

**FINAL PLANS**

NAME OF CONTRACTOR: \_\_\_\_\_  
DATE OF LETTING: \_\_\_\_\_  
DATE WORK BEGAN: \_\_\_\_\_  
DATE WORK COMPLETED: \_\_\_\_\_  
DATE WORK ACCEPTED: \_\_\_\_\_  
SUMMARY OF CHANGE ORDERS: \_\_\_\_\_

STATE OF TEXAS  
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
STATE HIGHWAY IMPROVEMENT

STATE PROJECT  
CSJ: 2679-02-008

**FM 2514 (PARKER ROAD)**  
COLLIN COUNTY

FED. RD. DIV. NO.	STATE PROJECT NO.		HIGHWAY NO.
6	STP ( )		FM 2514
STATE	DISTRICT	COUNTY	SHEET NO.
TEXAS	DALLAS	COLLIN	1
CONTROL	SECTION	JOB	
2679	02	008	

DESIGN SPEED  
FM 2514 45 MPH

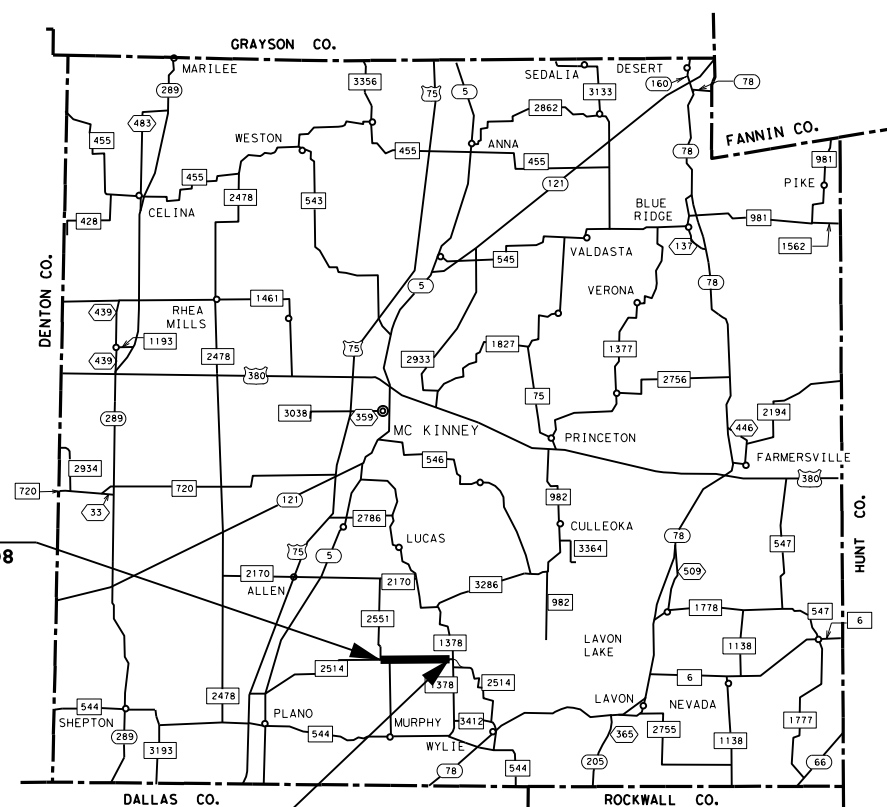
2014 ADT = 14,400  
2034 ADT = 20,800

NOTE:  
SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION,  
NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS  
FOLLOWS, SHALL GOVERN ON THIS PROJECT:  
REQUIRED SPECIAL LABOR PROVISIONS FOR ALL STATE CONSTRUCTION  
PROJECTS (SP000---008)

LIMITS: FROM FM 2551  
TO WEST OF FM 1378

TOTAL LENGTH OF PROJECT =  
ROADWAY = 12,349.4 FT. = 2.339 MI.  
BRIDGE = 200.6 FT. = 0.038 MI.  
TOTAL = 12,550.0 FT. = 2.377 MI.

TYPE OF WORK: FOR THE CONSTRUCTION OF RECONSTRUCTING 2 LANE RURAL TO 4 LANE URBAN DIVIDED HIGHWAY (ULTIMATE 6 LANE)  
CONSISTING OF: GRADING, PAVEMENT, STRUCTURES, SIGNALS, SIGNS, & PAVEMENT MARKINGS

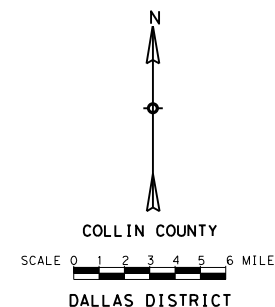


BEGIN PROJECT  
BEG CSJ 2679-02-008  
STA 365+00  
TRM 594+2.372

END PROJECT  
END CSJ 2679-02-008  
STA 490+50  
TRM 598+0.595

EQUATIONS : NONE  
EXCEPTIONS : NONE  
RAILROAD CROSSINGS : NONE

REGISTERED ACCESSIBILITY SPECIALIST (RAS) INSEPTION REQUIRED  
TDLR NO. EABPRJ:



**PRELIMINARY 95%**

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**TEXAS DEPARTMENT OF TRANSPORTATION**

SUBMITTED FOR LETTING	20	APPROVED FOR LETTING	20
_____, P.E. DESIGN ENGINEER		_____, P.E. DIRECTOR OF TRANSPORTATION PLANNING & DEVELOPMENT	
RECOMMENDED FOR LETTING:	20	APPROVED FOR LETTING	20
_____, P.E. AREA ENGINEER		_____, P.E. DISTRICT ENGINEER	

WORK WAS COMPLETED ACCORDING  
TO THE PLANS AND CONTRACT.

Signature of Registrant & Date

DATE:3/17/2017 TIME:10:46:16 AM  
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SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	
<b>I. GENERAL</b>		<b>RETAINING WALL DETAILS STANDARDS</b>			<b>VII. TRAFFIC SIGNAL</b>	
1	TITLE SHEET	191	RW (EM)	358-360	TEMPORARY TRAFFIC SIGNAL LAYOUT	
2	INDEX OF SHEETS	192-193	RW (MSE)	361-365	PERMANENT TRAFFIC SIGNAL LAYOUT	
3	PROJECT LAYOUT	194	RW (MSE) DD	366	SUMMARY OF SMALL SIGNS FOR TRAFFIC SIGNALS	
4-6	TYPICAL SECTIONS	<b>V. DRAINAGE DETAILS</b>			<b>TRAFFIC SIGNAL STANDARDS</b>	
7	GENERAL NOTES	195	OFF-SITE DRAINAGE AREA MAP	367-369	CONSTRUCTION DETAILS FOR SPAN WIRE MOUNTED TRAFFIC SIGNALS (DAL)	
8	ESTIMATE & QUANTITY	196-208	CULVERT HYDRAULIC DATA	370	TRAFFIC SIGNAL HEAD AND RADAR INSTALLATION (DAL)	
9	SUMMARY OF TCP QUANTITIES	209-210	STRUCTURE NO. 1	371	PEDESTRIAN SIGNAL HEAD IDENTIFICATION (DAL)	
10	SUMMARY OF REMOVAL ITEMS	211-212	STRUCTURE NO. 1A	372-373	SMA 80(1)-12(DAL), SMA 80(2)-12(DAL)	
11	SUMMARY OF ROADWAY ITEMS	213-214	STRUCTURE NO. 2	374	MA-C-12	
12	SUMMARY OF EARTHWORK	215	STRUCTURE NO. 2C	375	MA-D-12 (DAL)	
13-14	SUMMARY OF DRIVEWAY ITEMS	216-227	STORM SEWER DRAINAGE AREA MAP	376	MA-DPD-12	
15-16	SUMMARY OF DRAINAGE ITEMS	228-230	RUNOFF COMPUTATIONS	377	LUM-A-12	
17	SUMMARY OF PAVEMENT MARKING & SIGN ITEMS	231-234	INLET COMPUTATIONS	378	TS-FD-12 (DAL)	
18-19	SUMMARY OF SMALL SIGNS	235-238	STORM SEWER COMPUTATIONS	379	TS-CF-04	
20	TRAFFIC SIGNAL PROJECT SUMMARY	239-250	EB PLAN AND PROFILE DRAINAGE	380	INSTALLATION OF BBU/EVP (SIDE MOUNT) (DAL)	
21	SUMMARY OF SW3P ITEMS	251-262	WB PLAN AND PROFILE DRAINAGE	381-385	ED(1)-14 THRU ED(5)-14	
		263	MISCELLANEOUS DETAILS	386	ED(8)-14	
				387	ED(9)-14	
				388	RID(LUM1)-07	
				389	RID(LUM2)-07	
<b>II. TRAFFIC CONTROL PLAN</b>		<b>DRAINAGE DETAILS STANDARDS</b>			<b>VIII. SIGNING &amp; PAVEMENT MARKINGS</b>	
22	TRAFFIC CONTROL PLAN NARRATIVE	264	BCS	390-396	SIGNING AND PAVEMENT MARKINGS	
23-24	TCP AT THE FM 2551 INTERSECTION	265	PB	397	GUIDE SIGN DETAILS	
25	TCP MISCELLANEOUS DETAILS	266	PDD	<b>SIGNING, PAVEMENT MARKINGS &amp; DELINEATION STANDARDS</b>		
26-27	STRUCT NO. 1 INSTALLATION AND DETOUR	267-268	PCO	398	SMD(GEN)-08	
28-62	TRAFFIC CONTROL PLAN - PHASE 1	269	CGT-PCO	399	SMD(SLIP-1)-08 (DAL)	
63-79	TRAFFIC CONTROL PLAN - PHASE 2	270-271	PSL	400	SMD(SLIP-2)-08	
80-92	TRAFFIC CONTROL PLAN - PHASE 3	272	PJB	401-403	PM (1)-12 THRU PM(3)-12	
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		275-276	SCC-5 & 6	407-408	D&OM(1)-15 AND D&OM(2)-15	
		277	SCC-MD	409	D&OM(3)-15B	
		278	SCP-4	410	D&OM(VIA)-15	
<b>TRAFFIC CONTROL PLAN STANDARDS</b>		279	SCP-5	<b>IX. ENVIRONMENTAL ISSUES</b>		
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112	TCP (3-3)-14	283	SCP-MD	437-442	SOD LAYOUT	
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122	WZ(RCD)-13	293	PW-MSE (DAL)	450	VEGETATION ESTABLISHMENT SHEET (DAL)	
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134-135	HORIZONTAL ALIGNMENT DATA	309	BRIDGE ESTIMATED QUANTITIES			
136-141	REMOVAL PLAN	310	MUDDY CREEK BRIDGE LAYOUT			
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154	DRIVEWAY DETAILS	313	CORE BORING LOGS			
155	CURB DETAILS	314-316	ABUTMENT DETAILS			
156-157	SIDEWALK DETAILS	317-319	BENT DETAILS			
158	MISCELLANEOUS DETAILS	320	FRAMING PLAN			
159	TEMPORARY SPECIAL SHORING	321-324	SLAB DETAILS			
		<b>BRIDGE STANDARDS</b>				
160-161	CRCP(1)-13	325	IGND			
162	JS-14	326	BAS-C (DAL)			
163	GF(31)-14	327-328	FD			
164	GF(31)MS-11	329-330	IGD			
165	GF(31)TR-14	331-333	IGEB			
166	BED-14	334-335	IGFRP			
167	SGT(8)31-14	336-337	IGMS			
168	SGT(8S)31-14	338	IGTS			
169	SGT(9S)31-14	339-340	BRSM			
170	SGT(10S)31-16	341	BS-EJCP			
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		351-352	SEJ-A			
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<b>III. ROADWAY DETAILS</b>						
185	HORIZONTAL ALIGNMENT DATA					
186-188	RETAINING WALL A					
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<b>IV. RETAINING WALL DETAILS</b>						

