

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

Received

AUG 21 2015

Received

AUG 26 2015

HNTB Corporation
Round Rock

HNTB Corporation
Round Rock

1. CONTRACTOR: DNT Construction
2. Change Order Work Limits: Sta. 1+13 to Sta. 70+00
3. Type of Change(on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 3M, 3F (3 Max. - In order of importance - Primary first)

Project: 14IFB00219
Roadway: Lakeline Blvd Phase 2
CSJ Number: _____

5. Describe the work being revised:

3M: County Convenience. Other. As required by Item 3268, this Change Order adds Contract items to adjust the amount of compensation to be paid to the Contractor in proportion to the quality of the asphalt pavement produced and placed on the project.
3F: County Convenience. Additional work desired by the County. This Change Order also adds additional quantities and a new Contract item to compensate the contractor for installing additional small signs and object markers along the roadway. Twenty (20) days are being added for delays associated with the discovery and mitigation of a karst feature.

6. Work to be performed in accordance with Items: See Attached
7. New or revised plan sheet(s) are attached and numbered: 122A - 127A
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).

<p><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></p> <p>THE CONTRACTOR Date <u>8/13/15</u></p> <p>By <u>[Signature]</u></p> <p>Typed/Printed Name <u>SETH SEWELL</u></p> <p>Typed/Printed Title <u>PROJ. MGR.</u></p>	<p>The following information must be provided</p> <p>Time Ext. #: <u>1</u> Days added on this CO: <u>20</u></p> <p>Amount added by this change order: <u>\$18,766.35</u></p>
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RECOMMENDED FOR EXECUTION:

[Signature] 8/21/15
Project Manager Date

N/A
Design Engineer Date

[Signature] 08/21/2015
Program Manager Date

Design Engineer's Seal:

See Revised Plan Sheets

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

Project # 14IFB00219

[illegible]

ORIGINAL - + PREVIOUSLY REVISED						ADD or (DEDUCT)		NEW	
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN	
502-2001	BARRICADES, SIGNS, AND TRAF HANDLING	MO	\$1,025.00	9.00	\$9,225.00	1.00	\$10,250.00	\$1,025.00	
644-2001	IN SW RD SN SUP & AM TY10BWG (I) SA (P)	EA	\$425.00	16.00	\$6,800.00	1.00	\$7,225.00	\$425.00	
658-2329	INSTL DEL ASSM (D-SW) SZ 1 (FLX) GND	EA	\$36.05	0.00	\$0.00	74.00	\$2,667.70	\$2,667.70	
3268-WC01	D-GR HMA (QC/QA) TY-B PG64-22 BONUS/PENALTY	LS	\$5,219.35	0.00	\$0.00	1.00	\$5,219.35	\$5,219.35	
3268-WC02	D-GR HMA (QC/QA) TY-C SAC B PG70-22 BONUS/PENALTY	LS	\$4,479.30	0.00	\$0.00	1.00	\$4,479.30	\$4,479.30	
9999-010	ADDITIONAL PROJECT SIGNS	LS	\$4,950.00	0.00	\$0.00	1.00	\$4,950.00	\$4,950.00	
	TOTALS				\$16,025.00		\$34,791.35	\$18,766.35	

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
Lakeline Blvd Phase 2
Williamson County Project No. 14IFB00219

Change Order No. 2

Reason for Change

As required by Contract Item 3268 Dense Graded Hot Mix Asphalt (QC/QA), this Change Order adds new Contract items to adjust the compensation paid to the Contractor based on the quality of the hot mix asphalt pavement produced and placed. Specific job control tests were run on the asphalt (see attached back-up documentation) to monitor the quality of the asphalt mix. Using the results of these tests, in conjunction with formulas as outlined in the TxDOT specification, the Contractor was either awarded a bonus or assessed a penalty. This Change Order also adds additional quantities and a new Contract item to compensate the contractor for installing additional small signs and object markers along the roadway. Twenty (20) days are being added for actual delays associated with the discovery and mitigation of the karst feature found on November 11, 2014. A force account item was added in Change Order No. 1, to pay for the costs of the mitigation. The karst feature was located in the bioswale area near Station 69+00 and impacted the completion of the bioswale.

Following is a summary of the new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
658-2329	INSTL DEL ASSM (D-SW) SZ 1 (FLX) GND	74	EA
3268-WC01	D-GR HMA (QC/QA) TY-B PG64-22 BONUS/PENALTY	1	LS
3268-WC02	D-GR HMA (QC/QA) TY-C SAC B PG70-22 BONUS/PENALTY	1	LS
9999-010	ADDITIONAL PROJECT SIGNS	1	LS

This Change Order results in a net increase of \$18,766.35 to the Contract amount, for an adjusted Contract amount of \$2,782,275.37. The original Contract amount was \$2,768,985.10. As a result of this and all Change Orders to-date, \$13,290.27 has been added to the Contract resulting in a 0.5% increase in the Contract cost. Twenty (20) additional days will be added to the Contract as a result of this Change Order.

HNTB Corporation

James Klotz, P.E.

Lakeline Blvd Phase 2

Project: 14IFB00219

ITEM 3268 2008: D-GR HMA(QCQA) TY-B PG64-22 BONUS/PENALTY

PRODUCTION & PLACEMENT BONUS / PENALTY					
Lot #	Production Bonus	Placement Bonus	Production Penalty	Placement Penalty	Total Bonus or Penalty
1	\$877.12	\$0.00			\$877.12
2	\$1,664.39			-\$462.33	\$1,202.06
3	\$1,246.10	\$1,894.07			\$3,140.17
Totals	\$3,787.61	\$1,894.07	\$0.00	-\$462.33	\$5,219.35

TEXAS DEPARTMENT OF TRANSPORTATION

QC/QA PAY ADJUSTMENT

SAMPLE ID:	Lakeline Blvd Phase II	DATE LOT OPENED:	01-06-2015
LOT NUMBER:	1	LETTING DATE:	
SAMPLE STATUS:		CONTROLLING CSJ:	
COUNTY:	WILLIAMSON	SPEC YEAR:	2004
SAMPLED BY:	Juan Carlos Gutierrez #2255	SPEC ITEM:	
SAMPLE LOCATION:		SPECIAL PROVISION:	
MATERIAL CODE:	1.11610	MIX TYPE:	ITEM341_B_Fine_Base
MATERIAL NAME:	515-64B1010		
PRODUCER:	Industrial Asphalt - Florence		
AREA ENGINEER:		PROJECT MANAGER:	

COURSE/LIFT:	Non-Surface (<8 in)	STATION:		DIST. FROM CL:	
Total Quantity Actually Placed, Tons:		1,086.97		Bid Price / Tons:	\$75.00
Quantity Placed But No Air Void Testing Was Required, Tons:				First Lot?	Yes

LABORATORY MOLDED DENSITY

TxDOT Sublot:	1	2	3	4
Design Target Density:	97.0	97.0	97.0	97.0
Average Percent Density:	97.1	97.8	97.7	97.9
Absolute Deviation:	0.1	0.8	0.7	0.9
Auto 1.000 Pay Factor:				
Pay Factor:	1.050	1.013	1.019	1.006
Average Pay Factor:	1.022			
Production Pay Factor:	1.022			

