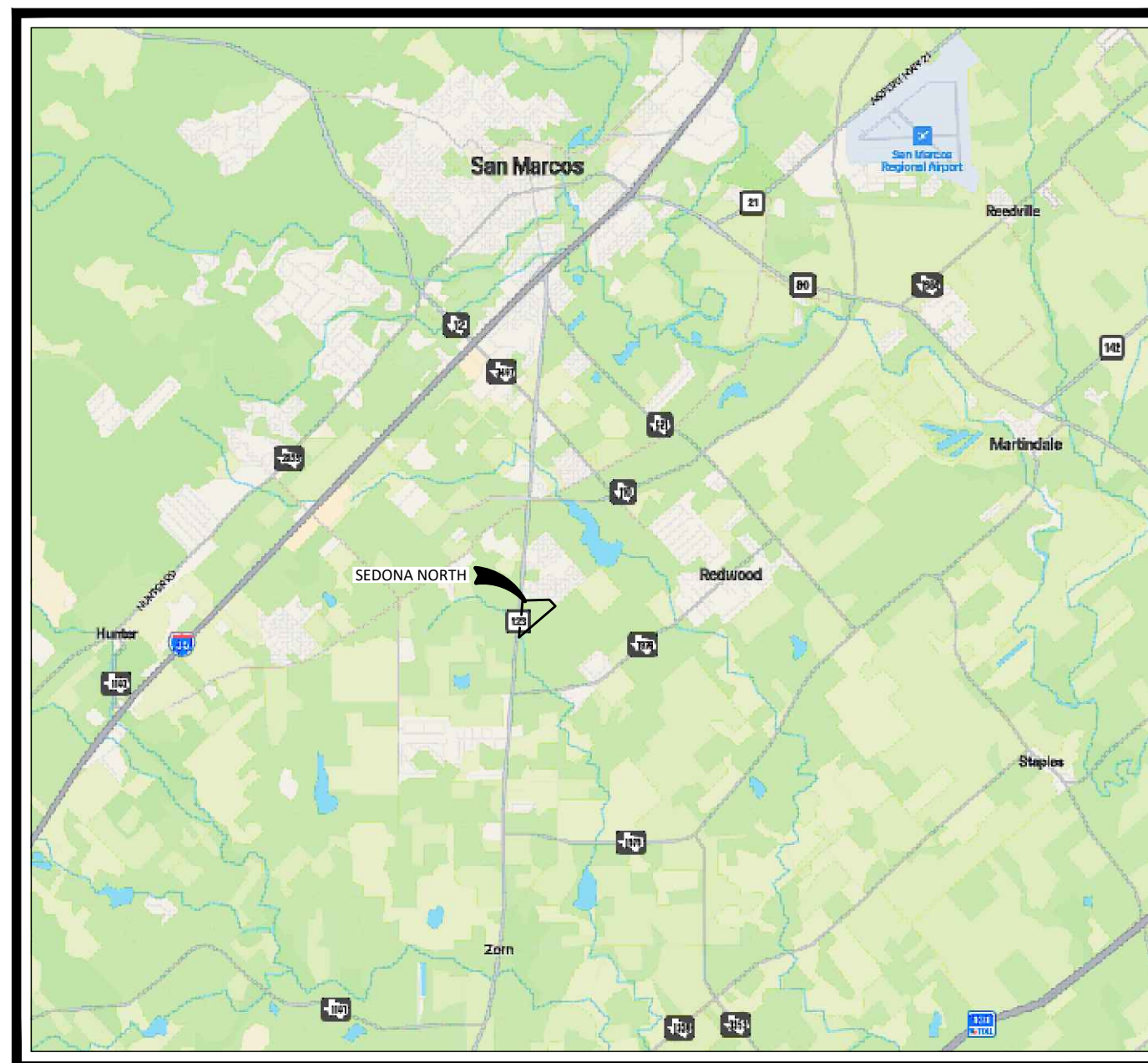
SAN MARCOS, TEXAS

TXDOT DRIVEWAY CONNECTION PLANS

TXDOT PERMIT NO. _____



LOCATION MAP



LOCATION MAP

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	DRIVEWAY LOCATION PLAN
3	SIGHT DISTANCE PLAN
4	EXISTING DRAINAGE AREA MAP
5	PROPOSED DRAINAGE AREA MAP
6	DRIVEWAY PLAN
7	CULVERT PLAN & PROFILE
8	DRIVEWAY DETAILS
9	PAVEMENT MARKING DETAILS
10	TRAFFIC CONTROL & SW3P DETAILS
11	DRAINAGE DETAILS

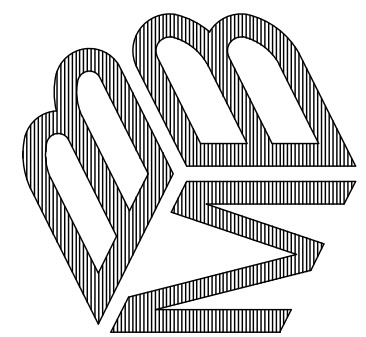
TXDOT DRAINAGE NOTE:

DRAINAGE FOR THIS DEVELOPMENT HAS BEEN DESIGNED SUCH THAT THERE WILL BE NO ADVERSE IMPACTS ON THE CAPACITY, FUNCTION OR INTEGRITY OF TEXAS DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY DRAINAGE FACILITIES.

TxDOT ATLAS-14 PRECIPITATION VALUES WERE USED FOR THE TXDOT DRAINAGE CALCULATIONS.

REVISIONS:
10/31/23 - TXDOT COMMENTS

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712



COVER SHEET
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

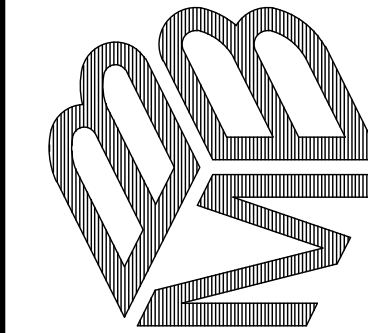
JOB #: C-1576
DATE: 10/31/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 1 OF 11

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.



REVISIONS:
10/31/23 - TXDOT COMMENTS

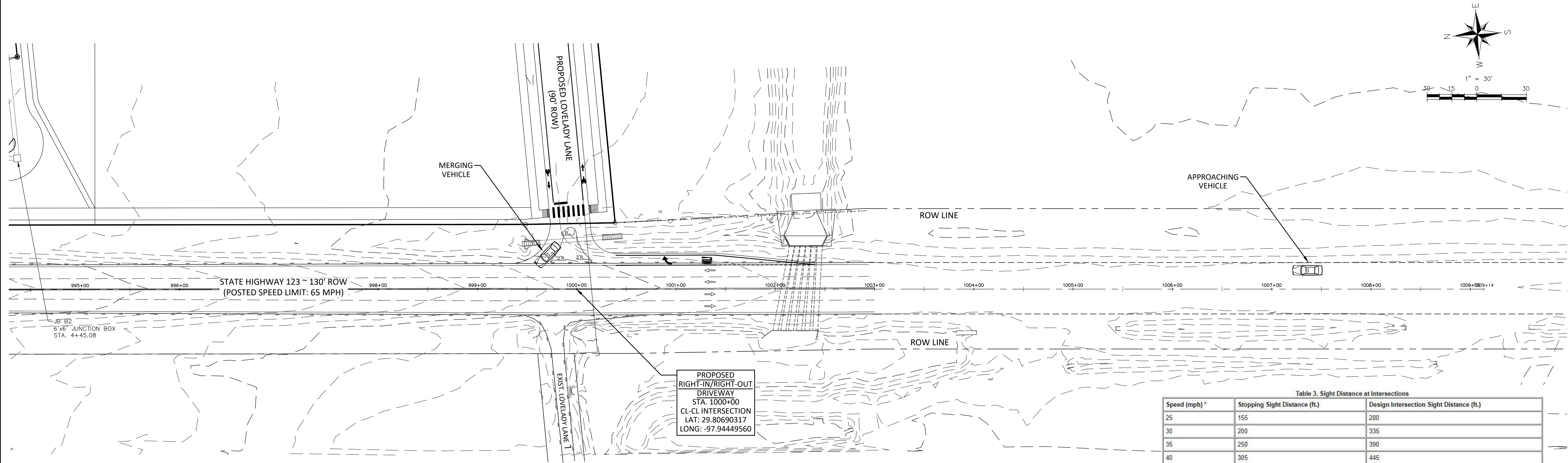
BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712



DRIVEWAY LOCATION PLAN
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 2 OF 11

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

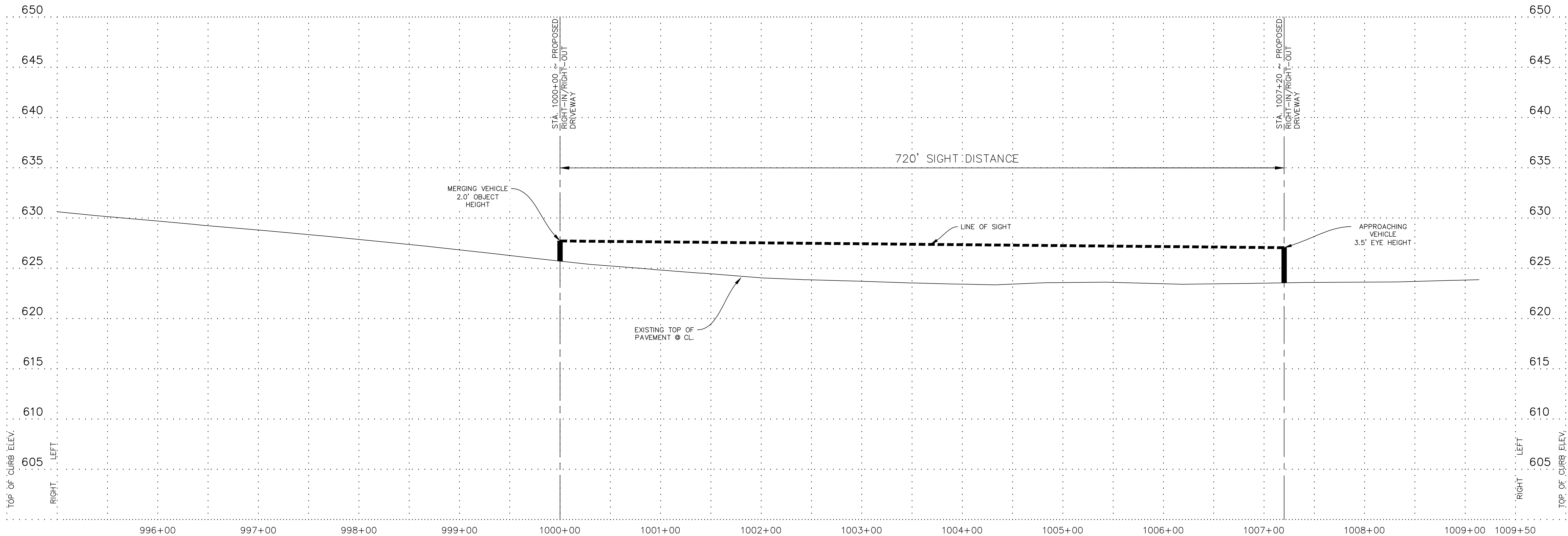


PROPOSED
RIGHT-IN/RIGHT-OUT
DRIVEWAY
STA. 1000+00
CL-CL INTERSECTION
LAT: 29.80690317
LONG: -97.94449560

Table 3. Sight Distance at Intersections		
Speed (mph) *	Stopping Sight Distance (ft.)	Design Intersection Sight Distance (ft.)
25	155	280
30	200	335
35	250	390
40	305	445
45	360	500
50	425	555
55	495	610
60	570	665
65	645	720

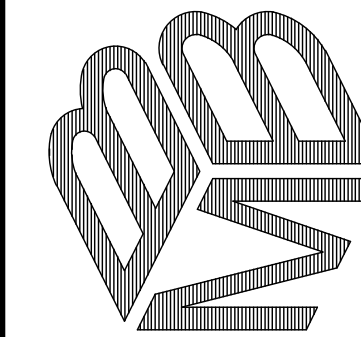
Source : A Policy on Geometric Design of Highway and Streets, 5th Edition, American Association of State Highway and Transportation Officials (AASHTO), 2004.