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FM 2514

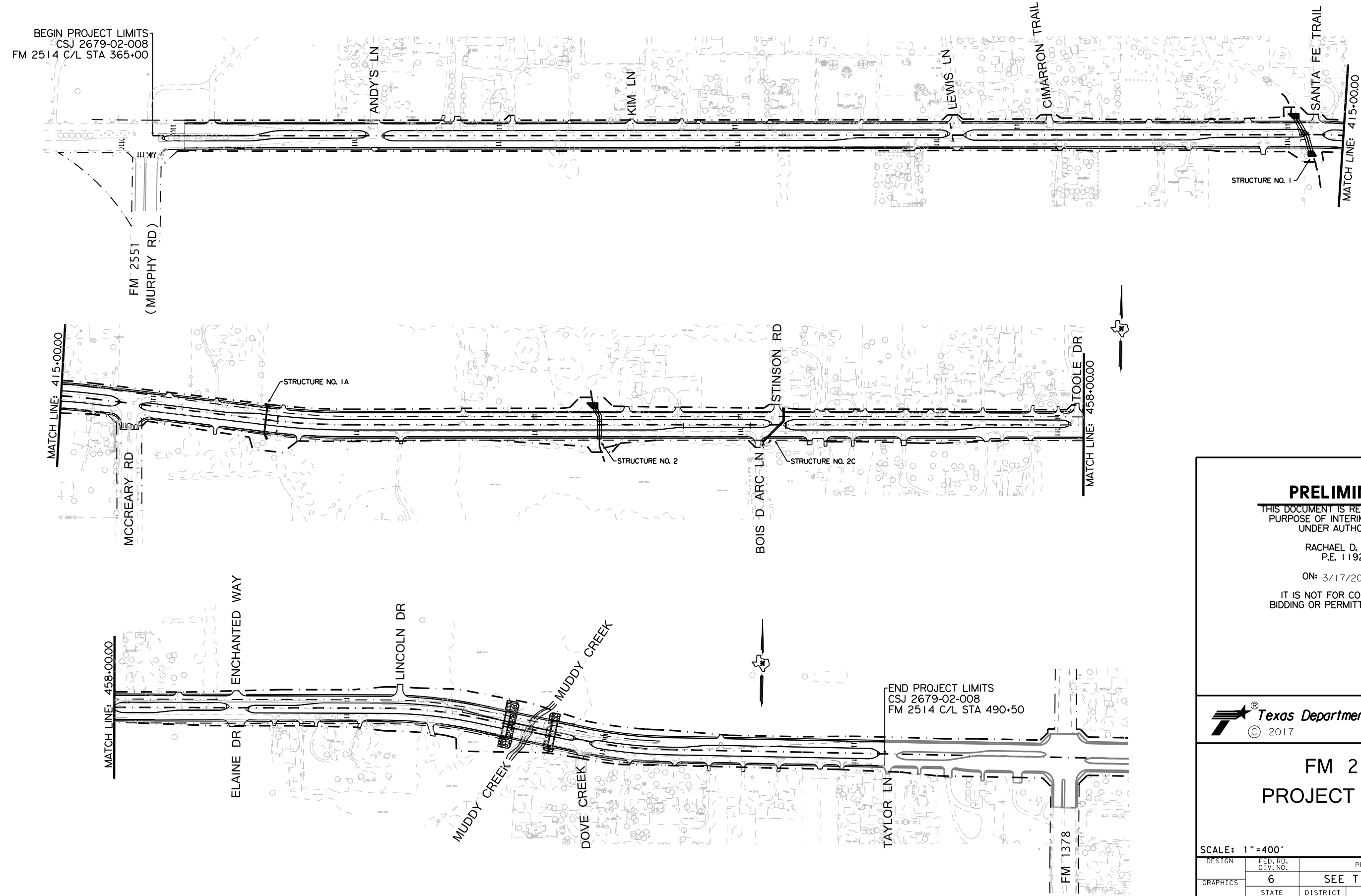
INDEX OF SHEETS

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	2
	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/17/2017 TIME: 7:30:57 AM

FILE: c:\pdxdot\dwg\online\txdot\5\raehae.l...twigg\dm\07839\FM2514 Project Layout.dgn

BEGIN PROJECT LIMITS  
CSJ 2679-02-008  
FM 2514 C/L STA 365+00



END PROJECT LIMITS  
CSJ 2679-02-008  
FM 2514 C/L STA 490+50

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RACHAEL D. TWIGGS  
P.E. 119291

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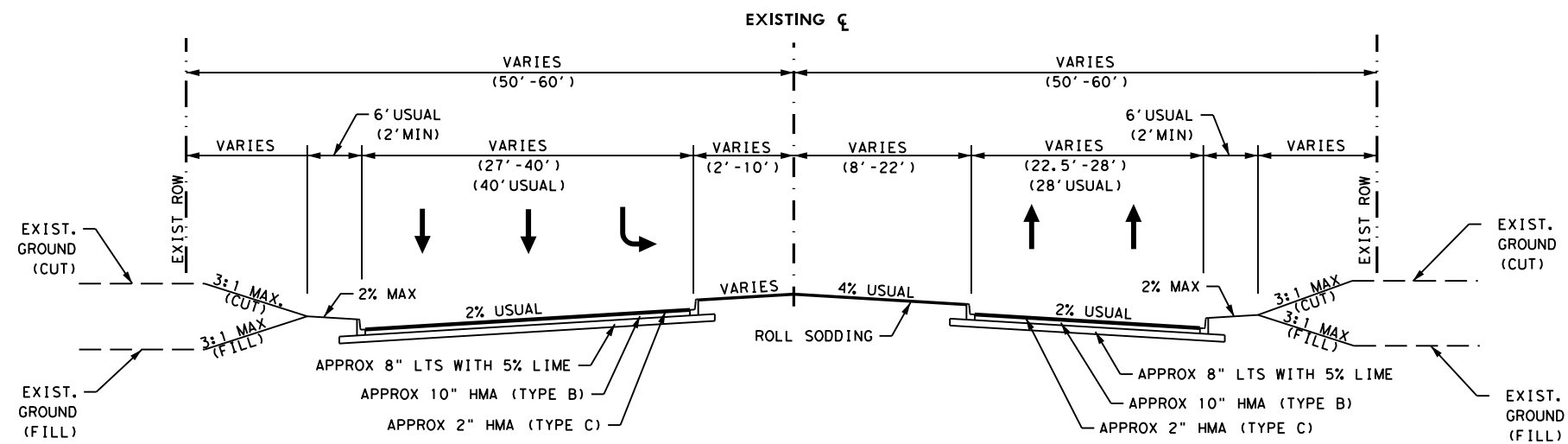


FM 2514  
PROJECT LAYOUT

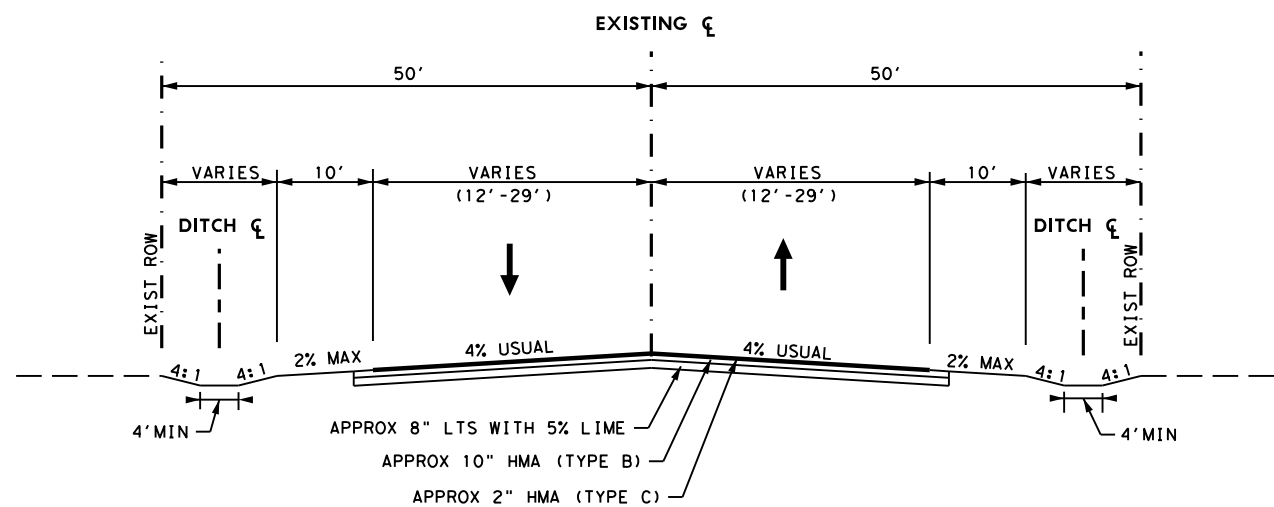
SCALE: 1" = 400'

