

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 10

1. CONTRACTOR: Jordan Foster
2. Change Order Work Limits: Sta. 12+99 to Sta. 381+00
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 2E, 2I (3 Max. - In order of importance - Primary first)

Project: 1812-282

Roadway: Seward Junction

CSJ
Number: _____

5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order provides the final balancing for the overrun/underrun of Contract quantities for the small signs on the project as a result of addressing field conditions not accounted for in the original plans. **2I. Additional safety needs (unforeseeable):** Small signs have been added to the project to provide additional safety measures.

6. Work to be performed in accordance with Items: See attached

7. New or revised plan sheet(s) are attached and numbered: SW-15,16,129-135.S-14,15,70,71.SE-21,24,25,222-234C, 247A-247C

8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

<i>The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.</i> THE CONTRACTOR Date <u>08/06/2021</u> By <u>[Signature]</u> Typed/Printed Name <u>John Goodrich, P.E.</u> Typed/Printed Title <u>Executive Vice President</u>	The following information must be provided Time Ext. #: <u>2</u> Days added on this CO: <u>24</u> Amount added by this change order: <u>\$43,291.29</u>
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RECOMMENDED FOR EXECUTION:

[Signature] 8/10/21
Project Manager Date

N/A
Design Engineer Date

[Signature] 8/10/2021
Program Manager Date

Design Engineer's Seal:

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 10

Project # 1812-282

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
SEWARD JUNCTION SOUTHWEST (P No. 274)									
502-6001	BARRICADES, SIGNS, & TRAFFIC HANDLING	MO	\$2,450.00	20.00	\$49,000.00	1.00	21.00	\$51,450.00	\$2,450.00
644-6001	IN SM RD SN SUP&AM TY10BWG (1)SA(P)	EA	\$500.00	4.00	\$2,000.00	3.00	7.00	\$3,500.00	\$1,500.00
644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	\$485.00	1.00	\$485.00	2.00	3.00	\$1,455.00	\$970.00
644-6028	IN SM RD SN SUP&AM TYS80(1)SA(P-BM) CM	EA	\$1,160.00	0.00	\$0.00	1.00	1.00	\$1,160.00	\$1,160.00
644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)-2EXT	EA	\$941.00	0.00	\$0.00	1.00	1.00	\$941.00	\$941.00
644-6060	IN SM RD SN SUP&AM TYTWT(1)WS(P)	EA	\$365.00	7.00	\$2,555.00	10.00	17.00	\$6,205.00	\$3,650.00
644-6061	IN SM RD SN SUP&AM TYTWT(1)WS(T)	EA	\$420.00	2.00	\$840.00	(2.00)	0.00	\$0.00	(\$840.00)
658-6059	INSTL OM ASSM (OM-4)(FLX)(GND)	EA	\$100.00	3.00	\$300.00	(3.00)	0.00	\$0.00	(\$300.00)
658-6078	INSTL OM ASSM (OM-4)(TWT)(WAS)	EA	\$410.00	0.00	\$0.00	6.00	6.00	\$2,460.00	\$2,460.00
999-014	SIGN ONLY. SIGN 1 AND 6	EA	\$248.06	0.00	\$0.00	2.00	2.00	\$496.12	\$496.12
999-015	ADDITIONAL SMALL SIGNS	EA	\$147.71	0.00	\$0.00	9.00	9.00	\$1,329.39	\$1,329.39
999-016	REMOVE AND REPLACE SIGN ONLY. 4,8,&10	EA	\$200.00	0.00	\$0.00	3.00	3.00	\$600.00	\$600.00
999-017	NEW SIGN AND POST ASSEMBLY	EA	\$506.76	0.00	\$0.00	3.00	3.00	\$1,520.28	\$1,520.28
SEWARD JUNCTION SOUTHEAST (P No. 271)									
644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	\$500.00	0.00	\$0.00	3.00	3.00	\$1,500.00	\$1,500.00
644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	\$485.00	0.00	\$0.00	6.00	6.00	\$2,910.00	\$2,910.00
644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P)	EA	\$680.00	0.00	\$0.00	1.00	1.00	\$680.00	\$680.00
644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	\$700.00	0.00	\$0.00	2.00	2.00	\$1,400.00	\$1,400.00
644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA	\$941.00	0.00	\$0.00	2.00	2.00	\$1,882.00	\$1,882.00
644-6060	IN SM RD SN SUP&AM TYTWT(1)WS(P)	EA	\$365.00	9.00	\$3,285.00	1.00	10.00	\$3,650.00	\$365.00
TOTALS					\$58,465.00			\$83,138.79	\$24,673.79

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 10

Project # 1812-282

TABLE B: Contract Items (Continued)

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
658-6078	INSTL OM ASSM (OM-4)(TWT)(WAS)	EA	\$410.00	0.00	\$0.00	12.00	12.00	\$4,920.00	\$4,920.00
999-015	ADDITIONAL SMALL SIGNS	EA	\$147.71	0.00	\$0.00	20.00	20.00	\$2,954.20	\$2,954.20
SEWARD JUNCTION SOUTHWEST CROSSOVER @ US 183 (P No. 274)									
644-6001	IN SM RD SN SUP&AM TY10BWG (1)SA(P)	EA	\$500.00	6.00	\$3,000.00	1.00	7.00	\$3,500.00	\$500.00
644-6004	IN SM RD SN SUP&AM TY10BWG (1)SA(T)	EA	\$485.00	0.00	\$0.00	2.00	2.00	\$970.00	\$970.00
644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P)	EA	\$680.00	0.00	\$0.00	2.00	2.00	\$1,360.00	\$1,360.00
999-015	ADDITIONAL SMALL SIGNS	EA	\$147.71	0.00	\$0.00	6.00	6.00	\$886.26	\$886.26
999-017	NEW SIGN AND POST ASSEMBLY	EA	\$506.76	0.00	\$0.00	4.00	4.00	\$2,027.04	\$2,027.04
999-020	ADDITIONAL MOBILIZATION	LS	\$5,000.00	0.00	\$0.00	1.00	1.00	\$5,000.00	\$5,000.00
The "Totals" from Table B of the previous work sheet:					\$58,465.00			\$83,138.79	\$24,673.79
TOTALS					\$61,465.00			\$104,756.29	\$43,291.29

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

Seward Junction Improvements Williamson County Project No. 1812-282

Change Order No. 10

Reason for Change

This Change Order provides the final balancing for the overrun/underrun of Contract quantities for bid items related to small signs on the project as a result of addressing field conditions not accounted for in the original plans. This Change Order also adds small signs to the project to provide additional safety measures that include route markers to match the surrounding intersections, added street name signs, and revises the size of signs to make them consistent throughout the project.

There are four (4) roadway sections in the project, Southwest, US 183 Crossover, Southeast and CR 260. Each roadway section includes a specific set of pay items. Pay items that were originally included in the Southwest portion of the project are being added to the Southeast and Crossover portions. The Contractor has agreed to extend the original bid items costs from one portion to the others.

The following is a list of the new items being added to the contract. The bid price for most of these items match the price within the contract, but from other sections of the project. There are also a few new items with new prices that were negotiated with the Contractor.

ITEM	DESCRIPTION	QTY	UNIT
SEWARD JUNCTION SOUTHWEST (P No. 274)			
644-6028	IN SM RD SN SUP&AM TYS80(1)SA(P-BM) CM	1	EA
644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	1	EA
658-6078	INSTL OM ASSM (OM-4)(TWT)(WAS)	6	EA
999-014	SIGN ONLY. 1 AND 6.	2	EA
999-015	ADDITIONAL SMALL SIGNS	9	EA
999-016	REMOVE AND REPLACE SIGN ONLY. 4,8,10	3	EA
999-017	NEW SIGN AND POST ASSEMBLY	3	EA

ITEM	DESCRIPTION	QTY	UNIT
SEWARD JUNCTION SOUTHEAST (P No. 271)			
644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P) **	3	EA
644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T) **	6	EA
644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P) **	1	EA

644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T) **	2	EA
644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	2	EA
658-6078	INSTL OM ASSM (OM-4)(TWT)(WAS)	12	EA
999-015	ADDITIONAL SMALL SIGNS	20	EA

SEWARD JUNCTION CROSSOVER (P No. 274)			
644-6004	IN SM RD SN SUP&AM TY10BWG (1)SA(T) **	2	EA
644-6027	IN SM RD SN SUP&AM TYS80(1)SA(P) **	2	EA
999-015	ADDITIONAL SMALL SIGNS	6	EA
999-017	NEW SIGN AND POST ASSEMBLY	4	EA
999-020	ADDITIONAL MOBILIZATION	1	LS

** Designates items that were originally included in the Southwest portion of the project and are being added to the Southeast and Crossover portions.

This Change Order results in a net increase of \$43,291.29 to the Contract amount, for an adjusted Contract total of \$14,004,626.93. The original Contract amount was \$13,270,258.10. As a result of this and all Change Orders to-date, \$734,368.83 has been added to the Contract, resulting in an 5.5% net increase in the Contract cost.

HNTB Corporation

Lowell D. Choate, P.E.

Small Sign Break-down:

SJSW:

1. 644-6028-IN SM RD SN SUP&AM TYS80(1)SA(P-BM) CM: **\$1,160.00**. Labor: \$250.00+Material \$910.00=\$1,160.00Ea.
2. 644-6033-IN SM RD SN SUP&AM TYS80(1)SA(U) 2EXT: **\$941.00**. Labor: \$227.75+Mat. \$1,869.75/3=\$623.25=\$941.00Ea.
SJSW HAS 1 (\$941) AND SJSE HAS 2 (\$1882).
3. 658-6078-INSTL OM ASSM (OM-4)(TWT)(WAS): **\$2,460.00**: Labor:\$259.75+Mat. \$150.25=\$410.00Ea. (18 Total)
SJSW HAS 6 (\$2460) OF THESE AND SJSE HAS 12 (\$4920).
4. 999-014-SIGN ONLY. 1 AND 6: **\$496.12**. \$248.06 Ea. (2 Total) Invoice price for signs. Post paid under existing bid item.
5. 999-015-ADDITIONAL SMALL SIGNS. New signs at \$147.71 ea. Invoice total divid by total signs. 35)
SJSW HAS 9, SJSE HAS 20, SJ SOUTH HAS 6. **\$147.71x9=\$1,329.39**.
6. 999-016-REMOVE AND REPLACE SIGN ONLY. 4, 8, & 10. **\$600.00**. Labor: \$110.61+Mat. \$89.39=\$200.00Ea. (3 Total)
7. 999-017-NEW SIGN AND POST ASSEM: **\$1,520.25**. Labor and Materials: \$3547.30/7 signs=\$506.75 Ea.
SJSW HAS 3 AND SJ SOUTH HAS 4.

SJSE:

- 1st 4 new items are existing bid prices from other section of the project.
2. 644-6033-IN SM RD SN SUP&AM TYS80(1)SA(U) 2EXT: **\$1,882.00**. Labor: \$227.75+Mat. \$1,869.75/3=\$623.25=\$941.00Ea.
SJSE has 2 of these. See above #2.
 3. 658-6078-INSTL OM ASSM (OM-4)(TWT)(WAS): **\$4,920.00** at \$410.00 ea. See above #3.
SJSE has 12 of these. See above #3.
 5. 999-015-ADDITIONAL SMALL SIGNS. New signs at \$147.71ea. Invoice total divided by total new signs.
SJSE has 20 at \$147.71ea. 147.71x20=**\$2,954.20**. See above #5.

SJ SOUTH

- 1st 4 new items are existing bid prices from other section of the project.
5. 999-015-ADDITIONAL SMALL SIGNS. New signs at \$147.71ea. Invoice total divided by total new signs.
SJ South has 6 at \$147.71ea. 147.71x6=**\$886.26**. See above #5.
 7. 999-017-NEW SIGN AND POST ASSEM: **\$2,027.00**. Labor and Materials: \$3547.30/7 signs=\$506.75 Ea.
SJ South has 4. See above #7.

 ESSI ENVIRONMENTAL SAFETY SERVICES INC.	Environmental Safety Services, Inc. 14101 US 290 W #2000-B Austin, TX 78737 Phone: 512-989-2259 Fax: 512-372-9375
	** CERTIFIED DBE / MBE / HUB / HABE / SBE CONTRACTOR **
COA/TXDOT MBE/DBE #: VS0000012711, SCTRCA SBE/MBE/HABE #: 215049005, Texas HUB #: 1260203041800	

Bid Date: March 3, 2021
Project: Seward Junction Improvements - Change Order Work ADD Signs
Owner: Williamson County

Proposal #: 0421-1588
2nd CO

Environmental Safety Services proposes to provide all the materials, labor, equipment and supervision necessary to perform the following work at the above referenced project per plans and specifications.

ITEM #	DESCRIPTION	UNIT	QUANTITIES	BID PRICE	EXT. PRICE
	SEWARD JUNCTION SOUTHWEST SM SIGNS			\$365.00	\$2,920.00
1	Install Sm Rd Sgn TWT (1) WS P	EA	8.00	\$131.88	\$9,712.00
	Center Turn Lane Signs. 6, "S" Curve Sign. 1			Labor \$250.00	
	Right Lane Must Turn Right Sign. 1			Material \$189.01	
				Concrete \$30.00	
1.	2	Install Sm Rd Sgn S80 (1)SA(P) (BM) CM	EA	1.00	\$1,160.00
	Stop Sign Assembly at US 183 SB on EB			Labor \$250.00	
	SJSW. Concrete Mount			Material \$880.00	
				Concrete \$30.00	
6.	3	Replacement Sign #4, #8, #10	EA	3	\$200.00
				Labor \$110.61	\$600.00
				Material \$89.39	
7.	4	New Sign and Post	EA	2.00	\$592.65
	Sign 16 and 23			Labor \$200.00	
				Material \$392.65	
7.		Install New Post for added existing sign	EA	1.00	\$450.00
	Sign 12 on CR 263			Labor \$197.55	
				Material \$252.45	
	SEWARD JUNCTION SOUTHEAST SM SIGNS			\$500.00	\$500.00
1	Install SM RD SGN 10BWG (1) SA P	EA	1.00	\$625.45	\$625.45
	Stop Sign at Church Driveway			Labor \$250.55	
				Material \$344.90	
				Concrete \$30.00	
	SEWARD JUNCTION SOUTH SM SIGNS				
7.	1	New Sign and Post Assembly For	EA	4.00	\$478.00
	Signs 20, 24, 33, & 39			Labor \$200.95	\$1,912.00
				Material \$277.05	
					\$8727.30
	TOTAL				\$9,244.75

Notes:

All permits, lane closures and traffic control are excluded.

All layout is excluded.

General Contractor to provide access and staging area for ESSI materials & equipment.

All maintenance is excluded.

All clearing, topsoil, soil preparation (including diskings!), herbicide, mowing, weeding and watering are excluded.

Sign & object marker pricing reflects new signs and posts and installing a minimum of 10 per move-in.

No temporary signs/mounts, covering or turning of signs, solar or electrical is included.

All shoring and mass excavation are excluded.

All dewatering is excluded.

No sales tax is included in above pricing. If exempt, please send an exemption certificate.

If bond is required, add 2.5% of contract amount and place in mobilization.

Pricing is good for thirty (30) days.

*****All bid prices are negotiable.*****

1185.30
 450.00
 +1912.00
 3547.30
~~2547.30/7 = 506.76~~
 3547.30/7 = 506.76

Highlighted areas are the same work, post assembly switch and new signs. To create 1 line item, the total was tallied and divided by the 7 signs to generate a single amount for each. (\$506.76)

Respectfully submitted by Nic Zdansky, Project Manager/Estimator

Accepted by: _____

Date: _____



ESSI
ENVIRONMENTAL SAFETY SERVICES INC.

**Environmental Safety Services,
Inc. 14101 US 290 W #2000-B
Austin, TX 78737**

**Phone: 512-989-2259
Fax: 512-372-9375**

**** CERTIFIED DBE / MBE / HUB / HABE / SBE CONTRACTOR ****

COA/TXDOT MBE/DBE #: VS0000012711, SCTRCA SBE/MBE/HABE #: 215049005, Texas HUB #: 1260203041800

Bid Date: March 3, 2021
Project: Seward Junction Improvements - Change Order Work ADD Signs
Owner: Williamson County

Proposal #: 0221-1588 C.O.REV
Final #2

Environmental Safety Services proposes to provide all the materials, labor, equipment and supervision necessary to perform the following work at the above referenced project per plans and specifications.

ITEM #	DESCRIPTION	UNIT	QUANTITIES	BID PRICE	EXT. PRICE
SEWARD JUNCTION SOUTHWEST SM SIGNS					
1	Signs for 10BWG(1)SA(T) Sign # 1&6	EA	2.00	\$750.00	\$1,500.00
2	Signs for 10BWG(1)SA(P) Sign # 5 Extra	EA	1.00	\$500.00	\$500.00
3	Signs for 600(1)SA(P) Stop Ahead Sign	EA	1.00	\$600.00	\$600.00
4	Signs for Existing Mounts 3 EA Seward Junction, 2EA SH29, CR 213, Cross Traffic Does Not Stop, Stop 48x48	EA	11.00	\$160.00	\$1,760.00
5	Sign Exchange # 4 to smaller size 30X36	EA	1.00	\$150.00	\$150.00
6	Signs for 800(1)SA(P-BM) #23	EA	1.00	\$960.00	\$960.00
			Labor	\$300.62	
			Material	\$637.30	
			Concrete	\$30.00	\$2,823.00
7	Signs for S80(1)SA(U) 2 EXT#24 2.	EA	3.0	\$941.00	\$941.00
			Labor	\$320.78	
			Material	\$590.22	
			Concrete	\$30.00	
9	Signs for TWT(1)WG(T) #10 Replacement	EA	1.00	\$200.00	\$200.00
9	Signs for TWT(1)WG(P) #21&22	EA	2.00	\$365.00	\$730.00
10	658-6078 Inst OM Assm OM-4(TWT) WAS 3.	EA	6.00	\$410.00	\$2,460.00
			Labor	\$259.75	
			Material	\$120.25	
			Concrete	\$30.00	
SEWARD JUNCTION SOUTHEAST SM SIGNS					
1	Signs for 10BWG(1)SA(T)	EA	6.00	\$185.00	\$2,910.00
2	Signs for 10BWG(1)SA(P)	EA	3.00	\$500.00	\$1,500.00
3	Signs for 800(1)SA(P)	EA	1.00	\$600.00	\$600.00
4	Signs for 600(1)SA(U) one is 2EXT Post	EA	2.00	\$962.50	\$1,925.00
			Labor	\$292.74	
			Material	\$639.76	
			Concrete	\$30.00	
5	Signs for TWT(1)WG(P)	EA	3.00	\$365.00	\$1,095.00
6	Signs For Existing Mounts #4 & #5 Sheet 10 of 10 Used @ 2EXT Mounts	EA	2.00	\$1,015.00	\$2,026.00
7	Signs for TWT(1)WG(T) 2 Extra One Way Signs	EA	2.00	\$420.00	\$840.00
8	658-6078 Inst OM Assm OM-4(TWT) WAS 3.	EA	12.00	\$410.00	\$4,920.00
			Labor	\$259.75	
			Material	\$120.25	
			Concrete	\$30.00	



6721A FM 535
CEDAR CREEK, TEXAS 78612
WWW.CAMPBELLSSOT.COM

(512) 674-3541 FAX (512) 674-3526

Invoice

Date	Invoice #
3/9/2021	18879

Bill To
Environmental Safety Services, Inc. 14101 US Hwy 290 W BLDG 2000, STE B Austin, TX 78737

Ship To

P.O. Number	Terms	S.O No	Rep.
0221-1588	Net 30 Days		

Qty	Item Code	Description	Price Each	Amount
		SEWARD JUNCTION SOUTHWEST SM SIGNS		
4. 2	M SGN 10BW...	Signs for 10BWG(1)SA(T)	248.06	496.12
	7	Municipal Signs	82.43	577.01
	1	M SGN S80(1)...	393.64	393.64
	1	M SGN S80(1)...	335.33	335.33
5. 2	M SGN TWT(...)	Signs for TWT(1)WS(P) 2 Signs.	55.87	111.74
		SEWARD JUNCTION SOUTHEAST SM SIGNS		
	7	M SGN 10BW...	205.327	1,437.29
	1	Municipal Signs	82.43	82.43
	3	M SGN S80(1)...	420.98	1,262.94
	3	M SGN S80(1)...	386.26	1,158.78
	3	M SGN TWT(...)	86.80	260.40
	1	M SGN TWT(...)	110.34	110.34
		SEWARD JUNCTION SOUTH SM SIGNS		
	4	M SGN 10BW...	119.32	477.28
	5	Municipal Signs	126.15	630.75
	2	M SGN S80(1)...	320.88	641.76
		SEWARD JUNCTION CHANGE ORDER		
		Total Signs. 22.		\$4,301.75

A late fee of 1.5% per month (18% per annum) will be charged on all overdue invoices and added to the invoice.

PLEASE REMIT PAYMENT TO:
CAMPBELL'S SIGNS OF TEXAS, LLC
6721A FM 535
CEDAR CREEK, TX 78612

Total	\$7,325.99
Payments/Credits	\$0.00
Balance Due	\$7,325.99



6721A FM 535
CEDAR CREEK, TEXAS 78612
WWW.CAMPBELLSSOT.COM

(512) 674-3541 FAX (512) 674-3526

Invoice

Date	Invoice #
3/29/2021	18902

Bill To
Environmental Safety Services, Inc. 14101 US Hwy 290 W BLDG 2000, STE B Austin, TX 78737

Ship To

P.O. Number	Terms	S.O No	Rep.
	Net 30 Days		

Qty	Item Code	Description	Price Each	Amount
5.	1	Municipal-Signs R1-1 48" Stop SW	171.00	171.00
	3	Municipal-Signs W4-4P 36" x 18" Cross Traffic Does Not Stop SE	50.68	152.04
	1	TxDot Small Si... W4-4P 24" x 12" Cross Traffic Does Not Stop SW	24.79	24.79
	2	Municipal-Signs R6-1R 34" X 18" One way Right SW	65.81	131.62
	1	Municipal-Signs M3-1 24" x 12" North SW	19.50	19.50
	1	Municipal-Signs D3-1 36" X 12" SH 29 Double Sided Street Blade SE	85.00	85.00
	2	Municipal-Signs Replace Numbers on Street Blades SE	45.00	90.00
	1	Municipal-Signs W3-1 36" x 36" Stop Ahead Symbol SW	112.79	112.79
	1	Municipal-Signs R3-8 LMK 36" X 30" Lt Only Straight Right SW	81.38	81.38
		Seward Junction Additional Signage		
		SW=7 Signs.		
		SE=6 Signs.		
		13 signs this sheet.		
		Total new signs is 35.		
		4301.75		
		+868.12		
		\$5169.35/35=\$147.71 ea.		

A late fee of 1.5% per month (18% per annum) will be charged on all overdue invoices and added to the invoice. PLEASE REMIT PAYMENT TO: CAMPBELL'S SIGNS OF TEXAS, LLC 6721A FM 535 CEDAR CREEK, TX 78612	Total	\$868.12
	Payments/Credits	\$0.00
	Balance Due	\$868.12

3.



Buda, TX 78610

5124376499

Thank you for Your Business

Customer Signature: Dobie Rep Signature: Date: 03-04-21

Invoice

Date 2/9/2021

Invoice # 32301

Bill To

Environmental Safety Services, Inc.
14101 Hwy 290 W.
#2000-B
Austin, TX 78737

Ship To

Environmental Safety Services, Inc.
14101 Hwy 290 W.
#2000-B
Austin, TX 78737

P.O. No.

#0221-1588

Terms

Net 30

Rep

VB

Ship Date

2/9/2021

Via

CPU

FOB

Qty	Item	Description	Rate	U/M	Amount
		Seward Junction Object Markers			
18.00	81302	658-6078 INSTL OM ASSM (OM-4) (TWT) (WAS) 18"X18" Diamond .080 HIP RED with 9 reflectors (End Road Marker) Object Marker (OM-4)	35.00	ea	630.00
18.00	30291 ...	2 3/8"x13' Round 13 Ga. Galv Post TWT	57.75	ea	1,039.50
18.00	30294	2 7/8"x27" Round Galv /Tapered Anchor TWT (Socket)	16.00	ea	288.00
18.00	30295	Wedge TWT	5.00	ea	90.00
36.00	30333 ...	TXDOT 2 3/8" Small Sign Clamp Assembly (Per Each)	3.25	ea	117.00
		#0221-1588 order placed by Stacey 8:41 AM-VB Nick added (2) OM-4 assbly 12:30 PM 3/3/21-TW			

We really appreciate your business.

If we can help with anything else, please call us at 512-437-6499.

Val Byrd 512-632-9322 val@dobiesupply.com Sales Manager
Alex Carrisalez 512-939-4969 alex@dobiesupply.com Municipal Sales
Doug Phillips 512-709-1453 doug@dobiesupply.com General Manager

Remit payments to Dobie Supply, 3809 S. Second St., #D200, Austin, TX 78704

Subtotal

\$2,164.50

Sales Tax (8.25.