IN PLACE AIR VOIDS

TxDOT Sublot:	1	2	3	4
Average Percent Air Voids:	3.0	2.7	4.4	3.8
Auto 1.000 Pay Factor:				
Pay Factor:	1.000	1.000	1.000	1.000
Average Pay Factor:	1.000			
Placement Pay Factor:	1.000			

PAYMENT FOR ITEM = P_i

P_i = Bid price x (Total quantity actually placed - Quantity left in place without payment)

P_i = Bid price x Quantity with payment

P_i = BP x Q_{PAY}

P_i = \$75.00 x 1,086.97

P_i = \$81,522.75

PAY ADJUSTEMENT FOR PRODUCTION = P_{PR}

P_{PR} = [(Payment for item x Production pay factor) - Payment for item] / 2

P_{PR} = $[(P_i \times PF_{PR}) - P_i] / 2$

P_{PR} = $[(\$81,522.75 \times 1.022) - \$81,522.75] / 2$

P_{PR} = \$896.75

PAY ADJUSTEMENT FOR PLACEMENT = P_{PL}

P_{PL} = $[(BP \times (Q_{PAY} - \text{Quantity without AV req}) \times \text{Placement pay factor}) - (BP \times (Q_{PAY} - \text{Quantity without AV req}))] / 2$

P_{PL} = $[(BP \times (Q_{PAY} - Q_{MIS}) \times PF_{PL}) - (BP \times (Q_{PAY} - Q_{MIS}))] / 2$

P_{PL} = $[(\$75.00 \times (1,086.97 - 0.00) \times 1.000) - (\$75.00 \times (1,086.97 - 0.00))] / 2$

P_{PL} = \$0.00

TOTAL PAY

Total Pay = Payment for item + Pay adjustment for production + Pay adjustment for placement

Total Pay = $P_i + P_{PR} + P_{PL}$

Total Pay = \$81,522.75 + \$896.75 + \$0.00

Total Pay = \$82,419.50

Signature of Contractor Representative

Signature of TX DOT Representative

QC/QA PAY ADJUSTMENT

Mix: Ty B

Lot: 1

Bid Price: \$ 75.00

Quantity Actually Placed: 1063.17 tons

Quantity Reported: 1086.97 tons

Difference: 23.80 tons

* A load of hot mix was rejected due to a temperature that was above the specified limits.

Pay Adjustment Factor for Production: 1.022

Pay Adjustment Factor for Placement: 1.00

PRODUCTION BONUS/PENALTY

1063.17 tons x \$75.00 x 1.000 = \$79,737.75

1063.17 tons x \$75.00 x 1.022 = \$81,491.98

Difference: = \$1754.23 /2
= \$877.12

PLACEMENT BONUS/PENALTY

No change.

TEXAS DEPARTMENT OF TRANSPORTATION

QC/QA PAY ADJUSTMENT

SAMPLE ID:	Lakeline Blvd Phase II	DATE LOT OPENED:	01-16-2015
LOT NUMBER:	2	LETTING DATE:	
SAMPLE STATUS:		CONTROLLING CSJ:	
COUNTY:	WILLIAMSON	SPEC YEAR:	2004
SAMPLED BY:	Juan Carlos Gutierrez #2255	SPEC ITEM:	
SAMPLE LOCATION:		SPECIAL PROVISION:	
MATERIAL CODE:	1.11610	MIX TYPE:	ITEM341_B_Fine_Base
MATERIAL NAME:	515-64B1010		
PRODUCER:	Industrial Asphalt - Florence		
AREA ENGINEER:		PROJECT MANAGER:	
COURSE/LIFT:	Non-Surface (<8)	STATION:	
		DIST. FROM CL:	
Total Quantity Actually Placed, Tons:		1,232.88	Bid Price / Tons: \$75.00
Quantity Placed But No Air Void Testing Was Required, Tons:			First Lot?

LABORATORY MOLDED DENSITY

TxDOT Sublot:	1	2	3	4
Design Target Density:	97.0	97.0	97.0	97.0
Average Percent Density:	96.4	97.7	96.9	97.2
Absolute Deviation:	0.6	0.7	0.1	0.2
Auto 1.000 Pay Factor:				
Pay Factor:	1.025	1.019	1.050	1.050
Average Pay Factor:	1.036			
Production Pay Factor:	1.036			

IN PLACE AIR VOIDS

TxDOT Sublot:	1	2	3	4
Average Percent Air Voids:	4.7	4.2	4.6	4.9
Auto 1.000 Pay Factor:				
Pay Factor:	1.005	0.930	0.990	1.035
Average Pay Factor:	0.990			
Placement Pay Factor:	0.990			

PAYMENT FOR ITEM = P_i

$$P_i = \text{Bid price} \times (\text{Total quantity actually placed} - \text{Quantity left in place without payment})$$

$$P_i = \text{Bid price} \times \text{Quantity with payment}$$

$$P_i = BP \times Q_{PAY}$$

$$P_i = \$75.00 \times 1,232.88$$

$$P_i = \$92,466.00$$

PAY ADJUSTEMENT FOR PRODUCTION = P_{PR}

$$P_{PR} = [(\text{Payment for item} \times \text{Production pay factor}) - \text{Payment for item}] / 2$$

$$P_{PR} = [(P_i \times PF_{PR}) - P_i] / 2$$

$$P_{PR} = [(\$92,466.00 \times 1.036) - \$92,466.00] / 2$$

$$P_{PR} = \$1,664.39$$

PAY ADJUSTEMENT FOR PLACEMENT = P_{PL}

$$P_{PL} = [(BP \times (Q_{PAY} - \text{Quantity without AV req}) \times \text{Placement pay factor}) - (BP \times (Q_{PAY} - \text{Quantity without AV req}))] / 2$$

$$P_{PL} = [(BP \times (Q_{PAY} - Q_{MIS}) \times PF_{PL}) - (BP \times (Q_{PAY} - Q_{MIS}))] / 2$$

$$P_{PL} = [(\$75.00 \times (1,232.88 - 0.00) \times 0.990) - (\$75.00 \times (1,232.88 - 0.00))] / 2$$

$$P_{PL} = (\$462.33)$$

TOTAL PAY

$$\text{Total Pay} = \text{Payment for item} + \text{Pay adjustment for production} + \text{Pay adjustment for placement}$$

$$\text{Total Pay} = P_i + P_{PR} + P_{PL}$$

$$\text{Total Pay} = \$92,466.00 + \$1,664.39 + (\$462.33)$$

$$\text{Total Pay} = \$93,668.06$$

Signature of Contractor Representative

Signature of TX DOT Representative

TEXAS DEPARTMENT OF TRANSPORTATION

QC/QA PAY ADJUSTMENT

SAMPLE ID:	Lakeline Blvd Phase II	DATE LOT OPENED:	01-17-2015
LOT NUMBER:	3	LETTING DATE:	
SAMPLE STATUS:		CONTROLLING CSJ:	
COUNTY:	WILLIAMSON	SPEC YEAR:	2004
SAMPLED BY:	Juan Carlos Gutierrez #2255	SPEC ITEM:	
SAMPLE LOCATION:		SPECIAL PROVISION:	
MATERIAL CODE:	1.11610	MIX TYPE:	ITEM341_B_Fine_Base
MATERIAL NAME:	515-64B1010		
PRODUCER:	Industrial Asphalt - Florence		
AREA ENGINEER:		PROJECT MANAGER:	

COURSE/LIFT:	Non-Surface (<8 in)	STATION:		DIST. FROM CL:	
Total Quantity Actually Placed, Tons:		1,329.17	Bid Price / Tons:		\$75.00
Quantity Placed But No Air Void Testing Was Required, Tons:			First Lot?		