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 3
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/17/2017 TIME: 7:31:14 AM  
 FILE: c:\pdxdot\dwg\online\ine\txdot\5\vrachae\l\fw\ggs\dms07839\FM2514 TYPICAL SECTIONS.dgn



**E1 FM 2514 EXISTING TYPICAL SECTION**  
 FROM STA 366+34.50 TO STA 370+49.50



**E2 FM 2514 EXISTING TYPICAL SECTION**  
 FROM STA 370+49.50 TO STA 373+50.86

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SUSAN A. ICKE  
 P.E. 87752

ON: 3/17/2017

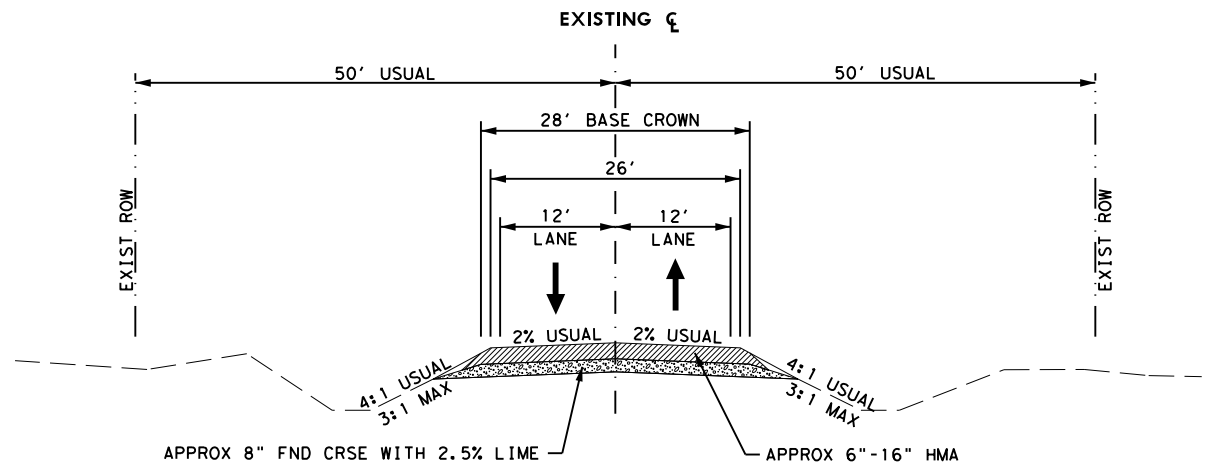
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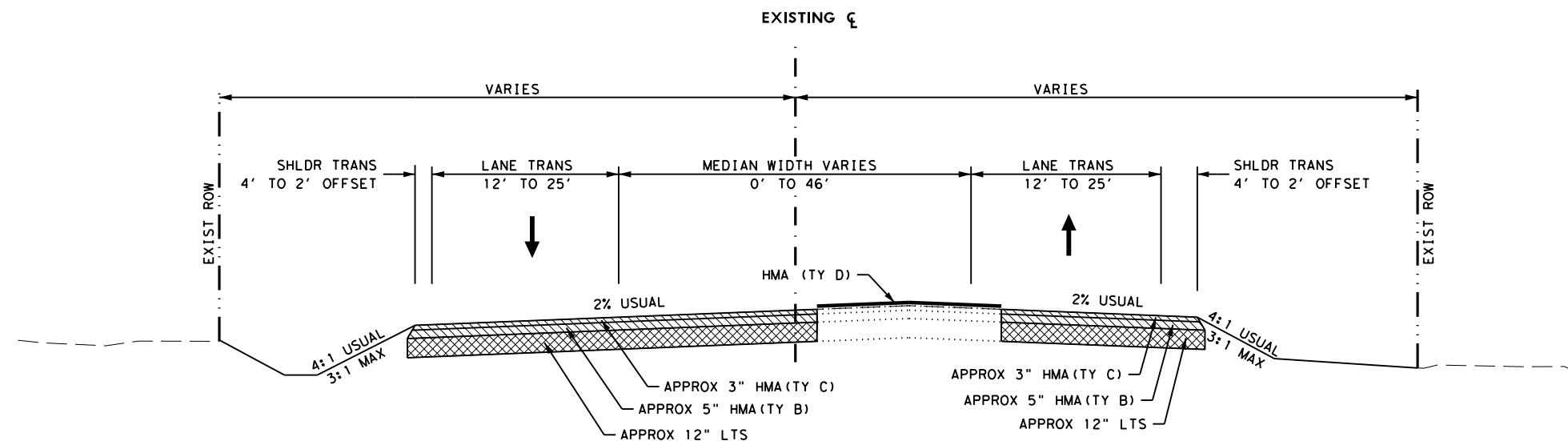
**FM 2514  
 EXISTING  
 TYPICAL SECTIONS**

SHEET 1 OF 3

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 4
CHECK	CONTROL 2679	SECTION 02	JOB 008	



**E3** FM 2514 EXISTING TYPICAL SECTION  
FROM STA 373+50.86 TO STA 480+91



**E4** FM 2514 EXISTING TYPICAL SECTION  
FROM STA 480+91 TO STA 490+50

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P.E. 87752

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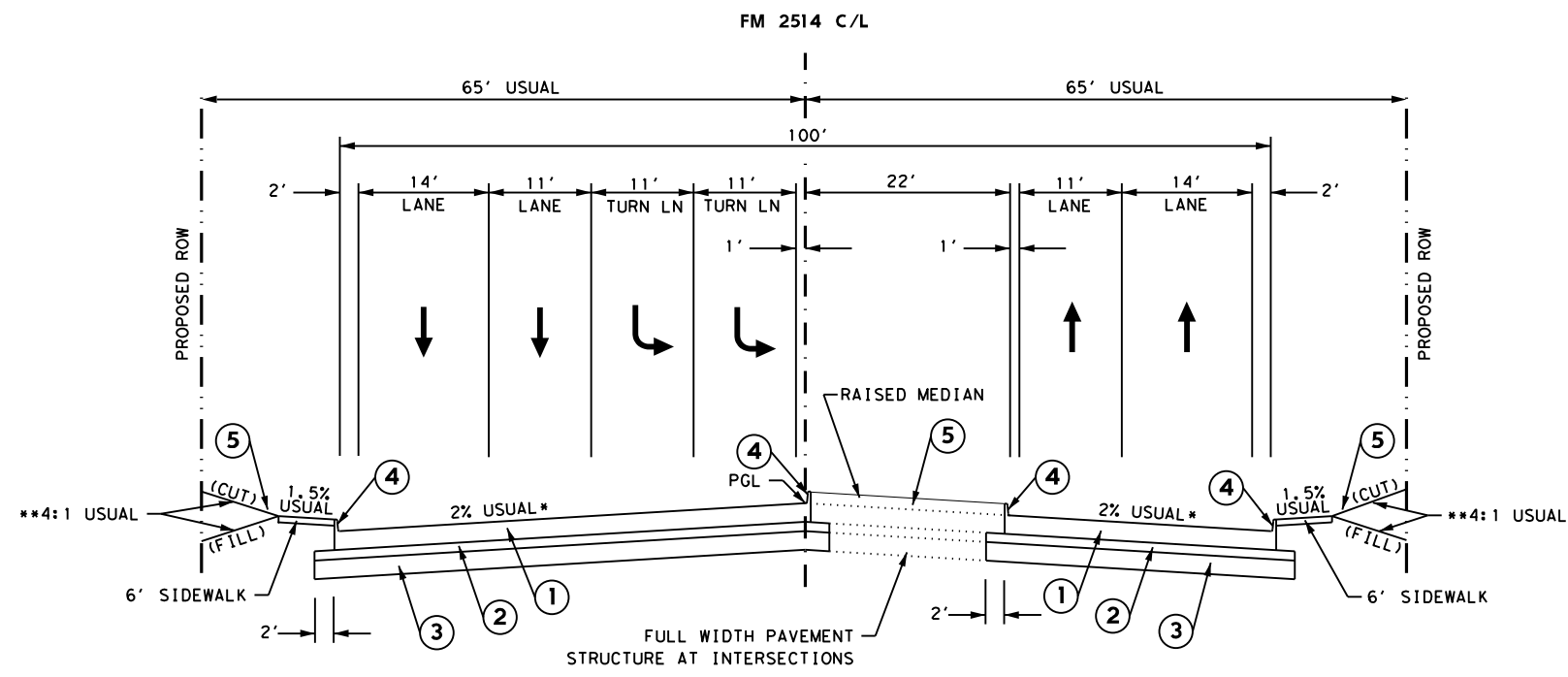
FM 2514  
EXISTING  
TYPICAL SECTIONS