\$0.00

Total

\$2,164.50

Pymnts/Credits

\$0.00

Balance Due

\$2,164.50

Fax #	E-mail	Web Site
512-444-0796	accounting@dobiesupply.com	www.dobiesupply.com



Estimate

Date	Estimate #
5/3/2021	32638

Name / Address
Environmental Safety Services, Inc. 14101 Hwy 290 W. #2000-B Austin, TX 78737

Ship To
Environmental Safety Services, Inc. 14101 Hwy 290 W. #2000-B Austin, TX 78737

P.O. No.	Terms	Rep
	Net 30	VB

Qty	Item	Description	U/M	Rate	Total
		SOUTHWEST			
8.00	00270-GR...	IN SM RD SN SUP&AM TYTWT(1)WS(P)		183.8125	1,470.50
✓ 1.00	00105	IN SM RD SN SUP&AM TYS80(1)SA(P-BM)-CM	ea	880.00	880.00
2.00	00115-GR...	IN SM RD SN SUP&AM TYS80(1)SA(P)		392.65	785.30
1.00	81063-GR...	30"x36" HIM printed sign with UV overlay on .080 aluminum R3-5R		89.93	89.93
1.00	30307	SCH 80 14' POST only	ea	252.45	252.45
		SOUTH			
2.00	00005-GR...	IN SM RD SN SUP&AM TY10BWG(1)SA(P)		161.445	322.89
2.00	00115-GR...	0644 6030 IN SM RD SN SUP&AM TYS80(1)SA(P)		392.65	785.30
		SOUTH EAST			
1.00	00020-GR...	IN SM RD SN SUP&AM TY10BWG(1)SA		344.90	344.90
		PLEASE ALLOW 5-10 BUSINESS DAYS FOR SIGN FABRICATION			

ESTIMATES VALID FOR 7 DAYS- CONFIRM STOCK WHEN PLACING ORDER Signature _____	Total \$4,931.27
---	----------------------------

Phone #	Fax #	E-mail	Web Site
5124376499	512-444-0796	accounting@dobiesupply.com	www.dobiesupply.com



P.O. Box 938
Round Rock, TX 78680
EIN# 74-2516771
(512) 388-0588 ph
(512) 388-0417 fax

INVOICE

Invoice #
152857
Invoice/Ship Date
3/12/2021

1588

Sold to:

ENVIRONMENTAL SAFETY SERVICES
14101 US 290 W. BLDG. 2000 STE B
AUSTIN, TX 78737

Deliver to:

CUSTOMER PICK UP

Customer PO	Ship Via	Telephone	Ref. No.	Order Date	SLS #	Terms
VERB NICK	CPU	512-989-2259	R-3129	3/12/2021	RJC	Net 30

Units	Description	Qty	U/M	Unit Price	Amount
4	2-1/2" x 16' BWG 10 SIGN POST	4.0	EA	88.00	352.00
2	TRIANGLE SLIP BASE CASTINGS W/3 SET BOLTS (UAS1)	2.0	EA	37.00	74.00
2	2-1/2" X 16' SCH 80 SIGN POST	2.0	EA	196.00	392.00
2	BOLTDOWN TRIANGULAR SLIPBASES	2.0	EA	67.00	134.00
2	TRIANGLE BOLT KEEPER PLATE	2.0	EA		
6	5/8" X 2 1/2" BOLT, NUT & 3 WASHERS	6.0	EA		
6	2-1/2" FRICTION CAP	6.0	EA		
4	UNIVERSAL SIGN MOUNTING BRACKET	4.0	EA		
4	2-1/2" U-BOLTS WITH 2 NUTS & 2 LOCK WASHERS	4.0	EA	2.12	8.48
4	5/16" X 1 1/4" BOLT, NUT, LOCK WASHER , NYLON WASHER & FLAT WASHER	4.0	EA		
16	5/8" X 6" W.A. NUT & WASHER	16.0	EA		

Please send current Tax Exempt Cert	For 2021	Amount	\$960.48
		Tax (0.0%)	\$0.00
		Total	\$960.48

Job Name: SEWARD JUNCTION
Job #: IMPROV
General: JORDAN FOSTER



Invoice

Buda, TX 78610

5124376499

Date 3/11/2021
Invoice # 32623

Bill To	Ship To
Environmental Safety Services, Inc. 14101 Hwy 290 W. #2000-B Austin, TX 78737	Environmental Safety Services, Inc. 14101 Hwy 290 W. #2000-B Austin, TX 78737

P.O. No.	Terms	Rep	Ship Date	Via	FOB
Seward Junction...	Net 30	VB	3/4/2021	CPU	

Qty	Item	Description	Rate	U/M	Amount
1.25	LSL-TX...	TXDOT Aluminum Windbeam - windbeam support for guide signs 2.5"x3" 1.175 lbs/ft 20ft (\$3.26/lb)	65.20	ea	81.50
		(6) 32"			
		(4) 20"			
9.00	32015	Cross Piece, 12" 90 degree flat (25 per box)	13.00	ea	117.00
10.00	32014	Post cap for 2 7/8" post with 12" FLAT Blade	17.50	ea	175.00
40.00	LSL-3/...	3/8"x4 1/2" SQ Head bolt	2.00	ea	80.00
40.00	LSL-3/...	3/8" Galv flat washer	0.06	ea	2.40
40.00	LSL-3/...	3/8"x16 Galv nut	0.08	ea	3.20
40.00	LSL-3/...	3/8" Galv lock washer	0.08	ea	3.20
40.00	30338 ...	Universal Casting (Sign mount bracket)	2.16	ea	86.40
40.00	LSL-#...	#8x3/4" Tek screw	0.02		0.80
		Williamson County Seward Junction Stacey Rinehart			

We really appreciate your business.
If we can help with anything else, please call us at 512-437-6499.

Val Byrd 512-632-9322 val@dobiesupply.com Sales Manager
Alex Carrisalez 512-939-4969 alex@dobiesupply.com Municipal Sales
Doug Phillips 512-709-1453 doug@dobiesupply.com General Manager

Remit payments to Dobie Supply, 3809 S. Second St., #D200, Austin, TX 78704

Subtotal	\$549.50
Sales Tax (8.25)	\$0.00
Total	\$549.50
Pymnts/Credits	\$0.00
Balance Due	\$549.50

Fax #	E-mail	Web Site
512-444-0796	accounting@dobiesupply.com	www.dobiesupply.com



P.O. Box 938
Round Rock, TX 78680
EIN# 74-2516771
(512) 388-0588 ph
(512) 388-0417 fax

INVOICE

Invoice #
152632
Invoice/Ship Date
3/2/2021

Sold to:

ENVIRONMENTAL SAFETY SERVICES
14101 US 290 W. BLDG. 2000 STE B
AUSTIN, TX 78737

Deliver to:

*** REVISED ***
CUSTOMER PICK UP

Customer PO	Ship Via	Telephone	Ref. No.	Order Date	SLS #	Terms	
VERB	CPU	512-989-2259	Y-5004	3/2/2021	CRY	Net 30	
Units	Description			Qty	U/M	Unit Price	Amount
	INCLUDES						
200	2" U-BOLTS WITH 2 NUTS & 2 LOCK WASHERS			200.0	EA		
100	2-1/2" U-BOLTS WITH 2 NUTS & 2 LOCK WASHERS			100.0	EA		
300	UNIVERSAL SIGN MOUNTING BRACKET			300.0	EA		
300	5/16" X 1 1/4" BOLT, NUT, LOCK WASHER , NYLON WASHER & FLAT WASHER			300.0	EA		
4	10BWG(1)SA(P) - CHANGE ORDER			4.0	EA	151.00	604.00
11	10BWG(1)SA(T)- CHANGE ORDER			11.0	EA	201.00	2,211.00
1	S80(1)SA(P)(BM)- CHANGE ORDER			1.0	EA	228.00	228.00
3	S80(1)SA(T)-CHANGE ORDER			3.0	EA	292.00	876.00
1	S80(1)SA(U) - CHANGE ORDER			1.0	EA	312.00	312.00
5	TWT(1)WS(P) - CHANGE ORDER			5.0	EA	54.00	270.00
1	TWT(1)WS(T)- CHANGE ORDER			1.0	EA	95.00	95.00
2	S80(1)SA(U-2EXT)			2.0	EA	355.00	710.00
2	S80(1)SA(T-2EXT)			2.0	EA	335.00	670.00
* BASES PICK UP ON #152611							
</							

Job Name: SEWARD JUNCTION

Job #:

General:



P.O. Box 938
Round Rock, TX 78680
EIN# 74-2516771
(512) 388-0588 ph
(512) 388-0417 fax

INVOICE

Invoice #
152632
Invoice/Ship Date
3/2/2021

Sold to:

ENVIRONMENTAL SAFETY SERVICES
14101 US 290 W. BLDG. 2000 STE B
AUSTIN, TX 78737

Deliver to:

*** REVISED ***
CUSTOMER PICK UP

Customer PO	Ship Via	Telephone	Ref. No.	Order Date	SLS #	Terms
VERB	CPU	512-989-2259	Y-5004	3/2/2021	CRY	Net 30
Units	Description	Qty	U/M	Unit Price	Amount	
10	10BWG(1)SA(P)	10.0	EA	140.00	1,400.00	
1	10BWG(1)SA(T)	1.0	EA	181.00	181.00	
4	10BWG(2)SA(P)	4.0	EA	280.00	1,120.00	
4	S80(1)SA(P)(BM)	4.0	EA	228.00	912.00	
2	S80(1)SA(T)	2.0	EA	259.00	518.00	
1	S80(2)SA(P)	1.0	EA	456.00	456.00	
18	TWT(1)WS(P)	18.0	EA	53.00	954.00	
16	TWT(1)WS(T)	16.0	EA	85.00	1,360.00	
1	TWT(1)WS(P)-RELOCATE	1.0	EA	53.00	53.00	
	INCLUDES					
2	2 1/2" X 10' BWG 10 SIGN POST	2.0	EA			
8	2-1/2" x 12' BWG 10 SIGN POST	8.0	EA			
24	2-1/2" x 14' BWG 10 SIGN POST	24.0	EA			
4	2-1/2" x 16' BWG 10 SIGN POST	4.0	EA			
16	2-3/8" X .095 X 13' SIGN POST	16.0	EA			
25	2 3/8" X .095 X 15' SIGN POST	25.0	EA			
3	2-1/2" X 10' SCH 80 SIGN POST	3.0	EA			
2	2-1/2" X 12' SCH 80 SIGN POST	2.0	EA			
9	2-1/2" X 14' SCH 80 SIGN POST	9.0	EA			
3	2-1/2" X 16' SCH 80 SIGN POST	3.0	EA			
1	SOCKET	1.0	EA			
1	SIGN POST WEDGE	1.0	EA			
39	1/2" X 4" A325 BOLT, NUT, 2 FLAT WASHERS, LOCK WASHERS	39.0	EA			
102	2" FRICTION CAPS	102.0	EA			
29	2-1/2" FRICTION CAP	29.0	EA			
200	2" U-BOLT SIGN CLAMP ASSEMBLY	200.0	EA	2.04	408.00	
100	2 1/2" U-BOLT SIGN CLAMP ASSEMBLY	100.0	EA	2.12	212.00	
				Amount		
				Tax (0.0%)		
				Total		

Job Name: SEWARD JUNCTION
Job #:
General:

Job Name: SEWARD JUNCTION

Job #:

General:



CONSTRUCTION SUPPLY CO.
4500 5th Avenue South, Building A
Birmingham, AL 35222

Bill To: 124399

Invoice

DOCUMENT #	DOCUMENT DATE
9502256848	03/01/2021
ACCOUNT #	DUE DATE
124399	03/31/2021
PAYMENT TERMS	
Net due in 30 days	
PURCHASE ORDER #	
1588-0321001	
TOTAL AMOUNT IN USD	
768.36	

ENVIRONMENTAL SAFETY SERVICES INC.
14101 HWY 290 WEST BLDG 400 C
AUSTIN, TX 78737

To view and pay your bills online go to:
<https://ramtool.billtrust.com>

Enrollment Token: KVT XRM SLG

PLEASE REMIT PAYMENT ONLY TO:

Ram Tool Construction Supply Co
P O Box 743487
Atlanta, GA 30374-3487

BRANCH LOCATION		SHIP TO: 5337610		PLEASE REMIT PAYMENT ONLY TO:		
TX04 - AUSTIN 8013 EXCHANGE DRIVE AUSTIN, TX 78754		YARD/CSJ#0535-02-0486/1471 6204 OLD LOCKHART RD AUSTIN, TX 78747		DELIVERY METHOD		
				Truck Delivery		
				Ram Tool Construction Supply Co P O Box 743487 Atlanta, GA 30374-3487		
ITEM	MATERIAL/DESCRIPTION	SALES ORDER/ LINE	QTY	UNIT PRICE	EXTENDED PRICE	TAX AMT
10	TXI-MAXIMIZER 80LB BAG CONCRETE MAXIMIZER	6832084 / 10	78 EA	9.10000	709.80	58.56

For general inquiries:
arcustomerrequest@ramtool.com
(205) 599-7061/(800) 890-1988

For lien waivers:
lienwaiver@ramtool.com

Your AR account rep:
Cherish Reed
cherish.reed@ramtool.com
(205) 776-3208

Subtotal	709.80
Subtotal Before Tax	709.80
Tax (8.25%)	58.56
Total Amount in \$	768.36

SAVE TIME AND MONEY WITH OUR NEW PORTAL!



Choose from two easy ways to receive your invoices: email, or our secure online site, eInvoice Connect. With email delivery, your invoices are sent once per day, and you will receive a copy of your paper bill. With eInvoice Connect, you can be notified by email when new invoices are posted and search, download, print, and pay your bills online!
Visit <http://ramtool.billtrust.com> to enroll.

JORDAN FOSTER CONSTRUCTION
COST BREAKDOWN SUMMARY

Project: 1812-282 Seward Junction Improvements
JFC Job #: 20103

Item	Tech Spec #	Description	Unit	Change Order Unit Price	Change Order Quantity	Change Order Amount
CHANGE ORDER ITEMS						
Seward Junction Southwest						
1	644-6001	TY10BWG (1)SA(P)	EA	\$500.00	3.00	\$1,500.00
2	644-6004	TY10BWG(1)SA(T)	EA	\$485.00	2.00	\$970.00
3	644-6028	TYS80(1)SA(P-BM) CM	EA	\$1,160.00	1.00	\$1,160.00
4	644-6033	TYS80(1)SA(U)-2EXT	EA	\$941.00	1.00	\$941.00
5	644-6060	TYTWT(1)WS(P)	EA	\$365.00	10.00	\$3,650.00
6	658-6078	OM ASSM (OM-4)(TWT)(WAS)	EA	\$410.00	6	\$2,460.00
7	NEW	SIGNS 1 & 6 ONLY	EA	\$248.06	2	\$496.12
8	NEW	ADDITIONAL SMALL SIGNS	EA	\$147.71	9.00	\$1,329.39
9	NEW	REMOVE AND REPLACE SIGN ONLY. 4,8,&10	EA	\$200.00	3.00	\$600.00
10	NEW	NEW SIGN AND POST ASSEMBLY	EA	\$506.76	3	\$1,520.28
Seward Junction Southeast						
1	644-6001	TY10BWG (1)SA(P)	EA	\$500.00	3.00	\$1,500.00
2	644-6004	TY10BWG(1)SA(T)	EA	\$485.00	6.00	\$2,910.00
3	644-6027	TYS80(1)SA(P)	EA	\$680.00	1.00	\$680.00
4	644-6030	TYS80(1)SA(T)	EA	\$700.00	2.00	\$1,400.00
5	644-6033	TYS80(1)SA(U)-2EXT	EA	\$941.00	2.00	\$1,882.00
6	644-6060	TYTWT(1)WS(P)	EA	\$365.00	1.00	\$365.00
7	658-6078	OM ASSM (OM-4)(TWT)(WAS)	EA	\$410.00	12	\$4,920.00
8	NEW	ADDITIONAL SMALL SIGNS	EA	\$147.71	20	\$2,954.20
Seward Junction South/Crossover						
1	644-6001	TY10BWG (1)SA(P)	EA	\$500.00	1.00	\$500.00
2	644-6004	TY10BWG(1)SA(T)	EA	\$485.00	2.00	\$970.00
3	644-6027	TYS80(1)SA(P)	EA	\$680.00	2.00	\$1,360.00
4	New	ADDITIONAL SMALL SIGNS	EA	\$147.71	6.00	\$886.26
5	New	NEW SIGN AND POST ASSEMBLY	EA	\$506.76	4.00	\$2,027.04
6	New	ADDITIONAL MOBILIZATION	LS	\$5,000.00	1.00	\$5,000.00
TOTAL:						\$41,981.29

SUMMARY OF SIGNING AND MARKING ITEMS																
SIGNING & MARKING PLAN SHEET NO.	LOCATION	644 6001	644 6017	644 6027	644 6050	644 6060	658 6046	666 6003	666 6303	666 6036	666 6042	666 6048	666 6054	666 6078	666 6315	
		IN SM RD SN SUP&M TY10BWG(1)SA(P)	IN SM RD SN SUP&M TY10BWG(2)SA(P)	IN SM RD SN SUP&M TYS80(1)SA (P)	IN SM RD SN SUP&M TYS80(2)SA (P)	IN SM RD SN SUP&M TYTWT(1)WS (P)	INSTL OM ASSM (OM- 2X) (WC)GND	REFL PAV MRK TY I (W)4"(BRK) (100MIL)	RE PM W/RET REQ TY I (W)4"(SLD) (100MIL)	REFL PAV MRK TY I (W)8"(SLD) (100MIL)	REFL PAV MRK TY I (W)12"(SLD) (100MIL)	REFL PAV MRK TY I (W)24"(SLD) (100MIL)	REFL PAV MRK TY I (W)(ARROW)(100MIL)	REFL PAV MRK TY I (W)(WORD)(1 00MIL)	REFL PAV MRK TY I (W)(WORD)(1 00MIL)	RE PM W/RET REQ TY I (Y)4"(SLD) (100MIL)
		EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	LF	
		1 OF 2	SIGNING AND MARKING PLAN	2	1	2		1	1	108	430	430	340	106	4	4
2 OF 2	SIGNING AND MARKING PLAN	8	3		1	5	3	228	2,480				7	7	2,983	
PROJECT TOTALS		10	4	2	1	6	4	336	2,910	430	340	106	11	11	2,983	

SUMMARY OF TRAFFIC CONTROL ITEMS			
TRAFFIC CONTROL PLAN & PROFILE SHEET NO.	LOCATION	502	662
		6001	6060
		BARRICADES, SIGNS AND TRAFFIC HANDLING	WK ZN PAV MRK REMOV (W)4"(BRK)
		MO	LF
SHEET 1 OF 1	TRAFFIC CONTROL PLAN	3	117
	PROJECT TOTALS:	3	117

[illegible]

SUMMARY OF SMALL SIGNS							SMA RD SGN ASSM TY XXXXX (X) XX (X-XXXX)				
							Clear Sheet				
							Copy Sheet				
PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN TEXT	DIMENSIONS	ALUMINUM TYPE A	ALUMINUM TYPE G	Post Type	Posts (1 or 2)	Anchor Type	Mounting Designation	
							FRP = FIBERGLASS TWT = THIN-WALL 10BWG = 10 BWG S80 = Sch 80		UA = Univer-Conc UB = Univer-Bolt WA = Wedge-Conc SA = Slip-Conc SB = Slip-Bolt WS=Wedge Steel WP=Wedge Plastic	P = Prefab. "Plain" T = Prefab. "T" U = Prefab. "U"	1EXT or 2EXT = # of Ext. BM = Extruded Wind Beam WC = 1.12 #/ft Wing Chan. EXAL = Extruded Alum. Signs
70	20	R1-1	STOP	48" x 48"	x		10BWG	2	SA	P	
		D3-1G	US 183	42" x 12"	x						
		M3-3	SOUTH	VAR x 12"	x						
		R6-1L	ONE WAY ARROW	36" x 12"	x						
	21	W4-4P	CROSS TRAFFIC DOES NOT STOP	24" x 12"	x		10BWG	1	SA	R	
		R3-5L	ONLY	48" x 60"	x						
		M3-3	SOUTH	24" x 12"	x						
		M4-1	183	30" x 24"	x						
	23	M6-1	←	30" x 24"	x		10BWG	1	SA	P	
		R1-1	STOP	48" x 48"	x						
		D3-1G	US 183	42" x 12"	x						
		M3-3	SOUTH	VAR x 12"	x						
	24	R6-1L	ONE WAY ARROW	36" x 12"	x		S80	1	SA	P	
		W4-4P	CROSS TRAFFIC DOES NOT STOP	24" x 12"	x						
		R6-1L	ONE WAY ARROW	36" x 12"	x						
		D3-1G	US 183	42" x 12"	x						
39	M3-1	NORTH	VAR x 12"	x		S80	1	SA	P		
	R1-1	STOP	48" x 48"	x							
	W4-4P	CROSS TRAFFIC DOES NOT STOP	24" x 12"	x							
	R6-1R	ONE WAY ARROW	36" x 12"	x							
71	18	R6-1R	ONE WAY ARROW	36" x 12"	x		TWT	1	WS	P	
		R6-1R	ONE WAY ARROW	36" x 12"	x						
		R3-5L	ONLY	48" x 60"	x						
		M3-1	NORTH	24" x 12"	x						
	25	M4-1	183	30" x 24"	x		10BWG	1	SA	P	
		M6-1	←	30" x 24"	x						
		D21-1TDBL	SEWARD JUNCTION LP	12" x 96"	x						
		D21-1TDBL	SEWARD JUNCTION LP	12" x 96"	x						
	27	R3-7R	RIGHT LANE MUST TURN RIGHT	36" x 36"	x		TWT	1	WS	P	
		R3-7L	LEFT LANE MUST TURN LEFT	36" x 36"	x						
		R3-5L	ONLY	48" x 60"	x						
		R5-1a	WRONG WAY	42" x 30"	x						
	29	R3-5R	ONLY	48" x 60"	x		S80	2	SA	P	
		R5-1a	WRONG WAY	42" x 30"	x						
		R3-5R	ONLY	48" x 60"	x						
		R5-1a	WRONG WAY	42" x 30"	x						
30	R5-1	DO NOT ENTER	48" x 48"	x		10BWG	2	SA	P		
	R5-1	DO NOT ENTER	48" x 48"	x							
	R1-1	STOP	48" x 48"	x							
	D3-1G	US 183	42" x 12"	x							
33	M3-1	NORTH	VAR x 12"	x		10BWG	1	SA	P		
	R6-1L	ONE WAY ARROW	36" x 12"	x							
	R5-1	DO NOT ENTER	48" x 48"	x							
	R5-1	DO NOT ENTER	48" x 48"	x							
34	R5-1	DO NOT ENTER	48" x 48"	x		10BWG	1	SA	P		
	R3-5L	ONLY	48" x 60"	x							
	R5-1a	WRONG WAY	42" x 30"	x							
	R3-7L	LEFT LANE MUST TURN LEFT	36" x 36"	x							
36	R3-7R	RIGHT LANE MUST TURN RIGHT	36" x 36"	x		10BWG	2	SA	P		
	R3-7L	LEFT LANE MUST TURN LEFT	36" x 36"	x							
	R3-7R	RIGHT LANE MUST TURN RIGHT	36" x 36"	x							
	R3-7L	LEFT LANE MUST TURN LEFT	36" x 36"	x							
37	R3-7R	RIGHT LANE MUST TURN RIGHT	36" x 36"	x		TWT	1	WS	P		
	R3-7L	LEFT LANE MUST TURN LEFT	36" x 36"	x							
	R3-7R	RIGHT LANE MUST TURN RIGHT	36" x 36"	x							
	R										

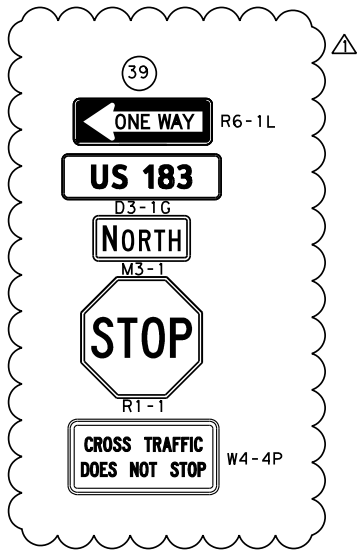
Professional Engineer Seal for B. Ryan Bell, State of Texas, License No. 92578, dated 1/12/2021.