SH 123 – SIGHT DISTANCE



REVISIONS:
10/31/23 - TXDOT COMMENTS

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712

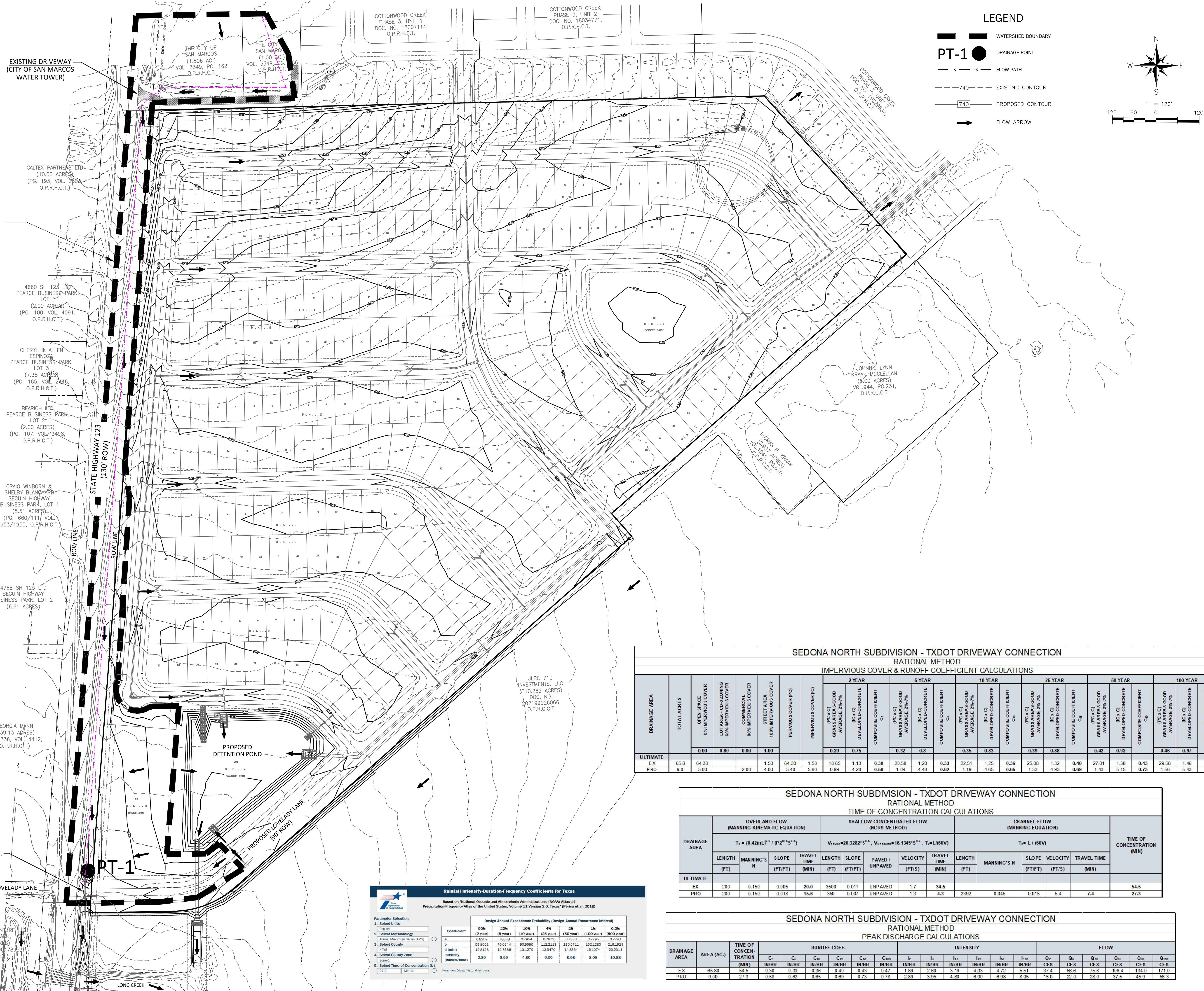


SIGHT DISTANCE PLAN
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 3 OF 11

Drawn: Oct 31, 2023, 1:08pm User: h. ramon Date: 2/15/23 Project: Sedona North Subdivision Documents\TXDOT-SEDONA_NORTH-SITE PLAN.dwg

DA-PRO
9.0 AC.



LEGEND

- WATERSHED BOUNDARY
- PT-1 DRAINAGE POINT
- FLOW PATH
- EXISTING CONTOUR
- PROPOSED CONTOUR
- FLOW ARROW

Scale: 1" = 120'

North Arrow

SEDONA NORTH SUBDIVISION - TXDOT DRIVEWAY CONNECTION																																					
RATIONAL METHOD																																					
IMPERVIOUS COVER & RUNOFF COEFFICIENT CALCULATIONS																																					
DRAINAGE AREA	TOTAL ACRES	OPEN SPACE 0% IMPERVIOUS COVER	LOT AREA - CD-3 ZONING 60% IMPERVIOUS COVER	COMMERCIAL 80% IMPERVIOUS COVER	STREET AREA 100% IMPERVIOUS COVER	2 YEAR				5 YEAR				10 YEAR				25 YEAR				50 YEAR				100 YEAR											
						PERVIOUS COVER (PC)				IMPERVIOUS COVER (IC)				COMPOSITE COEFFICIENT				COMPOSITE COEFFICIENT				COMPOSITE COEFFICIENT				COMPOSITE COEFFICIENT											
						(PC x C)				(IC x C)				(PC x C) GRASS AREAS GOOD AVERAGE, 70-75%				(IC x C) DEVELOPED-CONCRETE				(PC x C) GRASS AREAS GOOD AVERAGE, 70-75%				(IC x C) DEVELOPED-CONCRETE				(PC x C) GRASS AREAS GOOD AVERAGE, 70-75%				(IC x C) DEVELOPED-CONCRETE			
						C ₂				C ₃				C ₄				C ₅				C ₆				C ₇											
		0.00	0.60	0.80	1.00		0.29	0.75		0.32	0.8		0.35	0.83		0.39	0.88		0.42	0.92		0.46	0.97														
ULTIMATE																																					
EX	65.8	64.30				1.50	64.30	1.50	0.85	1.13	0.30	20.58	1.20	0.33	22.51	1.25	0.36	25.08	1.32	0.40	27.01	1.38	0.43	29.58													
PRO	9.0	3.00			2.00	4.00	3.40	5.60	0.99	4.20	0.58	1.19	4.48	0.62	1.19	4.65	0.65	1.33	4.93	0.69	1.43	5.15	0.73	1.56													
																								0.47													
																								0.78													

SEDONA NORTH SUBDIVISION - TXDOT DRIVEWAY CONNECTION														
RATIONAL METHOD														
TIME OF CONCENTRATION CALCULATIONS														
DRAINAGE AREA	OVERLAND FLOW (MANNING KINEMATIC EQUATION)				SHALLOW CONCENTRATED FLOW (NCRS METHOD)				CHANNEL FLOW (MANNING EQUATION)				TIME OF CONCENTRATION (MIN)	
	LENGTH (FT)	MANNING'S N	SLOPE (FT/FT)	TRAVEL TIME (MIN)	LENGTH (FT)	SLOPE (FT/FT)	PAVED / UNPAVED	VELOCITY (FT/S)	TRAVEL TIME (MIN)	LENGTH (FT)	MANNING'S N	SLOPE (FT/FT)	VELOCITY (FT/S)	TRAVEL TIME (MIN)
ULTIMATE	200	0.150	0.005	20.0	3500	0.011	UNPAVED	1.7	34.5	2392	0.045	0.015	5.4	7.4
EX	200	0.150	0.018	15.6	350	0.007	UNPAVED	1.3	4.3					54.5
PRO	200	0.150	0.018	15.6	350	0.007	UNPAVED	1.3	4.3					27.3

SEDONA NORTH SUBDIVISION - TXDOT DRIVEWAY CONNECTION														
RATIONAL METHOD														
PEAK DISCHARGE CALCULATIONS														
DRAINAGE AREA	AREA (AC.)	TIME OF CONCENTRATION (MIN)	RUNOFF COEF.						INTENSITY					
			C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	I ₁	I ₂	I ₃	I ₄	I ₅	I ₆
EX	85.80	54.5	0.30	0.33	0.36	0.40	0.43	0.47	1.89	2.60	3.19	4.03	4.72	5.51
PRO	9.00	27.3	0.58	0.62	0.65	0.69	0.73	0.78	2.89	3.95	4.80	6.00	6.98	8.05

Rainfall Intensity-Duration-Frequency Coefficients for Texas														
Based on "National Oceanic and Atmospheric Administration" (NOAA) Atlas 14 Precipitation Frequency Atlas of the United States, Volume 1: Texas (1981) (Revised et al. 2018)														
Parameter Selection														
1. Select Location														
2. Select Methodology														
3. Select County														
4. Select County Zone														
5. Select Time of Concentration (min)														
6. Select Time of Concentration (min)														
Note: Hays County has a rainfall zone.														

REVISIONS:
10/31/23 - TXDOT COMMENTS

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TXBPELS Registration No. F-1712

STATE OF TEXAS
HERNAN A. JARAMILLO
REGISTERED PROFESSIONAL ENGINEER
No. 92833
Exp. 12/31/24

PROPOSED DRAINAGE AREA MAP
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 5 OF 11

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712

10/31/23

STATE OF TEXAS

HERNAN A. JARAMILLO

92831

REGISTERED PROFESSIONAL ENGINEER

JOB #: C-1576

DATE: 10/1/23

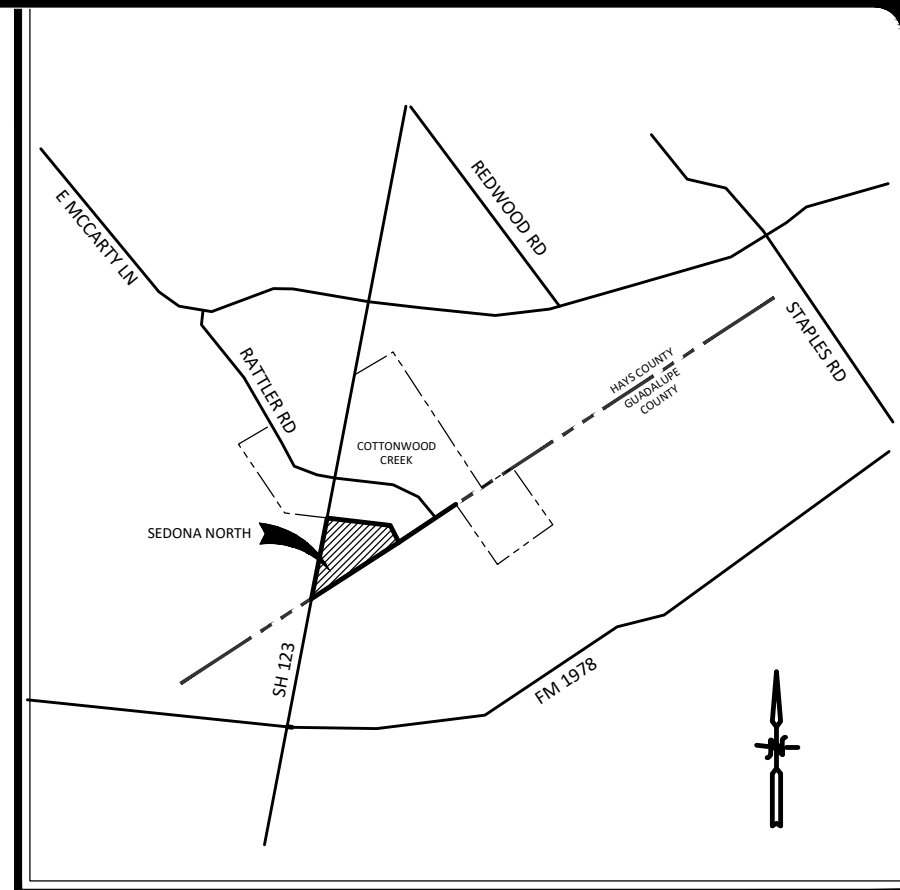
DESIGN: N. RAMONES

DRAWN: N. RAMONES

CHECKED: H. JARAMILLO

SHEET: 6 OF 11

CAUTION!!!
EXISTING UNDERGROUND & OVERHEAD UTILITIES. CONTRACTOR TO VERIFY DEPTH AND LOCATION PRIOR TO CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCIES.