SHEET 2 OF 3

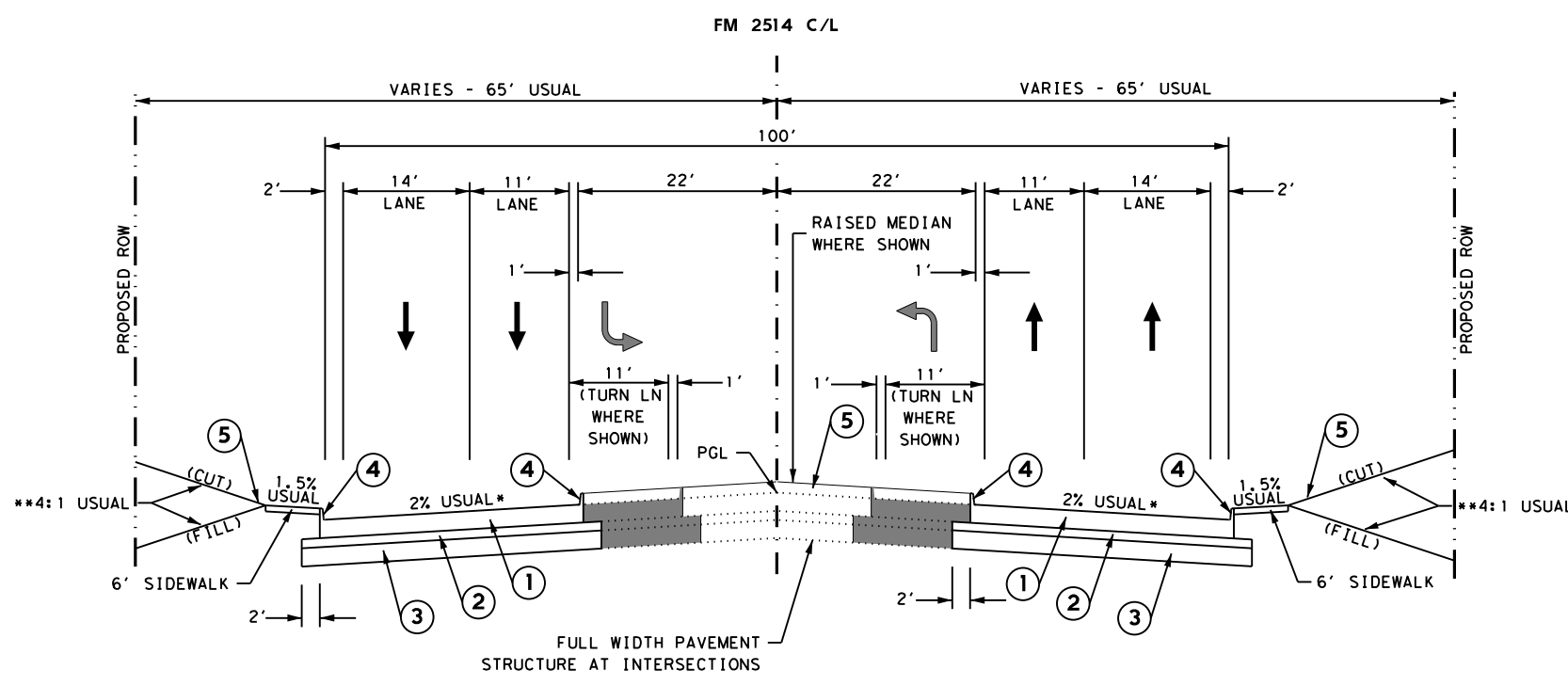
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GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 5
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/17/2017 TIME: 7:31:15 AM  
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DATE: 3/17/2017 TIME: 7:31:18 AM  
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**P1** **FM 2514 PROPOSED TYPICAL SECTION**  
 FROM STA 366+34.5 TO STA 368+90  
 FROM STA 368+90 TO STA 370+32  
 TRANSITION TO TYP SECT NO. P2



**P2** **FM 2514 PROPOSED TYPICAL SECTION**  
 FROM STA 370+32 TO STA 474+40  
 FROM STA 474+40 TO STA 476+60  
 MUDDY CREEK BRIDGE  
 (SEE BRIDGE TYPICAL SECTIONS)  
 FROM STA 476+60 TO STA 490+50

- PROPOSED PAVEMENT LEGEND**
- ① 8" CONCRETE PAVEMENT (CRCP)
  - ② 4" SUPERPAVE MIX SP-B (64-22)
  - ③ 8" LIME TREAT SUBGRADE W/6%
  - ④ MONO CURB TYPE II
  - ⑤ COMPOST & SEED OR SOD

**NOTES:**

- DIMENSIONS ARE TO FACE OF CURB.
- \*\*SEE PLAN & PROFILE SHEETS FOR CHANGE IN CROSS SLOPE.
- \*\*SEE MISCELLANEOUS DETAILS FOR LOCATIONS REQUIRING A RIPRAP SLOPE, SIDEWALK CURB OR SIDEWALK RETAINING WALL.

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**FM 2514 PROPOSED TYPICAL SECTIONS**

SHEET 3 OF 3

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 6
CHECK	CONTROL 2679	SECTION 02	JOB 008	

**SUMMARY OF WORK ZONE STRIPING ITEMS**

TCP PHASE	SHEET X OF X	0662-6071	0662-6077	0662-6104	0677-6001
		WV ZN PAV MRK REMOV (W) 8" (SLD)	WV ZN PAV MRK REMOV (W) 4" (SLD W/MRKR)	WV ZN PAV MRK REMOV (Y) 4" (SLD W/MRKR)	ELIM EXT PAV MRK & MRKS (4")
		LF	LF	LF	LF
PHASE 1A STEP A	1 OF 4		540	130	663
	2 OF 4		2200	2200	3300
	3 OF 4		2200	2200	3300
	4 OF 4		50	100	150
PHASE 1A STEP B	1 OF 12		782	480	348
	2 OF 12		2200	2200	1100
	3 OF 12		2200	2200	1100
	4 OF 12		610	1220	610
PHASE 1B	1 OF 13	235	460	415	
	12 OF 13		612	612	
	13 OF 13		1260	880	
	PHASE 1C			845	
PHASE 2A	1 OF 12		1150	560	
	2 OF 12		1030	1160	
PHASE 2B	3 OF 12		1100	2200	
	4 OF 12		950	1900	
	5 OF 12		920	1840	
	6 OF 12		1040	2080	
	7 OF 12		1100	2200	
	8 OF 12		1020	2040	
	9 OF 12		1020	2040	
	10 OF 12		1100	2200	
	11 OF 12		1100	2200	
	12 OF 12		500	2030	
	McCREARY RD STAGE 1	1 OF 1		1220	
McCREARY RD STAGE 2	1 OF 1		1220		
<b>PROJECT TOTAL</b>		<b>235</b>	<b>27,584</b>	<b>36,592</b>	<b>10,571</b>

**SUMMARY OF TCP ITEMS**

TCP PHASE	SHEET X OF X	0400-6006	0403-6001	0460-6002	0464-6003	0465-6187	0467-6348	0496-6002	0508-6001	0512-6005	0512-6009	0512-6010	0512-6053	0512-6057	0512-6058	0545-6005	0545-6006
		CUT & RESTORING PAV	TEMP SPL SHORING	CMP (GAL STL 18 IN)	RCP (CL III) (18 IN)	INLET (COMPL) (DROPL) (TY 1) (1 GRATE)	SET (TY II) (18 IN) (CMP)	REMOV STR (INLET)	CONSTRUCT DETOURS	PORT CTB (FUR & INSTALL)			PORT CTB (REMOVE)			CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (L) (N) (TL2)
		SY	SF	LF	LF	EA	EA	EA	SY	(F-SHAPE) (TY 1) LF	(LOW PROF) (TY 1) LF	(LOW PROF) (TY 2) LF	(F-SHAPE) (TY 1) LF	(LOW PROF) (TY 1) LF	(LOW PROF) (TY 2) LF	EA	EA
PHASE 1A STEP A	1 OF 4																
	2 OF 4																
	3 OF 4																
	PHASE 1A STEP B	3 OF 12															
PHASE 1B	4 OF 12																
	5 OF 12	200	1536			1											
	6 OF 12																
	7 OF 12		436								20	40		20	40		
	8 OF 12																
	10 OF 12			166	39.5	1	4										
	11 OF 12				34.5	1											
	12 OF 12								263								
	PHASE 1B	1 OF 4							312								
	2 OF 4																
	3 OF 4																
PHASE 1C	1 OF 12																
PHASE 2A	4 OF 12																
	6 OF 12							1									
	10 OF 12																
PHASE 2B	11 OF 12							1									
	1 OF 1							1		390			390			2	2
McCREARY RD STAGE 2	1 OF 1								118								
<b>PROJECT TOTAL</b>		<b>200</b>	<b>1,972</b>	<b>166</b>	<b>74</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>2,679</b>	<b>390</b>	<b>20</b>	<b>40</b>	<b>390</b>	<b>20</b>	<b>40</b>	<b>2</b>	<b>2</b>

**SUMMARY OF CCA DATA**

LOC NO.	TEMP/PERM	LOCATION	TEST LEVEL	DIRECTION OF TRAFFIC (UNI/B1)	FOUNDATION PAD		BACKUP SUPPORT			CRASH CUSHION															
					PROPOSED MATERIAL	PROPOSED THICKNESS	DESCRIPTION	WIDTH	HEIGHT	L	L	R	R	S	S										
ALL	TEMP	TCP PHASE 2	TL -2	UNI	N/A	N/A	CONCRETE BARRIER	24"	32"															2	

LEGEND:

L=LOW MAINTENANCE  
R=REUSABLE  
S=SACRIFICIAL  
N=NARROW  
W=WIDE



**FM 2514  
SUMMARY OF TRAFFIC CONTROL PLAN ITEMS**

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	9
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

**SUMMARY OF REMOVAL ITEMS**

REMOVAL PLAN SHEET X OF X	STATION LIMITS		LENGTH FT	0100-6002	0104-6001	0104-6009	0104-6022	0105-6XXX	0496-6002	0496-6005	0496-6006	0496-6007	0496-6008	0496-6009	0496-6099	0542-6001	0544-6003	
	FROM	TO		PREP ROW STA	REMOVING CONC (PAV) SY	REMOVING CONC (RIPRAP) SY	REMOVING CONC (CURB & GUTTER) LF	REMOVING STAB BASE & ASPH PAV (6" - 24") SY	* REMV STR (INLET) EA	REMV STR (WINGWALL) EA	REMV STR (HEADWALL) EA	* REMV STR (PIPE) LF	REMV STR (BOX CULVERT) LF	REMV STR (BRIDGE 0-99 FT LENGTH) EA	REMV STR (RAIL) LF	* REMV METAL BEAM GUARD FENCE LF	GUARDRAIL END TREATMENT (REMOVE) EA	
1 OF 6	365+00	385+00	2000	20.00	94		1612	7383	5									
2 OF 6	385+00	407+00	2200	22.00		9		6277	1		1	71				104	2	
3 OF 6	407+00	429+00	2200	22.00			262	6950	1	2		64	80					
4 OF 6	429+00	451+00	2200	22.00				6336		2		182	120					
5 OF 6	451+00	473+00	2200	22.00				6415			2							
6 OF 6	473+00	490+50	1750	17.50				7798				32		1	116	94	4	
<b>PROJECT TOTAL</b>					125.50	94	9	1874	41,159	7	4	3	349	200	1	116	198	6

NOTES:

\* LOCATED ON OTHER SUMMARIES.