SUMMARY OF SMALL SIGNS

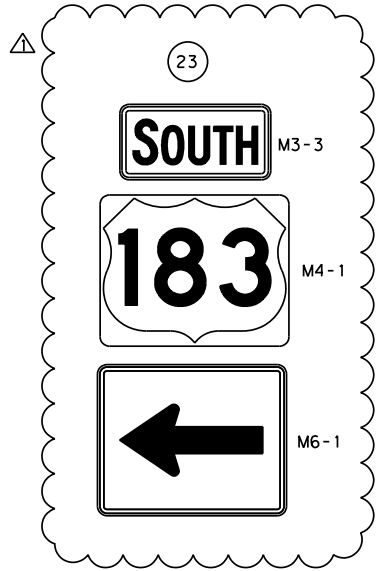


SHEET
NUMBER 15 OF 92

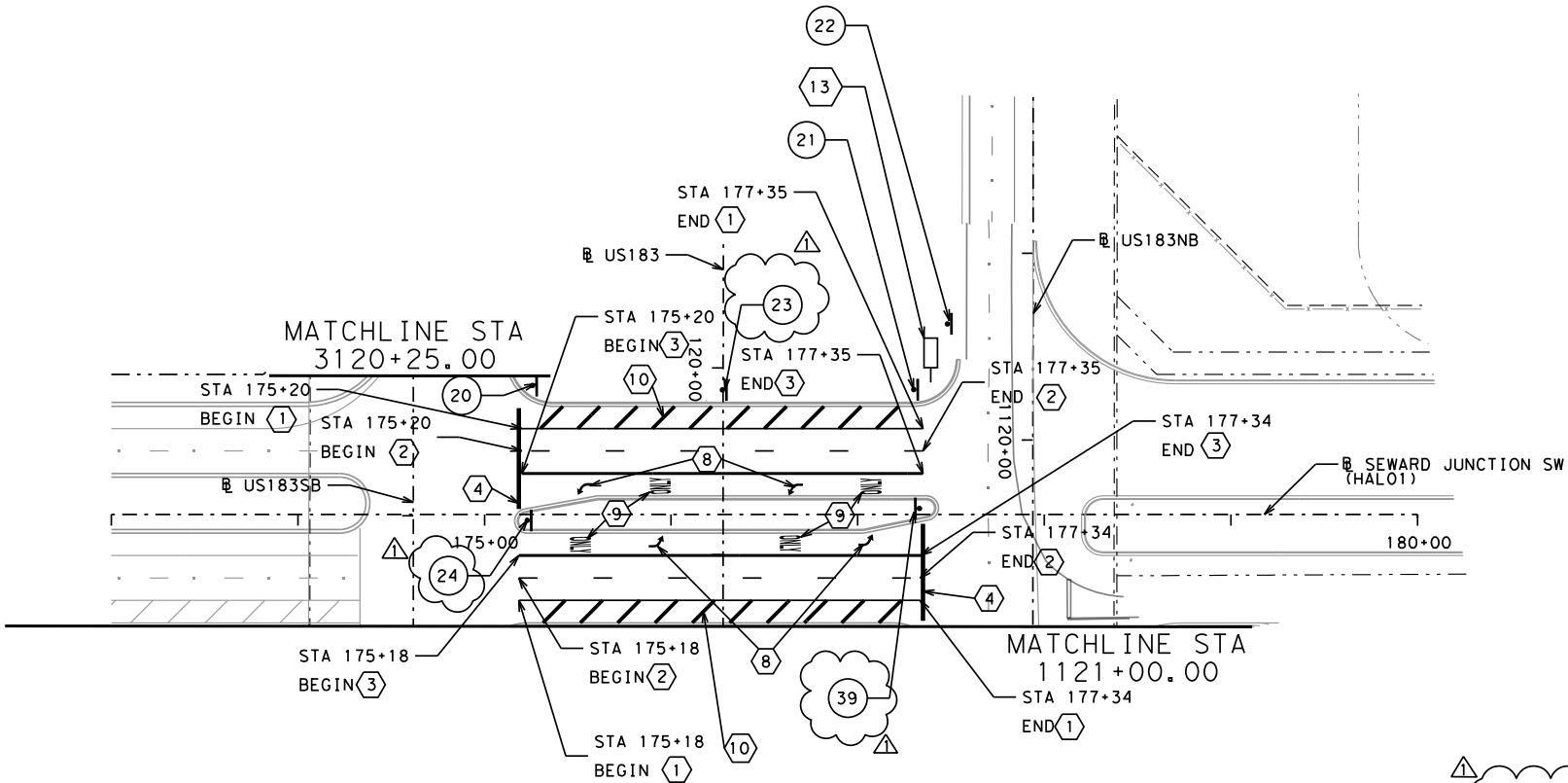
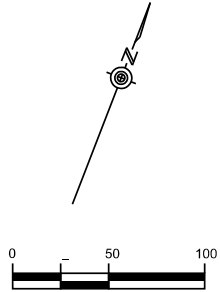
X:\Projects\0599-Seward Junction SW Construction Phase\Drawings\Sheets\US 183 at Seward Junction\US 183 at Seward Junction.dgn modified by RBall on 1/12/2021 - 10:15:44 AM



All W4-4P signs
need to be 36"x18"

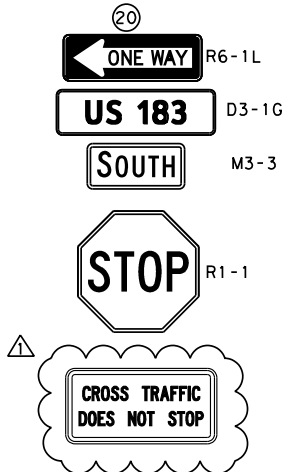
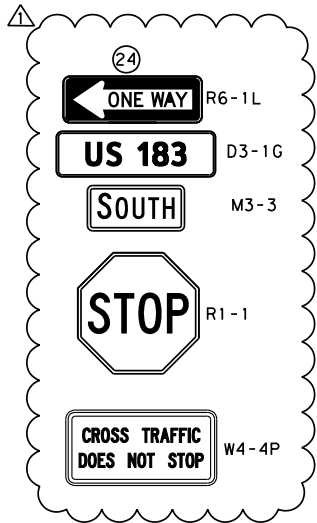


- LEGEND
- PROPOSED R.O.W.
 - PROPOSED EOP
 - EXISTING EOP
 - EXISTING PARCELS
 - BI-DIRECTIONAL DELINEATOR
 - SIGN
 - OBJECT MARKER



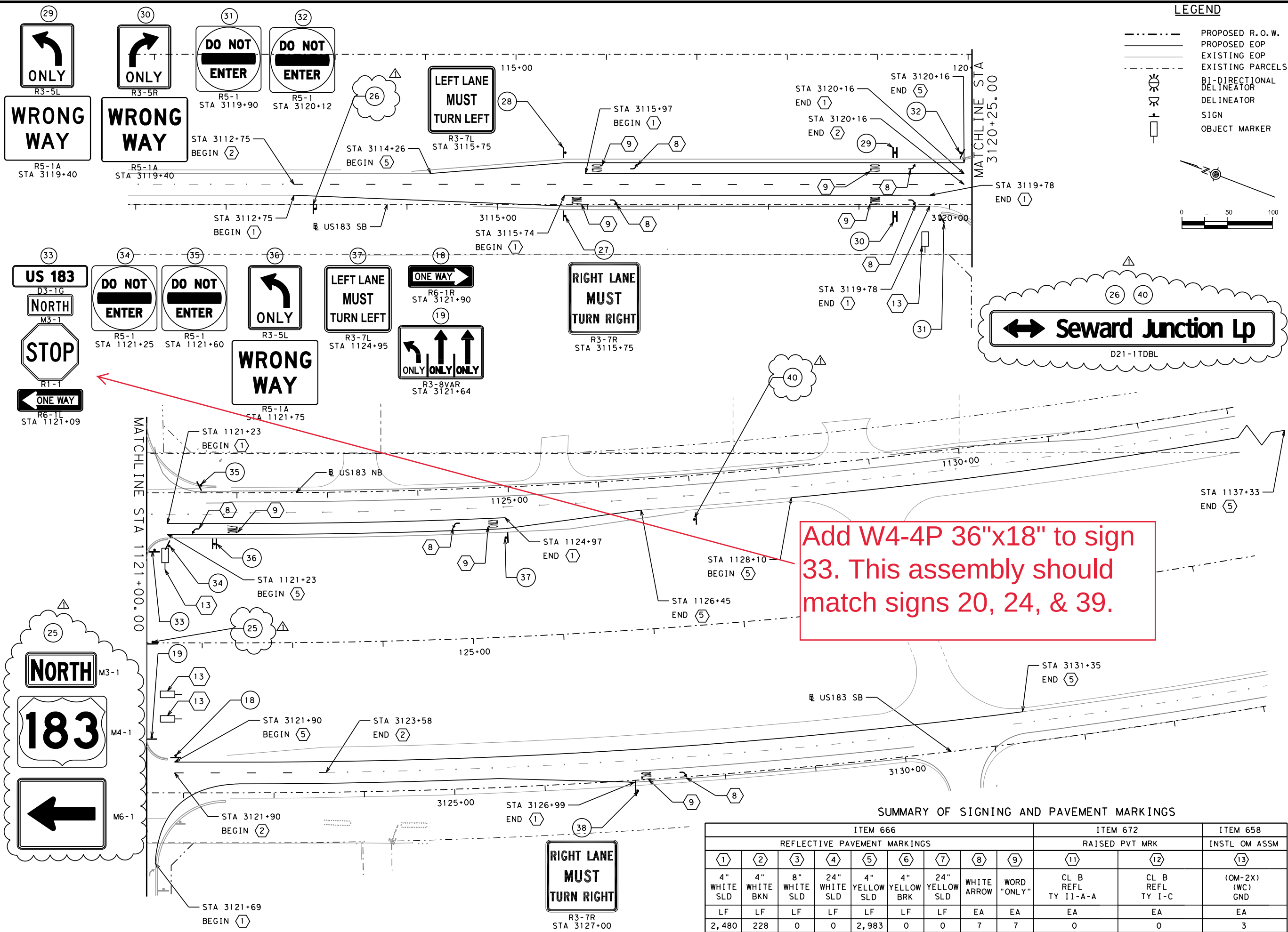
SUMMARY OF SIGNING AND PAVEMENT MARKINGS

ITEM 666										ITEM 672		ITEM 658
REFLECTIVE PAVEMENT MARKINGS										RAISED PVT MRK		INST OM ASSM
1	2	3	4	5	6	7	8	9	10	11	12	13
4" WHITE SLD	4" WHITE BKN	8" WHITE SLD	24" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	24" YELLOW SLD	WHITE ARROW	WORD "ONLY"	12" WHITE SLD	CL B REFL TY II-A-A	CL B REFL TY I-C	(OM-2X) (WC) GND
LF	LF	LF	LF	LF	LF	LF	EA	EA	LF	EA	EA	EA
430	108	430	106	0	0	0	4	4	340	0	0	2



REVISION DESCRIPTION	
REV. NO.	DATE
1	12/12/21
BY: B. RYAN BELL	
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746	
WILLIAMSON COUNTY	
US 183 AT SEWARD JUNCTION SOUTH	
SIGNING AND PAVEMENT MARKING PLAN	
SHEET 1 OF 2	
K FRIESE & ASSOCIATES, INC.	
PUBLIC PROJECT ENGINEERING (PRM # 6535)	
WILLIAMSON COUNTY 1848	
SCALE	AS NOTED
DATE	1/12/2021
SHEET NUMBER	70 OF 92

X:\Projects\0589-Seward Junction_SW_Construction_Phase\Drawings\US 183 at Seward Junction\US 183 at Seward Junction.dwg modified by RBall on 1/12/2021 - 10:15:52 AM



Add W4-4P 36"x18" to sign 33. This assembly should match signs 20, 24, & 39.

SUMMARY OF SIGNING AND PAVEMENT MARKINGS

ITEM 666									ITEM 672		ITEM 658
REFLECTIVE PAVEMENT MARKINGS									RAISED PVT MRK		INSTR. OM ASSM
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(11)	(12)	(13)
4" WHITE SLD	4" WHITE BKN	8" WHITE SLD	24" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	24" YELLOW SLD	WHITE ARROW	WORD "ONLY"	CL B REFL TY II-A-A	CL B REFL TY I-C	(OM-2X) (WC) GND
LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
2,480	228	0	0	2,983	0	0	7	7	0	0	3

REVISION DESCRIPTION	DATE	BY	NO.
1	1/12/21	BRB	1

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
US 183 AT SEWARD JUNCTION SOUTH
SIGNING AND PAVEMENT MARKING PLAN
SHEET 2 OF 2

K FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
(PRM # 6536)

WILLIAMSON COUNTY
1848

SCALE: AS NOTED
DATE: 1/12/2021
SHEET NUMBER: 71 OF 92

DATE: \$DATE\$
DRAWING FILE: \$FILE\$

SUMMARY OF REMOVAL QUANTITIES										
ITEM	104	104	104	106	496	496	542	544	550	644
DESC CODE	6009	6017	6054	6002	6007	6043	6001	6003	6006	6076
DESCRIPTION	REMOVING CONC (RIPRAP)	REMOVING CONC (DRIVEWAYS)	REMOVING CONCRETE (MOW STRIP)	OBLITERATING ABANDONED ROAD	* REMOV STR (PIPE)	REMOV STR (SMALL FENCE)	REMOVE METAL BEAM GUARD FENCE	GUARDRAIL END TREATMENT (REMOVE)	GATE (REMOVE)	REMOVE SM RD SN SUP&AM
UNIT	SY	SY	LF	SY	LF	LF	LF	EA	EA	EA
CR 259										
BEGIN PROJ TO STA 181+00.00		114				428				2
STA 181+00.00 TO STA 186+00.00				1038		500				
STA 186+00.00 TO STA 191+00.00				1226		621				
STA 191+00.00 TO STA 196+00.00				1242	64	700				
STA 196+00.00 TO STA 201+00.00				950		500				1
STA 201+00.00 TO STA 206+50.00				781		316				
STA 206+50.00 TO STA 212+00.00		168		125	32	365				1
STA 212+00.00 TO STA 217+50.00										
STA 217+50.00 TO STA 220+32.19										
SUBTOTAL		282		5362	96	3430				4
CR 266										
BEGIN PROJ TO STA 257+50.00				96		700				
STA 257+50.00 TO STA 262+50.00				363		681				
STA 262+50.00 TO STA 267+50.00				453		574			1	
STA 267+50.00 TO END PROJ	64		135	347	75	415	100	1		1
SUBTOTAL	64		135	1259	75	2370	100	1	1	3
										4
PROJECT TOTALS	64	282	135	6621	171	5800	100	1	1	8

- SET REMOVAL IS SUBSIDIARY TO REMOV STR (PIPE)

2	12/22/2020	UPDATE SIGNING & STRIPING QTYS																																												
NO.	DATE	REVISIONS								RECOM'D																																				
 WILLIAMSON COUNTY 1848 © 2016 by Williamson County, Texas. All rights reserved.  AGUIRRE & FIELDS LP ENGINEERS AND PLANNERS TBPE FIRM REGISTRATION # 739 SEWARD JUNCTION SOUTHEAST SUMMARY OF REMOVAL QUANTITIES <table><tr><td>DN:</td><td>RAW</td><td>FED. RD. DIV. NO.</td><td>STATE</td><td colspan="3">PROJECT NO.</td><td colspan="2">HIGHWAY NO.</td></tr><tr><td>CK DN:</td><td>JRM</td><td>6</td><td>TEXAS</td><td colspan="3"></td><td colspan="2">259/266</td></tr><tr><td>DW:</td><td>TJR</td><td>STATE DIST. NO.</td><td>COUNTY</td><td>CONTROL NO.</td><td>SECTION NO.</td><td>JOB NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td>CK DW:</td><td>JRM</td><td>AUS</td><td>WILLIAMSON</td><td></td><td></td><td></td><td colspan="2">21</td></tr></table>											DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.		CK DN:	JRM	6	TEXAS				259/266		DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.		CK DW:	JRM	AUS	WILLIAMSON				21	
DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.																																							
CK DN:	JRM	6	TEXAS				259/266																																							
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.																																							
CK DW:	JRM	AUS	WILLIAMSON				21																																							

\$DATE\$

\$FILE\$

SUMMARY OF PAVEMENT MARKING QUANTITIES

ITEM	666	666	666	666	666	666	666	666	666	666	666	666	666	666
DESC CODE	6300	6030	6036	6048	6054	6078	6102	6147	6167	6170	6176	6178	6182	6184
DESCRIPTION	RE PM W/RET REQ TY I (W) 4" (BRK) (100MIL)	REFL PAV MRK TY I (W) 8" (DOT) (100MIL)	REFL PAV MRK TY I (W) 8" (SLD) (100MIL)	REFL PAV MRK TY I (W) 24" (SLD) (100MIL)	REFL PAV MRK TY I (W) (ARROW) (100MIL)	REFL PAV MRK TY I (W) (WORD) (100MIL)	REF PAV MRK TY I (W) 36" (YLD TRI) (100MIL)	REFL PAV MRK TY I (Y) 24" (SLD) (100MIL)	REFL PAV MRK TY II (W) 4" (BRK)	REFL PAV MRK TY II (W) 4" (SLD)	REFL PAV MRK TY II (W) 8" (DOT)	REFL PAV MRK TY II (W) 8" (SLD)	REFL PAV MRK TY II (W) 24" (SLD)	REFL PAV MRK TY II (W) (ARROW)
UNIT	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA
CR 259														
STA 177+95.13 TO STA 181+00.00	140	72	587	317	2	2	7		140	801	72	587	317	2
STA 181+00.00 TO STA 186+00.00	16	3	0 +23-	96	0 +-	0 +-		54	16	963 -755-	3	0 +23-	96	0 +-
STA 186+00.00 TO STA 196+00.00				15						1000			15	
STA 196+00.00 TO STA 206+50.00										983				
STA 206+50.00 TO STA 217+50.00										1105				
STA 217+50.00 TO STA 220+32.19				22						205			22	
SUBTOTAL	156	75	587 -7+0-	450	2 -3-	2 -3-	7	54	156	5057 -4849-	75	587 -7+0-	450	2 -3-
CR 266														
STA 254+00.00 TO STA 257+50.00										700				
STA 257+50.00 TO STA 262+50.00										660				
STA 262+50.00 TO STA 267+50.00			36	25						438		36	25	
STA 267+50.00 TO STA 270+26.11			265	37	2	2				281		265	37	2
SUBTOTAL			301	62	2	2				2079		301	62	2
PROJECT TOTALS	156	75	888 +0+1+	512	4 -5-	4 -5-	7	54	156	7136 -6928-	75	888 +0+1+	512	4 -5-

SUMMARY OF PAVEMENT MARKING QUANTITIES, CONTD

ITEM	666	666	666	666	666	666	672	672	672	678	678
DESC CODE	6192	6199	6207	6214	6303	6315	6007	6009	6010	6001	6004
DESCRIPTION	REFL PAV MRK TY II (W) (WORD)	REFL PAV MRK TY II (W) 36" (YLD TRI)	REFL PAV MRK TY II (Y) 4" (SLD)	REFL PAV MRK TY II (Y) 24" (SLD)	RE PM W/RET REQ TY I (W) 4" (SLD) (100MIL)	RE PM W/RET REQ TY I (Y) 4" (SLD) (100MIL)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A	REFL PAV MRKR TY II-C-R	PAV SURF PREP FOR MRK (4")	PAV SURF PREP FOR MRK (8")
UNIT	LF	EA	LF	LF	LF	LF	EA	EA	EA	LF	LF
CR 259											
STA 177+95.13 TO STA 181+00.00	2	7			801		19		6		205
STA 181+00.00 TO STA 186+00.00	0 +-		900 -996-	54	963 -755-	900 -996-	1	2 +2-			
STA 186+00.00 TO STA 196+00.00			1650		1000	1650		22		430	
STA 196+00.00 TO STA 206+50.00			2260		983	2260		27			
STA 206+50.00 TO STA 217+50.00			2214		1105	2214		27		371	
STA 217+50.00 TO STA 220+32.19			382		205	382		5			
SUBTOTAL	2 -3-	7	7406 -7502-	54	5057 -4849-	7406 -7502-	20	83 -93-	6	801	205
CR 266											
STA 254+00.00 TO STA 257+50.00			700		700	700		9			
STA 257+50.00 TO STA 262+50.00			700		660	700		9			
STA 262+50.00 TO STA 267+50.00			1050		438	1050	2	16			
STA 267+50.00 TO STA 270+26.11	2		566		281	566	13	26			
SUBTOTAL	2		3016		2079	3016	15	60			
PROJECT TOTALS	4 -5-	7	-10518-	54	7136 -6928-	-10518-	35	143 -153-	6	801	205

2

12/22/2020

UPDATE SIGNING & STRIPING QTY'S

NO.

DATE

REVISIONS

RECOM'D



WILLIAMSON COUNTY
1848

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AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBPB FIRM REGISTRATION # 739

SEWARD JUNCTION
SOUTHEAST

SUMMARY OF
PAVEMENT MARKING
QUANTITIES

DN: RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN: JRM	6	TEXAS		259/266
DW: TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW: JRM	AUS	WILLIAMSON		
			JOB NO.	SHEET NO.
				24

DATE: \$DATE\$
DRAWING FILE: \$FILE\$

\$DATE\$

\$FILE\$

DATE: \$DATE\$
DRAWING FILE: \$FILE\$

SUMMARY OF SIGNING QUANTITIES										
ITEM	644	644	644	658	658	658	658	644	644	644
DESC CODE	6060	6061	6071	6014	6016	6049	6059	6004	6030	6033
DESCRIPTION	IN SM RD SN SUP&AM TYTWT (1) WS (P)	IN SM RD SN SUP&AM TYTWT (1) WS (T)	RELOCATE SM RD SN SUP&AM TY TWT	INSTL DEL ASSM (D-SW) SZ (BR) CTB (BI)	INSTL DEL ASSM (D-SW) SZ (BR) GF1 (BI)	INSTL OM ASSM (OM-2Z) (FLX) GND (BI)	INSTL OM ASSM (OM-4) (FLX) GND	IN SM RD SN SUP&AM TY10BWG (1) SA (T)	IN SM RD SN SUP&AM TYS80 (1) SA (T)	IN SM RD SN SUP&AM TYS80 (1) SA (U)
UNIT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
CR 259										
STA 177+95.13 TO STA 181+00.00	3 1	5 8						2	1	1
STA 181+00.00 TO STA 186+00.00	3	4 5								
STA 186+00.00 TO STA 196+00.00		1		6	10	2				
STA 196+00.00 TO STA 206+50.00	1	1			2	2				
STA 206+50.00 TO STA 217+50.00	1	2 1		6	12	4				
STA 217+50.00 TO STA 220+32.19	1 2	1						1		
SUBTOTAL	9 8	14 17		12	24	8		3	1	1
CR 266										
STA 254+00.00 TO STA 257+50.00	0 1									
STA 257+50.00 TO STA 262+50.00		2						3		
STA 262+50.00 TO STA 267+50.00							5 1	2		
STA 267+50.00 TO STA 270+26.11		1 2	1		3		1	1	2	1
SUBTOTAL	0 1	3 4	1		3		6 2	6	2	1
PROJECT TOTALS	9	17 21	1	12	27	8	6 2	9	3	2

2

2

658-6078 INSTL OM ASSM (OM-4) (TWT) (WAS)
Quantity 10 ea.

2	12/22/2020	UPDATE SIGNING & STRIPING QTYS					
NO.	DATE	REVISIONS				RECOM'D	
 WILLIAMSON COUNTY 1848 © 2016 by Williamson County, Texas. All rights reserved.							
		AGUIRRE & FIELDS LP ENGINEERS AND PLANNERS TBPE FIRM REGISTRATION # 739					
SEWARD JUNCTION SOUTHEAST							
SUMMARY OF SIGNING QUANTITIES							
DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.		HIGHWAY NO.	
CK DN:	JRM	6	TEXAS			259/266	
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CK DW:	JRM	AUS	WILLIAMSON				25

\$DATE\$

\$FILE\$

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ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

<http://www.txdot.gov/>

1. Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
2. For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD (GEN).

12/22/2020 UPDATE SIGNING



SUMMARY OF SMALL SIGNS

SOSS

FILE:	sums16.dgn	DN:	TxDOT	CK:	TxDOT	DW:	TxDOT	CK:	TxDOT
© TxDOT	May 1987	CONT	SECT	JOB			HIGHWAY		
REVISONS									
4-16		DIST	COUNTY					SHEET NO.	
8-16		AUS	WILLIAMSON					222	

DISCLAIMER:

SUMMARY OF SMALL SIGNS												
PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)				BRIDGE MOUNT CLEARANCE SIGNS (See Note 2)	
							POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION		
										PREFABRICATED		1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels
							FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	1 or 2	UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	P = "Plain" T = "T" U = "U"		
8	1	W1-7	↔	48X24	✓		TWT	1	WS	T		
	2	W1-7	↔	48X24	✓		TWT	1	WS	T		
10	2	R3-BLK	← ONLY →	36X30	✓		TWT	1	WS	T		
2	3	D3-1G	ER-266 Seward Junction Lp	42X12	✓		10BWG TWT	1	SA WS	T		
		D3-1G	SH 29	36X12	✓							
		R1-1	STOP	36X36	✓							
		W4-4P	CROSS TRAFFIC DOES NOT STOP	36X18	✓							

1	7	D3-1G D3-1G R1-1	CR 259 US 183 STOP
	12	R6-1R	ONE WAY
4	1	W19-8	CHURCH
5	1	W19-8	CHURCH
9	1	R1-1	STOP
10	4	D3-1G R1-1	CR 266 STOP
2	5	D1-2	← CO RD 266; CO RD 260 →
	6	D1-2	← CO RD 260; CO RD 266 →

[illegible]

Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

NOTE:

- 2 12/22/2020 UPDATE SIGNING



SOSS

FILE:	sumsl6.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT May 1987	CONT	SECT	JOB	HIGHWAY	
REVISONS					
4-16	DIST	COUNTY			SHEET NO.
8-16	AUS	WILLIAMSON			223

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ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
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3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD (GEN).