[illegible]

	740	EXISTING CONTOUR		EXISTING OVERHEAD ELECTRIC
	740	PROPOSED CONTOUR		EASEMENT
	C	CENTERLINE		EXISTING WATERLINE
	E	EXISTING EDGE OF PAVEMENT		PROPOSED WATERLINE
	R	RIGHT-OF-WAY		EXISTING FIRE HYDRANT
	X	EXISTING WIRE FENCE		EXISTING POWERPOLE

1. ALL DISTURBED AREAS WILL REQUIRE THE PLACEMENT OF 4" TOPSOIL (ITEM 160), SEEDING (ITEM 164) AND SOIL RETENTION BLANKETS (ITEM 169) IN ACCORDANCE WITH TXDOT SPECIFICATIONS.
2. SEE SHEET 10 FOR TRAFFIC CONTROL PLAN DETAILS

***PROPOSED PAVEMENT SECTION:**

• 1" TOM	(ITEM 347)
• BONDING COURSE	(ITEM. 3066)
• 2.5" TYPE-D HMAC	(ITEM 340)
• BONDING COURSE	(ITEM 3066)
• 4" TYPE-B HMAC	(ITEM 340)
• PRIME COAT	(ITEM 310)
• 8" CRUSHED LIMESTONE BASE	(ITEM 247)
• 8" LIME STABILIZED SUBGRADE	(ITEM 260)

***REFER TO TXDOT SPECIFICATIONS**

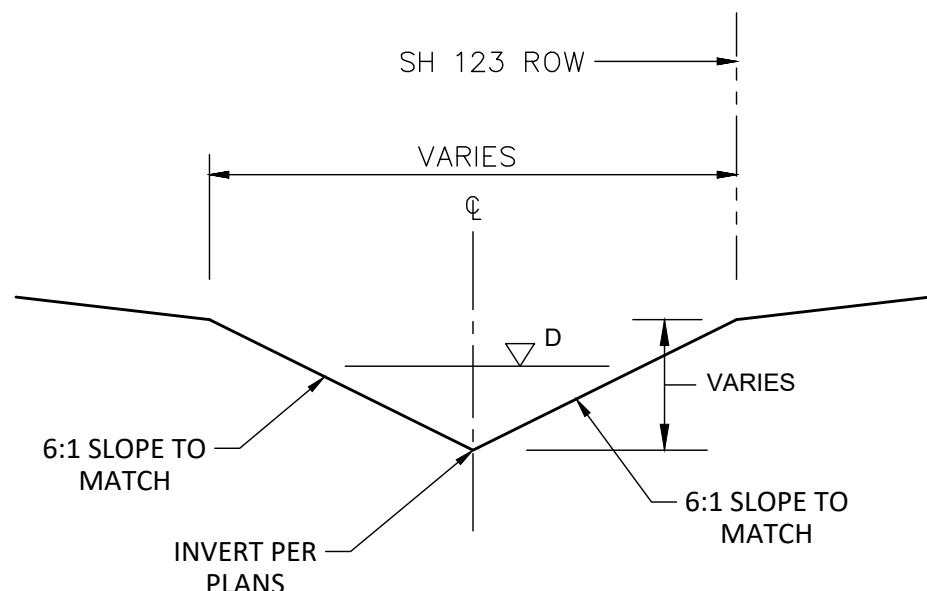
*REFER TO TXDOT SPECIFICATIONS

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 AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION, SAFETY PROTECTION THAT COMPLIES 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.

LEGEND

- FIRE HYDRANT
EXISTING SANITARY SEWER MAIN
PROPOSED SANITARY SEWER MAIN
EXISTING WATER MAIN
PROPOSED WATER MAIN
SANITARY SEWER MANHOLE
EXISTING CONTOUR
PROPOSED CONTOUR

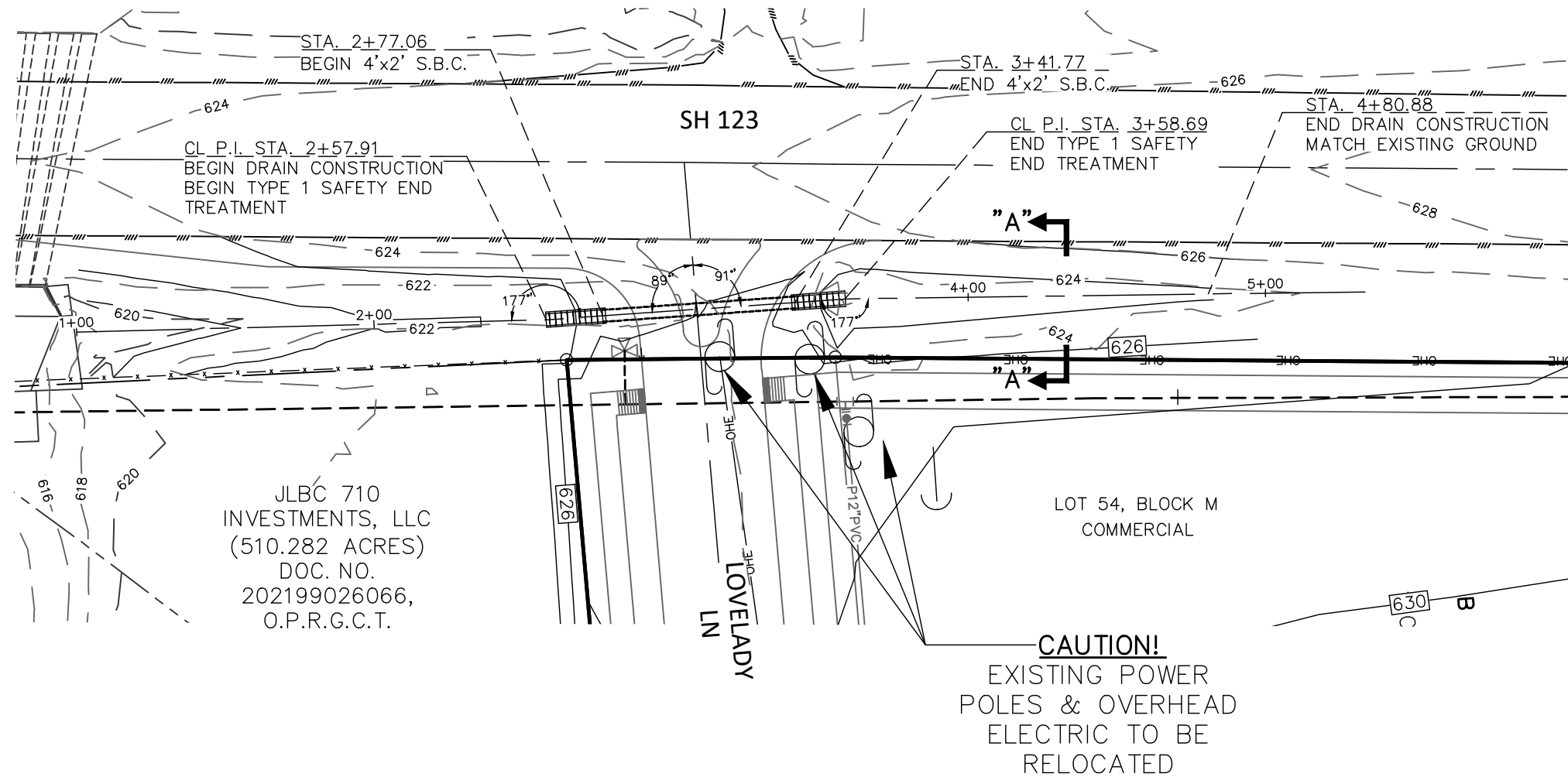


SECTION "A-A"
TYPICAL SECTION - NTS

TXDOT DRAINAGE
CALCULATIONS

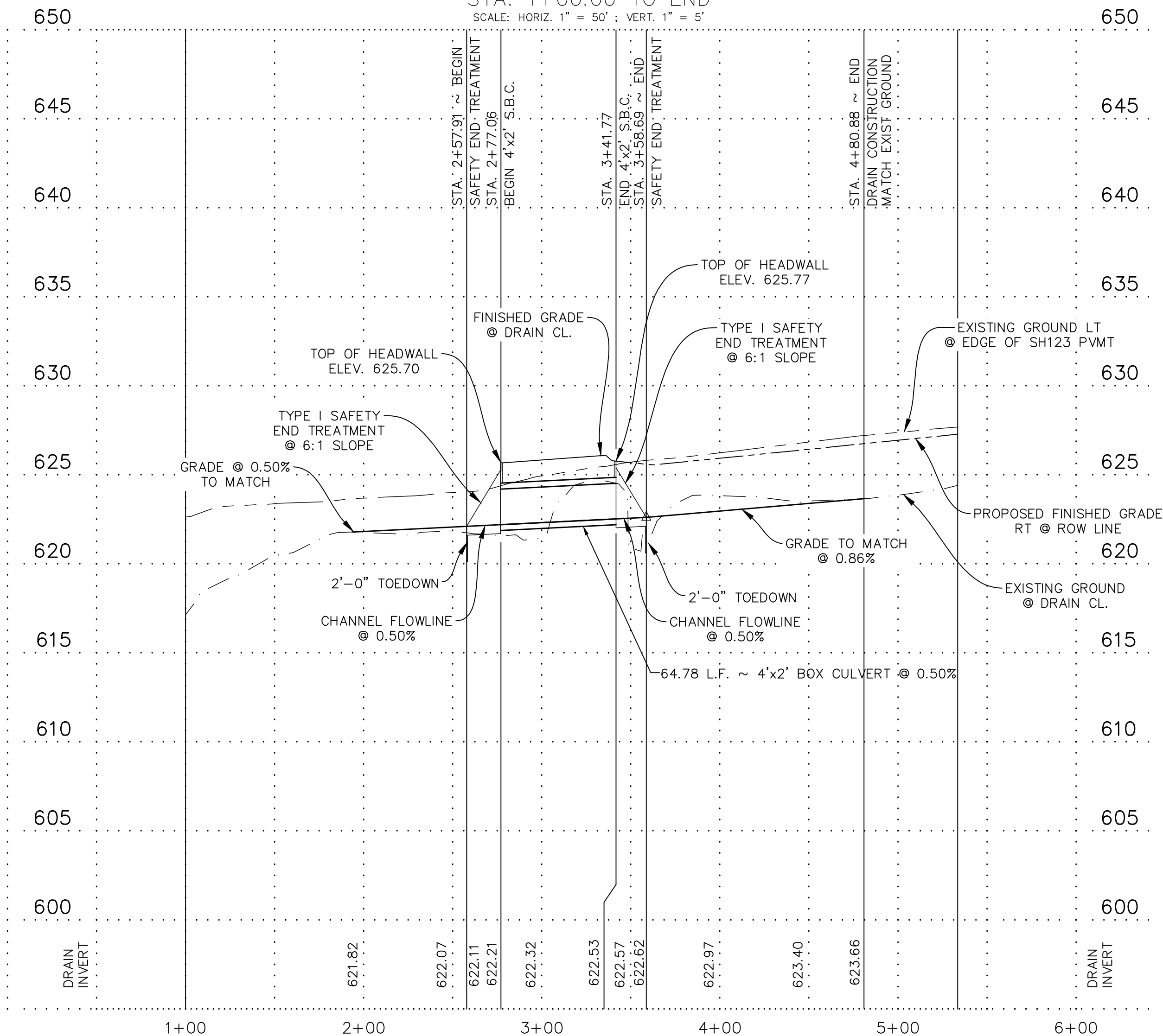
Q25 = 37.5 CFS
SS = 6:1
n = 0.035
S = 0.50%
D = 1.58 FT
V = 2.50 FPS

Q100 = 56.3 CFS
SS = 6:1
n = 0.035
S = 0.50%
D = 1.83 FT
V = 2.80 FT/S



DRAIN-E

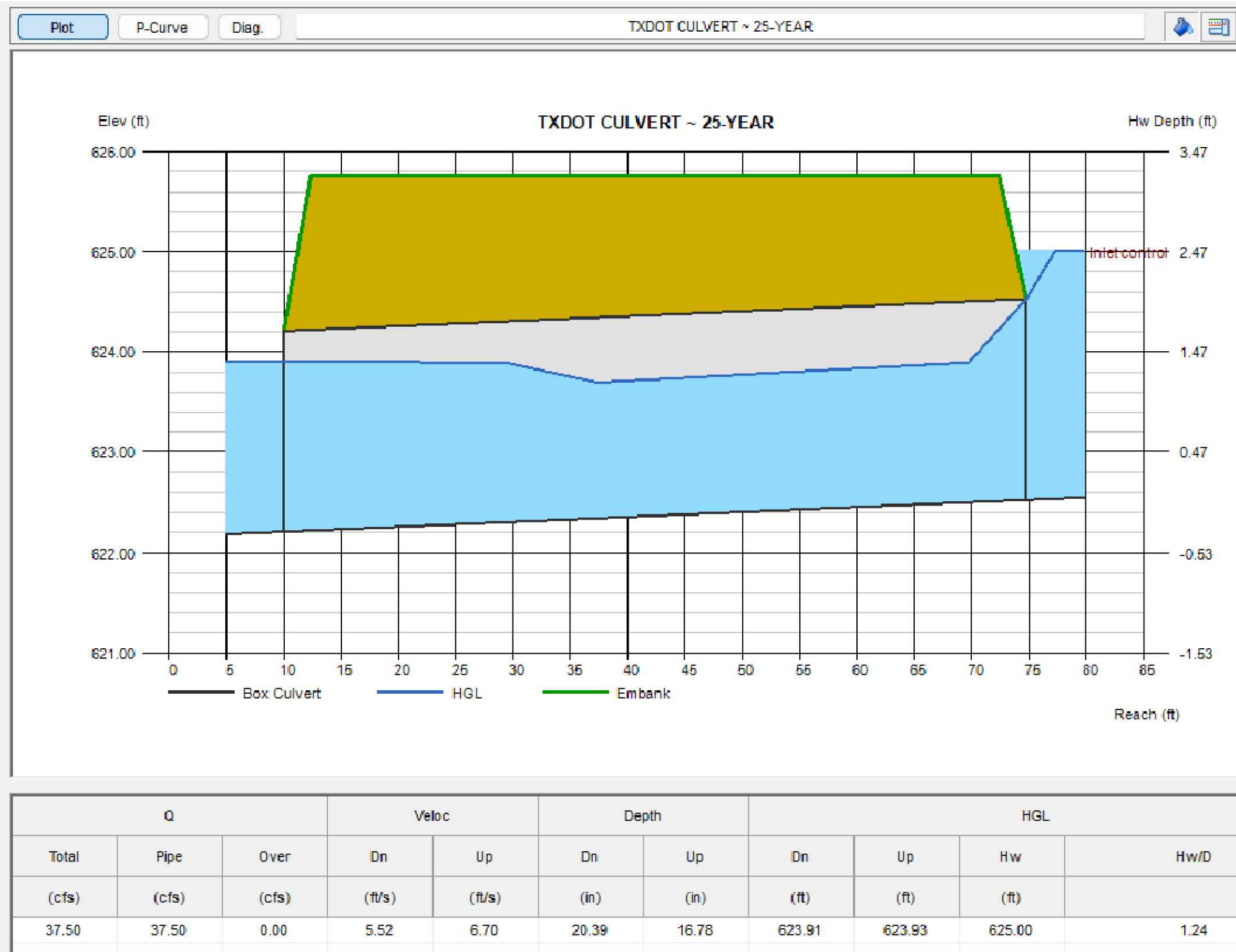
STA. 1+00.00 TO END
SCALE: HORIZ. 1" = 50' ; VERT. 1" = 5'