**FM 2514  
SUMMARY OF  
REMOVAL ITEMS**

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	<b>TEXAS</b>	<b>DAL</b>	<b>COLLIN</b>	<b>10</b>
CHECK	CONTROL	SECTION	JOB	
	<b>2679</b>	<b>02</b>	<b>008</b>	



**SUMMARY OF ROADWAY ITEMS**

PLAN AND PROFILE SHEET NO. X OF 12	STATION LIMITS		LENGTH FT	260-6002	260-6027	344-6011		360-6002	360-6046	450-6048	529-6005	529-6022	531-6002	531-6004	531-6013	536-6005
	FROM	TO		LIME (HYDRATED LIME (SLURRY)) TON ①	LIME TRT (EXIST MATL) (8") SY	AREA SY	SUPERPAVE MIXTURES SP-B (64-22) (4") TON ①	CONC PVMT CONT REINF (CRCP) (8") SY ②	CONC PVMT CONT REINF (CRCP) (HES) (8") SY ③	RAIL (HANDRAIL) (TY B) LF	CONC CURB (MONO) (TY II) LF	CONC CURB DOWEL (TY II) LF	CONCRETE SIDEWALKS (5") SY ④	CURB RAMPS (TY 1) EA	CURB RAMPS (TY 10) EA	CONCRETE MEDIAN (NOSE) SY ⑤
1	365+00	366+34.50	135	7	412	412	91	412				170				12
1	366+34.50	374+00	766	126	7,012	7,012	1,543	6,313			2,952		951		4	13
2	374+00	385+00	1,100	152	8,445	8,445	1,858	7,490			3,798		1,160		9	14
3	385+00	396+00	1,100	150	8,339	8,339	1,835	7,361			4,060		1,240		9	0
4	396+00	407+00	1,100	158	8,771	8,771	1,930	7,815			3,732		1,120		12	27
5	407+00	418+00	1,100	173	9,609	9,609	2,114	8,058	610	81.0	3,534		1,082	1	14	39
6	418+00	429+00	1,100	162	9,026	9,026	1,986	7,562	490	30.5	3,945		1,219	1	11	13
7	429+00	440+00	1,100	146	8,108	8,108	1,784	7,130		40.5	4,168		1,312		5	0
8	440+00	451+00	1,100	161	8,971	8,971	1,974	8,012			3,442		911		18	27
9	451+00	462+00	1,100	166	9,195	9,195	2,023	8,236			3,981		1,080		14	27
10	462+00	473+00	1,100	161	8,970	8,970	1,973	8,263			3,622		963		16	26
11	473+00	484+00	1,100	22	1,203	1,203	265	6,980			2,924		952		10	25
12	484+00	490+50	650	118	6,536	6,536	1,438	4,375			2,207		642		9	14
<b>PROJECT TOTAL</b>				<b>1,702</b>	<b>94,597</b>	<b>94,597</b>	<b>20,814</b>	<b>88,007</b>	<b>1,100</b>	<b>152.0</b>	<b>42,365</b>	<b>170</b>	<b>12,632</b>	<b>2</b>	<b>131</b>	<b>237</b>

**SUMMARY OF BRIDGE RELATED ITEMS**

	403-6001	422-6016
TEMPORARY SPL SHORING	SF	APPROACH SLAB (HPC) CY
<b>PROJECT TOTAL</b>	<b>1,901</b>	<b>214</b>

**SUMMARY OF MBGF ITEMS**

LOCATION	540-6001	540-6007	544-6001	658-6061
	METAL BEAM GD FENCE (TIM POST) LF	MTL BEAM GD FEN TRANS (TL2) EA	GUARDRAIL END TREATMENT EA	INSTL DEL ASSM (D-SW) SZ 1 (BRF) GF2 EA
	WB - EAST OF BRIDGE	25	1	1
EB - WEST OF BRIDGE	25	1	1	3
EB - WEST OF RETAINING WALL	25	1	1	3
<b>PROJECT TOTAL</b>	<b>75</b>	<b>3</b>	<b>3</b>	<b>9</b>

NOTES:

- ① SEE BASIS OF ESTIMATE FOR RATE.
- ② INCLUDES PAVEMENT UNDER 7" WIDE CURB.
- ③ SEE TCP FOR DETAILS.
- ④ BASED ON A RAMP SLOPE LENGTH = 6' AND A 5' X 6' LANDING. SEE DRIVEWAY DETAILS FOR "PED RAMPS AT DRIVEWAYS".
- ⑤ SEE MEDIAN NOSE DETAILS FOR MORE INFORMATION.



**FM 2514  
SUMMARY OF  
ROADWAY ITEMS**

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 11
CHECK	CONTROL 2679	SECTION 02	JOB 008	

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SUMMARY OF EARTHWORK ITEMS

Table with columns: STATION, ITEM 110 (EXCAVATION), ITEM 132 (EMBANKMENT). Rows include stations from 367+50 to 402+50.

Table with columns: STATION, ITEM 110 (EXCAVATION), ITEM 132 (EMBANKMENT). Rows include stations from 403+00 to 437+25.

Table with columns: STATION, ITEM 110 (EXCAVATION), ITEM 132 (EMBANKMENT). Rows include stations from 437+50 to 471+50.

Table with columns: STATION, ITEM 110 (EXCAVATION), ITEM 132 (EMBANKMENT). Rows include stations from 472+00 to 490+50.

NOTES: EARTHWORK QUANTITIES INCLUDE THE EXISTING PAVEMENT STRUCTURE. NO ADJUSTMENTS WERE MADE FOR THE REMOVAL OF EXISTING HMA AND/OR TREATED SUBGRADE.

Summary table with columns: ITEM 110 EXCAVATION, ITEM 132 EMBANKMENT (C1), ITEM 132 EMBANKMENT (C2). Total values: 34,672, 59,515, 1,537.

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FM 2514 SUMMARY OF EARTHWORK

Table with columns: DESIGN, FED. RD. DIV. NO., PROJECT NO., HIGHWAY NO., STATE, DISTRICT, COUNTY, SHEET NO., CHECK, CONTROL, SECTION, JOB, SHEET NO. Values include 6, SEE TITLE SHEET, FM2514, TEXAS, DAL, COLLIN, 12, 2679, 02, 008.

**SUMMARY OF WB DRIVEWAY ITEMS**

DWY NO.	EXISTING STATION	PROPOSED STATION	TYPE	EXIST SURFACE MATERIAL BEYOND EXIST ROW	"L"			"W" WIDTH (FT)	"R" RADIUS (FT)	104-6017	105-6011	496-6004	496-6007		530-6004	560-6011	560-6012	COMMENTS
					REMOV CONC DWYS	REMOV STAB BASE (2"-6") (SY)	REMOVE STR (SET) (EA)			REMOVE STR (PIPE)		DWY (CONC) (SY)	MAILBOX INSTALL-S (TWW-POST) TY 4 (EA)	MAILBOX INSTALL-D (TWW-POST) TY 4 (EA)				
					(SY)	(SY)	(EA)			TYPE	(LF)	(SY)	(EA)	(EA)				
1W		367+48	COMMERCIAL	CONCRETE	15.0		9.20	24	20	100				57				
2W		374+31	PUBLIC	ASPHALT	15.0	1.0	11.50	37	20		224		CMP	43	83			Andy's Ln
3W		377+17	COMMERCIAL	CONCRETE	15.0	17.4	9.00	12	20	140			PVC	59	66	1		
4W		377+80	COMMERCIAL	ASPHALT	15.0	19.6	11.50	27	25		239		CMP	53	122			
5W		380+05	PRIVATE	ASPHALT	31.5		2.38	11.2	20		190							
5W		380+05	PRIVATE	ASPHALT	35.0		1.17	11.7	20				CMP	25	115			
6W		382+51	COMMERCIAL	ASPHALT	15.0		4.20	8	20		84		CMP	36	30			
7W		385+10	PUBLIC	GRAVEL	15.0	4.2	11.50	18	25		45		CMP	48	65	1		Kim Ln
8W		387+21	PRIVATE	ASPHALT	15.0	5.2	11.50	12	20		30	2	CMP	20	46	1		
9W		387+93	PRIVATE	ASPHALT	15.0	1.9	11.50	9	20		67		CMP	19	35	1		
10W		390+92	PRIVATE	CONCRETE	15.0	1.4	11.50	10	20	76		2	CMP	27	36	1		
11W		394+77	PRIVATE	CONCRETE	15.0		5.81	10	20	78			CMP	24	34	1		
12W		398+79	PUBLIC	ASPHALT	35.0		3.36	20	40		233		CMP	43	153			Lewis Ln
13W		402+73	PUBLIC	ASPHALT	35.0		0.83	22	25		206		CMP	41	117			Cimarron Trail
14W		406+85	PRIVATE	GRASS	15.0		0.85	16	20				CMP	29	44			
15W		409+19	PRIVATE	CONCRETE	15.0	4.7	8.50	16	20	127		2	CMP	29	55	1		
16W		410+98	PRIVATE	GRAVEL	18.8	0.8	8.50	24	20			2	CMP	23	71			
17W		413+84	PUBLIC	ASPHALT	35.0		3.33	20	30		208				121			Santa Fe Trail
18W		418+19	PRIVATE	GRASS	15.0		6.14	16	20				CMP	36	44			
	419+09		PRIVATE	GRASS									CMP	24				
	420+00		PRIVATE	GRASS									CMP	34				
19W		421+45	PRIVATE	ASPHALT	15.0		8.27	9	20		58		CMP	21	32	1		McCreary
20W		424+29	PRIVATE	GRASS	15.0	4.5	12.00	12	20		29				45			
21W		431+90	PRIVATE	ASPHALT	19.0	0.6	12.00	11	20		98		CMP	19	41	1		
22W		438+75	PRIVATE	GRASS	27.0		0.90	20	25				CMP	40	90			
	439+38		COMMERCIAL	ASPHALT							93		CMP	20				
23W		440+92	PRIVATE	GRASS	24.0		1.10	20	25		118				83			
24W		445+00	PUBLIC	ASPHALT	35.0		3.84	22	30		281				128			Stinson Dr.
25W		446+75	PRIVATE	ASPHALT	15.0	0.8	8.50	13	20		43		RC	17	37	1		
26W		447+16	PRIVATE	ASPHALT	15.0	1.0	8.50	9	20		80		RC	19	31			
27W		448+37	PRIVATE	ASPHALT	15.0	4.0	8.50	9	20		73		RC	24	33	1		
28W		448+77	PRIVATE	ASPHALT	15.0	4.6	9.50	11	20		88		RC	18	36	1		
29W		450+50	PRIVATE	ASPHALT	15.0		12.00	15	20		31		RC	23	43	1		
29aW		451+52	PRIVATE	GRASS	15.0		7.53	15	20				RC	25	43			
30W		452+20	PRIVATE	ASPHALT	15.0		2.87	9	20		78		RC	23	32	1		
31W		453+71	PRIVATE	CONCRETE	15.0	6.4	12.00	10	20	90			RC	22	44	1		
32W		455+78	PRIVATE	GRAVEL	15.0	18.0	12.00	12	20		17		CMP	19	61	1		
33W		456+90	PRIVATE	GRAVEL	15.0	14.5	12.00	10	20		14		CMP	18	51			
34W		457+64	PUBLIC	ASPHALT	35.0	8.0	12.00	18	30		200		CMP	42	129			Toole Dr.
35W		460+70	PRIVATE	GRASS	15.0		3.78	21	20				CMP	32	52			
36W		463+13	PUBLIC	CONCRETE	21.4		10.26	24	30	116	130				93			Enchanted Way
37W		469+97	PUBLIC	CONCRETE	40.0	11.2	12.00	24	30	187	154				181			Lincoln Dr
38W		471+98	PRIVATE	GRASS	50.0	6.1	12.00	12	20				CMP	24	100			
39W		483+61	PRIVATE	GRASS	17.5		8.15	12	20				CMP	30	42	1		
<b>WB TOTAL</b>										<b>914</b>	<b>3,111</b>	<b>8</b>		<b>1,049</b>	<b>2,721</b>	<b>17</b>	<b>0</b>	