LABORATORY MOLDED DENSITY

TxDOT Sublot:	1	2	3	4
Design Target Density:	97.0	97.0	97.0	97.0
Average Percent Density:	96.5	96.0	96.3	97.2
Absolute Deviation:	0.5	1.0	0.7	0.2
Auto 1.000 Pay Factor:				
Pay Factor:	1.031	1.000	1.019	1.050
Average Pay Factor:	1.025			
Production Pay Factor:	1.025			

IN PLACE AIR VOIDS

TxDOT Sublot:	1	2	3	4
Average Percent Air Voids:	5.7	6.8	6.8	6.9
Auto 1.000 Pay Factor:				
Pay Factor:	1.050	1.034	1.034	1.032
Average Pay Factor:	1.038			
Placement Pay Factor:	1.038			

PAYMENT FOR ITEM = P_i

P_i = Bid price x (Total quantity actually placed - Quantity left in place without payment)

P_i = Bid price x Quantity with payment

P_i = BP x Q_{PAY}

P_i = \$75.00 x 1,329.17

P_i = \$99,687.75

PAY ADJUSTMENT FOR PRODUCTION = P_{PR}

P_{PR} = [(Payment for item x Production pay factor) - Payment for item] / 2

P_{PR} = [(P_i x PF_{PR}) - P_i] / 2

P_{PR} = [(\$99,687.75 x 1.025) - \$99,687.75] / 2

P_{PR} = \$1,246.10

PAY ADJUSTMENT FOR PLACEMENT = P_{PL}

P_{PL} = [(BP x (Q_{PAY} - Quantity without AV req) x Placement pay factor) - (BP x (Q_{PAY} - Quantity without AV req))]/2

P_{PL} = [(BP x (Q_{PAY} - Q_{MIS}) x PF_{PL}) - (BP x (Q_{PAY} - Q_{MIS}))]/2

P_{PL} = [(\$75.00 x (1,329.17 - 0.00) x 1.038) - (\$75.00 x (1,329.17 - 0.00))]/2

P_{PL} = \$1,894.07

TOTAL PAY

Total Pay = Payment for item + Pay adjustment for production + Pay adjustment for placement

Total Pay = P_i + P_{PR} + P_{PL}

Total Pay = \$99,687.75 + \$1,246.10 + \$1,894.07

Total Pay = \$102,827.92

Signature of Contractor Representative

Signature of TX DOT Representative

Lakeline Blvd Phase 2

Project: 14IFB00219

**ITEM 3268-2027: D-GR HMA(QCQA) TY-C SAC B PG70-22
BONUS/PENALTY**

PRODUCTION & PLACEMENT BONUS / PENALTY					
Lot #	Production Bonus	Placement Bonus	Production Penalty	Placement Penalty	Total Bonus or Penalty
1	\$2,608.20	\$1,871.10			\$4,479.30
2					\$0.00
3					\$0.00
					\$0.00
Totals	\$2,608.20	\$1,871.10	\$0.00	\$0.00	\$4,479.30

TEXAS DEPARTMENT OF TRANSPORTATION

QC/QA PAY ADJUSTMENT

SAMPLE ID:	Lakeline Blvd	DATE LOT OPENED:	04-01-2015
LOT NUMBER:	01	LETTING DATE:	
SAMPLE STATUS:		CONTROLLING CSJ:	
COUNTY:	Williamson	SPEC YEAR:	2004
SAMPLED BY:	Ana Cervantes	SPEC ITEM:	3228
SAMPLE LOCATION:	Plant to Truck	SPECIAL PROVISION:	
MATERIAL CODE:	1.1078	MIX TYPE:	SS3224_C_Coarse_Surface
MATERIAL NAME:	64NC1020-2		
PRODUCER:	Industrial Asphalt and Aggregates - Florence Plant		
AREA ENGINEER:		PROJECT MANAGER:	

COURSE/LIFT:	Surface	STATION:		DIST. FROM CL:	
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Lot Opened:	4/1/2015	Total Quantity Actually Placed, Tons:	1,400.00	Bid Price / Tons:	\$81.00
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Quantity Placed But No Air Void Testing Was Required, Tons:		First Lot?	Yes
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LABORATORY MOLDED DENSITY

TxDOT Sublot:	1	2	3	4
Design Target Density:	97.0	97.0	97.0	97.0
Average Percent Density:	96.7	97.1	96.6	96.8
Absolute Deviation:	0.3	0.1	0.4	0.2
Auto 1.000 Pay Factor:				
Pay Factor:	1.044	1.050	1.038	1.050
Average Pay Factor:	1.046			
Production Pay Factor:	1.046			

IN PLACE AIR VOIDS

TxDOT Sublot:	1	2	3	4
Average Percent Air Voids:	7.0	7.5	6.9	6.1
Auto 1.000 Pay Factor:				
Pay Factor:	1.030	1.020	1.032	1.048
Average Pay Factor:	1.033			
Placement Pay Factor:	1.033			

PAYMENT FOR ITEM = P_i

P_i = Bid price x (Total quantity actually placed - Quantity left in place without payment)

P_i = Bid price x Quantity with payment

P_i = BP x Q_{PAY}

P_i = \$81.00 x 1,400.00

P_i = \$113,400.00

PAY ADJUSTMENT FOR PRODUCTION = P_{PR}

P_{PR} = [(Payment for item x Production pay factor) - Payment for item] / 2

P_{PR} = [$(P_i \times PF_{PR}) - P_i$] / 2

P_{PR} = [(\$113,400.00 x 1.046) - \$113,400.00] / 2

P_{PR} = \$2,608.20

PAY ADJUSTMENT FOR PLACEMENT = P_{PL}

P_{PL} = [(BP x (Q_{PAY} - Quantity without AV req) x Placement pay factor) - (BP x (Q_{PAY} - Quantity without AV req))]/2

P_{PL} = [(BP x ($Q_{PAY} - Q_{MIS}$) x PF_{PL}) - (BP x ($Q_{PAY} - Q_{MIS}$))]/2

P_{PL} = [(\$81.00 x (1,400.00 - 0.00) x 1.033) - (\$81.00 x (1,400.00 - 0.00))]/2

P_{PL} = \$1,871.10

TOTAL PAY

Total Pay = Payment for item + Pay adjustment for production + Pay adjustment for placement