2

12/22/2020

NEW SHEET w/ NEW SIGNS



Texas Department of Transportation

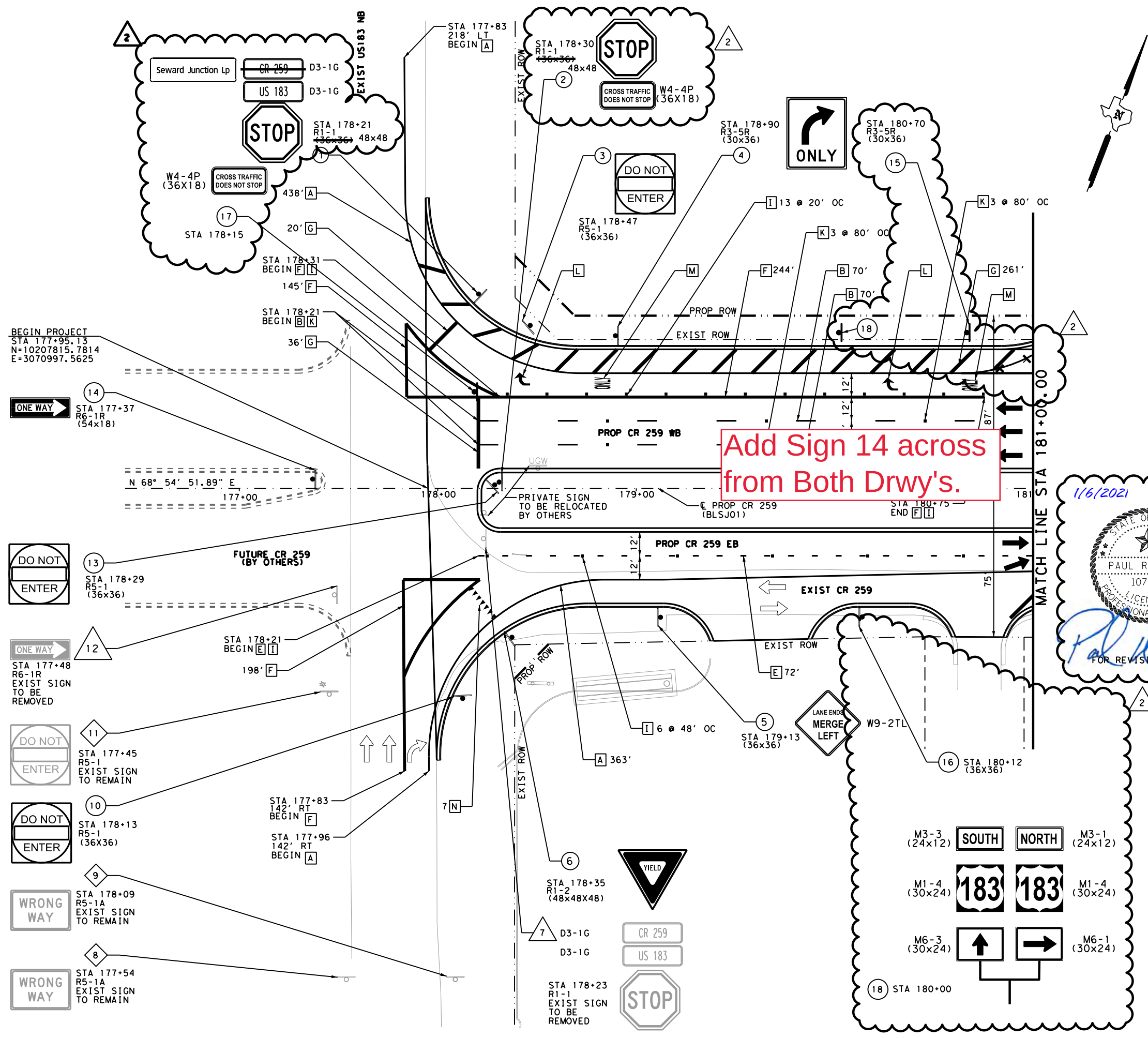
**Traffic
Operations
Division
Standard**

SUMMARY OF SMALL SIGNS

SOSS

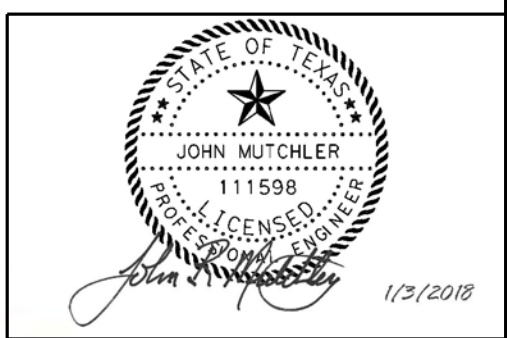
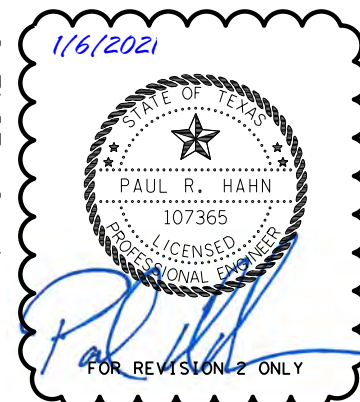
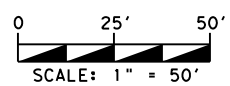
FILE:	sums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
Ⓢ TxDOT	May 1987	CONT	SECT	JOB	HIGHWAY
REVISIONS					
4-16		DIST	COUNTY	SHEET NO.	
8-16		AUS	WILLIAMSON		223a

DATE: 1/6/2021
DRAWING FILE: c:\pw-at\pw-at-prod\tarvn.ficke@aguirre-fields.com\d0137920\269011ML01.dgn

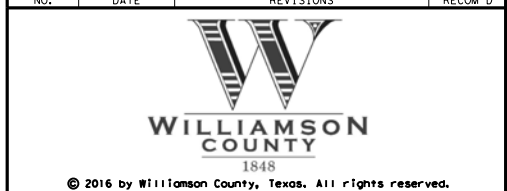


LEGEND

- PROP TRAFFIC FLOW DIRECTIONAL ARROW
- EXIST TRAFFIC FLOW DIRECTIONAL ARROW
- REFL PAV MRK (W) (4") (SLD)
- REFL PAV MRK (W) (4") (BRK)
- REFL PAV MRK (Y) (4") (SLD)
- REFL PAV MRK (Y) (4") (BRK)
- REFL PAV MRK (W) (8") (DOT)
- REFL PAV MRK (W) (8") (SLD)
- REFL PAV MRK (W) (24") (SLD)
- REFL PAV MRK (Y) (24") (SLD)
- REFL PAV MRK TY I-C
- REFL PAV MRK TY II A-A
- REFL PAV MRK TY II C-C
- ARROW
- WORD
- YIELD TRIANGLE
- PROP SIGN NUMBER
- EXIST SIGN NUMBER (TO BE REMOVED)
- EXIST SIGN NUMBER (TO REMAIN)
- EXIST SIGN NUMBER (TO BE RELOCATED)
- OM ASSM OM-22
- DEL ASSM (D-SW) (B1)
- PROP SIGN
- EXIST SIGN



NO.	DATE	REVISIONS	RECOM'D
1	12/22/2020	Update Signing & Striping	



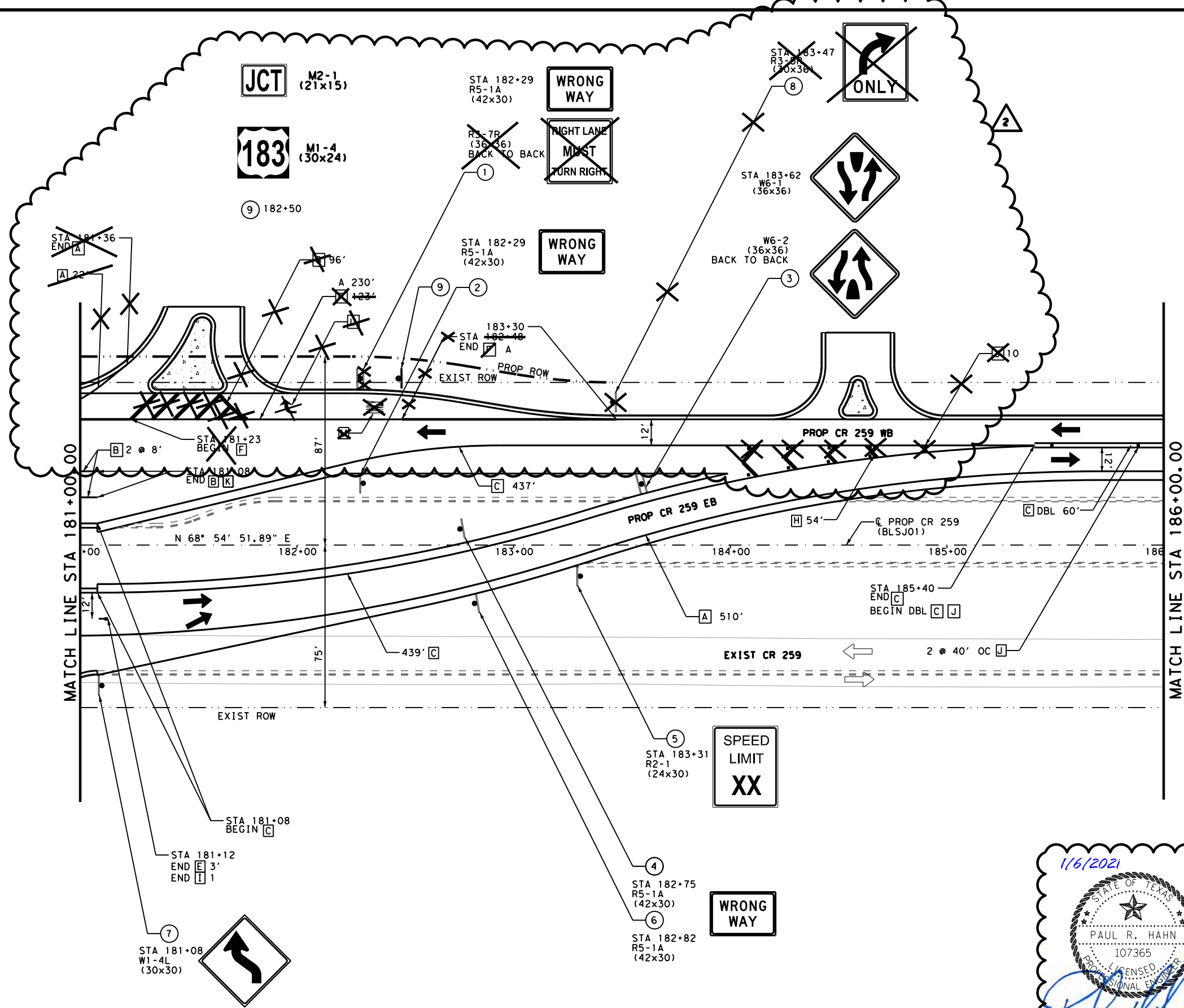
SEWARD JUNCTION SOUTHEAST

SIGNING AND PAVEMENT MARKING PLAN

CR 259 STA 177+95.13 TO STA 181+00

DN:	RAW	FED. RD. DIV. NO.:	6	STATE:	TEXAS	PROJECT NO.:		HIGHWAY NO.:	259/266
CK DN:	JRM	STATE DIST. NO.:		COUNTY:	WILLIAMSON	CONTROL NO.:		JOB NO.:	224

DATE: 1/6/2021
DRAWING FILE: c:\pw-af\pw-af-prod\tar\yn.ficke@aguirre-fields.com\d0137920\269011ML02.dgn



LEGEND

- ← PROP TRAFFIC FLOW DIRECTIONAL ARROW
 - EXIST TRAFFIC FLOW DIRECTIONAL ARROW
 - [A] REFL PAV MRK(W) (4") (SLD)
 - [B] REFL PAV MRK(W) (4") (BRK)
 - [C] REFL PAV MRK(Y) (4") (SLD)
 - [D] REFL PAV MRK(Y) (4") (BRK)
 - [E] REFL PAV MRK(W) (8") (DOT)
 - [F] REFL PAV MRK(W) (8") (SLD)
 - [G] REFL PAV MRK(W) (24") (SLD)
 - [H] REFL PAV MRK(Y) (24") (SLD)
 - [I] REFL PAV MRK TY I-C
 - [J] REFL PAV MRK TY II A-A
 - [K] REFL PAV MRK TY II C-R
 - [L] ARROW
 - [M] WORD
 - [N] YIELD TRIANGLE
 - (XX) PROP SIGN NUMBER
 - X EXIST SIGN NUMBER (TO BE REMOVED)
 - X EXIST SIGN NUMBER (TO REMAIN)
 - X EXIST SIGN NUMBER (TO BE RELOCATED)
 - OM ASSM OM-2Z
 - DEL ASSM (D-SW) (BI)
 - PROP SIGN
 - EXIST SIGN
- 0 25' 50'
- SCALE: 1" = 50'



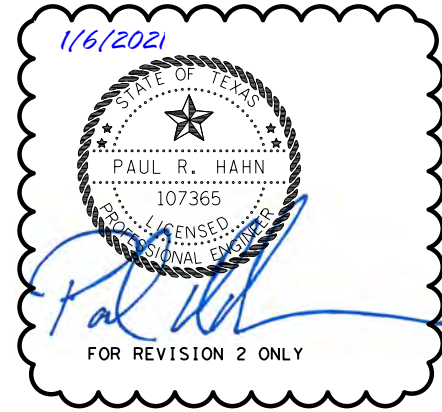
NO.	DATE	REVISIONS	RECOM'D
1	12/22/2020	Update Signing & Striping	



AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

**SEWARD JUNCTION
SOUTHEAST**

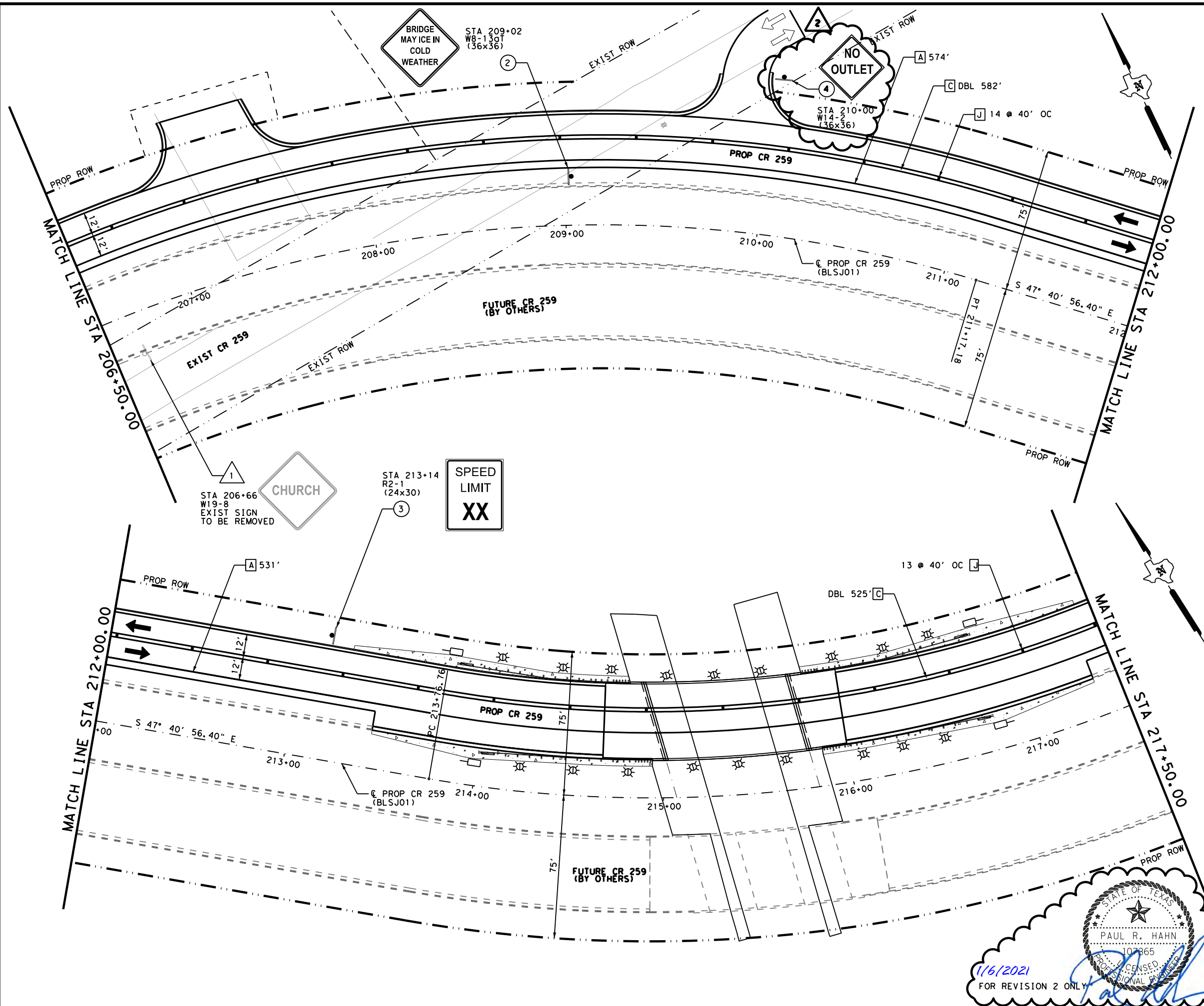
**SIGNING AND PAVEMENT
MARKING PLAN
BEGIN PROJECT
CR 259 STA 181+00.00
TO STA 186+00**



SHEET 2 OF 10

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CK DN:	JRM	6	TEXAS				259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CK DW:	JRM	AUS	WILLIAMSON				225

DATE: 1/6/2021
DRAWING FILE: c:\pw-af\pw-af-prod\taryn.ficke\aguirre-fields.com\d0137920\269011ML05.dgn



LEGEND

- PROP TRAFFIC FLOW DIRECTIONAL ARROW
 - EXIST TRAFFIC FLOW DIRECTIONAL ARROW
 - REFL PAV MRK (W) (4") (SLD)
 - REFL PAV MRK (W) (4") (BRK)
 - REFL PAV MRK (Y) (4") (SLD)
 - REFL PAV MRK (Y) (4") (BRK)
 - REFL PAV MRK (W) (8") (DOT)
 - REFL PAV MRK (W) (8") (SLD)
 - REFL PAV MRK (W) (24") (SLD)
 - REFL PAV MRK (Y) (24") (SLD)
 - REFL PAV MRK TY I-C
 - REFL PAV MRK TY II A-A
 - REFL PAV MRK TY II C-C
 - ARROW
 - WORD
 - YIELD TRIANGLE
 - PROP SIGN NUMBER
 - EXIST SIGN NUMBER (TO BE REMOVED)
 - EXIST SIGN NUMBER (TO REMAIN)
 - EXIST SIGN NUMBER (TO BE RELOCATED)
 - OM ASSM OM-2Z
 - DEL ASSM (D-SW) (BI)
 - PROP SIGN
 - EXIST SIGN
- 0 25' 50'
SCALE: 1" = 50'



NO.	DATE	REVISIONS	RECOM'D
1	12/22/2020	Update Signing & Striping	



AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

SEWARD JUNCTION
SOUTHEAST

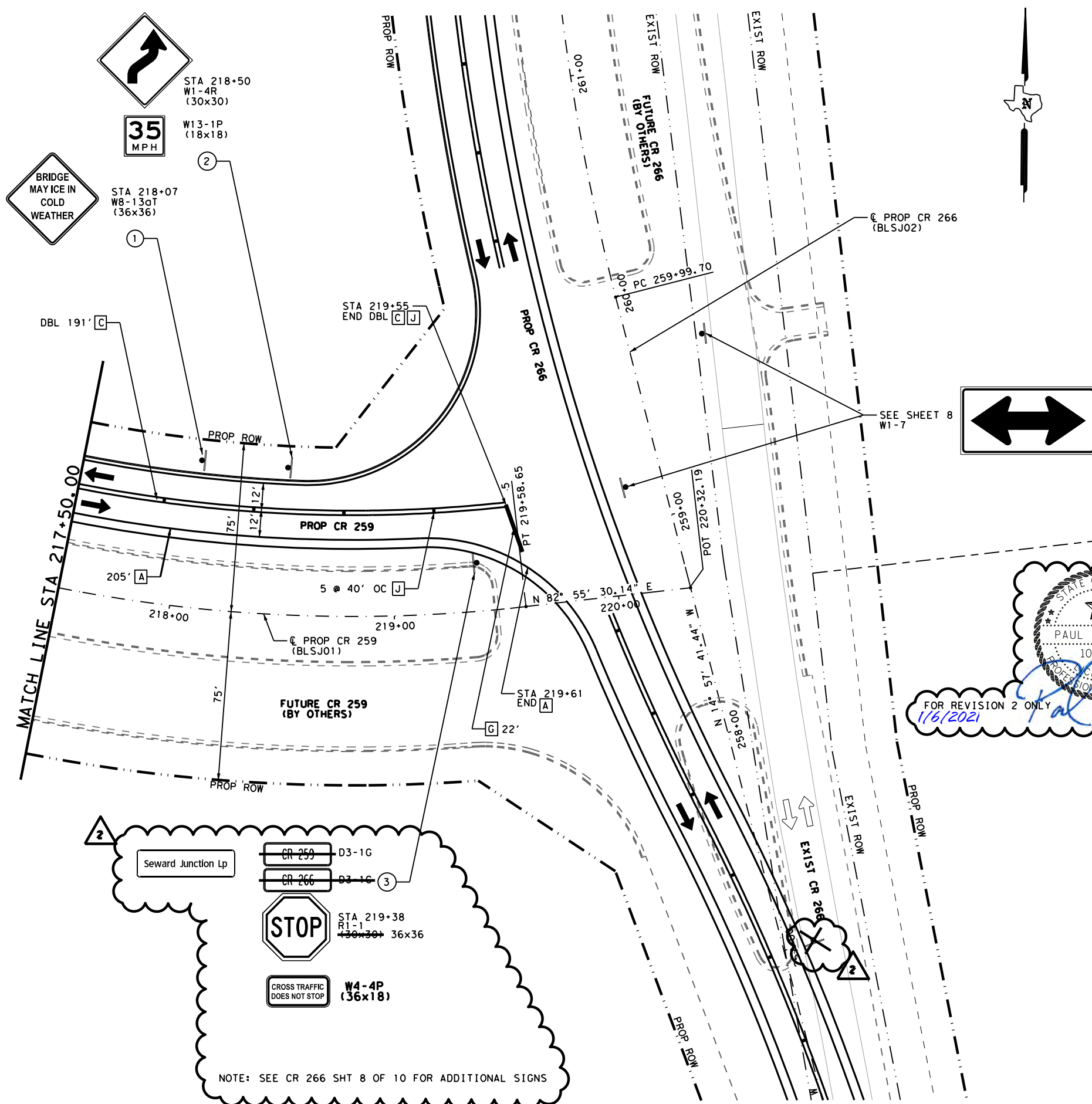
SIGNING AND PAVEMENT
MARKING PLAN
CR 259 STA 206+50
TO STA 217+50

SHEET 5 OF 10

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CK DN:	JRM	6	TEXAS				259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CK DW:	JRM	AUS	WILLIAMSON				228



DATE: 1/6/2021
DRAWING FILE: c:\pw-af\pw-af-prod\taryn.ficke\aguirre-fields.com\d0137920\269011ML06.dgn



LEGEND

- ← PROP TRAFFIC FLOW DIRECTIONAL ARROW
 - EXIST TRAFFIC FLOW DIRECTIONAL ARROW
 - A REFL PAV MRK(W) (4") (SLD)
 - B REFL PAV MRK(W) (4") (BRK)
 - C REFL PAV MRK(Y) (4") (SLD)
 - D REFL PAV MRK(Y) (4") (BRK)
 - E REFL PAV MRK(W) (8") (DOT)
 - F REFL PAV MRK(W) (8") (SLD)
 - G REFL PAV MRK(W) (24") (SLD)
 - H REFL PAV MRK(Y) (24") (SLD)
 - I REFL PAV MRK TY I-C
 - J REFL PAV MRK TY II A-A
 - K REFL PAV MRK TY II C-R
 - L ARROW
 - M WORD
 - N YIELD TRIANGLE
 - XX PROP SIGN NUMBER
 - X EXIST SIGN NUMBER (TO BE REMOVED)
 - X EXIST SIGN NUMBER (TO REMAIN)
 - X EXIST SIGN NUMBER (TO BE RELOCATED)
 - OM ASSM OM-2Z
 - DEL ASSM (D-SW) (BI)
 - PROP SIGN
 - EXIST SIGN
- 0 25' 50'
- SCALE: 1" = 50'

FOR REVISION 2 ONLY
1/6/2021

1/3/2018

NO.	DATE	REVISIONS	RECOM'D
A	12/22/2020	Update Signing & Striping	

WILLIAMSON COUNTY
1848
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AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