TXDOT CULVERT

MAX ALLOWABLE HEADWATER ELEV: 625.77
25-YEAR HEADWATER ELEV: 625.00

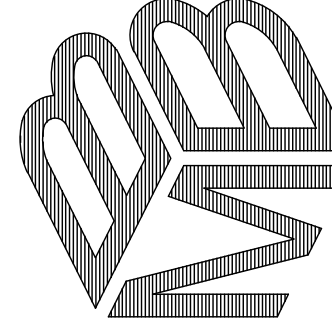
Section	Item	Input
Pipe	Inv Elev Dn =	622.21
	Length (ft) =	64.78
	Slope (%) =	0.49
	Inv Elev Up =	622.53
	Rise (in) =	24.0
	Shape =	Box
	Span (in) =	48.0
	No. Barrels =	1
	n-value =	0.013
	Culvert Type =	Flared Wingwalls
Embank	Culvert Entrance =	900 and 150 wingwall flares
	Top Elev =	625.77
	Top Width (ft) =	60.00
Calcs	Crest Len (ft) =	10.00
	Q Min (cfs) =	37.50
	Q Max (cfs) =	37.50
	Q Incr (cfs) =	1.00
Tailwater (ft) =		(dc+D)/2



Q			Veloc		Depth		HGL			
Total	Pipe	Over	Dn	Up	Dn	Up	Dn	Up	Hw	Hw/D
(cfs)	(cfs)	(cfs)	(ft/s)	(ft/s)	(in)	(in)	(ft)	(ft)	(ft)	
37.50	37.50	0.00	5.52	6.70	20.39	16.78	623.91	623.93	625.00	1.24

REVISIONS:
10/31/23 - TXDOT COMMENTS

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712

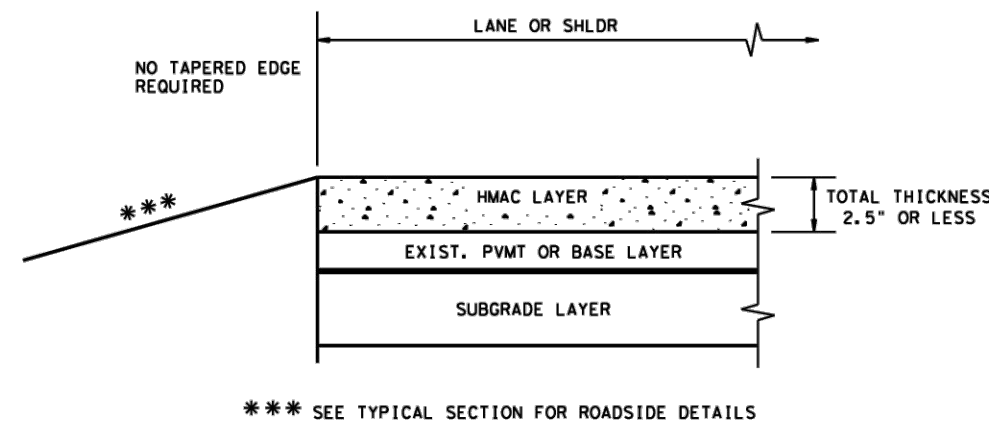


CULVERT PLAN & PROFILE
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

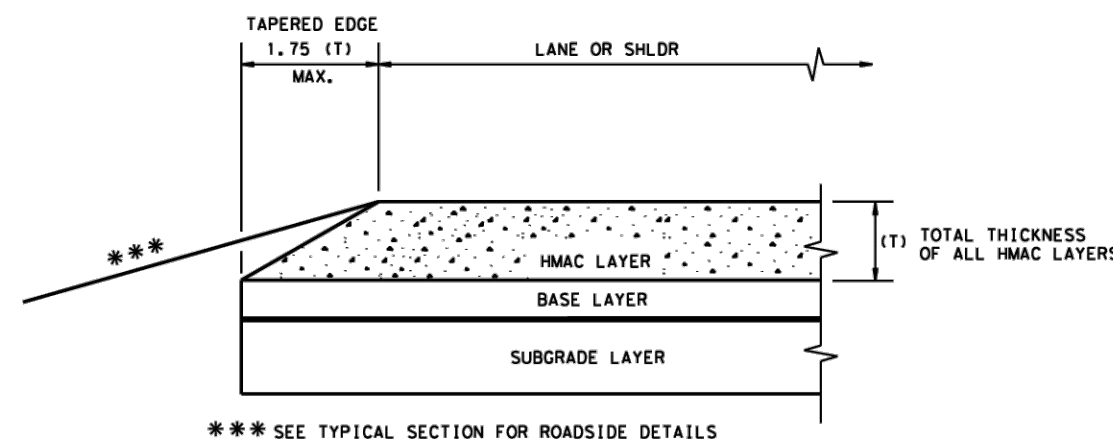
JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 7 OF 11

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Professional Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the consequences of this standard to other users or for incorrect results or damages resulting from its use.

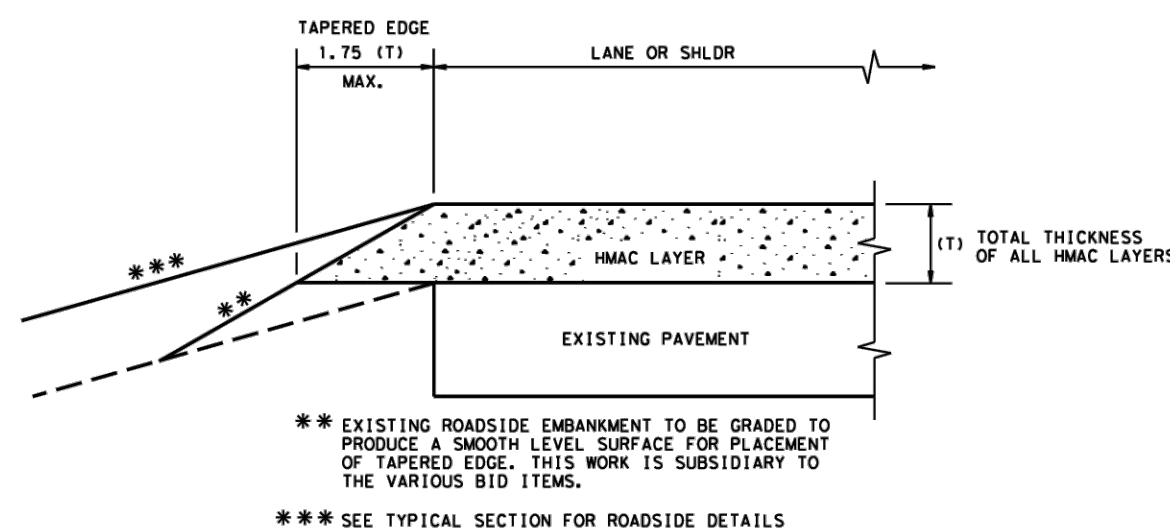
DATE: FILE:



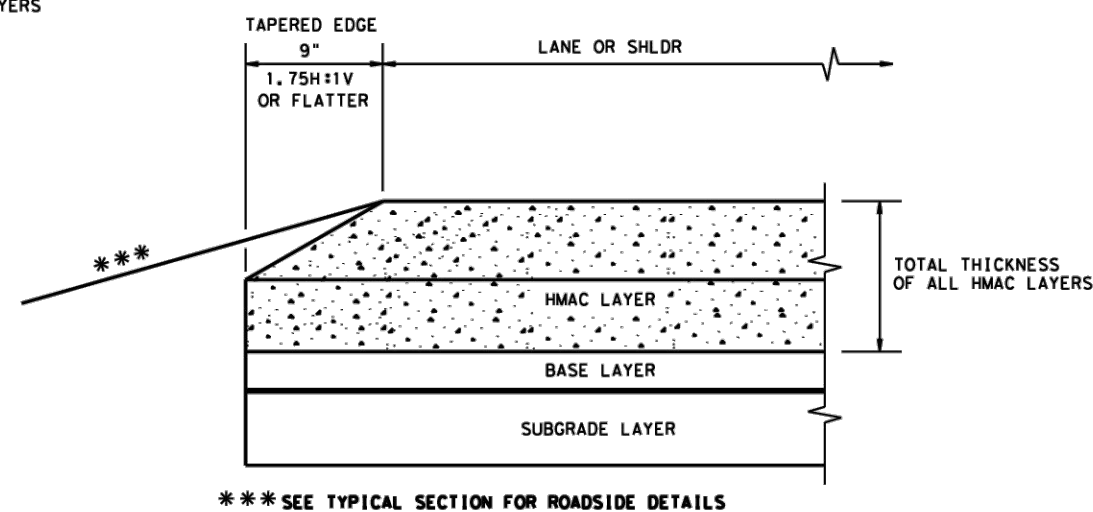
CONDITION - 1
THIN HMAc SURFACES OR HMAc OVERLAY
WITH THICKNESS OF 2.5" OR LESS



CONDITION - 3
NEW OR RECONSTRUCTED PAVEMENT
HMAc THICKNESS 2.5" TO 5"



CONDITION - 2
OVERLAY OF EXISTING PAVEMENT
HMAc THICKNESS 2.5" TO 5"



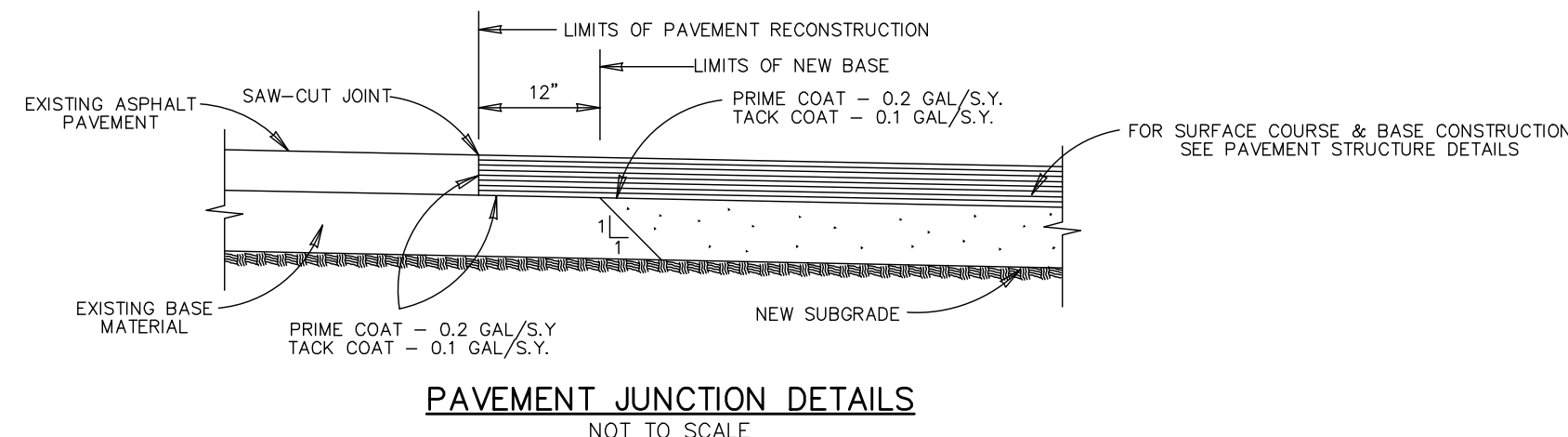
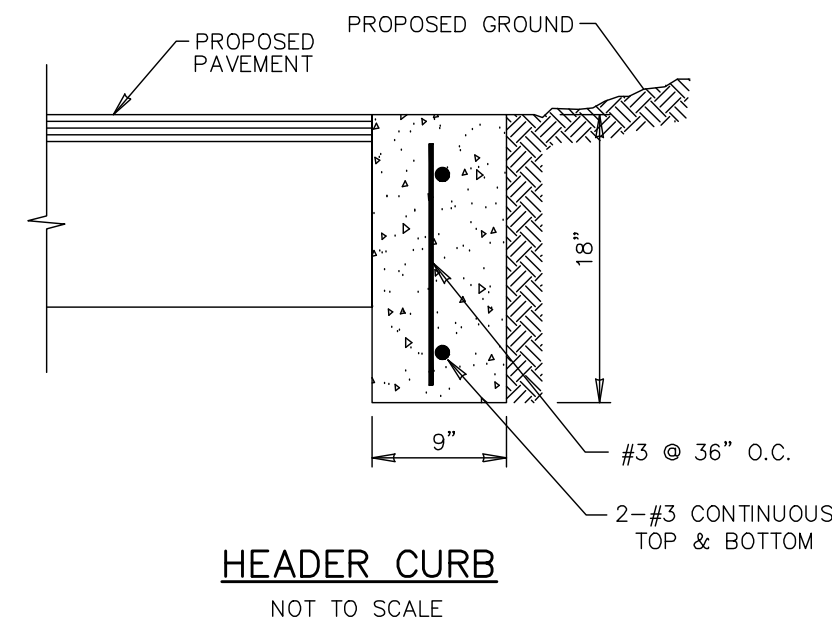
CONDITION - 4
NEW OR RECONSTRUCTED PAVEMENT
HMAc THICKNESS 5" OR GREATER