Total Pay = $P_i + P_{PR} + P_{PL}$

Total Pay = \$113,400.00 + \$2,608.20 + \$1,871.10

Total Pay = \$117,879.30

Signature of Contractor Representative

Signature of TX DOT Representative

PROJECT: LAKELINE BLVD EXTENSION PH 2
 GENERAL CONTRACTOR : DNT CONSTRUCTION
 ENGINEER: HNTB
 DATE: 5/14/15

Change Order Proposal #6

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	74	EA	Object Markers	\$36.05	\$2,667.70
2	1	EA	96" x 36" W1-7T Two Way Arrow Sign	\$1,380.00	\$1,380.00
3	2	EA	N Lakeline Signs	\$920.00	\$1,840.00
4	1	EA	R3-8 Signs (Lane Designation Arrow Sign)	\$865.00	\$865.00
5	1	EA	W1-2R with W13-1P Sign	\$865.00	\$865.00
6	12	EA	Additional Signs	\$425.00	\$5,100.00
			TOTAL		\$12,717.70

EXIST ITEM
 } LUMP SUM
 EXIST ITEM

Total Change Proposal \$12,717.70

Note: Layout by HNTB

ITEM 9999-010 ADDITIONAL SIGNS LUMP SUM

\$ 1380.00
 1840.00
 865.00
 865.00

 \$ 4950.00



1.5" Radius, 1.0" Border, White on Green;
FONT: ClearviewHwy-3-W

Panel Style: Street name 8-6in.ssi
M.U.T.C.D.: 2009 Edition



51-3-5

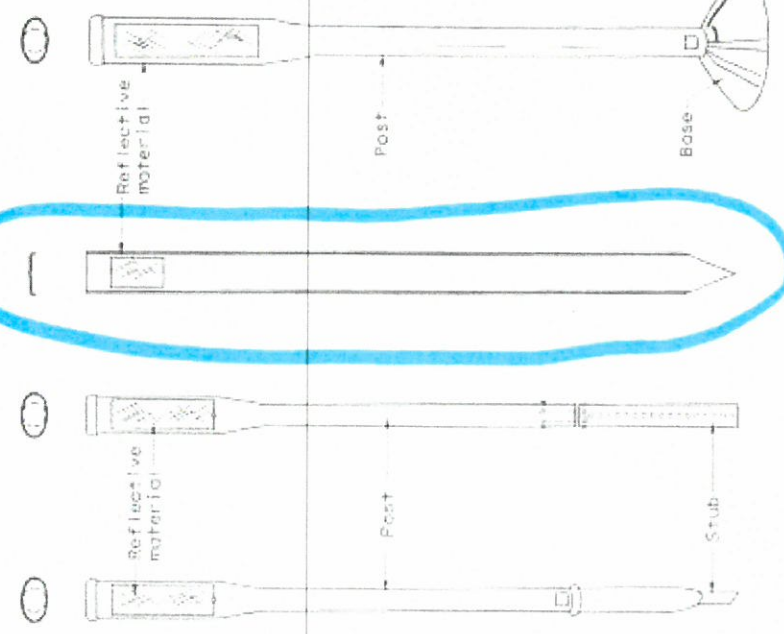
[illegible]

TYPE 3

DELINEATORS

2. Yellow, white and Red Conformable Reflective Sheeting as per DMS 8300.

BARRIER REFL

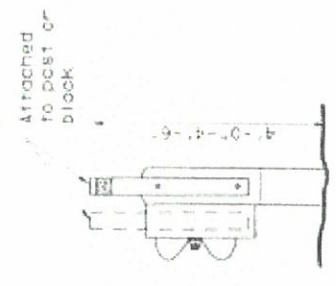
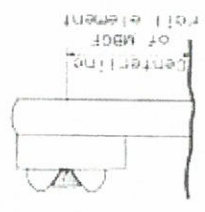
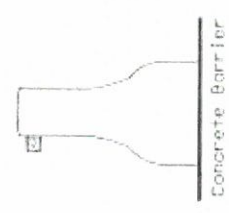


EMBEDDED (D-SW) S21 (FIX) GARD

658-2729

- NOTES
1. See Material Producer List for approved devices.
 2. Install to manufacturer's recommendations.

FLEXIBLE POSTS



GENERAL NOTES

1. Place delineator the same distance
2. Where a restrict placement from affected object innermost edge of
3. When object mark from the edge of possible to main If this is the as close to the
4. Install all delineator reflective manufacturer's

DEPARTMENTAL

FLEXIBLE DELINEATOR POSTS EMBEDDED & S

SIGN FACE MATERIALS

DELINEATORS AND OBJ



DEL
OBJE
INSTA
MATERIA

BARRIER REFLECTORS

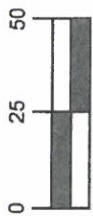
20-03 August 2011
REVISED

10-03
11-03

DN

lbs/ft

2'-0" Usual



SCALE: 1" = 50'



NOTES:
1. THE LOCATION AND ORIENTATION OF THE PROPOSED SIGNS, PAVEMENT MARKINGS, AND DELINEATORS SHALL BE IN ACCORDANCE WITH THE STANDARD DETAILS INCLUDED HEREIN AND THE TEXAS MUTCD.



WILLIAMSON COUNTY
1848

NO.	DATE	REVISIONS	RECOMD
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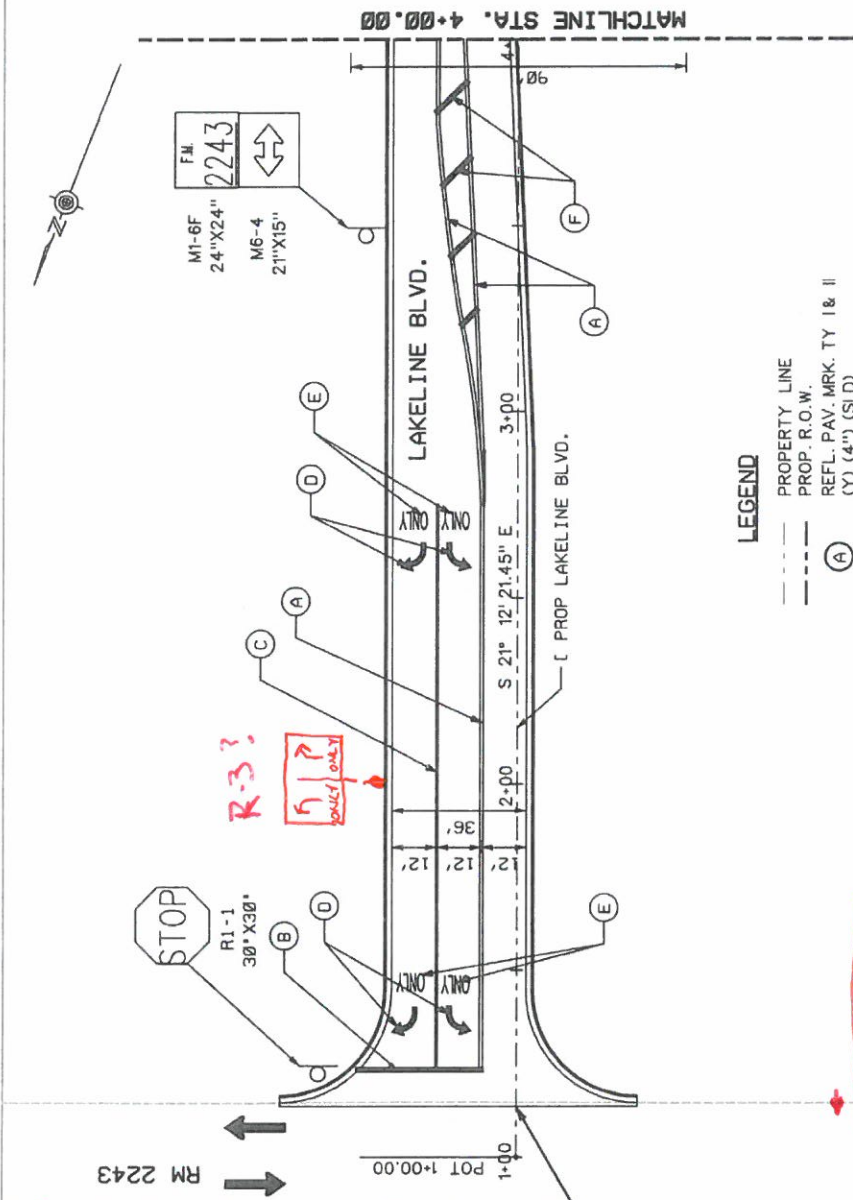
PROJECT