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 Texas Department of Transportation  
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**FM 2514**  
**SUMMARY OF**  
**DRIVEWAY ITEMS**


SHEET 1 OF 2

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	13
	CONTROL	SECTION	JOB	
	2679	02	008	

**SUMMARY OF EB DRIVEWAY ITEMS**

DWY NO.	EXISTING STATION	PROPOSED STATION	TYPE	EXIST SURFACE MATERIAL BEYOND EXIST ROW	"L"			"W" WIDTH (FT)	"R" RADIUS (FT)	104-6017	105-6011	496-6004	496-6007		530-6004	560-6011	560-6012	COMMENTS
					REMOV CONC DWYS (SY)	REMOV STAB BASE (2"-6") (SY)	REMOVE STR (SET) (EA)			REMOVE STR (PIPE)		DWY (CONC) (SY)	MAILBOX INSTALL-S (TWW-POST) TY 4 (EA)	MAILBOX INSTALL-D (TWW-POST) TY 4 (EA)				
										TYPE	(LF)							
1E	368+45	374+34	PRIVATE	GRASS	15.00		7.6	16.5	20		22				44			
	382+00		PRIVATE	GRASS							26		CMP	18				
2E		396+89	PRIVATE	CONCRETE	15.00		9.9	19	20	139		2	CMP	70	48	1		
3E		398+76	PRIVATE	GRASS	15.00		4.2	20	20						50			
	402+26		PRIVATE	GRAVEL							2		CMP	54				
4E		403+10	PRIVATE	GRAVEL	15.00		4.6	15	20		83	2	CMP	54	42	1		
5E		407+23	PRIVATE	GRAVEL	15.00	1.19	8.5	12	20		47	2	CMP	50	39	1		
6E		408+51	PRIVATE	CONCRETE	15.00		7.4	14	20	119		2	CMP	62	40	1		
7E		411+63	PRIVATE	GRAVEL	21.00	10.86	12.0	20	20			2	CMP	50	90			
8E		416+38	PRIVATE	GRASS	15.00		2.5	12	20		19		CMP	20	37	1		
9E		421+55	PRIVATE	ASPHALT	26.05	10.00	12.0	12	20						67			
10E		425+04	PRIVATE	GRASS	26.24		12.0	15	20						63			
11E		429+29	PRIVATE	GRAVEL	18.29	11.15	12.0	15	20		54		CMP	20	68	1		
	431+75		PRIVATE	GRAVEL									CMP	20				
	439+55		PRIVATE	GRAVEL									CMP	20				
12E		444+27	PUBLIC	ASPHALT	45.00		7.6	22	30		193				153			Bois D Arc Ln
13E		446+44	COMMERCIAL	GRAVEL	19.94	18.77	12.0	20	20		68		CMP	20	94	1		
14E		447+11	PRIVATE	GRAVEL	24.42	23.83	12.0	12	20		37		CMP	19	72			
15E		448+26	PRIVATE	GRAVEL	21.00	19.58	12.0	12	20		20		CMP	32	73			
16E		450+40	PRIVATE	GRAVEL	25.42	12.12	12.0	20	25		32				113		1	
17E		453+87	PRIVATE	ASPHALT	18.72		2.3	20	25		18		CMP	20	68			
18E		454+53	PRIVATE	ASPHALT	15.00	3.65	5.0	12	20		37		CMP	21	37	1		
19E		455+71	PRIVATE	CONCRETE	15.00		10.7	12	20	96		2	RCP	22	37			
20E		463+13	PUBLIC	GRAVEL	25.00	3.59	12.0	60	30	103	285	2	RCP	80	234			Elaine Dr
21E		464+72	PRIVATE	GRAVEL	25.00		8.3	12	20	33	34		CMP	19	52	1		
22E		465+84	COMMERCIAL	ASPHALT	25.00	5.86	9.5	12	20		28		CMP	21	52			
23E		466+47	PRIVATE	ASPHALT	26.20	3.03	12.0	12	20		36		CMP	20	55			
	467+34		PRIVATE	GRAVEL							36		CMP	21				
24E		468+32	PRIVATE	GRAVEL	31.90	6.36	12.0	12	20		70		CMP	20	78	1		
25E		471+33	PRIVATE	ASPHALT	44.70	9.90	12.0	20	20		98		CMP	22	140	1		
	476+49		PRIVATE	GRAVEL							33		CMP	33				
26E		477+85	PUBLIC	ASPHALT	26.27		6.9	20	30		170		CMP	38	100			Dove Creek
27E		479+83	PRIVATE	CONCRETE	22.35		0.7	12	20	87			CMP	37	49	1		
28E		481+70	PRIVATE	GRAVEL	16.54		9.2	12	20		53		CMP	18	40	1		
29E		483+13	PRIVATE	GRAVEL	16.97	18.30	12.0	12	20	88			CMP	22	66	1		
30E		484+57	PRIVATE	GRAVEL	17.96	18.27	12.0	12	20		31		CMP	20	67			
31E		486+05	PRIVATE	GRASS	19.00	15.08	12.0	12	20		20		CMP	20	65	1		
32E		487+80	COMMERCIAL	ASPHALT	19.00		2.7	18	20				CMP	21	57	1		
33E		488+71	PRIVATE	GRASS	19.45		4.7	12	20		57		CMP	32	45			
<b>EB TOTAL</b>										<b>665</b>	<b>1,607</b>	<b>16</b>		<b>1,016</b>	<b>2,335</b>	<b>16</b>	<b>1</b>	
<b>PROJECT TOTAL</b>										<b>1,579</b>	<b>4,718</b>	<b>24</b>		<b>2,065</b>	<b>5,056</b>	<b>33</b>	<b>1</b>	

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<b>FM 2514 SUMMARY OF DRIVEWAY ITEMS</b>			
SHEET 2 OF 2			
DESIGN	FED. RD. DIV. NO.	PROJECT NO.	HIGHWAY NO.
GRAPHICS	<b>6</b>	SEE TITLE SHEET	<b>FM2514</b>
CHECK	STATE	DISTRICT	COUNTY
	<b>TEXAS</b>	<b>DAL</b>	<b>COLLIN</b>
CHECK	CONTROL	SECTION	JOB
	<b>2679</b>	<b>02</b>	<b>008</b>

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**SUMMARY OF CROSS DRAINAGE ITEMS**

STRUCTURE NO.	0110-6002 EXCAVATION (CHANNEL)  CY	0402-6001 TRENCH EXCAVATION PROTECTION  LF	0432-6001 RIPRAP (CONC) (4 IN)  CY	0432-6002 RIPRAP (CONC) (5 IN)  ① CY	0432-6031 RIPRAP (STONE PROTECTION)  (12 IN) CY	0462-6006 CONC BOX CULV (5 FTX2 FT)  LF	0462-6017 CONC BOX CULV (7 FTX6 FT)  LF	0464-6008 RC PIPE (CL III) (36 IN)  LF	0465-6130 INLET (COMPL) (PSL) (FG) (3FTX5FT- 3FTX5FT)  EA	0466-6XXX WINGWALL (PW-MSE) (HW=8 FT)  EA	0467-6171 SET (TY I) (S=5 FT) (HW=3 FT) (3:1) C ① EA	0467-6260 SET (TY I) (S=7 FT) (HW=8 FT) (3:1) C ① EA	0467-6450 SET (TY II) (36 IN) (RCP) (4:1) C ② EA	0476-6025 JACK BOR OR TUN PIPE (36 IN) (RC) (CL IV)  LF	0476-6071 JACK BOR TUN BOX CULV (5 FTX2 FT)  LF	0658-6019 INSTL DEL ASSM (D-SY) SZ1 (FLX) GND (BR) ③ EA
A - SEE SS LINE A																
1 - BRIDGE CLASS CULVERT	SEE BRIDGE CLASS CULVERT SUMMARY															
1A	100	40	2		400			87	1				1	46		4
2	100	60		9.2	318		264			1		1				1
2A - TO BE REMOVED																
2B - TO BE REMOVED																
2C	0	0	28	0.8	28	220					2				60	4
PROJECT TOTAL:	200	100	30	10.0	746	220	264	87	1	1	2	1	1	46	60	11