(NOT TO SCALE)

GENERAL NOTES

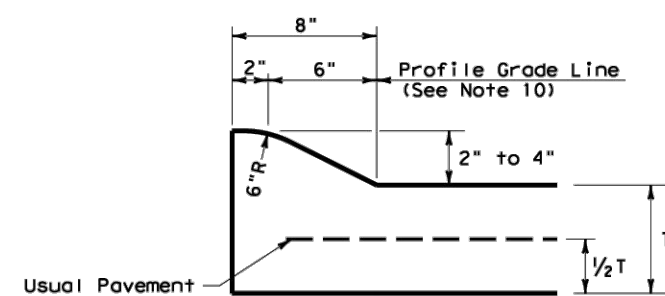
1. UNLESS OTHERWISE SHOWN IN THE PLANS, A VERTICAL EDGE IS PERMISSIBLE FOR HMAc PLACED GREATER THAN 5" BELOW THE EDGE OF PAVEMENT AND FOR THICKNESS OF HMAc LESS THAN 2.5".
2. FOR FURTHER INFORMATION REGARDING THE ROADSIDE AND PAVEMENT DETAILS, SEE TYPICAL SECTIONS.
3. PAYMENT FOR TAPERED EDGE WILL BE IN ACCORDANCE WITH APPLICABLE ITEMS IN THE CONTRACT.
4. THE SLOPE OF THE TAPERED EDGE SHALL BE 1.75H:1V OR FLATTER.
5. THE TAPERED EDGE SHALL BE PRODUCED BY USE OF A SCREEN ATTACHMENT CAPABLE OF PRODUCING A SMOOTH COMPACTED SURFACE. ADDITIONAL COMPACTING EFFORT BEHIND THE SCREEN IS NOT REQUIRED.

Texas Department of Transportation		Design Division Standard	
TAPERED EDGE DETAILS HMAc PAVEMENT			
TE (HMAc) - 11			
FILE: 1400011.001	REV: 1001	CON: 10	REV: 10
140011 JANUARY 2011	CON: 10	REV: 10	100001
REVISIONS		DATE	COUNTY
1101		10/31/23	100001

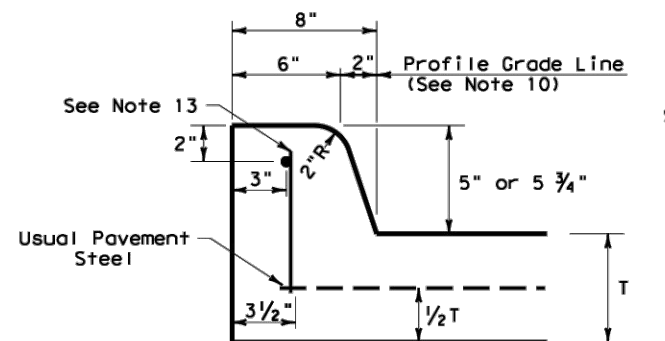


DISCLAIMER: The use of this standard is governed by the "Texas Engineering Professional Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the consequences of this standard to other users or for incorrect results or damages resulting from its use.

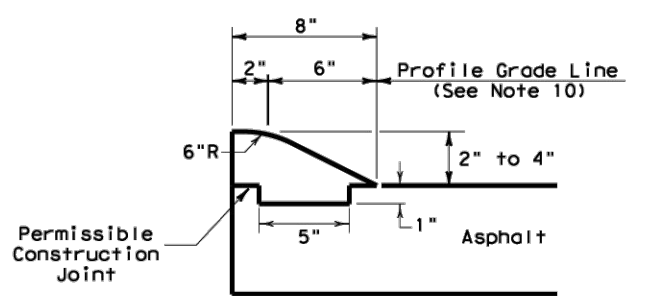
DATE: FILE:



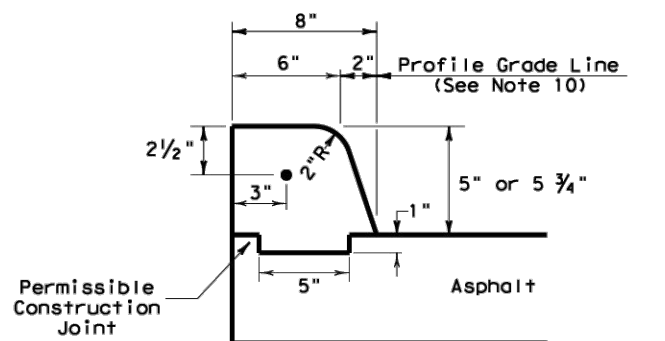
TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



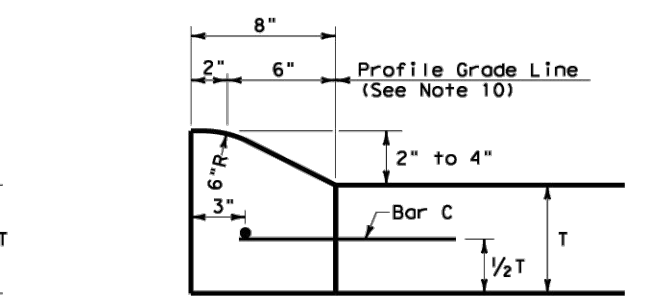
TYPE II CURB (MONOLITHIC)
5" - 5 3/4" HEIGHT



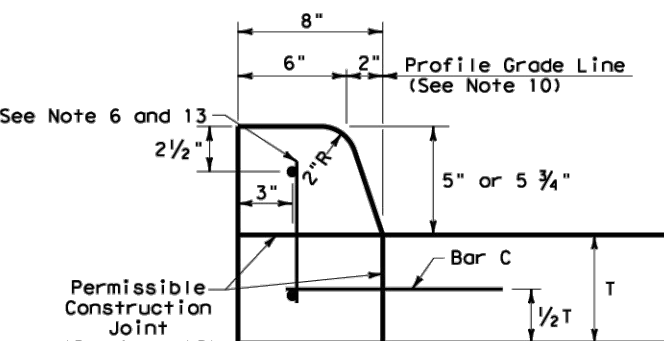
TYPE III CURB (KEYED)
2" - 4" HEIGHT



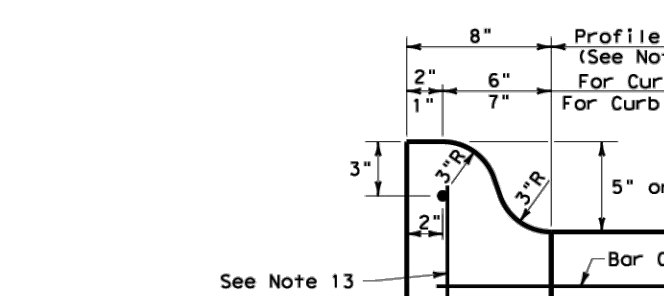
TYPE IV CURB (KEYED)
5" - 5 3/4" HEIGHT



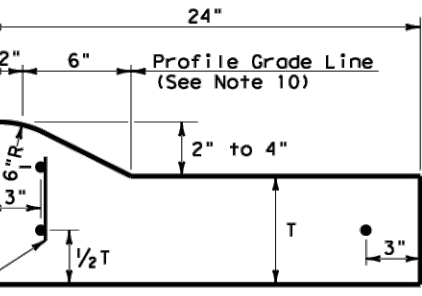
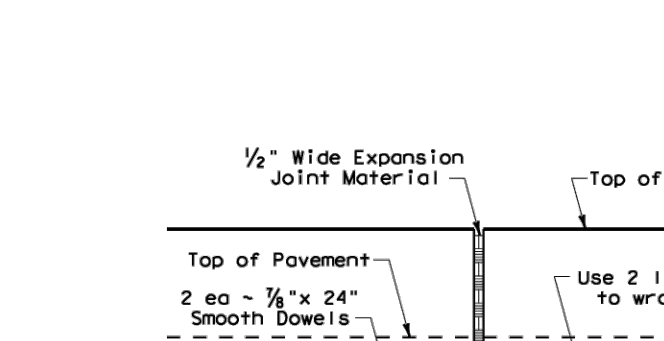
TYPE I CURB
2" - 4" HEIGHT



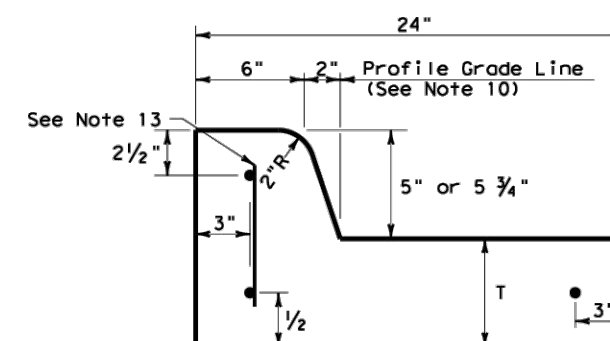
TYPE II CURB
5" - 5 3/4" HEIGHT



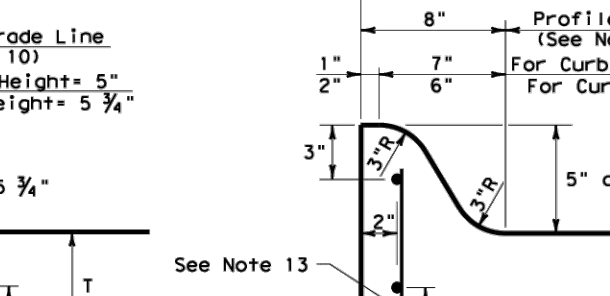
TYPE IICurb
5" - 5 3/4" HEIGHT



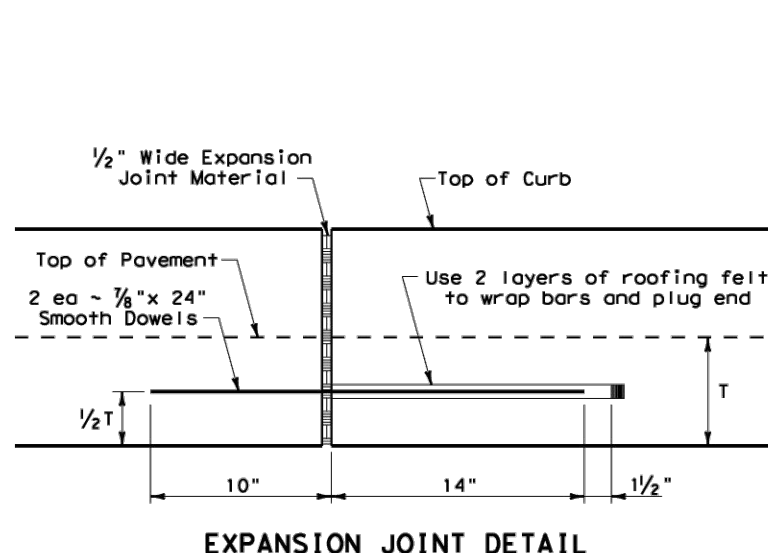
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



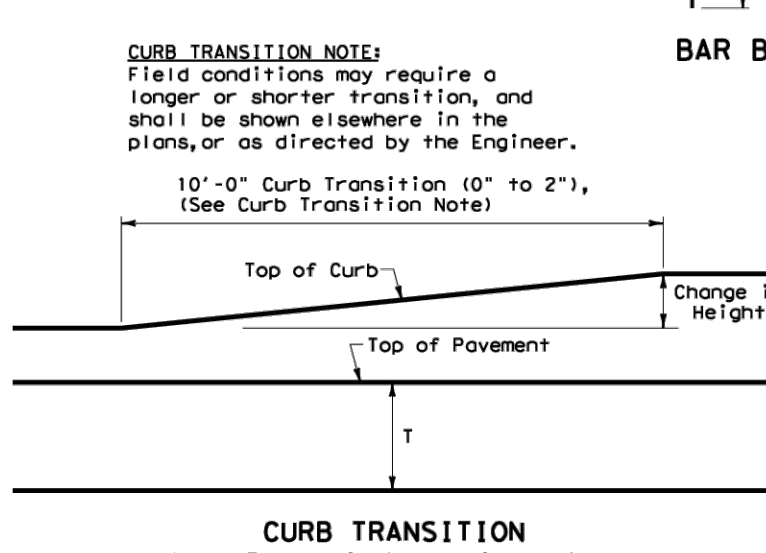
TYPE II CURB AND GUTTER
5" - 5 3/4" HEIGHT



TYPE IICurb and GUTTER
5" - 5 3/4" HEIGHT



EXPANSION JOINT DETAIL

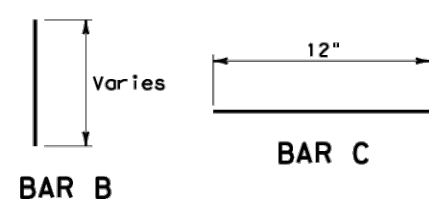


CURB TRANSITION

Note: To be paid for as Highest Curb

GENERAL NOTES

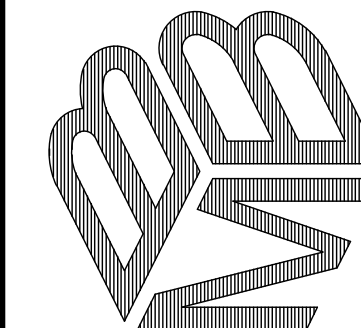
1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No. 4 unless otherwise shown. The use of fiber reinforced concrete in lieu of reinforcing steel is acceptable. Use fibers meeting the requirements of DMS 4550, "Fibers for Concrete," and dose fibers in accordance with Material Producers List (MPL) "Fibers for Class A and B Concrete Applications."
4. Round exposed sharp edges with a rounding tool, to a minimum radius of 1/4 inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is to be placed on existing concrete pavement, Bar B may be drilled and grouted in place, or may be inserted into fresh concrete.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or floor.
12. When horizontal permissible construction joints are used, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans. Reinforcing steel for curb section shall then conform to that required for concrete curb.
13. Bar B placement as needed (typically at four ft. C-C) to support curb reinforcing steel during concrete placement.