LAKELINE BLVD.

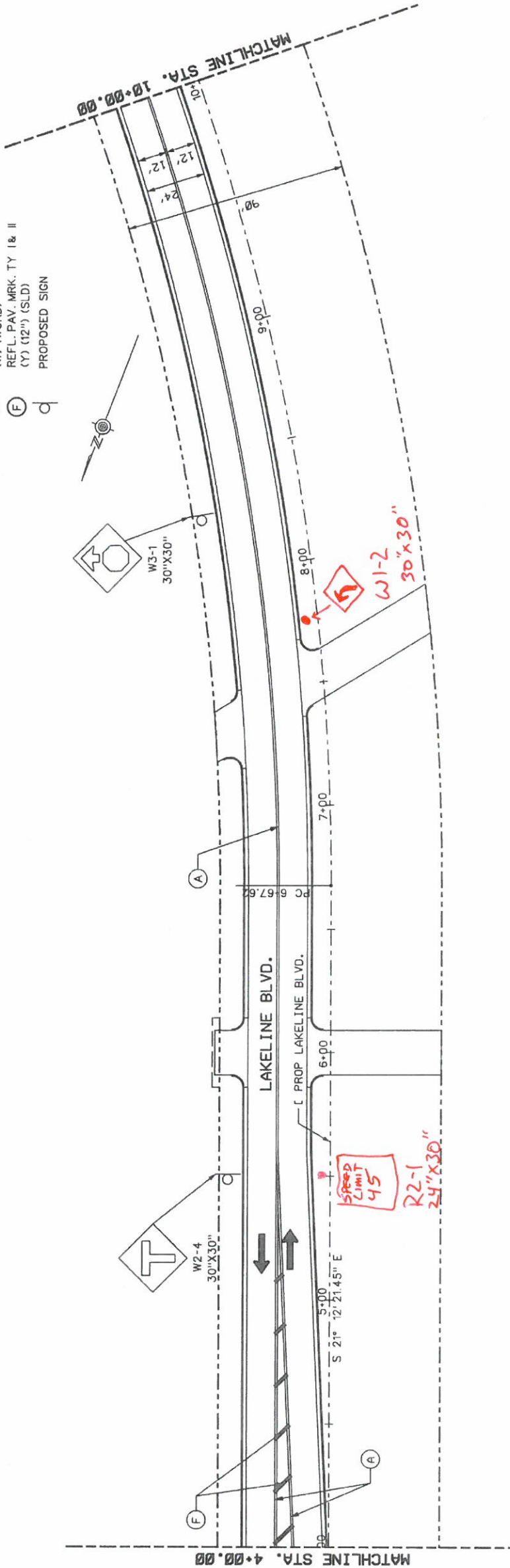
SHEET 1 OF 6

SIGNING AND
PAVEMENT MARKING PLAN
STA. 1+00 - STA. 10+00

PROJECT NUMBER	DATE
12/6/2013	
DRAWN DESIGNED APPROVED	SHEET NO.
	122 A



LEGEND	
---	PROPERTY LINE
---	PROP. R.O.W.
(A)	REFL. PAV. MRK. TY I & II (Y) (4") (SLD)
(B)	REFL. PAV. MRK. TY I & II (W) (24") (SLD)
(C)	REFL. PAV. MRK. TY I & II (W) (8") (SLD)
(D)	REFL. PAV. MRK. TY I & II (W) (ARROW)
(E)	REFL. PAV. MRK. TY I & II (W) (WORD)
(F)	REFL. PAV. MRK. TY I & II (Y) (12") (SLD)
d	PROPOSED SIGN

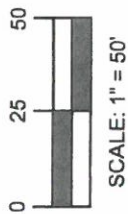


N. LAKELINE BLVD

96" x 36" W1-7 T

★ OBJECT MARKERS & CURB CUTS

BEGIN PROJECT
STA. 1+13.50
N 10180788.64
E 3064676.29



NOTES:
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WILLIAMSON COUNTY
1848