**SUMMARY OF BRIDGE RELATED ITEMS**

STRUCTURE NO.	0402-6001 TRENCH EXCAVATION PROTECTION  LF	0432-6002 RIPRAP (CONC) (5 IN)  ① CY	0432-6031 RIPRAP (STONE PROTECTION)  (12 IN) CY	0462-6020 CONC BOX CULV (8 FT X 5 FT)  LF	0467-6283 SET (TY I) (S=8 FT) (HW=7 FT) (3:1) C ① EA
1 - BRIDGE CLASS CULVERT	107	15.1	131	304.4	2

NOTES:

- ① A 5" DEEP CONCRETE RIPRAP APRON WILL BE REQUIRED BETWEEN THE WINGWALLS FOR SET(TY I). SEE "BOX CULVERT SUPPLEMENT" SHEET FOR QUANTITY PER STRUCTURE WINGWALL.
- ② A 4" DEEP CONCRETE RIPRAP APRON WILL BE REQUIRED FOR SET(TY II) AND IS CONSIDERED SUBSIDIARY TO ITEM 467.
- ③ PLACE DELINEATORS AT ALL WINGWALL/SET LOCATIONS.



**FM 2514  
SUMMARY OF CROSS  
DRAINAGE ITEMS**

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE <b>TEXAS</b>	DISTRICT <b>DAL</b>	COUNTY <b>COLLIN</b>	SHEET NO. <b>15</b>
CHECK	CONTROL <b>2679</b>	SECTION <b>02</b>	JOB <b>008</b>	


**SUMMARY OF STORM SEWER DRAINAGE ITEMS**

LOCATION	* 402 6001	462 6003	462 6004	464 6003	464 6005	464 6007	* 464 6008	464 6009	465 6006	465 6009	465 6011	465 6014	465 6015	465 6016
	TRENCH EXCAVATION PROTECTION	CONC BOX CULV (4 FT X 2 FT)	CONC BOX CULV (4 FT X 3 FT)	RC PIPE (CL III) (18 IN)	RC PIPE (CL III) (24 IN)	RC PIPE (CL III) (30 IN)	RC PIPE (CL III) (36 IN)	RC PIPE (CL III) (42 IN)	JCTBOX (COMPL) (PJB) (4FTX4FT)	JCTBOX (COMPL) (PJB) (5FTX5FT)	JCTBOX (COMPL) (PJB) (6FTX6FT)	INLET (COMPL)(PCO) (3FT)(LEFT)	INLET (COMPL)(PCO) (3FT)(RIGHT)	INLET (COMPL)(PCO) (3FT)(BOTH)
	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
FM 2514 (WB):														
LINE A	3259		1428	18	232	556	2114				1	8	6	2
LINE C					737	241						4		
LINE E					817	244						6		
LINE G	693				31	14		694		1		1	2	1
LINE I		426		26							1			
LINE K	395				451	226	1252	278	1					17
LINE M					1018								7	
FM 2514 (EB):														
LINE B	1706				2108	1586	646					3	16	2
LINE D					880								4	
LINE F					1173								5	1
LINE H					362							1	1	1
LINE J				392								2		
LINE L				58	2030							1	9	1
LINE N				22	1085							7		
<b>PROJECT TOTALS</b>	<b>6053</b>	<b>426</b>	<b>1428</b>	<b>516</b>	<b>10924</b>	<b>2867</b>	<b>4012</b>	<b>972</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>33</b>	<b>50</b>	<b>25</b>

**SUMMARY OF STORM SEWER DRAINAGE ITEMS, CONT'D**

465 6018	465 6026	465 6027	465 6128	465 6130	467 6395	467 6423	467 6466
INLET (COMPL)(PCO) (4FT)(LEFT)	INLET (COMPL)(PCO) (6FT)(LEFT)	INLET (COMPL)(PCO) (6FT)(RIGHT)	INLET(COMPL) (PSL)(FG) (4FTX4FT- 4FTX4FT)	INLET(COMPL) (PSL)(FG) (3FTX5FT- 3FTX5FT)	SET(TY II) (24 IN)(RCP) (6:1)(P)	SET(TY II) (30 IN)(RCP) (6:1)(P)	SET(TY II) (42 IN)(RCP) (6:1)(P)
EA	EA	EA	EA	EA	EA	EA	EA
8	4		3	5			
				4			
				2		1	
			5				
		3	4				1
			2				
					1		
				8			
				2			
					1		
					1		
				4	1		
				2			
<b>8</b>	<b>4</b>	<b>3</b>	<b>8</b>	<b>33</b>	<b>4</b>	<b>1</b>	<b>1</b>

\* LOCATED ON OTHER SUMMARIES.



**FM 2514**  
**SUMMARY OF STORM SEWER DRAINAGE ITEMS**

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>16</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/17/2017 TIME: 7:33:29 AM  
FILE: c:\pdxdot\dwg\onl\ine\txdot\5\rochae.l.\twi\ggs\dms84377\RAINAGE\_SUMM.dgn

**SUMMARY OF PAVEMENT MARKING ITEMS**

PAVEMENT MARKING PLAN SHEET NO. X OF 7	FROM STA	TO STA	LENGTH FT	0666-6300	0666-6006	0666-6303	0666-6036	0666-6042	0666-6048	0666-6315	666-6147	PAVEMENT SEALER				0668-6077	0668-6085	0672-6010
				RE PM W/ RET REQ TY I (W) 4" (BRK) (100MIL) LF	REFL PAV MRK TY I (W) 4" (DOT) (100MIL) LF	RE PM W/ RET REQ TY I (W) 4" (SLD) (100MIL) LF	REFL PAV MRK TY I (W) 8" (SLD) (100MIL) LF	REFL PAV MRK TY I (W) 12" (SLD) (100MIL) LF	REFL PAV MRK TY I (W) 24" (SLD) (100MIL) LF	RE PM W/ RET REQ TY I (Y) 4" (SLD) (100MIL) LF	REFL PAV MRK TY I (Y) 24" (SLD) (100MIL) LF					PREFAB PAV MRK TY C (W) (ARROW) EA	PREFAB PAV MRK TY C (W) (WORD) EA	REFL PAV MRKR TY II-C-R EA
				4"	8"	12"	24"					EA	EA	EA				
1	RESTRIPE (TCP)		500	250		1,000	400		53	1,000		2,250	400		53	2	2	36
1	INTERSECTION				102	210						312			0			
1	365+50	374+00	850	425		1,700	1,030		50	1,745		3,870	1,030		50	6	6	76
1	374+00	385+00	1,100	550		2,130			18	2,105		4,785			18			31
2	385+00	396+00	1,100	550		2,200	105			2,200		4,950	105		0	1	1	36
2	396+00	407+00	1,100	550		2,028	245		22	2,117		4,695	245		22	1	1	43
3	407+00	418+00	1,100	543		2,050	350	150	46	2,019		4,612	350	150	46	2	2	48
3	418+00	429+00	1,100	537		2,124	450		79	2,164		4,825	450		79	4	4	53
4	429+00	440+00	1,100	550		2,200				2,200		4,950			0			31
4	440+00	451+00	1,100	550		2,036	350		22	2,131		4,717	350		22	2	2	48
5	451+00	462+00	1,100	550		2,118	470		11	2,133		4,801	470		11	3	4	54
5	462+00	473+00	1,100	550		1,914	280		54	2,091		4,555	280		54	3	2	45
6	473+00	484+00	1,100	550		2,129	350		11	2,124	530	4,803	350		541	2	2	48
6	484+00	490+50	650	325		1,276				1,277		2,878			0			19
6	490+50	495+00	450	225		1,103	326		189	816		2,144	326		189	2	4	31
7	495+00	FM 1378 INT.	230	115		460	230		444	471		1,046	230		444	4	2	20
<b>PROJECT TOTAL</b>				<b>6,820</b>	<b>102</b>	<b>26,678</b>	<b>4,586</b>	<b>150</b>	<b>999</b>	<b>26,593</b>	<b>530</b>	<b>60,193</b>	<b>4,586</b>	<b>150</b>	<b>1,529</b>	<b>32</b>	<b>32</b>	<b>616</b>

**SUMMARY OF PAVEMENT MARKING ITEMS, CONT'D**

0678-6001	0678-6004	0678-6006	0678-6008	0678-6009	0678-6016
PAV SURF PREP FOR MRK (4") LF	PAV SURF PREP FOR MRK (8") LF	PAV SURF PREP FOR MRK (12") LF	PAV SURF PREP FOR MRK (24") LF	PAV SURF PREP FOR MRK (ARROW) EA	PAV SURF PREP FOR MRK (WORD) EA
2,250	400		53	2	2
312					
3,870	1,030		50	6	6
4,785			18		
4,950	105			1	1
4,695	245		22	1	1
4,612	350	150	46	2	2
4,825	450		79	4	4
4,950					
4,717	350		22	2	2
4,801	470		11	3	4
4,555	280		54	3	2
4,803	350		541	2	2
2,878					
2,144	326		189	2	4
1,046	230		444	4	2
<b>60,193</b>	<b>4,586</b>	<b>150</b>	<b>1,529</b>	<b>32</b>	<b>32</b>

**SUMMARY OF SIGN ITEMS**

	0644-6001	0644-6007	0644-6068
	IN SM RD SN SUP & AM TY10BWG (1) SA (P)	IN SM RD SN SUP & AM TY10BWG (1) SA (U)	RELOCATE SM RD SN SUP & AM TY10BWG
	EA	EA	EA
SOSS, SHEET 1 OF 2	10	1	1
SOSS, SHEET 2 OF 2	14	0	2
<b>PROJECT TOTAL</b>	<b>24</b>	<b>1</b>	<b>3</b>

NOTES:

PAVEMENT SEALER AND ITEM 678 REQUIRED FOR CONCRETE PAVEMENT.