Texas Department of Transportation		Design Division Standard	
CONCRETE CURB AND CURB AND GUTTER			
CCCCG-22			
FILE: 1400011.001	REV: 1001	CON: 10	REV: 10
140011 JUNE 2022	CON: 10	REV: 10	100001
REVISIONS		DATE	COUNTY
1101		10/31/23	100001

REVISIONS:
10/31/23 - TxDOT COMMENTS

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-7223
TBPELS Registration No. F-1712

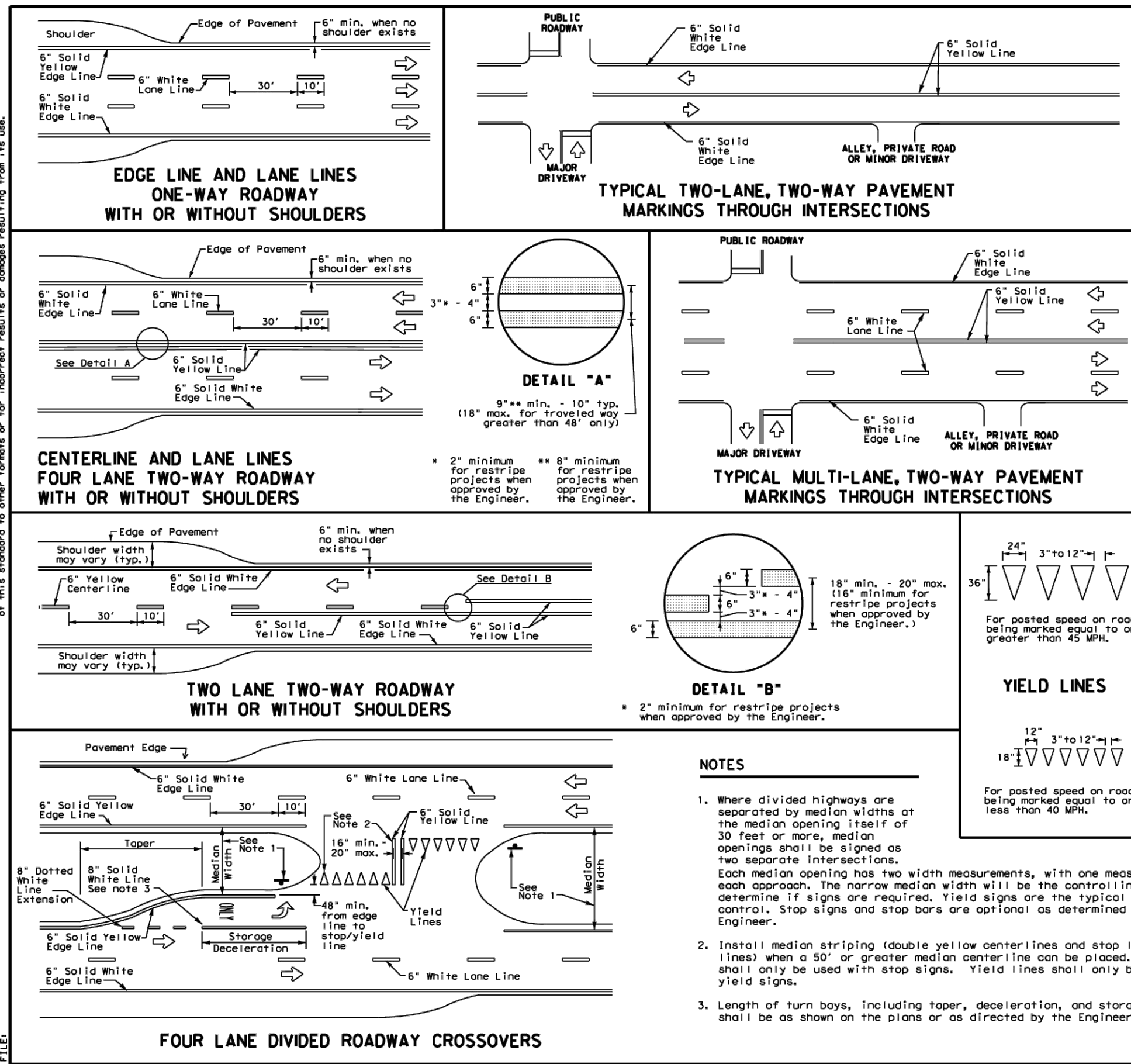


DRIVEWAY DETAILS
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 8 OF 11

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

DISCLAIMER: This plan was prepared by the Texas Engineering Experiment Station, Inc. (TEXES) under contract to the Texas Department of Transportation (TxDOT). The use of this plan is limited to the project and location specified on the contract. No warranty is made by TEXES or TxDOT for any other use of this plan. The user assumes all liability for any errors or omissions in this plan.



GENERAL NOTES

- Edge line striping shall be as shown in the plans or as directed by the Engineer. The edge line should not be placed less than 6 inches from the edge of pavement. This distance may vary due to pavement raveling or other conditions. Edge lines are not required in curb and gutter sections of roadways.
- The traveled way includes only that portion of the roadway used for vehicular travel. It does not include the parking lanes, sidewalks, berms or shoulders. The traveled way shall be measured from the center of edge line to the center of edge line of a two-lane roadway.

MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
SPOT AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

YIELD LINES

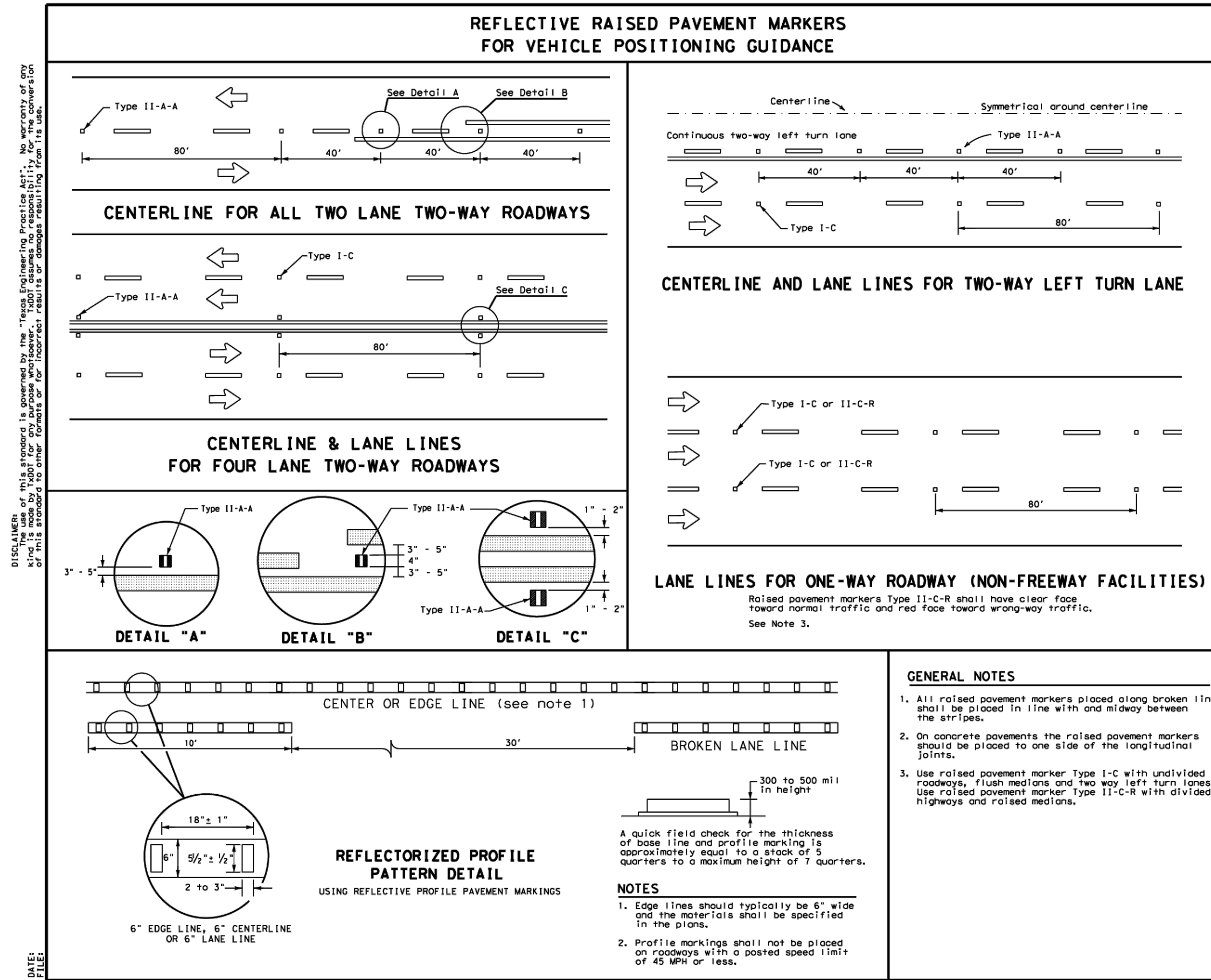
For posted speed on road being marked equal to or greater than 45 MPH.

GUIDE FOR PLACEMENT OF STOP LINES, EDGE LINE & CENTERLINE

Based on Traveled Way and Pavement Widths for Undivided Roadways

TYPICAL STANDARD PAVEMENT MARKINGS PM(1)-22

ITEM	POST-22.00g	DATE	BY	CHKD	APP'D	REVISION
1	11-18	8-20	6-20			
2	11-18	8-20	6-20			
3	11-18	8-20	6-20			
4	11-18	8-20	6-20			
5	11-18	8-20	6-20			
6	11-18	8-20	6-20			
7	11-18	8-20	6-20			
8	11-18	8-20	6-20			
9	11-18	8-20	6-20			
10	11-18	8-20	6-20			
11	11-18	8-20	6-20			
12	11-18	8-20	6-20			
13	11-18	8-20	6-20			
14	11-18	8-20	6-20			
15	11-18	8-20	6-20			
16	11-18	8-20	6-20			
17	11-18	8-20	6-20			
18	11-18	8-20	6-20			
19	11-18	8-20	6-20			
20	11-18	8-20	6-20			
21	11-18	8-20	6-20			
22	11-18	8-20	6-20			
23	11-18	8-20	6-20			
24	11-18	8-20	6-20			
25	11-18	8-20	6-20			
26	11-18	8-20	6-20			
27	11-18	8-20	6-20			
28	11-18	8-20	6-20			
29	11-18	8-20	6-20			
30	11-18	8-20	6-20			
31	11-18	8-20	6-20			
32	11-18	8-20	6-20			
33	11-18	8-20	6-20			
34	11-18	8-20	6-20			
35	11-18	8-20	6-20			
36	11-18	8-20	6-20			
37	11-18	8-20	6-20			
38	11-18	8-20	6-20			
39	11-18	8-20	6-20			
40	11-18	8-20	6-20			
41	11-18	8-20	6-20			
42	11-18	8-20	6-20			
43	11-18	8-20	6-20			
44	11-18	8-20	6-20			
45	11-18	8-20	6-20			
46	11-18	8-20	6-20			
47	11-18	8-20	6-20			
48	11-18	8-20	6-20			
49	11-18	8-20	6-20			
50	11-18	8-20	6-20			
51	11-18	8-20	6-20			
52	11-18	8-20	6-20			
53	11-18	8-20	6-20			
54	11-18	8-20	6-20			
55	11-18	8-20	6-20			
56	11-18	8-20	6-20			
57	11-18	8-20	6-20			
58	11-18	8-20	6-20			
59	11-18	8-20	6-20			
60	11-18	8-20	6-20			
61	11-18	8-20	6-20			
62	11-18	8-20	6-20			
63	11-18	8-20	6-20			
64	11-18	8-20	6-20			
65	11-18	8-20	6-20			
66	11-18	8-20	6-20			
67	11-18	8-20	6-20			
68	11-18	8-20	6-20			
69	11-18	8-20	6-20			
70	11-18	8-20	6-20			
71	11-18	8-20	6-20			
72	11-18	8-20	6-20			
73	11-18	8-20	6-20			
74	11-18	8-20	6-20			
75	11-18	8-20	6-20			
76	11-18	8-20	6-20			
77	11-18	8-20	6-20			
78	11-18	8-20	6-20			
79	11-18	8-20	6-20			
80	11-18	8-20	6-20			
81	11-18	8-20	6-20			
82	11-18	8-20	6-20			
83	11-18	8-20	6-20			
84	11-18	8-20	6-20			
85	11-18	8-20	6-20			
86	11-18	8-20	6-20			
87	11-18	8-20	6-20			
88	11-18	8-20	6-20			
89	11-18	8-20	6-20			
90	11-18	8-20	6-20			
91	11-18	8-20	6-20			
92	11-18	8-20	6-20			
93	11-18	8-20	6-20			
94	11-18	8-20	6-20			
95	11-18	8-20	6-20			
96	11-18	8-20	6-20			
97	11-18	8-20	6-20			
98	11-18	8-20	6-20			
99	11-18	8-20	6-20			
100	11-18	8-20	6-20			



MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
SPOT AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

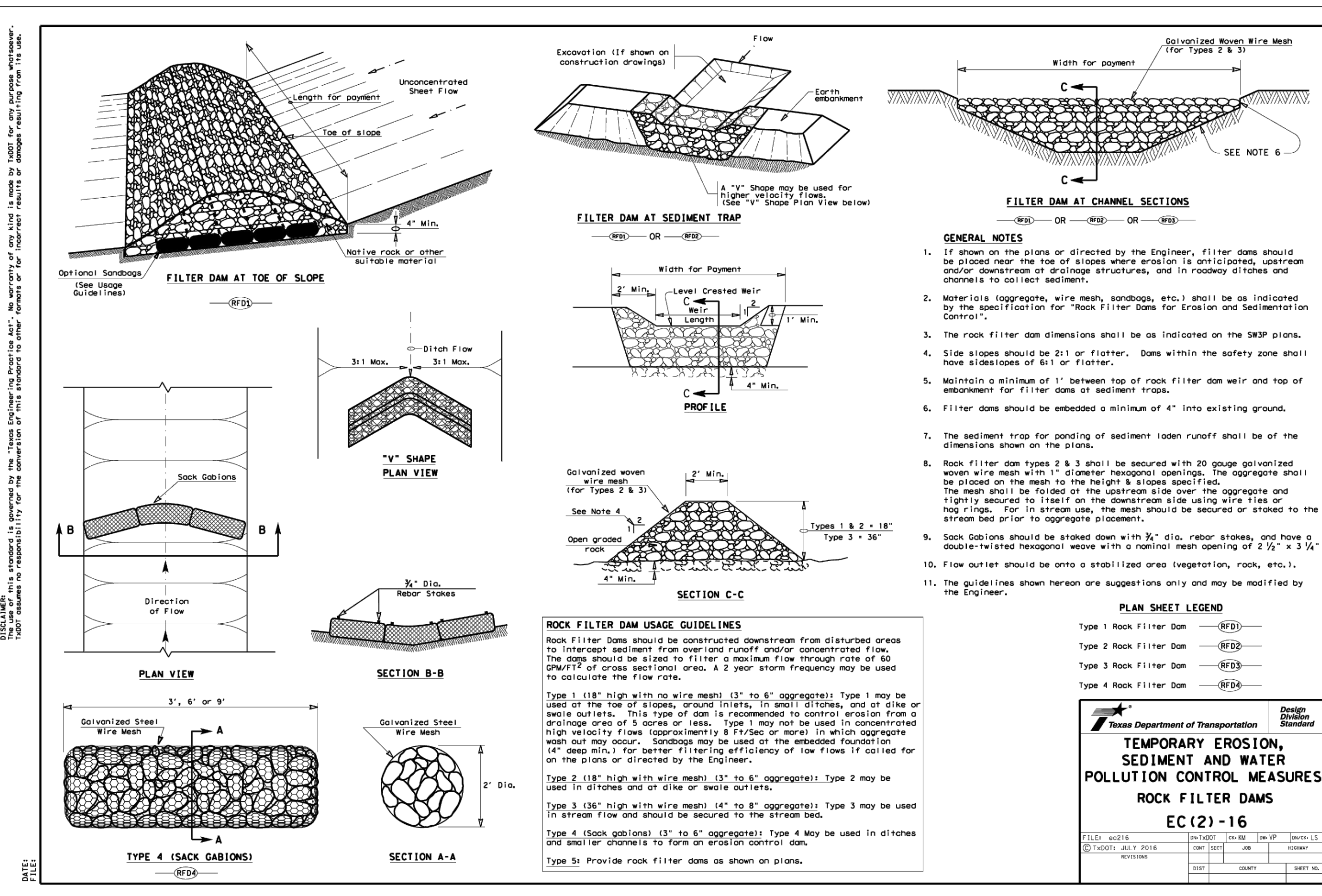
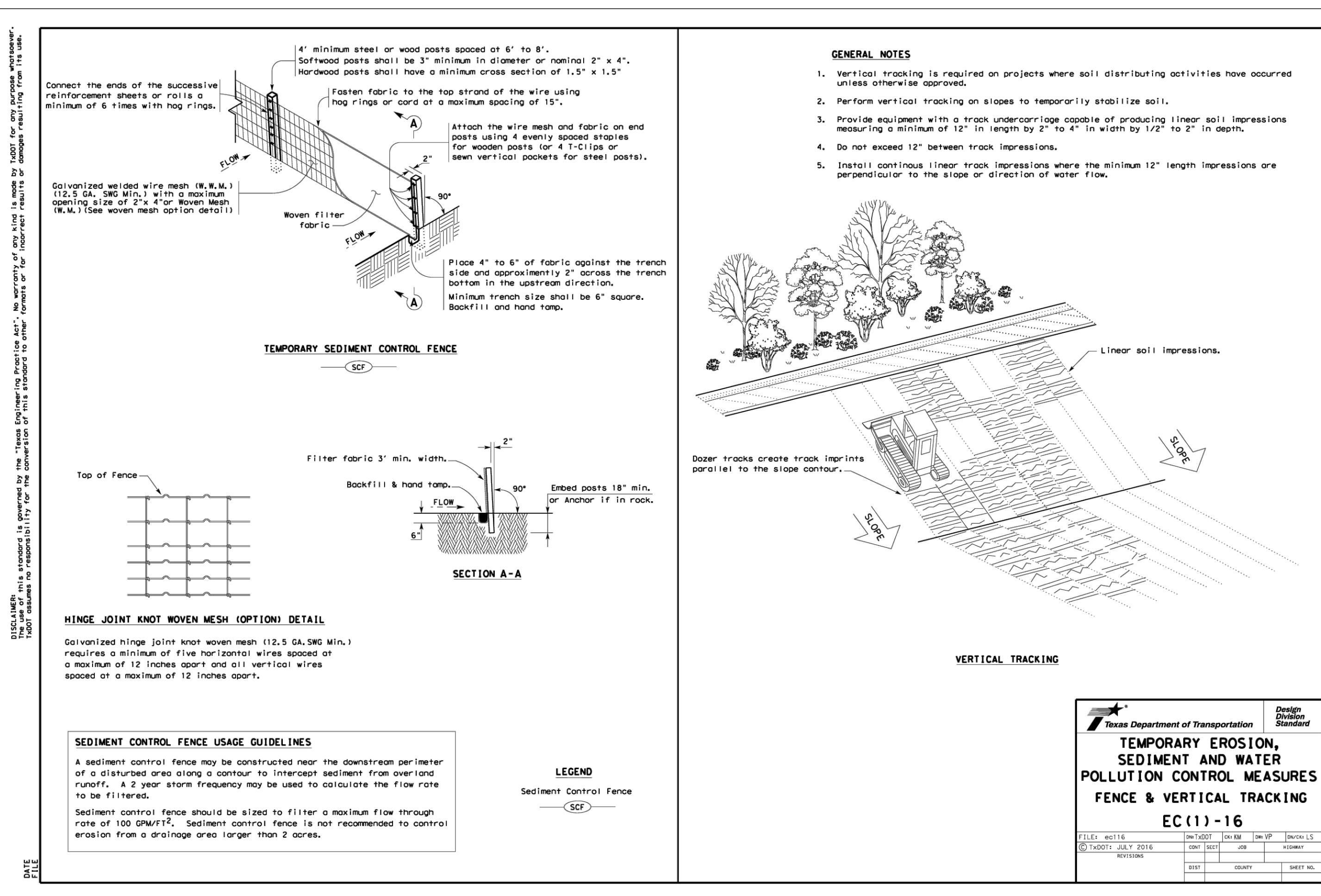
All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