NO.	DATE	REVISIONS	RECOMD

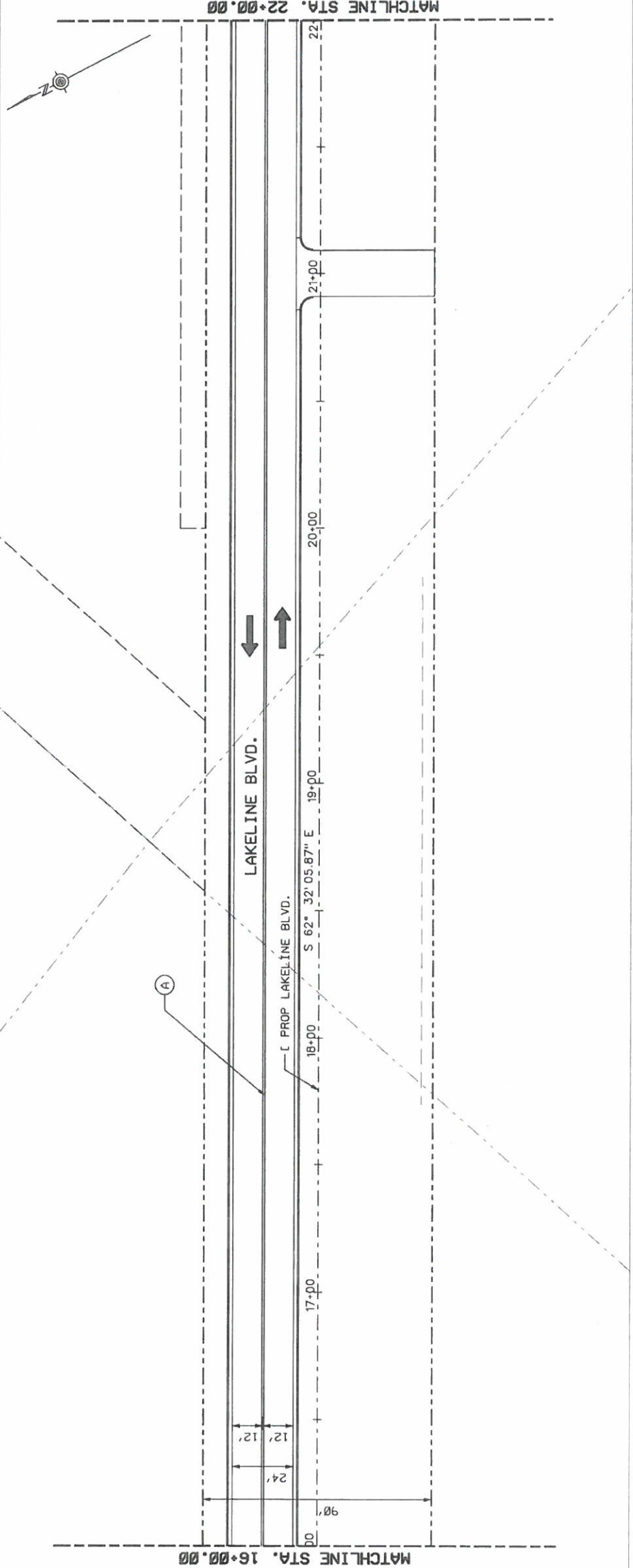
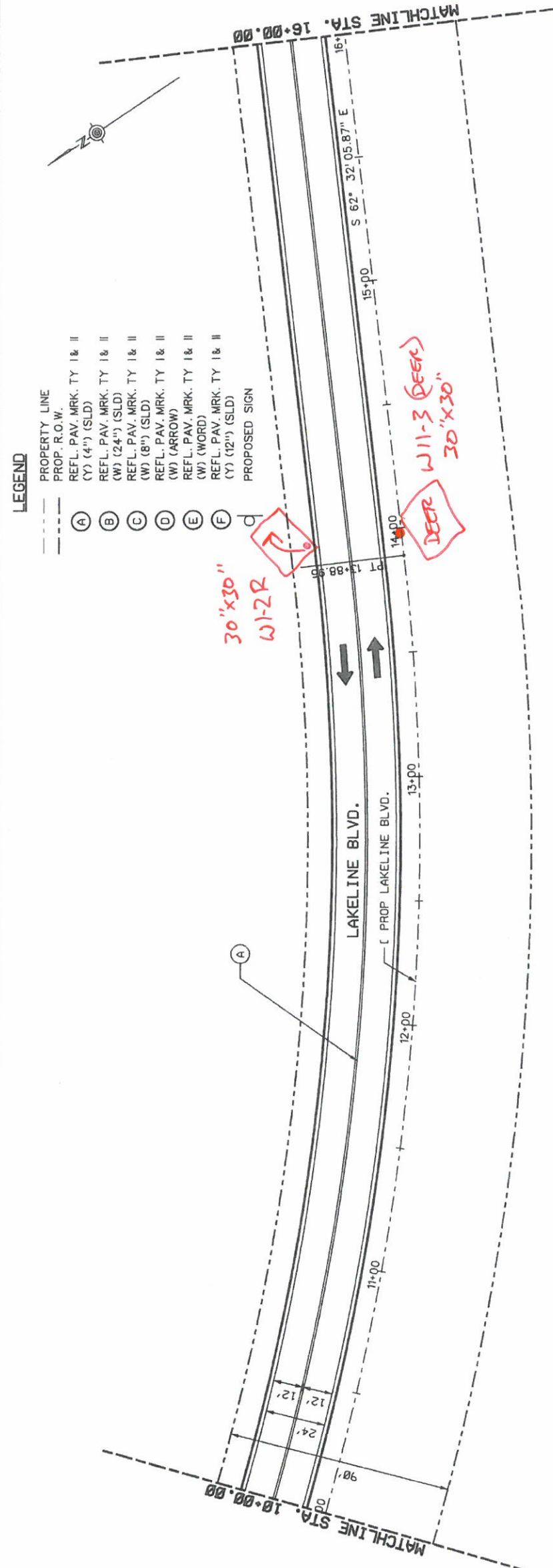
PROJECT

LAKELINE BLVD.

SHEET 2 OF 6

SIGNING AND PAVEMENT MARKING PLAN
STA. 10+00 - STA. 22+00

PROJECT NUMBER	DATE
	12/6/2013
DRAWN DESIGNED APPROVED	SHEET NO.
	123 A

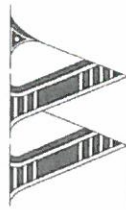




SCALE: 1" = 50'



NOTES:
1. THE LOCATION AND ORIENTATION OF THE PROPOSED SIGNS, PAVEMENT MARKINGS, AND DELINEATORS SHALL BE IN ACCORDANCE WITH THE STANDARD DETAILS INCLUDED HEREIN AND THE TEXAS MUTCD.



WILLIAMSON
COUNTY

NO.	DATE	REVISIONS	RECOM'D
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PROJECT

LAKELINE BLVD.