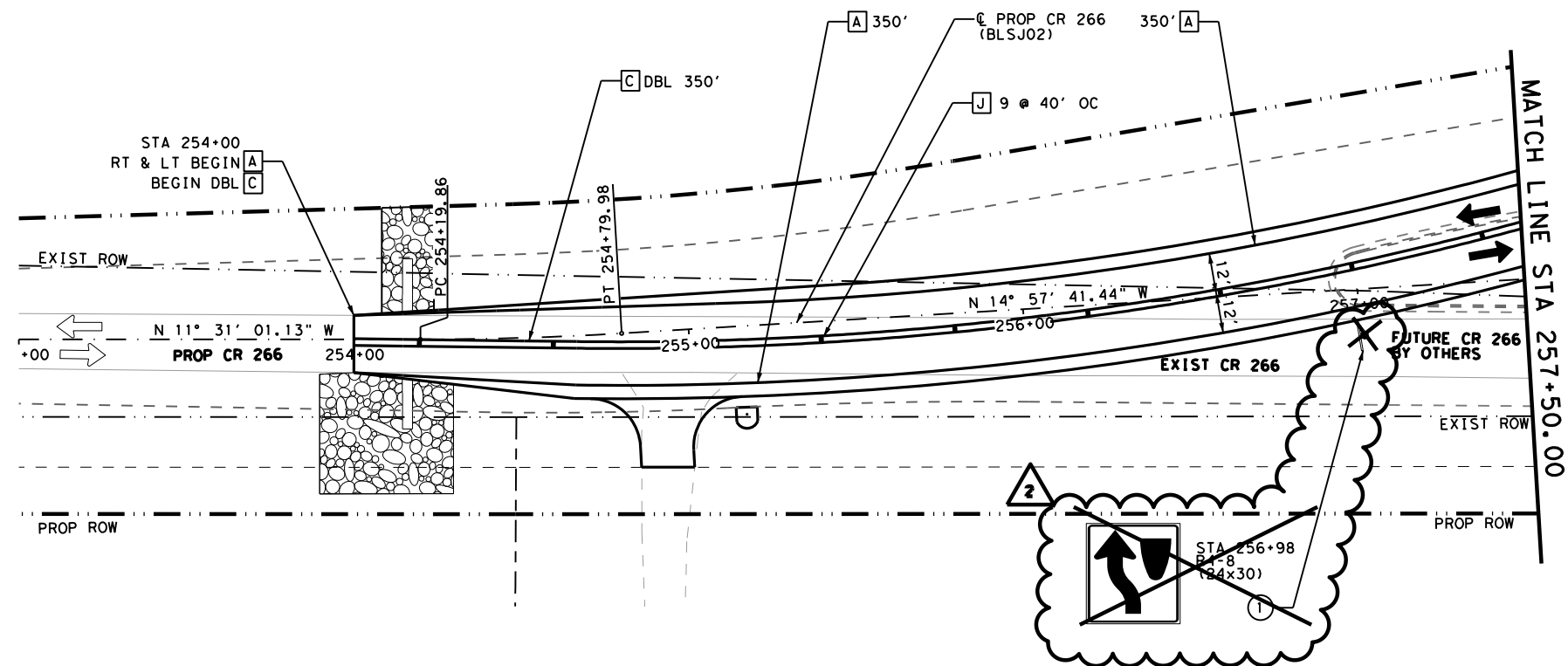
**SEWARD JUNCTION
SOUTHEAST**

**SIGNING AND PAVEMENT
MARKING PLAN
CR 259 STA 217+50
TO STA 220+32.19**

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		229

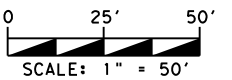
NOTE: SEE CR 266 SHT 8 OF 10 FOR ADDITIONAL SIGNS

DATE: 1/6/2021
DRAWING FILE: c:\pw-af\pw-af-prod\taryn.ficke\aguirre-fields.com\d0137920\269011ML07.dgn



LEGEND

- ← PROP TRAFFIC FLOW DIRECTIONAL ARROW
- EXIST TRAFFIC FLOW DIRECTIONAL ARROW
- [A] REFL PAV MRK (W) (4") (SLD)
- [B] REFL PAV MRK (W) (4") (BRK)
- [C] REFL PAV MRK (Y) (4") (SLD)
- [D] REFL PAV MRK (Y) (4") (BRK)
- [E] REFL PAV MRK (W) (8") (DOT)
- [F] REFL PAV MRK (W) (8") (SLD)
- [G] REFL PAV MRK (W) (24") (SLD)
- [H] REFL PAV MRK (Y) (24") (SLD)
- [I] REFL PAV MRK TY I-C
- [J] REFL PAV MRK TY II A-A
- [K] REFL PAV MRK TY II C-R
- [L] ARROW
- [M] WORD
- [N] YIELD TRIANGLE
- (XX) PROP SIGN NUMBER
- (X) EXIST SIGN NUMBER (TO BE REMOVED)
- (X) EXIST SIGN NUMBER (TO REMAIN)
- (X) EXIST SIGN NUMBER (TO BE RELOCATED)
- [] OM ASSM OM-2Z
- [X] DEL ASSM (D-SW) (BI)
- [] PROP SIGN
- [] EXIST SIGN



NO.	DATE	REVISIONS	RECOM'D
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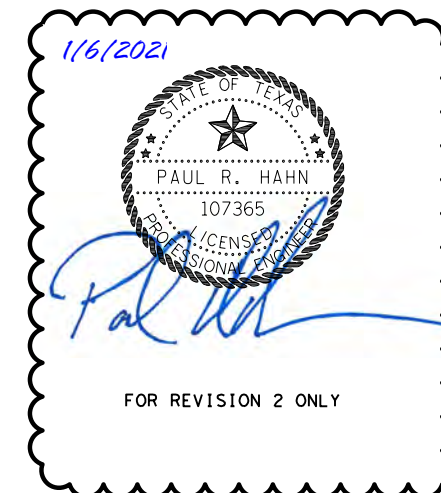


SEWARD JUNCTION
SOUTHEAST

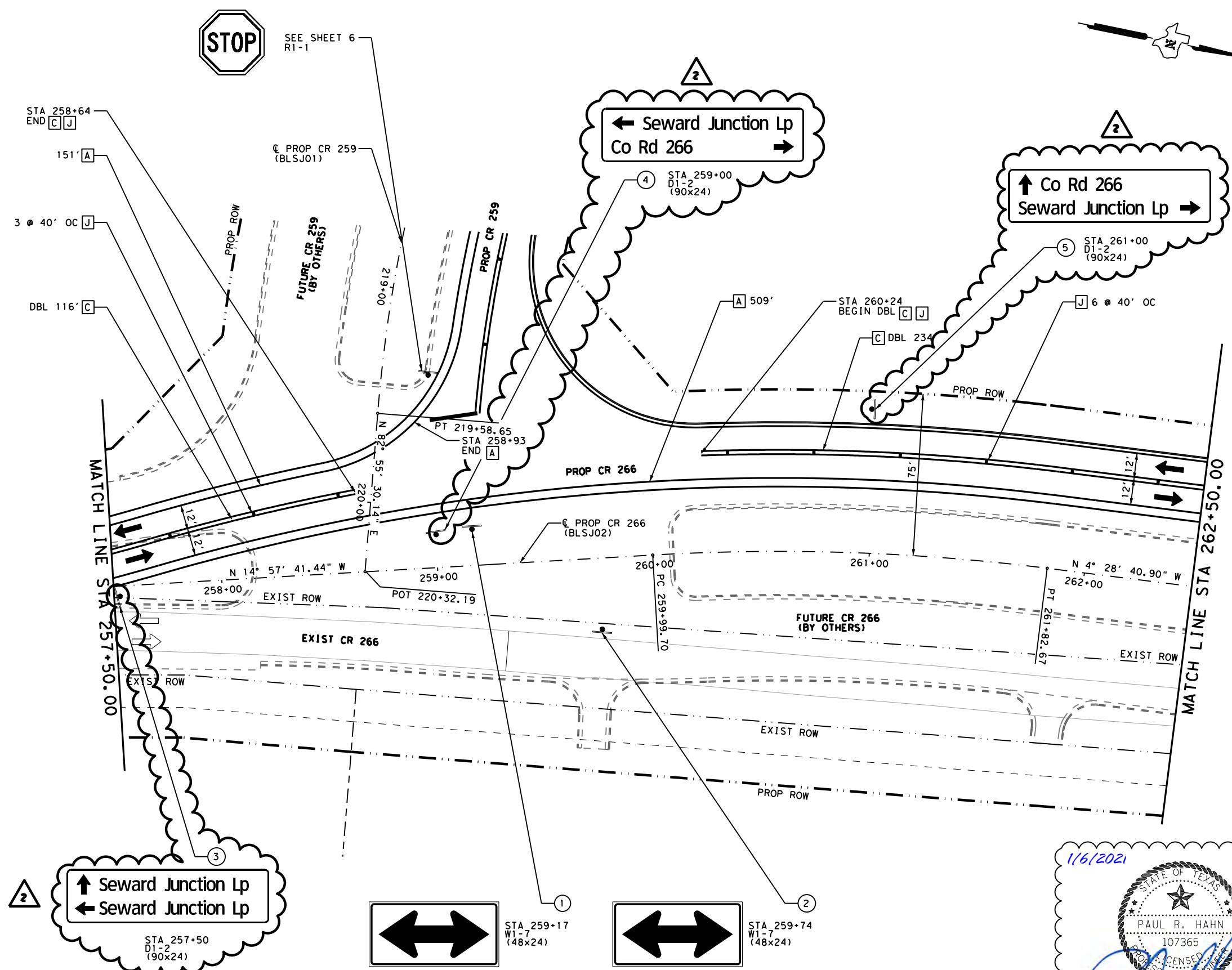
SIGNING AND PAVEMENT
MARKING PLAN
CR 266 STA 254+16
TO STA 257+50

SHEET 7 OF 10

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		230

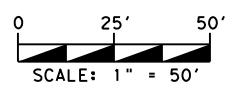


DATE: 1/6/2021
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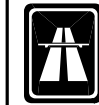


LEGEND

- ← PROP TRAFFIC FLOW DIRECTIONAL ARROW
- EXIST TRAFFIC FLOW DIRECTIONAL ARROW
- A REFL PAV MRK(W) (4") (SLD)
- B REFL PAV MRK(W) (4") (BRK)
- C REFL PAV MRK(Y) (4") (SLD)
- D REFL PAV MRK(Y) (4") (BRK)
- E REFL PAV MRK(W) (8") (DOT)
- F REFL PAV MRK(W) (8") (SLD)
- G REFL PAV MRK(W) (24") (SLD)
- H REFL PAV MRK(Y) (24") (SLD)
- I REFL PAV MRK TY I-C
- J REFL PAV MRK TY II A-A
- K REFL PAV MRK TY II C-R
- L ARROW
- M WORD
- N YIELD TRIANGLE
- XX PROP SIGN NUMBER
- X EXIST SIGN NUMBER (TO BE REMOVED)
- X EXIST SIGN NUMBER (TO REMAIN)
- X EXIST SIGN NUMBER (TO BE RELOCATED)
- OM ASSM OM-2Z
- DEL ASSM (D-SW) (BI)
- PROP SIGN
- EXIST SIGN



NO.	DATE	REVISIONS	RECOM'D
A	12/22/2020	Update Signing & Striping	



AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

SEWARD JUNCTION
SOUTHEAST

SIGNING AND PAVEMENT
MARKING PLAN
CR 266 STA 257+50
TO STA 262+50

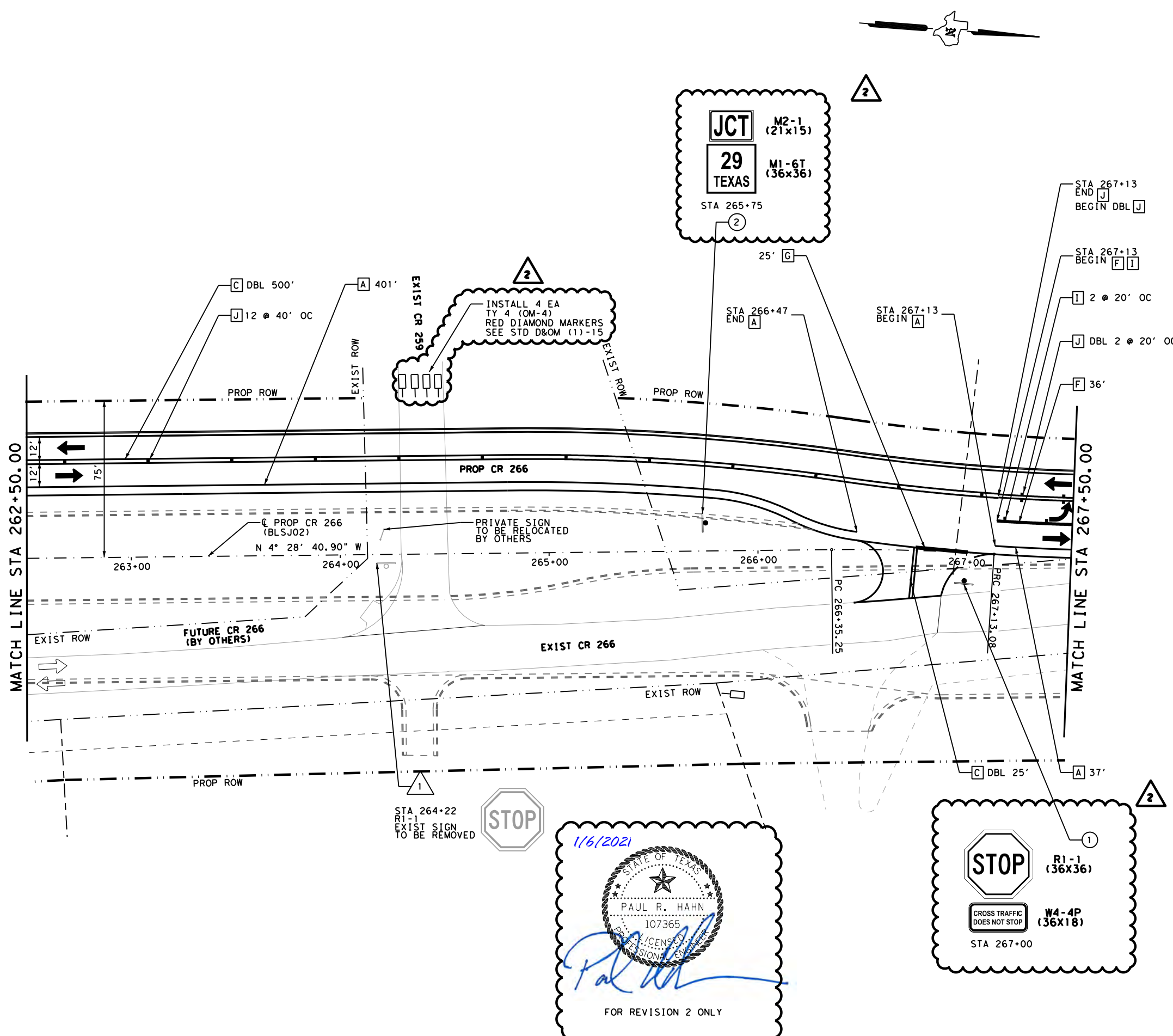
SHEET 8 OF 10

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CK DN:	JRM	6	TEXAS				259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
CK DW:	JRM	AUS	WILLIAMSON				231



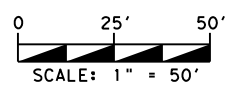
Did not install at this location.
Installed across from Church driveway.

DATE: 1/6/2021
DRAWING FILE: c:\pw-at\pw-at-prod\tar\yn.ficke\aguirre-fields.com\d0137920\269011ML09.dgn



LEGEND

- PROF TRAFFIC FLOW DIRECTIONAL ARROW
- EXIST TRAFFIC FLOW DIRECTIONAL ARROW
- REFL PAV MRK (W) (4") (SLD)
- REFL PAV MRK (W) (4") (BRK)
- REFL PAV MRK (Y) (4") (SLD)
- REFL PAV MRK (Y) (4") (BRK)
- REFL PAV MRK (W) (8") (DOT)
- REFL PAV MRK (W) (8") (SLD)
- REFL PAV MRK (W) (24") (SLD)
- REFL PAV MRK (Y) (24") (SLD)
- REFL PAV MRK TY I-C
- REFL PAV MRK TY II A-A
- REFL PAV MRK TY II C-R
- ARROW
- WORD
- YIELD TRIANGLE
- PROP SIGN NUMBER
- EXIST SIGN NUMBER (TO BE REMOVED)
- EXIST SIGN NUMBER (TO REMAIN)
- EXIST SIGN NUMBER (TO BE RELOCATED)
- OM ASSM OM-2Z
- DEL ASSM (D-SW) (BI)
- PROP SIGN
- EXIST SIGN



NO.	DATE	REVISIONS	RECOM'D
1	12/22/2020	Update Signing & Striping	



AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

SEWARD JUNCTION
SOUTHEAST

SIGNING AND PAVEMENT
MARKING PLAN
CR 266 STA 262+50
TO STA 267+50

SHEET 9 OF 10

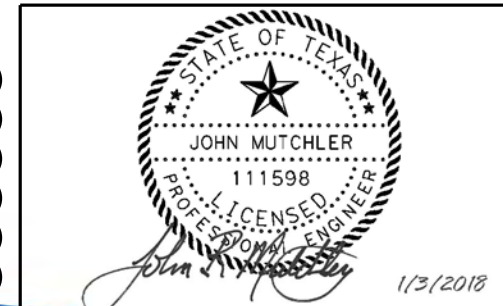
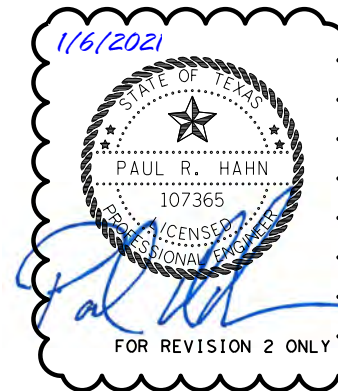
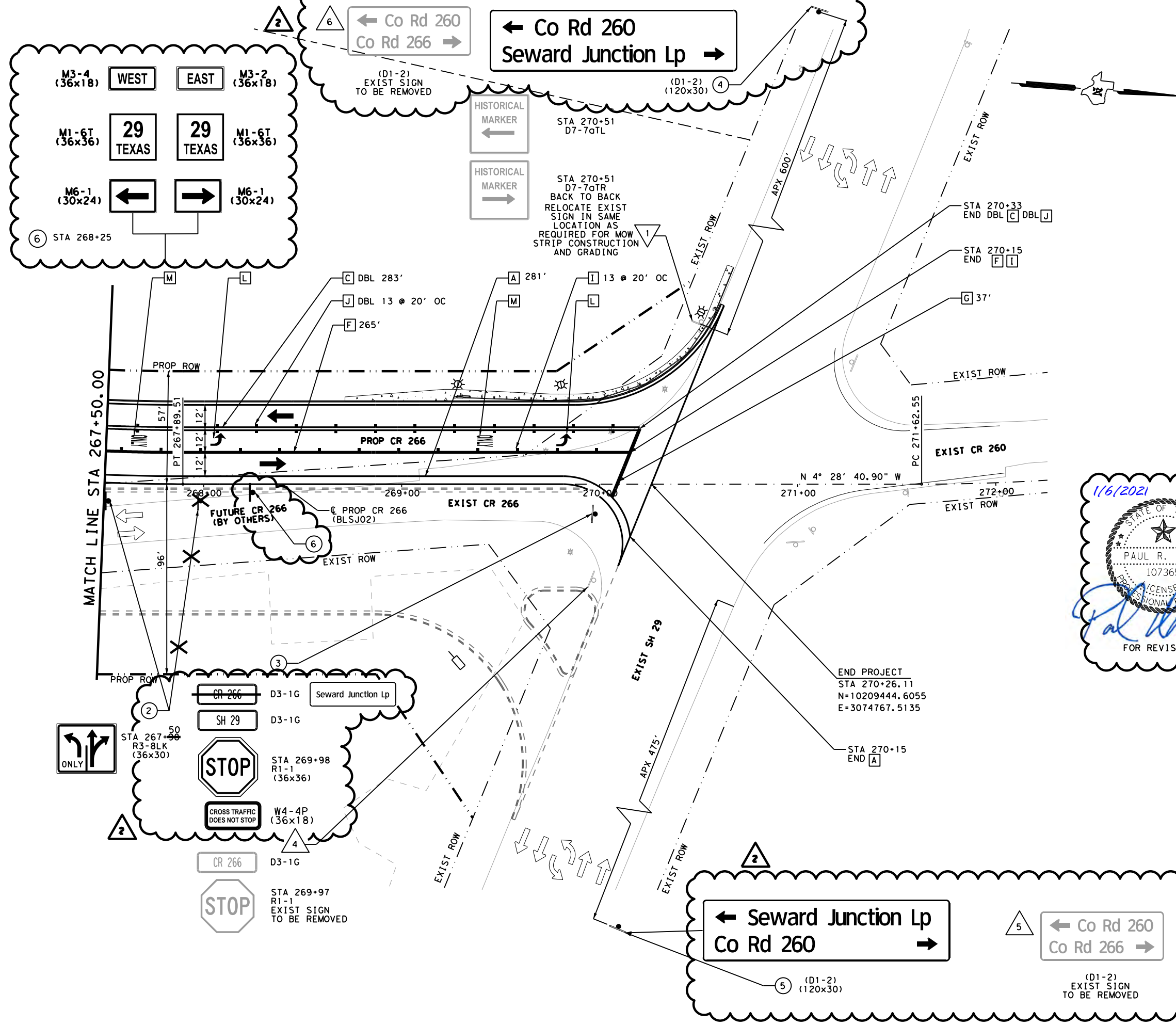
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CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		232

1/6/2021

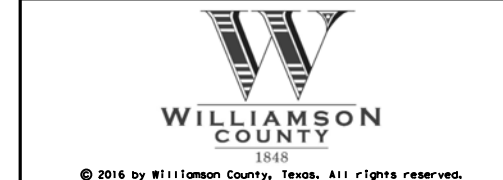
FOR REVISION 2 ONLY

STA 267+00

DATE: 1/6/2021
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NO.	DATE	REVISIONS	RECOM'D
1	12/22/2020	Update Signing & Striping	

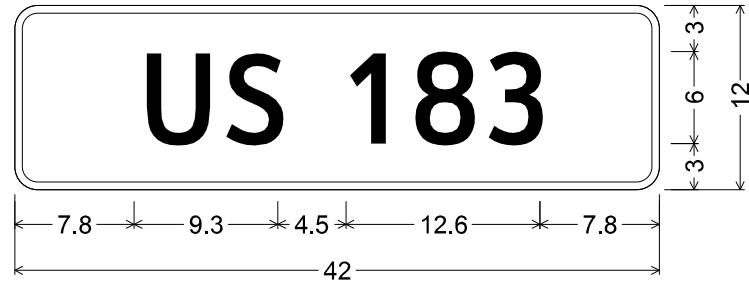


SEWARD JUNCTION
SOUTHEAST

SIGNING AND PAVEMENT
MARKING PLAN
CR 266 STA 267+50
TO STA 270+26.11

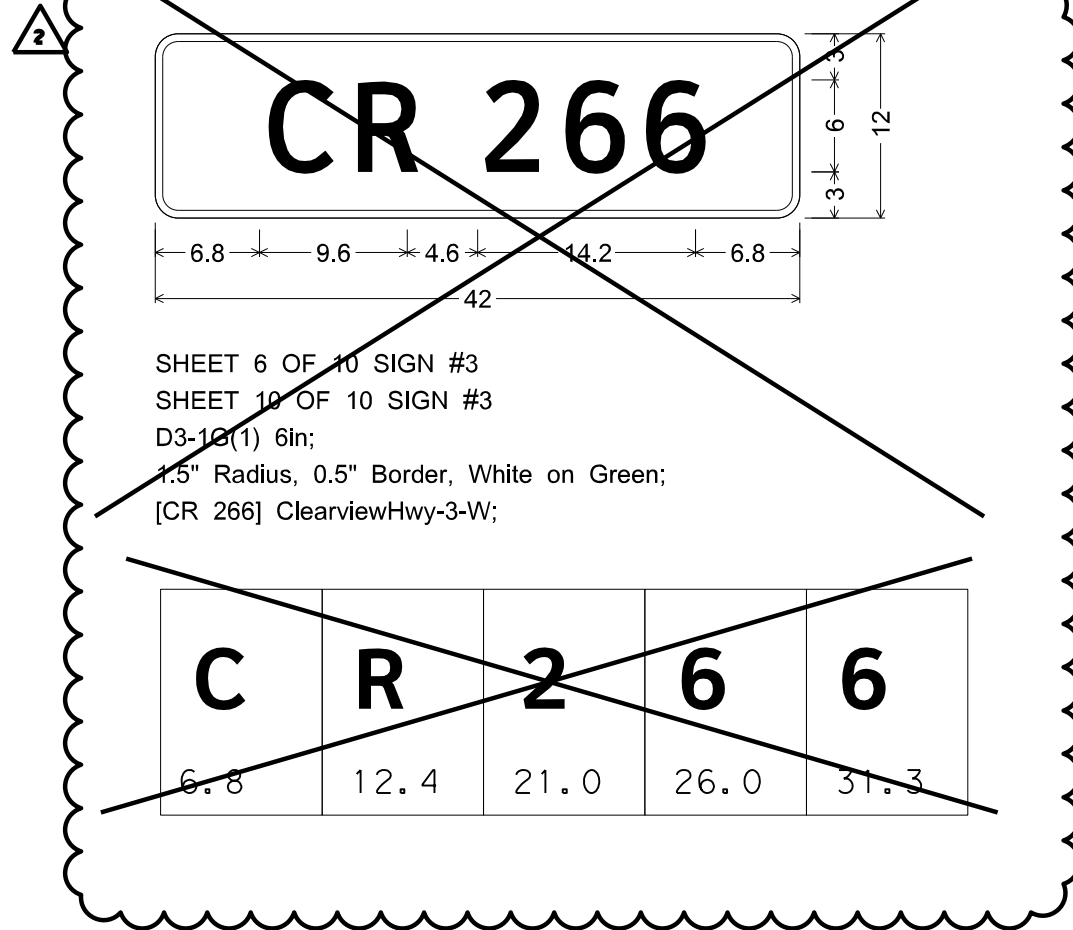
DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		233