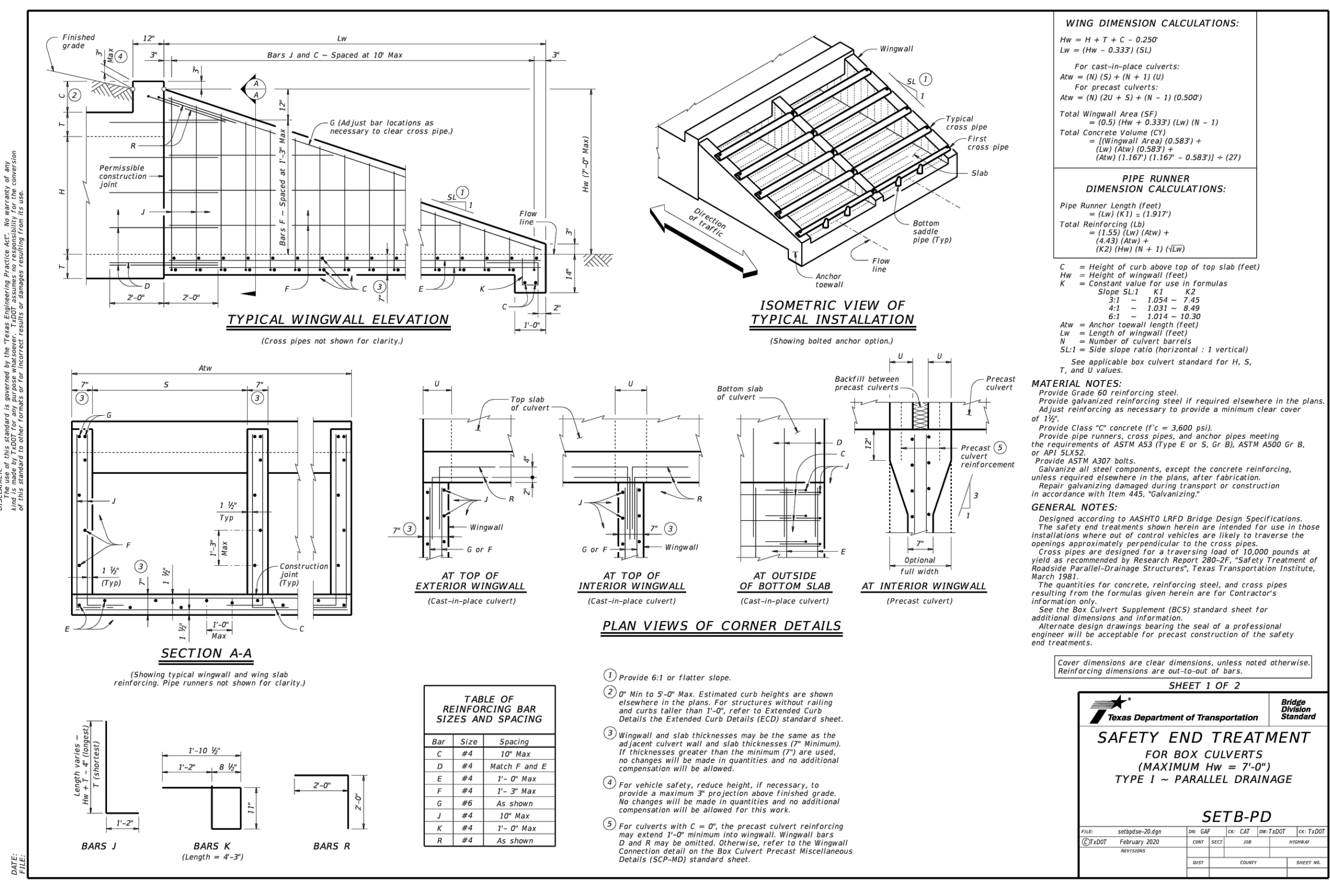
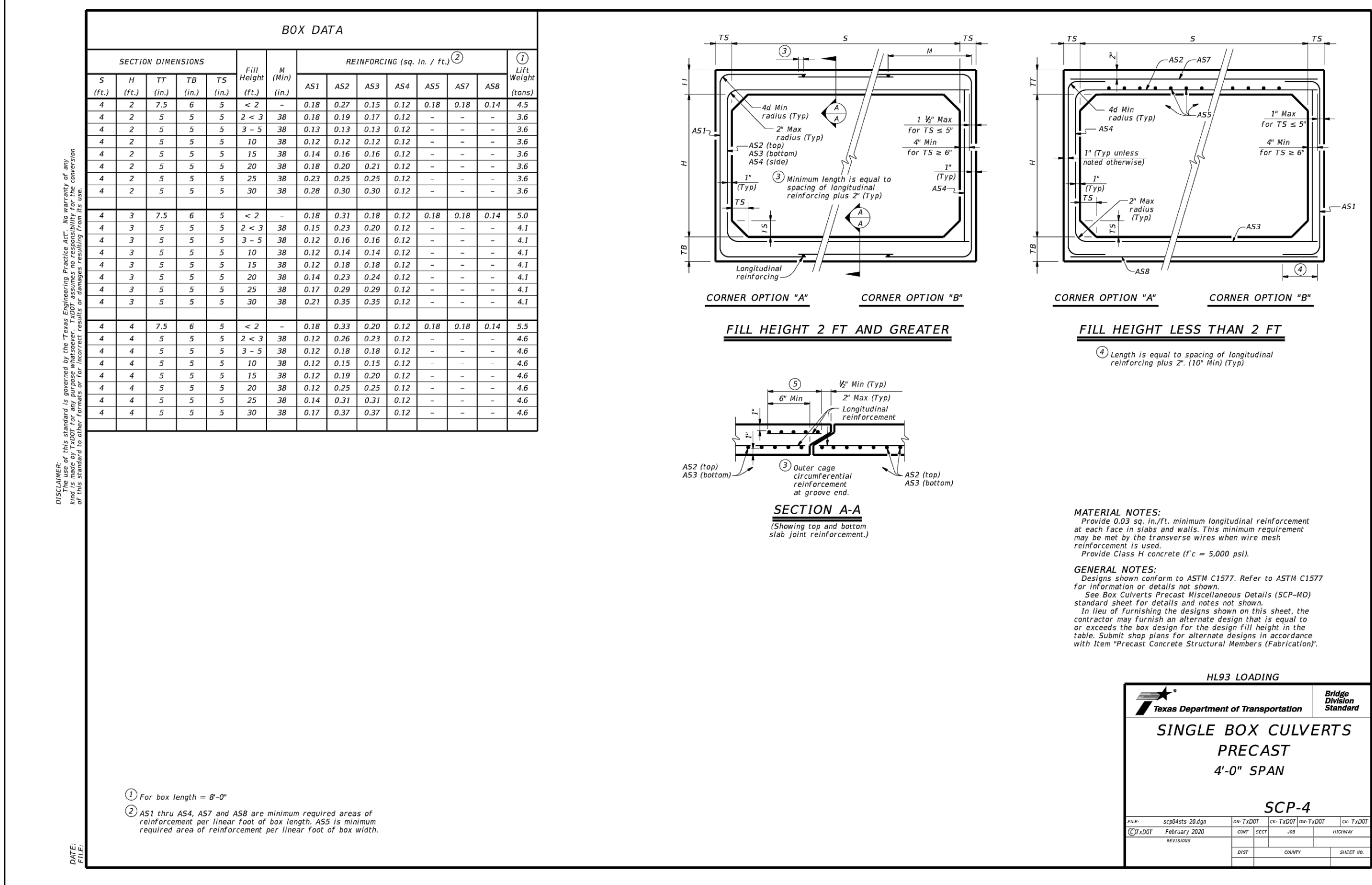
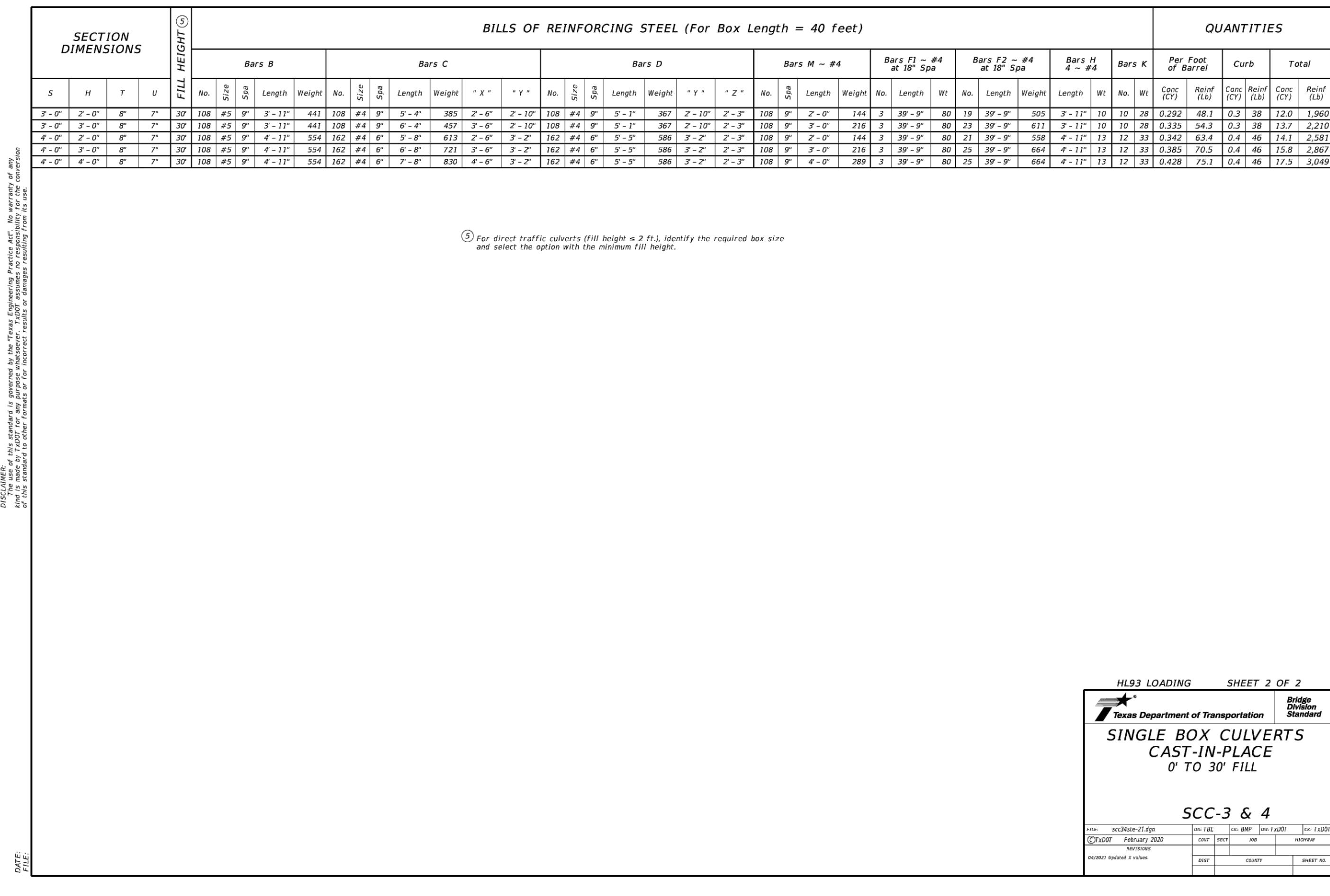
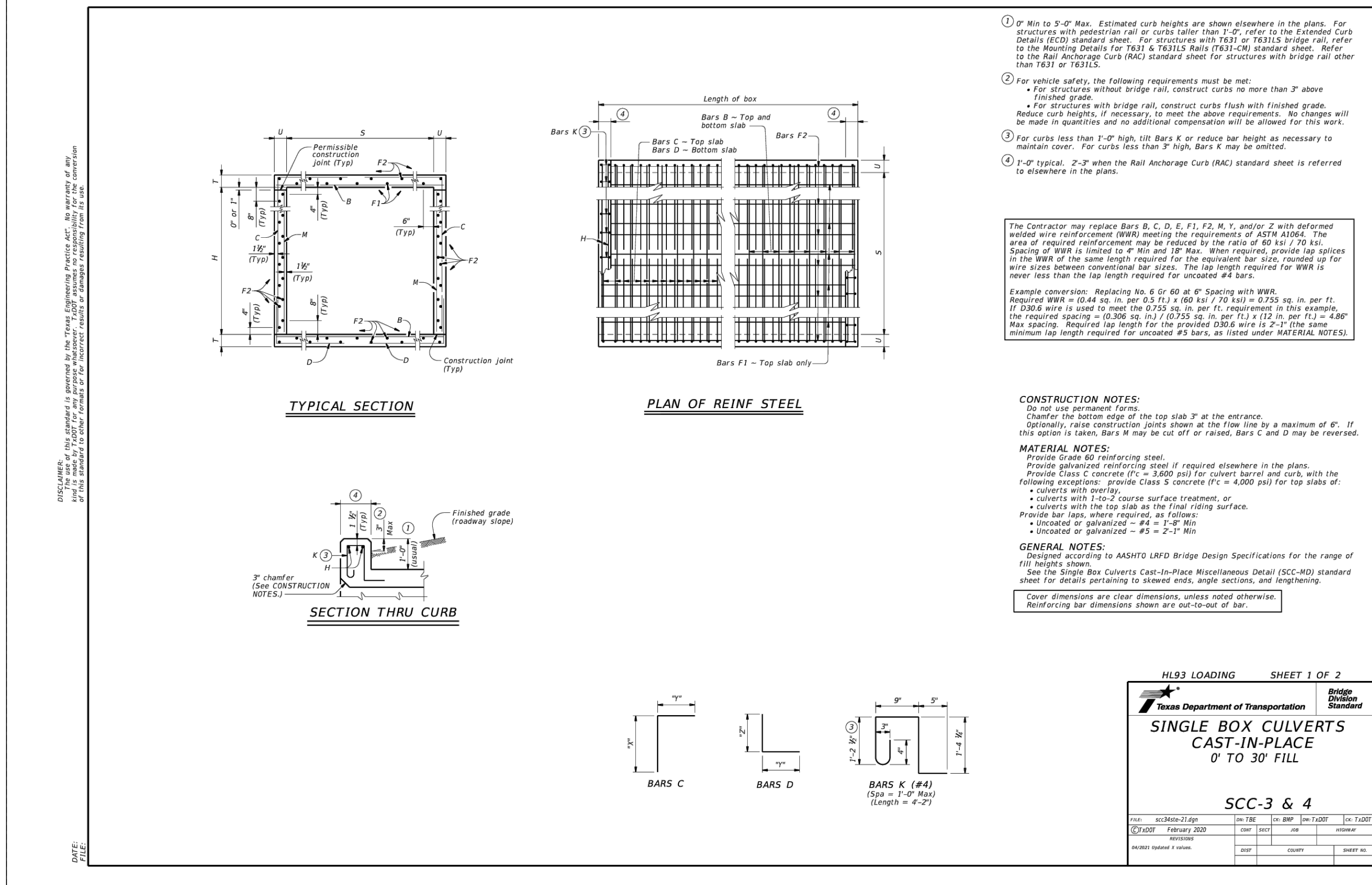
RAISED PAVEMENT MARKERS

POSITION GUIDANCE USING RAISED PAVEMENT MARKERS

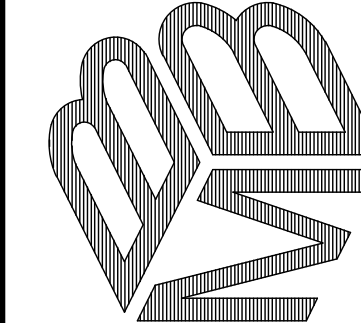
REFLECTORIZED PROFILE MARKINGS PM(2)-22

ITEM	POST-22.00g	DATE	BY	CHKD	APP'D	REVISION
1	11-18	8-20	6-20			
2	11-18	8-20	6-20			
3	11-18	8-20	6-20			
4	11-18	8-20	6-20			
5	11-18	8-20	6-20			
6	11-18	8-20	6-20			
7	11-18	8-20	6-20			
8	11-18	8-20	6-20			
9	11-18	8-20	6-20			





BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
7073 San Pedro Avenue
San Antonio, Texas 78216
PH: 210-494-9223
TBPELS Registration No. F-1712



DRAINAGE DETAILS
for
SEDONA NORTH SUBDIVISION
TXDOT DRIVEWAY CONNECTION

JOB #: C-1576
DATE: 10/1/23
DESIGN: N. RAMONES
DRAWN: N. RAMONES
CHECKED: H. JARAMILLO
SHEET: 11 OF 11