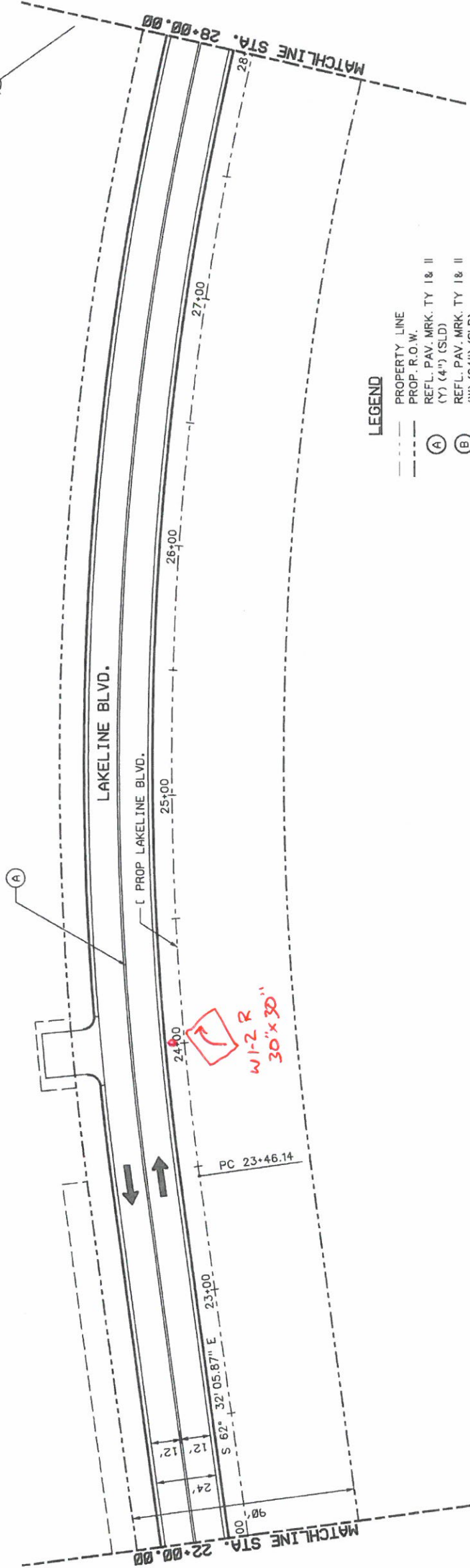
SHEET 3 OF 6

SIGNING AND
PAVEMENT MARKING PLAN
STA. 22+00 - STA. 34+00

PROJECT NUMBER	DATE
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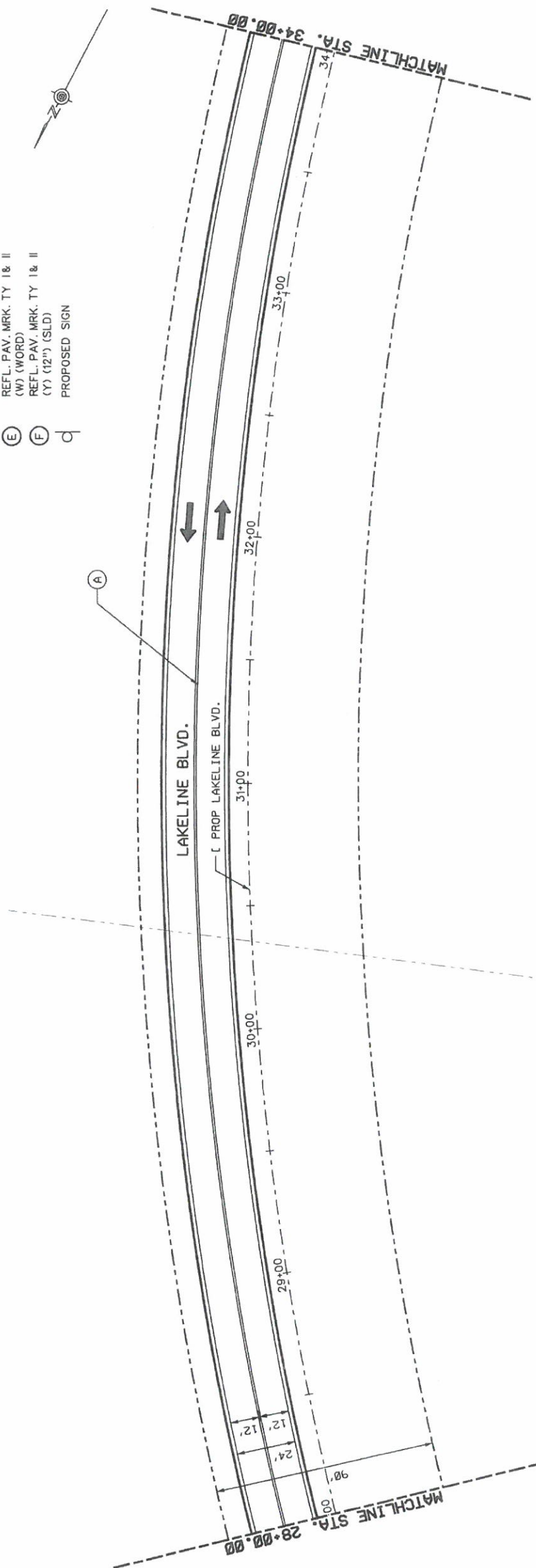
12/6/2013DRAWN DESIGNED APPROVED SHEET NO.

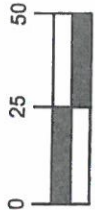
124 A



LEGEND

- | PROPERTY LINE
PROP. R.O.W. | |
|-------------------------------|---|
| (A) | REFL. PAV. MKR. TY 1 & 11
(Y) (4'") (SLD) |
| (B) | REFL. PAV. MKR. TY 1 & 11
(W) (24'") (SLD) |
| (C) | REFL. PAV. MKR. TY 1 & 11
(W) (8'") (SLD) |
| (D) | REFL. PAV. MKR. TY 1 & 11
(W) (ARROW) |
| (E) | REFL. PAV. MKR. TY 1 & 11
(W) (WORD) |
| (F) | REFL. PAV. MKR. TY 1 & 11
(Y) (12'") (SLD) |
| (G) | PROPOSED SIGN |





NOTES:
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WILLIAMSON COUNTY
1848

NO.	DATE	REVISIONS	RECOMD

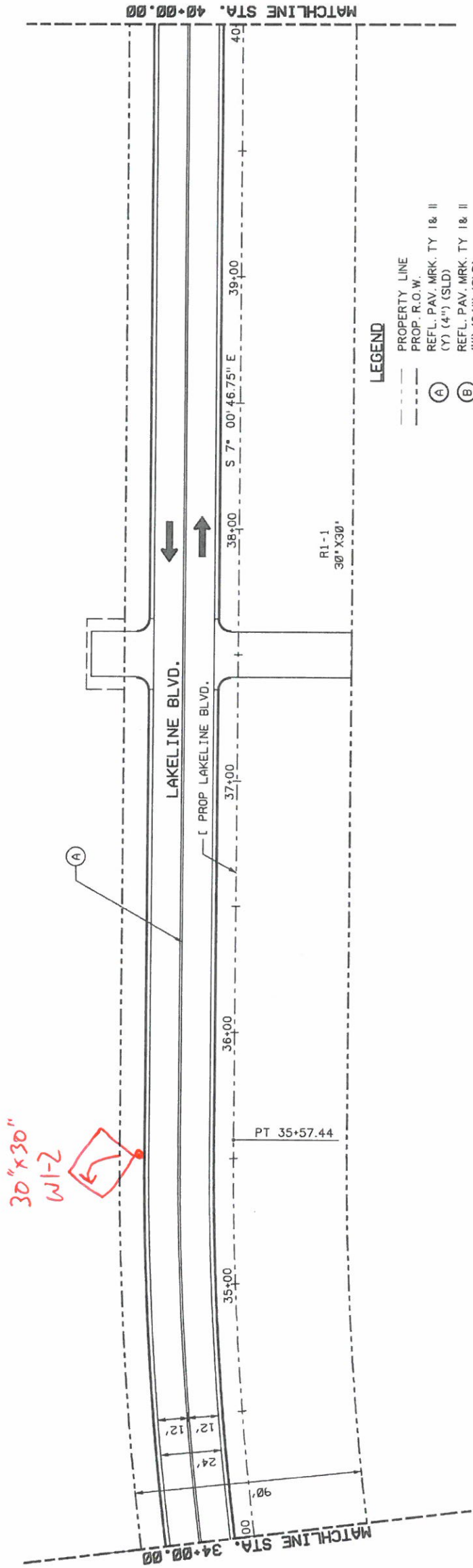
PROJECT

LAKELINE BLVD.