SHEET 10 OF 10



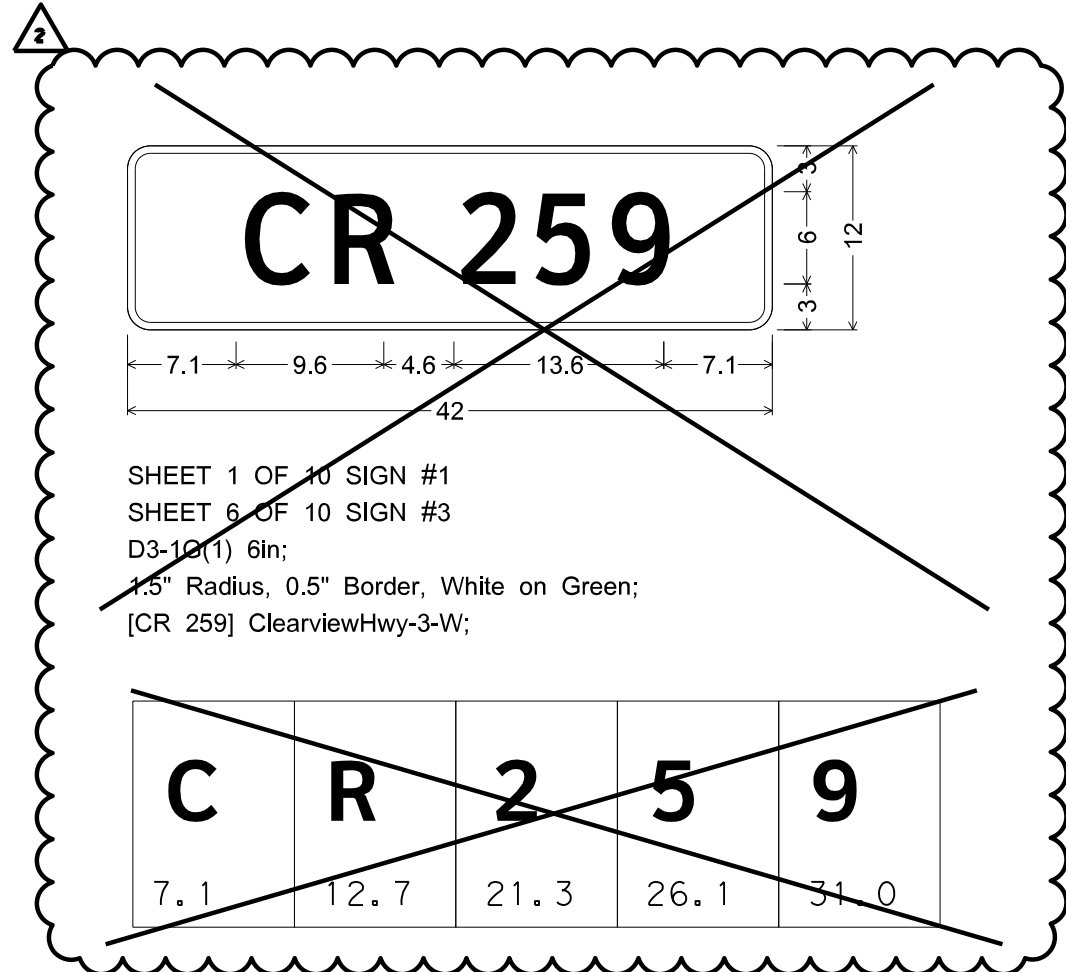
SHEET 1 OF 10 SIGN #1
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
[US 183] ClearviewHwy-3-W;

U	S	1	8	3
7.8	13.3	21.6	25.5	30.5



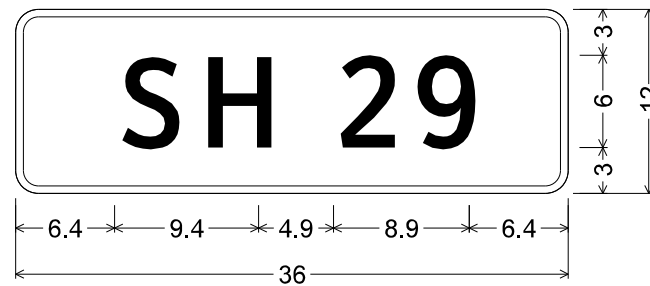
SHEET 6 OF 10 SIGN #3
SHEET 10 OF 10 SIGN #3
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
[CR 266] ClearviewHwy-3-W;

C	R	2	6	6
6.8	12.4	21.0	26.0	31.3



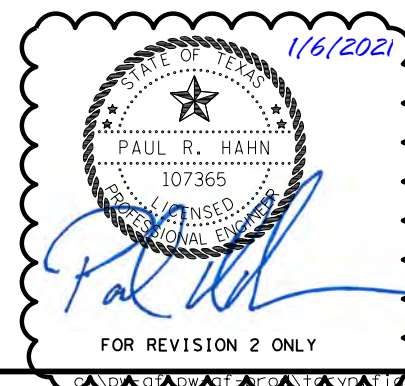
SHEET 1 OF 10 SIGN #1
SHEET 6 OF 10 SIGN #3
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
[CR 259] ClearviewHwy-3-W;

C	R	2	5	9
7.1	12.7	21.3	26.1	31.0



SHEET 10 OF 10 SIGN #3
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
[SH 29] ClearviewHwy-3-W;

S	H	2	9
6.4	11.7	20.7	25.6



2	12/22/2020	Update Signing & Striping	
NO.	DATE	REVISIONS	RECOM'D

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AGUIRRE & FIELDS LP
ENGINEERS AND PLANNERS
TBP# FIRM REGISTRATION # 739

**SEWARD JUNCTION
SOUTHEAST**

SMALL SIGN DETAILS

SHEET 1 OF 4

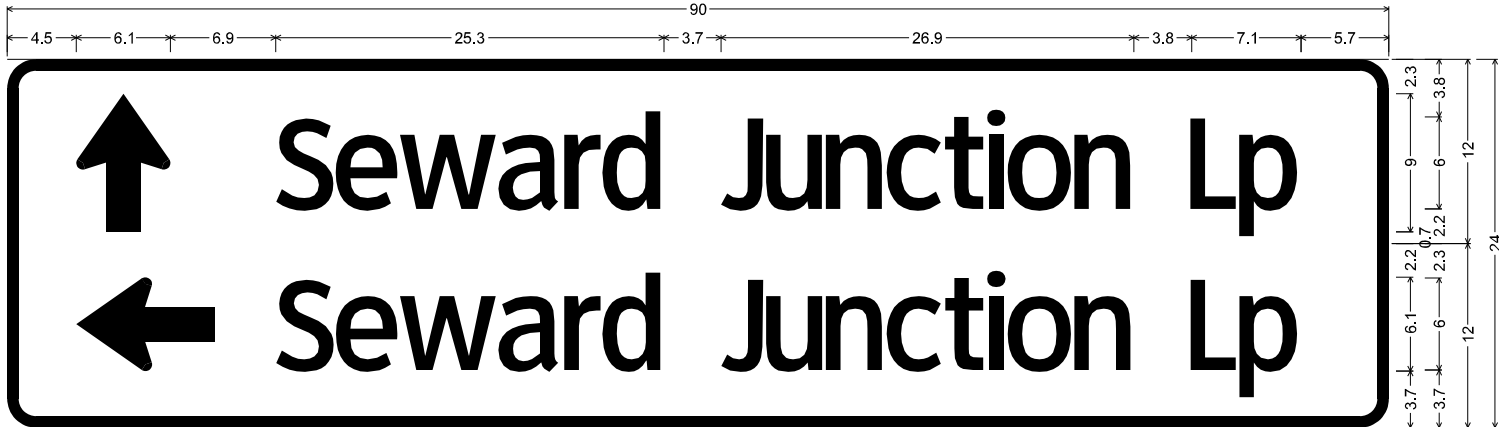
DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		234

DATE: 1/6/2021
DRAWING FILE: c:\pw-af\pw-af-prod\taryn.ficke@aguirre-fields.com\d0137920\269011SSD02.dgn

Seward Junction Lp

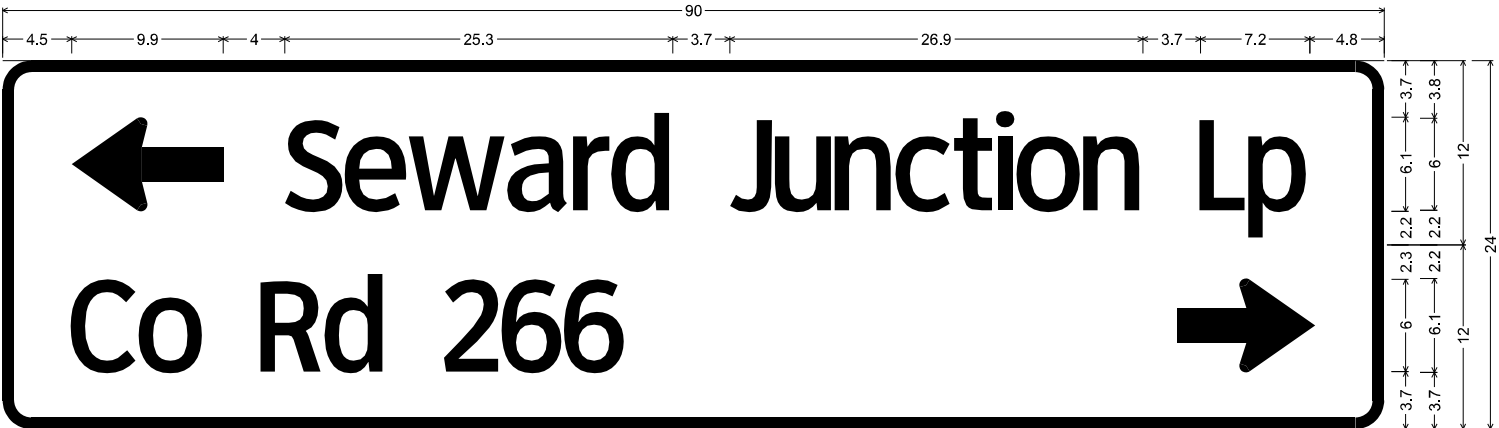
Identifier : D3-1G(1) 6in
1.5" Radius, 0.5" Border, White on Green;
[Seward Junction Lp] ClearviewHwy-3-W 30% spacing;

SHEET 1 OF 10 SIGN #1
SHEET 1 OF 10 SIGN #17
SHEET 6 OF 10 SIGN #3
SHEET 10 OF 10 SIGN #3



Identifier : D1-2 6in UP-LT
1.9" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°; [Seward Junction Lp] ClearviewHwy-3-W 10% spacing;
1.9" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Seward Junction Lp] ClearviewHwy-3-W 10% spacing;

SHEET 8 OF 10 SIGN #3

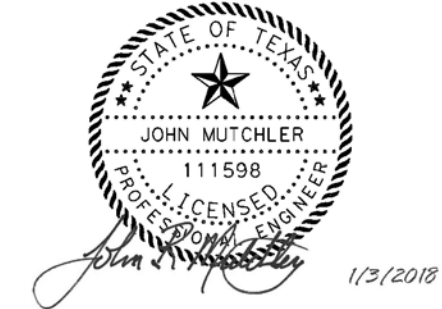
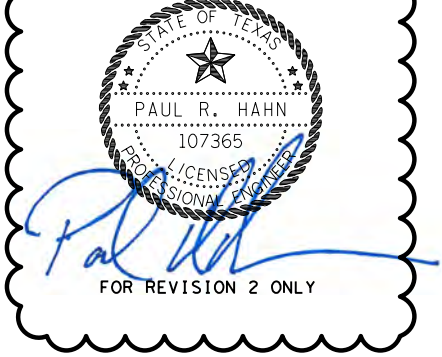


Identifier : D1-2 6in 45LT-RT
1.9" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 9.9" X 6.1" 180°; [Seward Junction Lp] ClearviewHwy-3-W 10% spacing;
1.9" Radius, 0.8" Border, White on Green;
[Co Rd 266] ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 9.0" X 6.1" 0°;

SHEET 8 OF 10 SIGN #4



1/6/2021



NO.	DATE	NEW SHEET - ADDED SIGNS REVISIONS	RECOM'D
2	12/22/2020		



SEWARD JUNCTION
SOUTHEAST

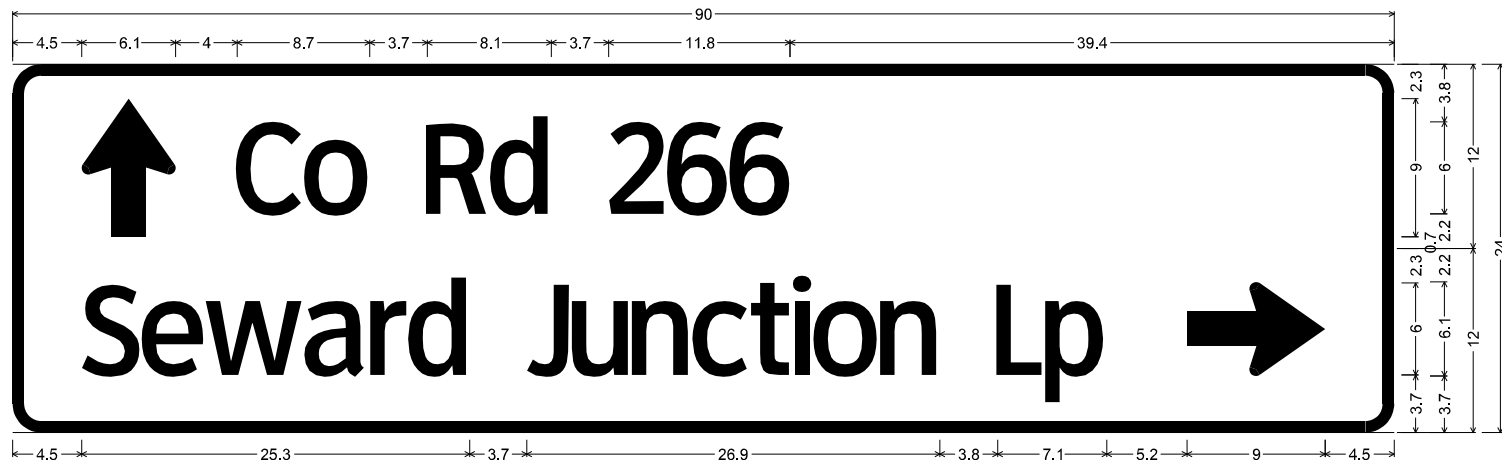
SMALL SIGN DETAILS

SHEET 2 OF 4						
DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.		HIGHWAY NO.
CK DN:	JRM	6	TEXAS			259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.
CK DW:	JRM	AUS	WILLIAMSON			234g

1/6/2021

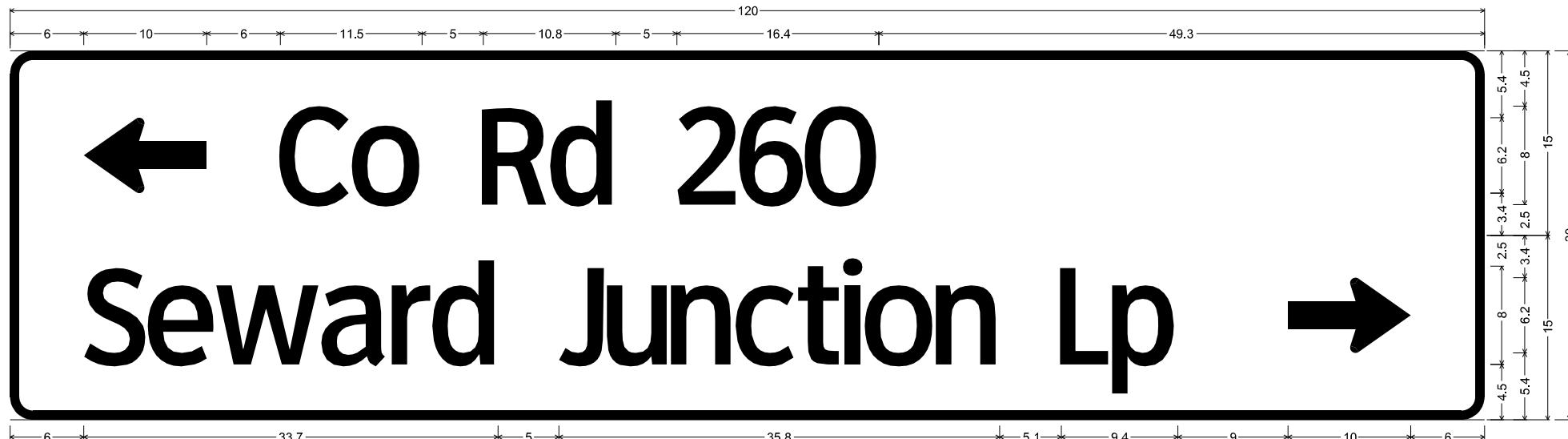
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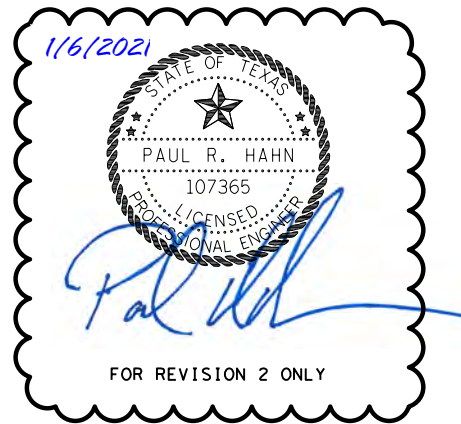
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1.9" Radius, 0.8" Border, White on Green;
[Seward Junction Lp] ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 9.0" X 6.1" 0°;

SHEET 8 OF 10 SIGN #5



Identifier : D1-2 8in LT-RT
1.9" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 10.0" X 6.1" 180°; [Co Rd 260] ClearviewHwy-3-W 10% spacing;
1.9" Radius, 0.8" Border, White on Green;
[Seward Junction Lp] ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 10.0" X 6.1" 0°;

SHEET 10 OF 10 SIGN #4



NO.	DATE	NEW SHEET - ADDED SIGNS	REVISIONS	RECOM'D
2	12/22/2020			



SEWARD JUNCTION
SOUTHEAST

SMALL SIGN DETAILS

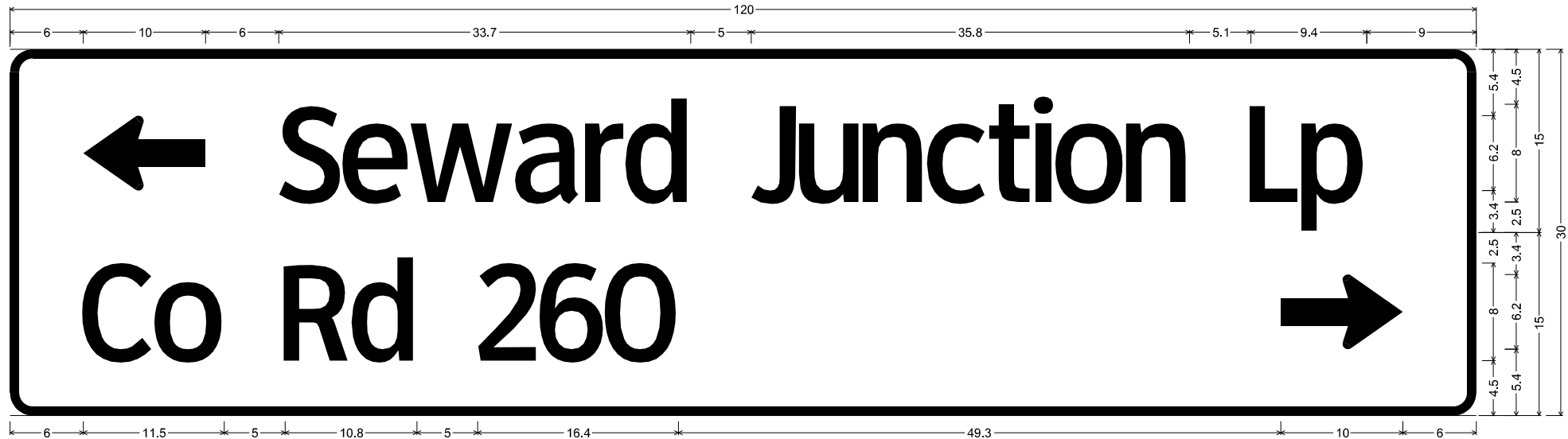
SHEET 3 OF 4

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL SECTION NO.	JOB NO.
CK DW:	JRM	AUS	WILLIAMSON		234b

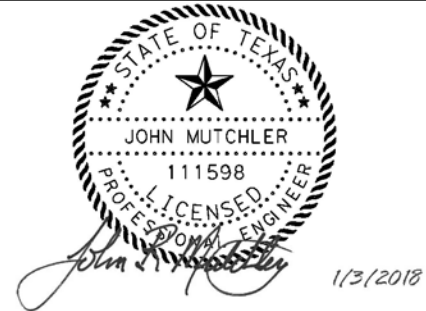
1/6/2021

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DATE: 1/6/2021
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Identifer : D1-2 8In LT-RT
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Standard Arrow Custom 10.0" X 6.1" 180°; [Seward Junction Lp] ClearviewHwy-3-W 10% spacing;
1.9" Radius, 0.8" Border, White on Green;
[Co Rd 260] ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 10.0" X 6.1" 0°;
SHEET 10 OF 10 SIGN #5



NO.	DATE	REVISIONS	RECOM'D
2	12/22/2020	NEW SHEET - ADDED SIGNS	



SEWARD JUNCTION
SOUTHEAST

SMALL SIGN DETAILS

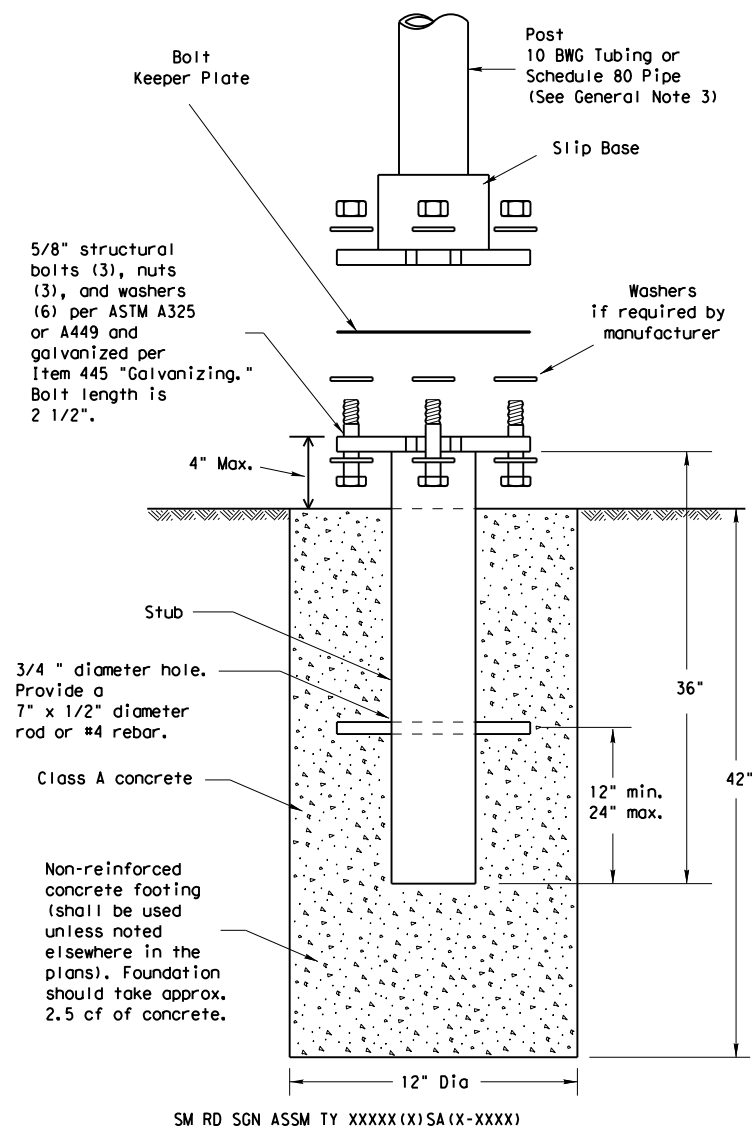
SHEET 4 OF 4

DN:	RAW	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	JRM	6	TEXAS		259/266
DW:	TJR	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	JRM	AUS	WILLIAMSON		234c

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TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS



NOTE

There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. http://www.txdot.gov/business/producer_list.htm The devices shall be installed per manufacturers' recommendations. Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES:

- Slip base shall be permanently marked to indicate manufacturer. Method, design, and location of marking are subject to approval of the TxDOT Traffic Standards Engineer.
- Material used as post with this system shall conform to the following specifications:
 - 10 BWG Tubing (2.875" outside diameter)
 - 0.134" nominal wall thickness
 - Seamless or electric-resistance welded steel tubing or pipe
 - Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
 - Other steels may be used if they meet the following:
 - 55,000 PSI minimum yield strength
 - 70,000 PSI minimum tensile strength
 - 20% minimum elongation in 2"
 - Wall thickness (uncoated) shall be within the range of 0.122" to 0.138"
 - Outside diameter (uncoated) shall be within the range of 2.867" to 2.883"
 - Galvanization per ASTM A123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
 - Schedule 80 Pipe (2.875" outside diameter)
 - 0.276" nominal wall thickness
 - Steel tubing per ASTM A500 Gr C
 - Other seamless or electric-resistance welded steel tubing or pipe with equivalent outside diameter and wall thickness may be used if they meet the following:
 - 46,000 PSI minimum yield strength
 - 62,000 PSI minimum tensile strength
 - 21% minimum elongation in 2"
 - Wall thickness (uncoated) shall be within the range of 0.248" to 0.304"
 - Outside diameter (uncoated) shall be within the range of 2.855" to 2.895"
 - Galvanization per ASTM A123
- See the Traffic Operations Division website for detailed drawings of sign clamps and Texas Universal Triangular Slipbase System components. The website address is: <http://www.txdot.gov/publications/traffic.htm>
- Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.

ASSEMBLY PROCEDURE

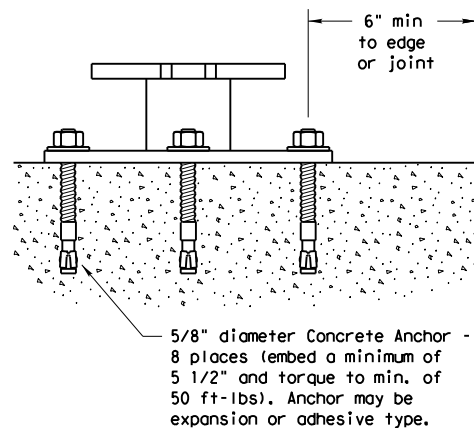
Foundation

- Prepare 12-inch diameter by 42-inch deep hole. If solid rock is encountered, the depth of the foundation may be reduced such that it is embedded a minimum of 18 inches into the solid rock.
- The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor-driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Concrete shall be Class A.
- Push the pipe end of the slip base stub into the center of the concrete. Rotate the stub back and forth while pushing it down into the concrete to assure good contact between the concrete and stub. Continue to work the stub into the concrete until it is between 2 to 4 inches above the ground.
- Plumb the stub. Allow a minimum of 4 days to set, unless otherwise directed by the Engineer.
- The triangular slipbase system is multidirectional and is designed to release when struck from any direction.

Support

- Cut support so that the bottom of the sign will be 7 to 7.5 feet above the edge of the travelway (i.e., edge of the closest lane) when slip plate is below the edge of pavement or 7 to 7.5 feet above slip plate when the slip plate is above the edge of the travelway. The cut shall be plumb and straight.
- Attach sign to support using connections shown. When multiple signs are installed on the same support, ensure the minimum clearance between each sign is maintained. See SMD(SLIP-2) for clearances based on sign types.

CONCRETE ANCHOR



Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. Heavy hex nut per ASTM A563, and hardened washer per ASTM F436. The stud bolt shall have a minimum yield and ultimate tensile strength of 50 and 75 KSI, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations. Top of bolt shall extend at least flush with top of the nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 5 1/2" minimum embedment, shall have a minimum allowable tension and shear of 3900 and 3100 psi, respectively.

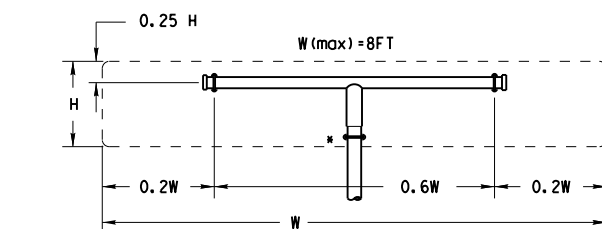


SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM

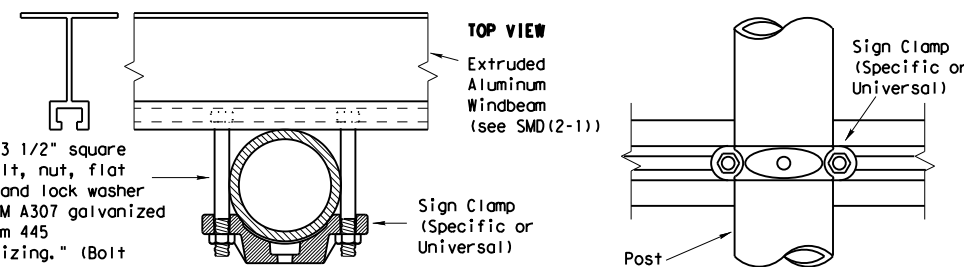
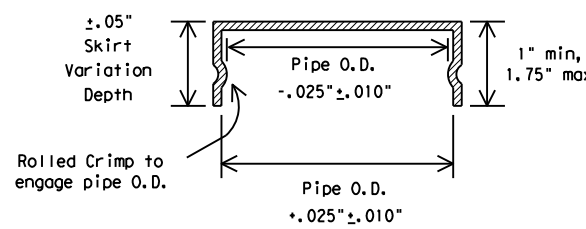
SMD(SLIP-1)-08

© TxDOT July 2002		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
9-08	REVISIONS	CONT	SECT	JOB	HIGHWAY
		DIST	COUNTY		SHEET NO.
		AUS	WILLIAMSON		247a

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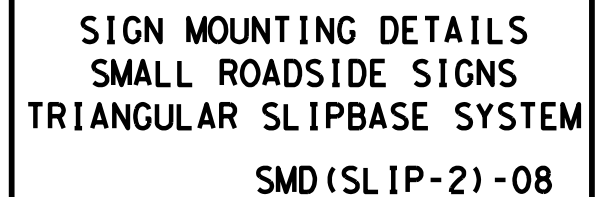


SM RD SGN ASSM TY XXXXX(1)XX(T)
(* - See Note 12)

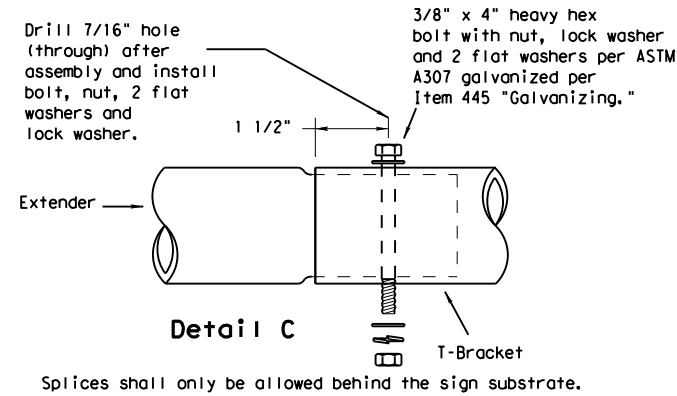
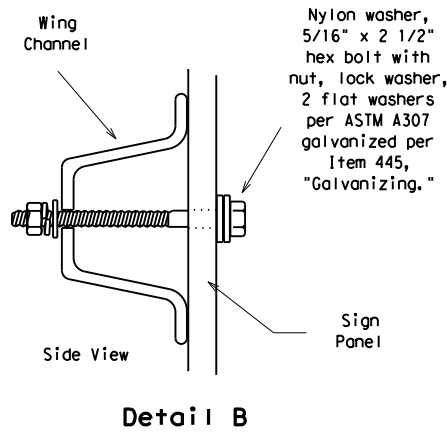
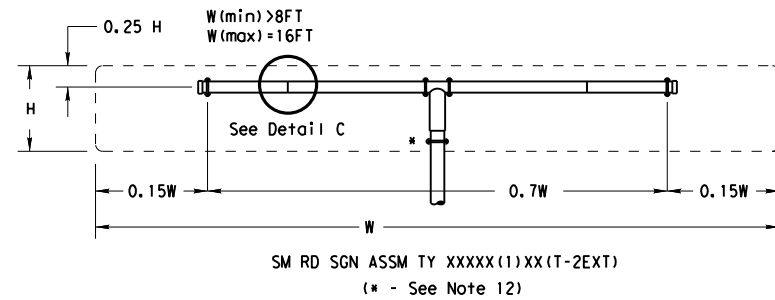


Caps shall have an electrodeposited coating of zinc in accordance with the requirements of ASTM B633 Class FE/ZN 8.

SIGN DESCRIPTION		SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

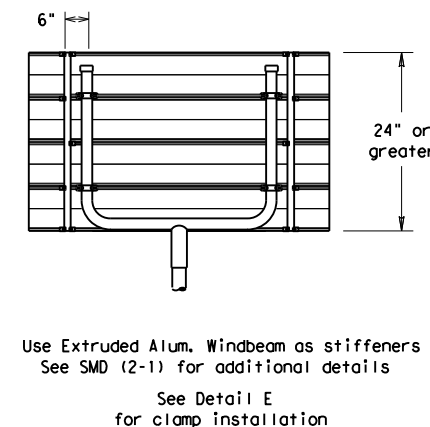
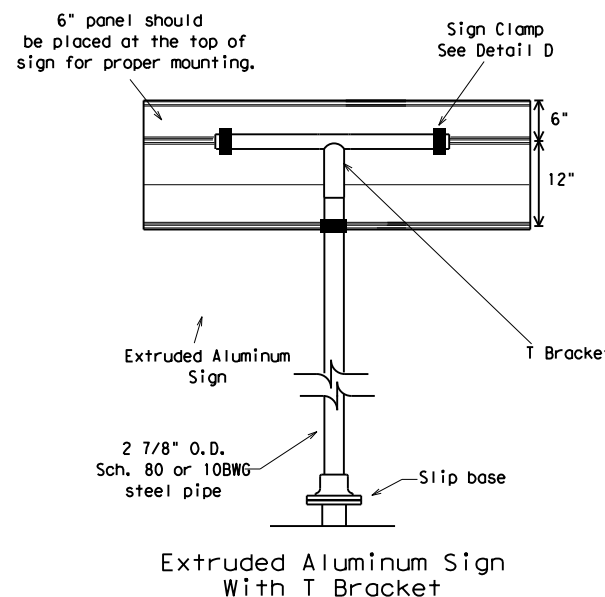
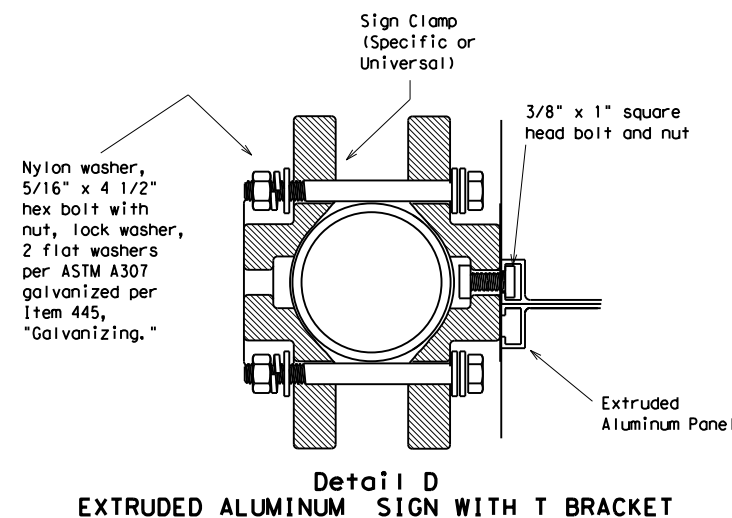
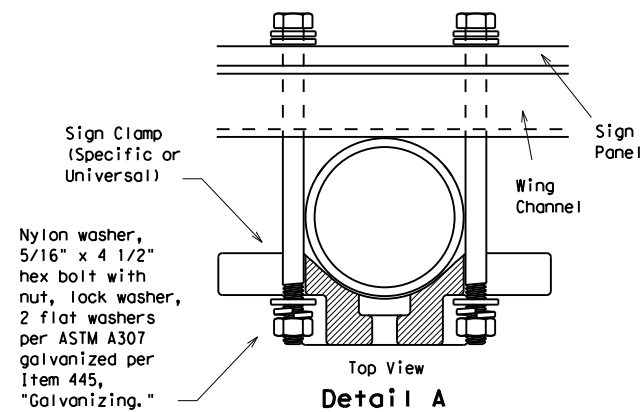
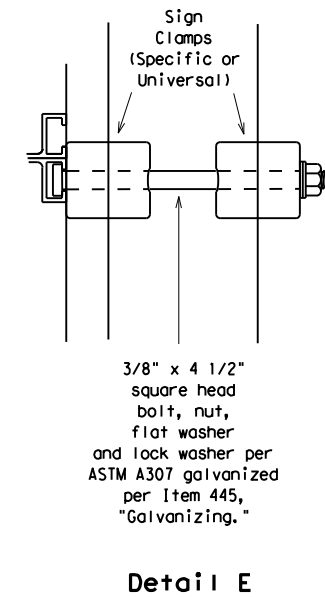
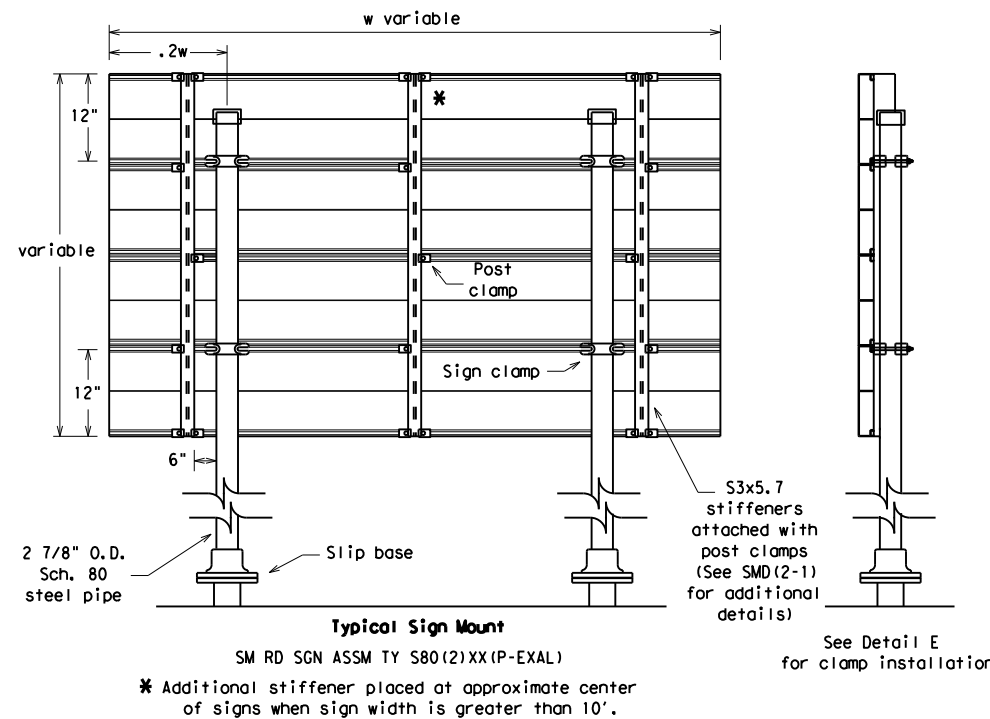
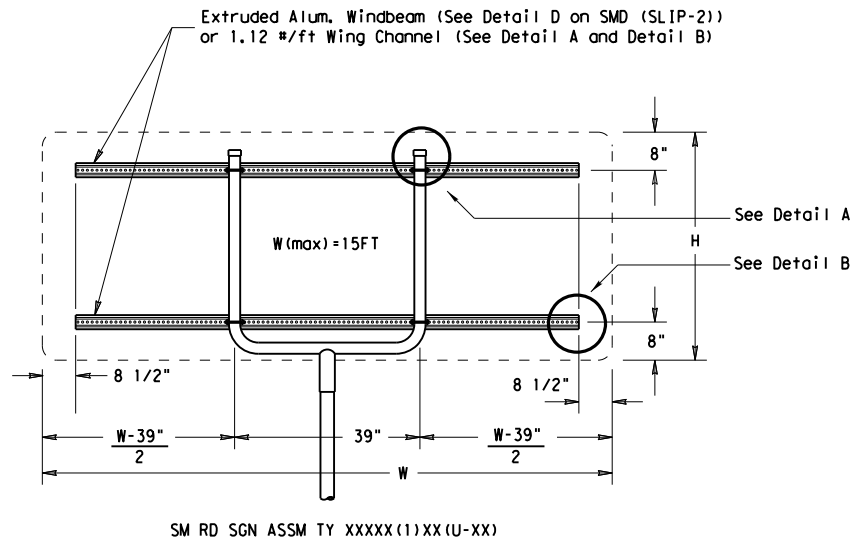


© TxDOT July 2002		DN: TXDOT		CK: TXDOT		DW: TXDOT		CK: TXDOT	
9-08	REVISIONS	CONT	SECT	JOB			HIGHWAY		
		DIST		COUNTY				SHEET NO.	
		AUS		WILLIAMSON				247b	



GENERAL NOTES:

- | SIGN SUPPORT | # OF POSTS | MAX. SIGN AREA |
|--------------|------------|----------------|
| 10 BWG | 1 | 16 SF |
| 10 BWG | 2 | 32 SF |
| Sch 80 | 1 | 32 SF |
| Sch 80 | 2 | 64 SF |
- The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
- Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
- Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
- Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
- For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
- When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
- Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per ASTM A 123.
- Excess pipe, wing channel, or windbeam shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
- Sign blanks shall be the sizes and shapes shown on the plans.
- Additional sign clamp required on the "T-bracket" post for 24 inch high signs. Place the clamp 3 inches above bottom of sign when possible.
- Post open ends shall be fitted with Friction Caps.



REQUIRED SUPPORT		
SIGN DESCRIPTION		SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

		SUMMARY OF SIGNING AND MARKING ITEMS											
SIGNING & MARKING PLAN SHEET NO.	LOCATION	644	644	644	644	644	644	644	644	658	658	666	666
		6001	6004	6060	6061	6027	6030	6033	6046	6059	6003	6006	
		IN SM RD SN SUP&AM TY10BWG(1) SA(P)	IN SM RD SN SUP&AM TY10BWG(1) SA(T)	IN SM RD SN SUP&AM TYTWT(1)WS (P)	IN SM RD SN SUP&AM TYTWT(1)WS (T)	IN SM RD SN SUP&AM TYS80(1)SA (P)	IN SM RD SN SUP&AM TYS80(1)SA (T)	IN SM RD SN SUP&AM TYS80(1)SA (U)	INSTL OM ASSM (OM- 2X) (WC) GND	INSTL OM ASSM (OM- 4) (FLX) GND	REFL PAV MRK TY I (W) 4" (BRK) (100MIL)	REFL PAV MRK TY I (W) 4" (DOT) (100MIL)	
		EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	
1 OF 6	SIGNING AND MARKING PLAN	2	2	1				2					
2 OF 6	SIGNING AND MARKING PLAN	1							2				
3 OF 6	SIGNING AND MARKING PLAN												
4 OF 6	SIGNING AND MARKING PLAN			2		3			4		544	431	
5 OF 6	SIGNING AND MARKING PLAN		1	4				1	1	6	526		
6 OF 6	SIGNING AND MARKING PLAN	1									23		
PROJECT TOTALS:		4	3	8	0	5	2	1	7	6	1093	990	

SIGNING & MARKING PLAN SHEET NO.		LOCATION		SUMMARY OF SIGNING AND MARKING ITEMS											
				666	666	666	666	666	666	666	666	666	666	672	672
				6303	6036	6042	6048	6054	6078	6120	6315	6147	6009	6007	
				RE PM W/RET REQ TY I (W)4"(SLD) (100MIL)	REFL PAV MRK TY I (W)8"(SLD) (100MIL)	REFL PAV MRK TY I (W)12"(SLD) (100MIL)	REFL PAV MRK TY I (W)24"(SLD) (100MIL)	REFL PAV MRK TY I (W) (ARROW) (100MIL)	REFL PAV MRK TY I (W) (WORD) (100MIL)	REFL PAV MRK TY I (Y)4"(BRK) (100MIL)	RE PM W/RET REQ TY I (Y)4"(SLD) (100MIL)	REFL PAV MRK TY I (Y)24"(SLD) (100MIL)	REFL PAV MRKR TY II-A-A	REFL PAV MRKR TY I-	
				LF	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	
1 OF 6	SIGNING AND MARKING PLAN	1811	150		122	7	6		1046		53				
2 OF 6	SIGNING AND MARKING PLAN	190				2	2	3011	3679		34				
3 OF 6	SIGNING AND MARKING PLAN		300			2	2	3985	3985						
4 OF 6	SIGNING AND MARKING PLAN	514				1	1	3605	4088			14			
5 OF 6	SIGNING AND MARKING PLAN	1558	445	461	128	5	4		20			61			
6 OF 6	SIGNING AND MARKING PLAN	605		353			2			195	40				
PROJECT TOTALS:		4678	895	814	250	17	17	10601	13013	40	87	75			

		SUMMARY OF TRAFFIC CONTROL ITEMS
TRAFFIC CONTROL PLAN & PROFILE SHEET NO.	LOCATION	502
		6001
		BARRICADES, SIGNS AND TRAFFIC HANDLING
		MO
SHEET 1 OF 2		
SHEET 2 OF 2		
	PROJECT TOTALS:	10

658-6078 INSTL OM ASSM (OM-4) (TWT) (WAS)
Quantity 6 ea.

 K · FRIESE + ASSOCIATES PUBLIC PROJECT ENGINEERING (FIRM # 6535)  WILLIAMSON COUNTY 1848 WILLIAMSON COUNTY <tr><td colspan="2">SCALEAS NOTED</td></tr> <tr><td colspan="2">DATE1/12/2021</td></tr> <tr><td colspan="2">SHEET NUMBER</td></tr> <tr><td colspan="2">15 of 266</td></tr>			SCALEAS NOTED		DATE1/12/2021		SHEET NUMBER		15 of 266	
			SCALEAS NOTED							
			DATE1/12/2021							
			SHEET NUMBER							
			15 of 266							

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SUMMARY OF SMALL SIGNS

Clear Sheet

Copy Sheet

SMARD SGN ASSM TY XXXXX (X) XX (X-XXXX)

SUMMARY OF SMALL SIGNS						SMARD SGN ASSM TY XXXXX (X) XX (X-XXXX)			

ALUMINUM SIGN BLANKS (TYPE A)

Square Ft. Min. Thickness

Less than 7.5 0.080"
7.5 to 15 0.100"
Greater than 15 0.125"

Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.