SHEET 4 OF 6

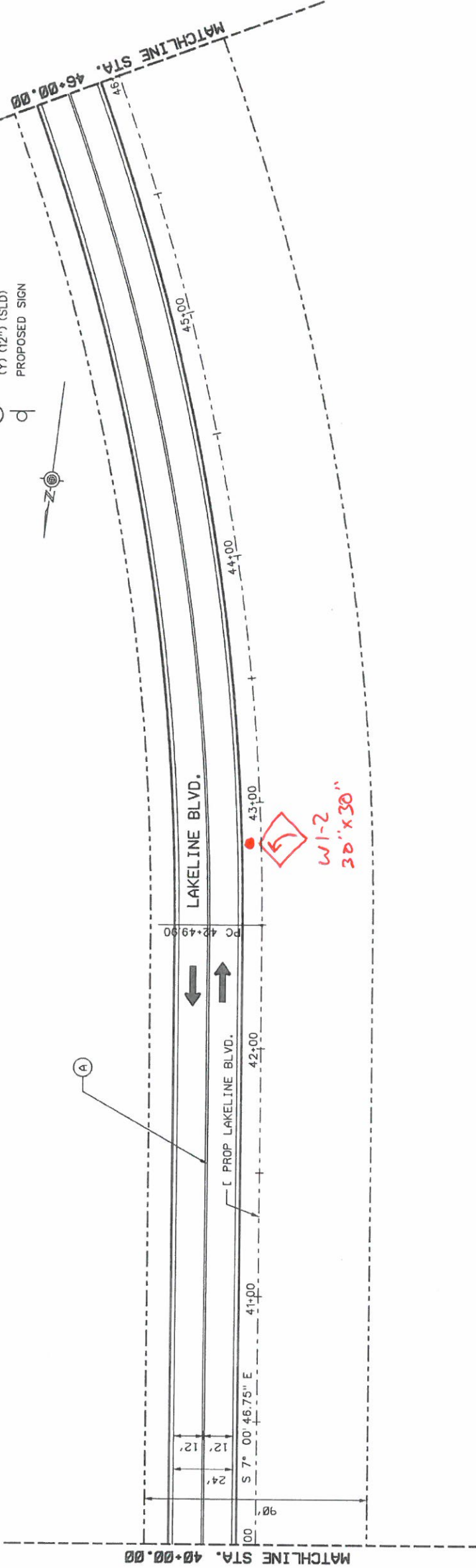
SIGNING AND
PAVEMENT MARKING PLAN
STA. 34+00 - STA. 46+00

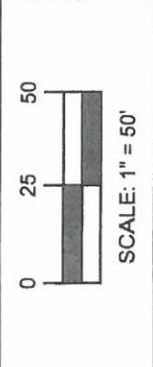
PROJECT NUMBER	DATE
	12/6/2013
DRAWN DESIGNED APPROVED	SHEET NO.
	125 A



LEGEND

- PROPERTY LINE
- PROP. R.O.W.
- (A) REF. PAV. MRK. TY I & II (Y) (4") (SLD)
- (B) REF. PAV. MRK. TY I & II (W) (24") (SLD)
- (C) REF. PAV. MRK. TY I & II (W) (8") (SLD)
- (D) REF. PAV. MRK. TY I & II (W) (ARROW)
- (E) REF. PAV. MRK. TY I & II (W) (WORD)
- (F) REF. PAV. MRK. TY I & II (Y) (12") (SLD)
- (d) PROPOSED SIGN





NOTES:
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WILLIAMSON COUNTY
1848

NO.	DATE	REVISIONS	RECOMD

PROJECT

LAKELINE BLVD.

SHEET 5 OF 6

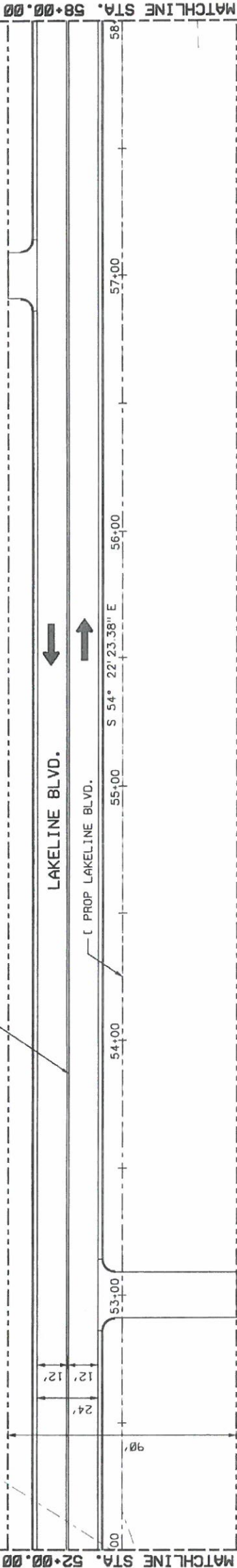
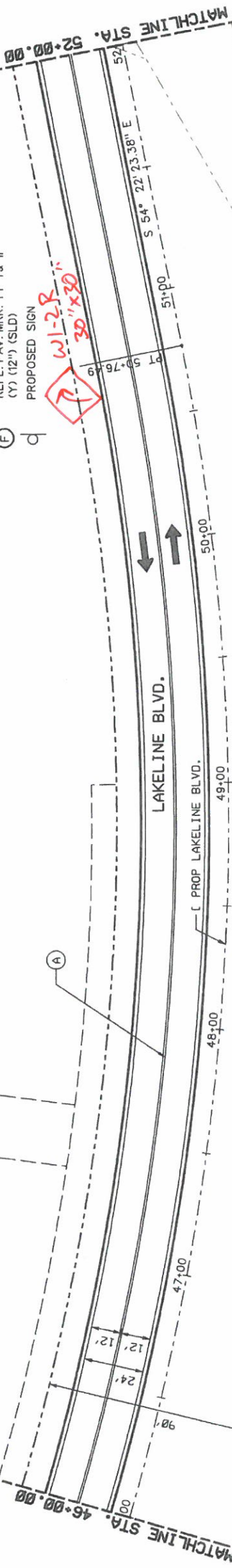
SIGNING AND
PAVEMENT MARKING PLAN
STA. 46+00 - STA. 58+00

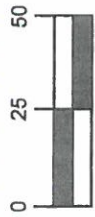
PROJECT NUMBER	DATE
	12/6/2013
DRAWN/DESIGNED/APPROVED	SHEET NO.
	126 A

LEGEND

- PROPERTY LINE
- PROP. R.O.W.
- REFL. PAV. MRK. TY I & II (Y) (4") (SLD)
- REFL. PAV. MRK. TY I & II (W) (24") (SLD)
- REFL. PAV. MRK. TY I & II (W) (8") (SLD)
- REFL. PAV. MRK. TY I & II (W) (ARROW)
- REFL. PAV. MRK. TY I & II (W) (WORD)
- REFL. PAV. MRK. TY I & II (Y) (12") (SLD)
- PROPOSED SIGN

W1-28
30" x 30"





NOTES:
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WILLIAMSON COUNTY
1848

NO.	DATE	REVISIONS	RECOMD

PROJECT

LAKELINE BLVD.

SHEET 6 OF 6

SIGNING AND
PAVEMENT MARKING PLAN
STA. 58+00 - STA. 70+00

PROJECT NUMBER	DATE
DRAWN DESIGNED / APPROVED	SHEET NO.
	127 A

LEGEND

- PROPERTY LINE
- PROP. R.O.W.
- REFL. PAV. MK. TY I & II (Y) (4") (SLD)
- REFL. PAV. MK. TY I & II (W) (24") (SLD)
- REFL. PAV. MK. TY I & II (W) (8") (SLD)
- REFL. PAV. MK. TY I & II (W) (ARROW)
- REFL. PAV. MK. TY I & II (W) (WORD)
- REFL. PAV. MK. TY I & II (Y) (12") (SLD)
- PROPOSED SIGN

- (A)
- (B)
- (C)
- (D)
- (E)
- (F)
- d