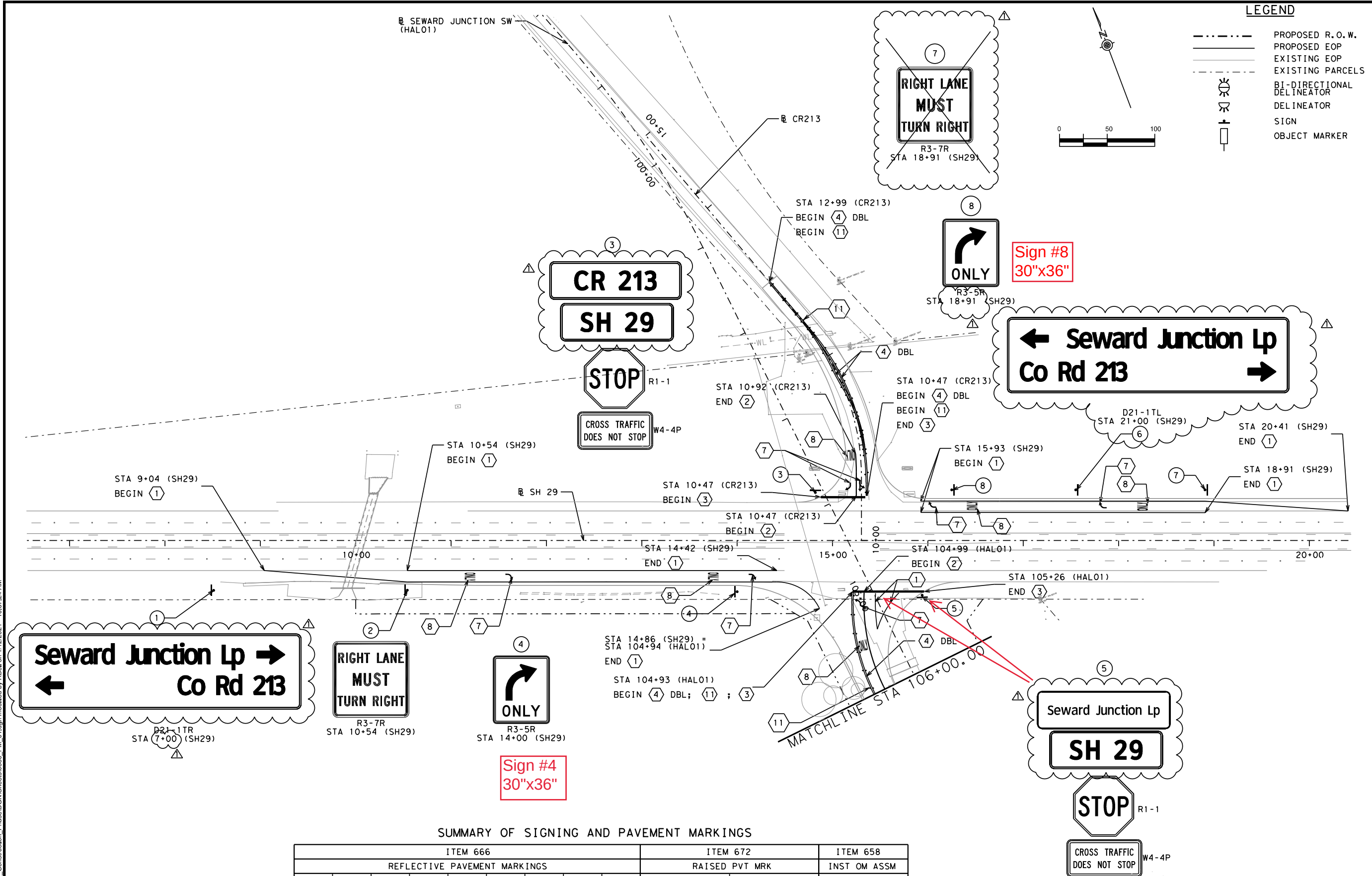


K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
WILLIAMSON COUNTY
SEWARD JUNCTION SW
SUMMARY OF SMALL SIGNS



WILLIAMSON COUNTY

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SUMMARY OF SIGNING AND PAVEMENT MARKINGS

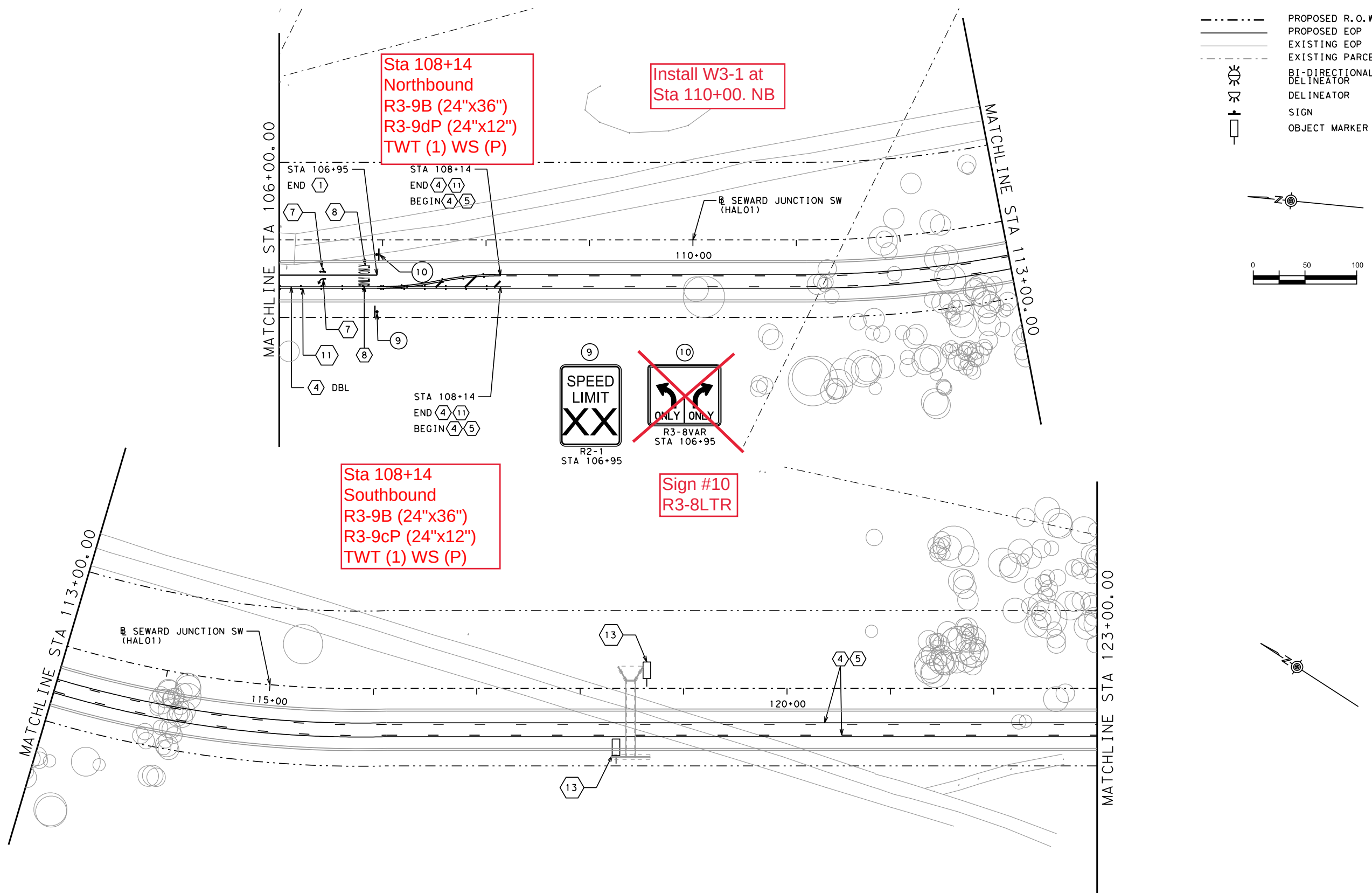
ITEM 666									ITEM 672		ITEM 658
REFLECTIVE PAVEMENT MARKINGS									RAISED PVT MRK		INST OM ASSM
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(11)	(12)	(13)
4" WHITE SLD	8" WHITE SLD	24" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	24" YELLOW SLD	WHITE ARROW	WORD "ONLY"	4" WHITE DOT	CL B REFL TY II-A-A	CL B REFL TY I-C	(OM-2X) (WC) GND
LF	LF	LF	LF	LF	LF	EA	EA	LF	EA	EA	EA
1,811	150	122	1,046	0	0	7	6	0	53	0	0

REVISION DESCRIPTION		DATE	BY
1	BRB	1/12/21	

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, IL-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
SEWARD JUNCTION SW
SIGNING AND PAVEMENT MARKING PLAN
SHEET 1 OF 6

WILLIAMSON COUNTY	
SCALE	AS NOTED
DATE	1/12/2021
SHEET NUMBER	129 OF 266



SUMMARY OF SIGNING AND PAVEMENT MARKINGS

ITEM 666								ITEM 672		ITEM 658
REFLECTIVE PAVEMENT MARKINGS								RAISED PVT MRK		INST OM ASSM
①	②	③	④	⑤	⑥	⑦	⑧	⑪	⑫	⑬
4" WHITE SLD	8" WHITE SLD	24" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	24" YELLOW SLD	WHITE ARROW	WORD "ONLY"	CL B REFL TY II-A-A	CL B REFL TY I-C	(OM-2X) (WC) GND
LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
190	0	0	3,679	3,011	36	2	2	34	0	2

LEGEND

-----	PROPOSED R. O. W.
=====	PROPOSED EOP
=====	EXISTING EOP
-----	EXISTING PARCELS
	BI-DIRECTIONAL DELINEATOR
	DELINEATOR
	SIGN
	OBJECT MARKER

 K·FRIESE + ASSOCIATES PUBLIC PROJECT ENGINEERING (FIRM # 6535)		 WILLIAMSON COUNTY 1848		WILLIAMSON COUNTY	
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746 K FRIESE & ASSOCIATES, INC.		WILLIAMSON COUNTY SEWARD JUNCTION SW		SIGNING AND PAVEMENT MARKING PLAN SHEET 2 OF 6	
					
NO.	1	BR#	1/12/21	DATE	
SCALE		AS NOTED			
DATE		1/12/2021			
SHEET NUMBER		130 OF 266			

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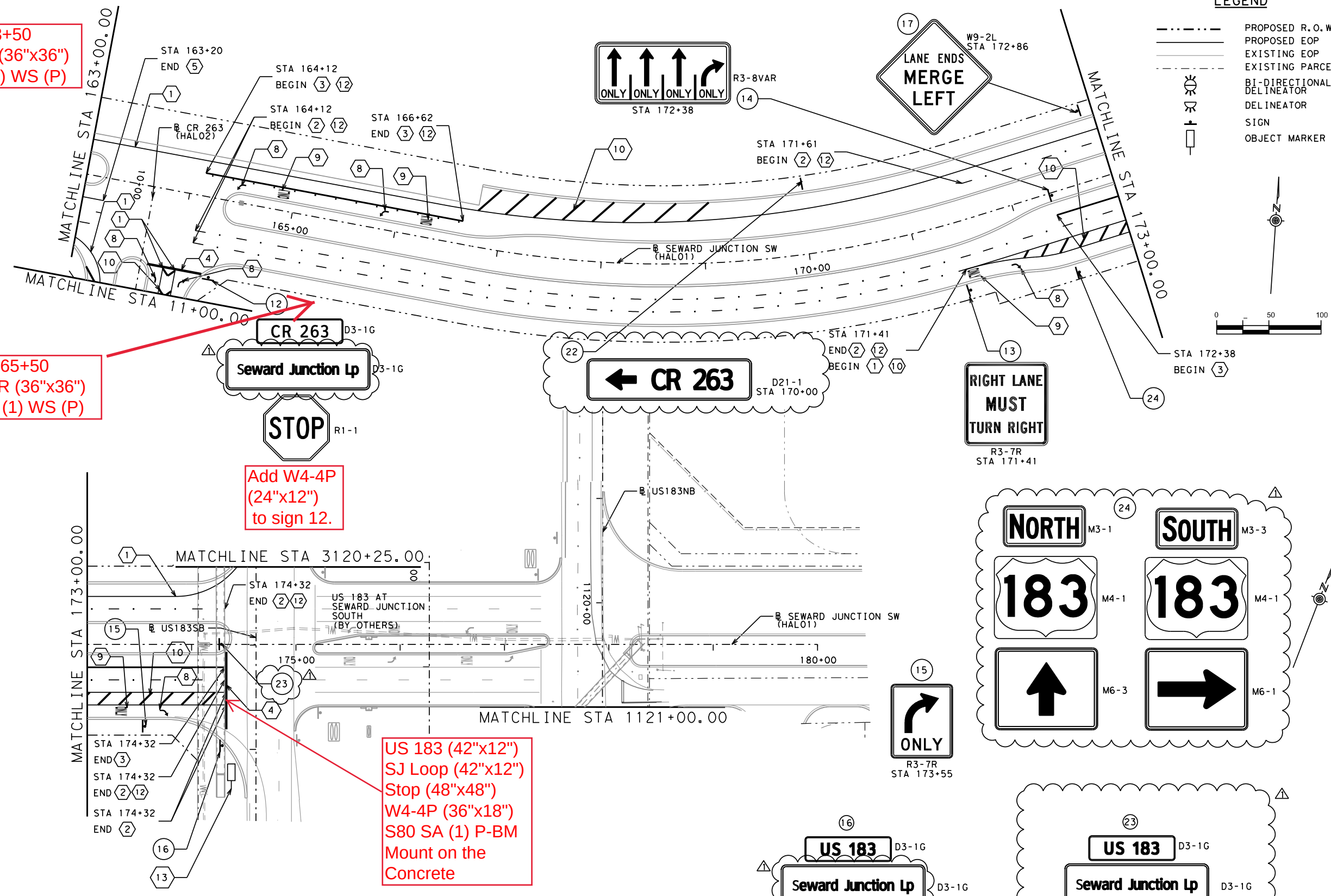
Sta 163+50
W1-4L (36"x36")
TWT (1) WS (P)

Sta 165+50
R3-7R (36"x36")
TWT (1) WS (P)

Add W4-4P
(24"x12")
to sign 12.

US 183 (42"x12")
SJ Loop (42"x12")
Stop (48"x48")
W4-4P (36"x18")
S80 SA (1) P-BM
Mount on the
Concrete

W4-4P needs to
be 36"x18" on all
stop signs.



SUMMARY OF SIGNING AND PAVEMENT MARKINGS

ITEM 666										ITEM 672		ITEM 658
REFLECTIVE PAVEMENT MARKINGS										RAISED PVT MRK		INST OM ASSM
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
4" WHITE SLD	4" WHITE BKN	8" WHITE SLD	24" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	24" YELLOW SLD	WHITE ARROW	WORD "ONLY"	12" WHITE SLD	CL B REFL TY II-A-A	CL B REFL TY I-C-R	(OM-2X) (WC) GND
LF	LF	LF	LF	LF	LF	LF	EA	EA	LF	EA	EA	EA
1,558	526	445	128	20	0	0	5	4	461	0	61	1

REVISION DESCRIPTION
REV. NO. DATE BY
1 1/12/21 BRE 1/12/21

B. RYAN BELL
92578
LICENSED PROFESSIONAL ENGINEER
1/12/2021

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, IL-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
SEWARD JUNCTION SW

SIGNING AND PAVEMENT MARKING PLAN
SHEET 5 OF 6

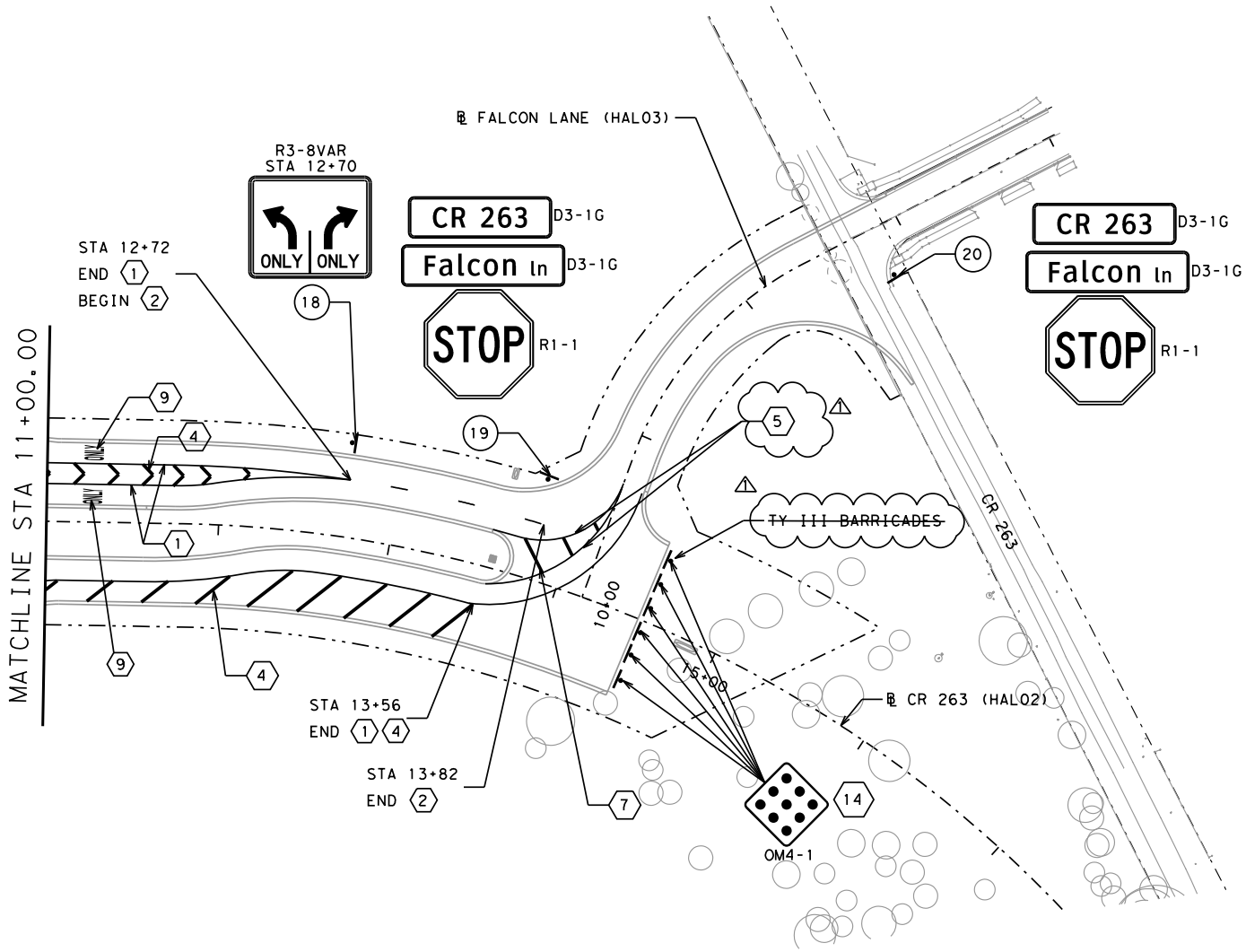
K. FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
(FIRM # 6536)

WILLIAMSON COUNTY
1848

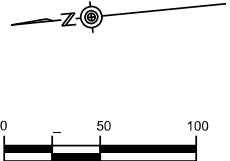
WILLIAMSON COUNTY

SCALE	AS NOTED
DATE	1/12/2021
SHEET NUMBER	133 OF 266

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LEGEND	
---	PROPOSED R.O.W.
---	PROPOSED EOP
---	EXISTING EOP
---	EXISTING PARCELS
⚡	BI-DIRECTIONAL DELINEATOR
⚡	DELINEATOR
+	SIGN
+	OBJECT MARKER



REVISION DESCRIPTION	
REV. NO.	DATE
1	1/12/2021

K FRIESE & ASSOCIATES, INC. 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746	
WILLIAMSON COUNTY SEWARD JUNCTION SW	
SIGNING AND PAVEMENT MARKING PLAN SHEET 6 OF 6	



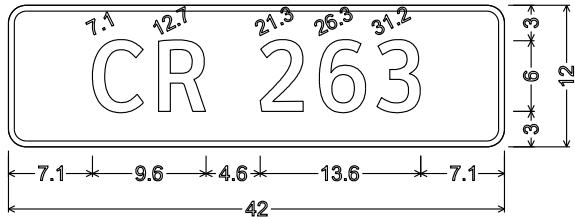
WILLIAMSON COUNTY	
SCALE	AS NOTED
DATE	1/12/2021
SHEET NUMBER	134 OF 266

SUMMARY OF SIGNING AND PAVEMENT MARKINGS

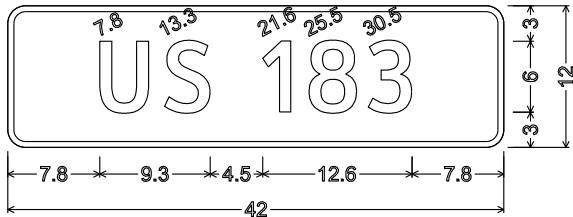
ITEM 666									ITEM 672		ITEM 658	ITEM 658
REFLECTIVE PAVEMENT MARKINGS									RAISED PVT MRK		INST OM ASSM	INST OM ASSM
1	2	3	4	5	6	7	8	9	11	12	13	14
4" WHITE SLD	4" WHITE BKN	8" WHITE SLD	12" WHITE SLD	4" YELLOW SLD	4" YELLOW BRK	12" YELLOW SLD	WHITE ARROW	WORD "ONLY"	CL B REFL TY II-A-A	CL B REFL TY I-C	(OM-2X) (WC) GND	(OM-4) (TWT) (WAS)
LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
605	23	0	353	195	0	40	0	2	0	0	0	6



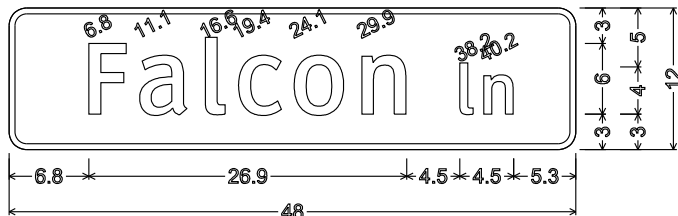
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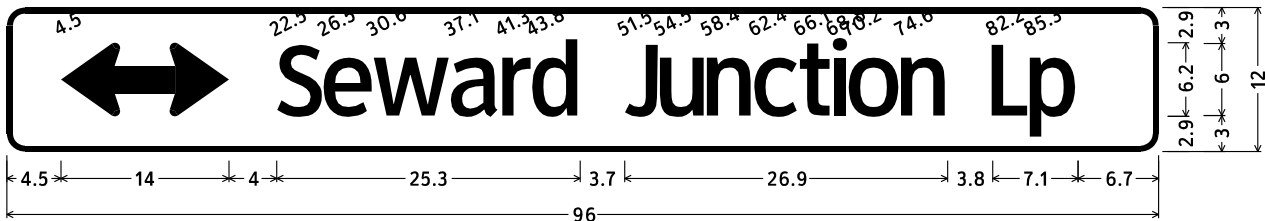
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
"CR 263" ClearviewHwy-3-W;



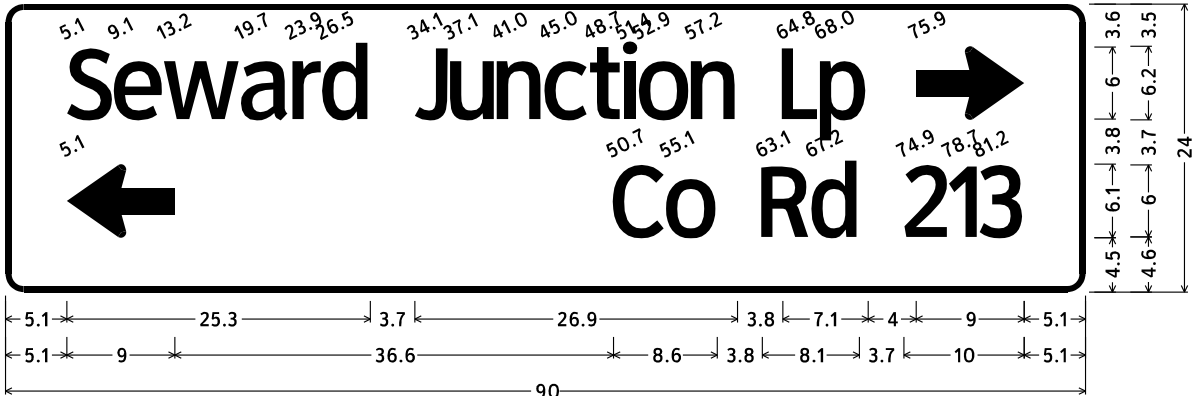
D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on Green;
"US 183" ClearviewHwy-3-W;



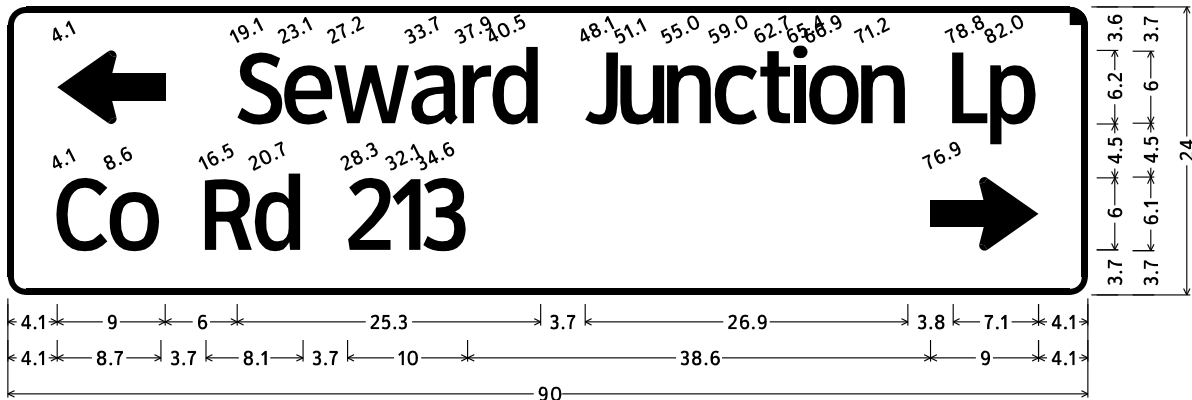
D3-1G(1) 6in; 1.5" Radius, 0.5" Border, White on Green;
"Falcon" ClearviewHwy-3-W; "In" ClearviewHwy-3-W;



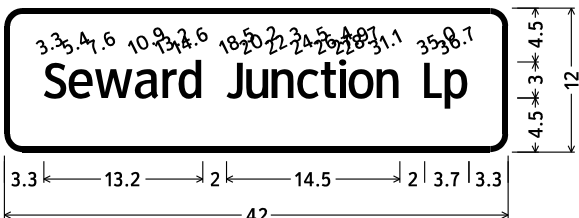
D21-1TDBL_VARx12;
1.5" Radius, 0.5" Border, White on, Green;
Double Headed Arrow Custom - 14.0" O'; "Seward Junction Lp", ClearviewHwy-3-W 10% spacing;



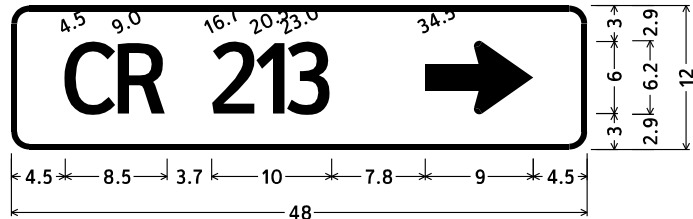
D21-1TR_VARx12;
1.5" Radius, 0.5" Border, White on, Green;
"Seward Junction Lp", ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 9.0" X 6.1" O';
Standard Arrow Custom 9.0" X 6.1" 180'; "Co Rd 213", ClearviewHwy-3-W 10% spacing;



D21-1TL_VARx12;
1.5" Radius, 0.5" Border, White on, Green;
Standard Arrow Custom 9.0" X 6.1" 180'; "Seward Junction Lp", ClearviewHwy-3-W 10% spacing;
"Co Rd 213", ClearviewHwy-3-W 10% spacing; Standard Arrow Custom 9.0" X 6.1" O';



D3-1G(1) 6in;
1.5" Radius, 0.5" Border, White on, Green;
"Seward Junction Lp", ClearviewHwy-3-W 30% spacing;



D21-1TR_VARx12;
1.5" Radius, 0.5" Border, White on, Green;
"CR 213", ClearviewHwy-3-W 10% spacing;
Standard Arrow Custom 9.0" X 6.1" O';

REVISION DESCRIPTION		DATE		BY		REV. NO.	
FW REVISIONS		1/12/21		BRR		1	