- ① DOTTED LINE IS 3' LONG WITH 9' SPACING.
- ② REFER TO PAVEMENT MARKING LAYOUTS FOR LOCATIONS.




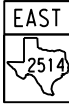

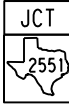







**FM 2514  
SUMMARY OF PAVEMENT  
MARKING & SIGN ITEMS**

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 17
CHECK	CONTROL 2679	SECTION 02	JOB 008	

# SUMMARY OF SMALL SIGNS

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

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	RELOCATE EXISTING 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		N	S
											PREFABRICATED	1EXT or 2EXT = # of Ext		
								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"	BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels		
1	3	D1-2			66" X 30"	X		10BWG	1	SA	U			
1	4	R2-1			30" X 36"	X		10BWG	1	SA	P			
1	5	R2-1			30" X 36"	X		10BWG	1	SA	P			
1	6	M3-2 M1-6F			24" X 12" 24" X 24"	X X		10BWG	1	SA	P			
1	7*	R1-1			30" X 30"	X		10BWG	1	SA	P			
1	8	M2-1 M1-6F			21" X 15" 24" X 24"	X X		10BWG	1	SA	P			
1	9R	D14-14T		●				10BWG						
2	1*	R1-1			30" X 30"	X		10BWG	1	SA	P			
	2*	R1-1			30" X 30"	X		10BWG	1	SA	P			
3	1*	R1-1			30" X 30"	X		10BWG	1	SA	P			
3	2	R3-8VR			36" X 30"	X		10BWG	1	SA	P			

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/>

- NOTE:**
- 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.
  - For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
  - For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).
- \* EXISTING STREET NAME SIGNS SHALL BE MOUNTED ABOVE "STOP" SIGNS. THIS WORK CONSIDERED SUBSIDIARY TO ITEM 644.

SHEET 1 OF 2



## SUMMARY OF SMALL SIGNS

### SOSS

FILE: slums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT April 2016	CONT	SECT	JOB	HIGHWAY
REVISIONS	2679	02	008	FM 2514
	DIST	COUNTY	SHEET NO.	
	DAL	COLLIN	18	

DATE: FILE:



# SUMMARY OF SMALL SIGNS

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DATE: FILE:

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	RELOCATE EXISTING 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		N TYPE	S TYPE
								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	PREFABRICATED P = "Plain" T = "T" U = "U"	1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels		
4	1*	R1-1			30" X 30"	X		10BWG	1	SA	P			
	2*	R1-1			30" X 30"	X		10BWG	1	SA	P			
4	3	M3-2			24" X 12"	X		10BWG	1	SA	P			
		M1-6F		24" X 24"	X									
		D10-7aT		3" X 10"	X									
	4	M3-4 M1-6F		24" X 12" 24" X 24"	X X		10BWG	1	SA	P				
		D10-7aT			3" X 10"	X								
5	1*	R1-1			30" X 30"	X		10BWG	1	SA	P			
	2*	R1-1		30" X 30"	X		10BWG	1	SA	P				
	3*	R1-1		30" X 30"	X		10BWG	1	SA	P				
	4*	R1-1		30" X 30"	X		10BWG	1	SA	P				
6	1	W8-13aT			36" X 36"	X		10BWG	1	SA	P			
	2	W8-13aT			36" X 36"	X		10BWG	1	SA	P			
6	3	R2-1			30" X 36"	X		10BWG	1	SA	P			
6	4*	R1-1			30" X 30"	X		10BWG	1	SA	P			
6	5R					X		10BWG	1	SA	P			
6	6	M2-1			21" X 15"	X		10BWG	1	SA	P			
		M1-6F		24" X 24"	X									
6	7R	D1-2			VARIES" X 30"			10BWG						
6	8R	D2-2			VARIES" X 30"			10BWG						

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/>

- NOTE:**
- 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.
  - For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
  - For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).
- \* EXISTING STREET NAME SIGNS SHALL BE MOUNTED ABOVE "STOP" SIGNS. THIS WORK CONSIDERED SUBSIDIARY TO ITEM 644.

SHEET 2 OF 2



## SUMMARY OF SMALL SIGNS

SOSS

FILE: slums16.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT April 2016	CONT	SECT	JOB	HIGHWAY
REVISIONS	2679	02	008	FM 2514
	DIST	COUNTY	SHEET NO.	
	DAL	COLLIN	19	

Bid Item	Description	Unit	Temporary Traffic Signal	Permanent Traffic Signal	Qty Total
416-6031	DRILL SHAFT (TRF SIG POLE)(30")	LF		11	11
416-6032	DRILL SHAFT (TRF SIG POLE)(36")	LF		26	26
618-6029	CONDUIT (SCHD 40) (PVC) (3")	LF		218	218
618-6030	CONDUIT (SCHD 40) (PVC) (3") (BORE )	LF		250	250
620-6004	ELEC CONDR NO. 12 INSULATED	LF		240	240
620-6008	ELEC CONDR NO. 8 INSULATED	LF		1288	1288
620-6009	ELEC CONDR NO. 6 BARE	LF		622	622
620-6010	ELEC CONDR NO. 6 INSULATED	LF		360	360
624-6002	GROUND BOX TYPE A (122311) W/ APRON	EA		1	1
624-6008	GROUND BOX TYPE C (162911) W/ APRON	EA		3	3
628-6187	ELEC SERV TY D 120/240 070 (NS) SS (E) PS(U)	EA	1		1
644-6030	IN SM RD SN SUP&AM TY S80(1)SA(T)	EA		2	2
680-6002	INSTALL HWY TRF SIG (ISOLATED)	EA		1	1
680-6004	REMOVING TRAFFIC SIGNAL	EA	1		1
681-6001	TEMPORARY TRAFFIC SIGNALS	EA	1		1
682-6001	VEH SIG SEC (12")(LED) (GRN)	EA		6	6
682-6002	VEH SIG SEC (12") (LED)(GRN ARW)	EA		2	2
682-6003	VEH SIG SEC (12")(LED) (YEL)	EA		6	6
682-6004	VEH SIG SEC (12")(LED) (YEL ARW)	EA		2	2
682-6005	VEH SIG SEC (12")(LED) (RED)	EA		6	6
682-6006	VEH SIG SEC (12")(LED) (RED ARW)	EA		2	2
682-6018	PED SIG SEC (12 IN) (LED) (COUNTDOWN)	EA		2	2
682-6035	BACK PLATE (12") (3 SECTION)(VENTED)ALUM	EA		5	5
682-6036	BACK PLATE (12")(4 SECTION)(VENTED) ALUM	EA		1	1
682-6037	BACK PLATE (12") (5 SECTION)(VENTED)ALUM	EA		1	1
684-6031	TRF SIG CBL (TY A) (14 AWG) (5 CNDR)	LF		286	286
684-6033	TRF SIG CBL (TY A) (14 AWG) (7 CNDR)	LF		202	202
684-6038	TRF SIG CBL (TY A) (14 AWG) (12 CNDR)	LF		464	464
684-6079	TRF SIG CBL (TY C) (12 AWG) (2 CNDR)	LF		175	175
686-6031	INS TRF SIG PL AM (S) 1 ARM (28') LUM	EA		1	1
686-6043	INS TRF SIG PL AM (S) 1 ARM (40') LUM	EA		1	1
686-6051	INS TRF SIG PL AM (S) 1 ARM (48') LUM	EA		1	1
687-6001	PED POLE ASSEMBLY	EA		1	1
688-6001	PED DETECT PUSH BUTTON (APS)	EA		2	2
688-6003	PED DETECTOR CONTROLLER UNIT	EA		1	1
6025-6001	RADAR PRESENCE DETECTOR	EA		3	3
6025-6002	RADAR PRESENCE DETECTOR COMM CABLE	LF		377	377
6054-6001	SPREAD SPECTRUM RADIO	EA		*2	2
6054-6002	SSR COAXIAL CABLE	LF		57	57
6054-6005	ANTENNA (UNI-DIRECTIONAL)	EA		*2	2
6058-6001	BBU SYSTEM (EXTERNAL BATT CABINET)	EA		1	1
6155-6001	RADAR DETECTOR	EA		2	2
6155-6002	RADAR COMM CABLE	LF		423	423

\* INCLUDES REQUIRED SPARE EQUIPMENT



TRAFFIC SIGNAL  
PROJECT SUMMARY  
FM 2514 AT McCREARY RD

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
CMC	6	(SEE TITLE SHEET)	FM 2514
GRAPHICS	STATE	DISTRICT	COUNTY
CMC	TEXAS	18	COLLIN
CHECK	CONTROL	SECTION	JOB
LDL	2679	02	008
CHECK	APM		


**SUMMARY OF SW3P DEVICES**

SW3P PHASE	SHEET X OF X	0506-6002	0506-6011	0506-6020	0506-6024	0506-6038	0506-6039	0506-6041	0506-6043
		ROCK FILTER DAMS (INSTALL) (TY 2) LF	ROCK FILTER DAMS (REMOVE) LF	CONSTR EXITS (INSTALL) (TY 1) SY	CONSTR EXITS (REMOVE) SY	TEMP SEDMT CONT FENCE (INSTALL) LF	TEMP SEDMT CONT FENCE (REMOVE) LF	BIODEG EROSN CONT LOGS (IN STL) (12") LF	BIODEG EROSN CONT LOGS (REMOVE) LF
PHASE 1	1 OF 12			78	78	150	150	65	65
PHASE 1	2 OF 12					225	225	125	125
PHASE 1	3 OF 12					200	200	80	80
PHASE 1	4 OF 12					225	225	140	140
PHASE 1	5 OF 12	20	20			200	200	140	140
PHASE 1	6 OF 12	20	20	78	78	200	200	125	125
PHASE 1	7 OF 12	20	20			200	200	110	110
PHASE 1	8 OF 12	20	20			375	375	250	250
PHASE 1	9 OF 12					300	300	185	185
PHASE 1	10 OF 12					200	200	130	130
PHASE 1	11 OF 12	20	20	78	78	125	125	55	55
PHASE 1	12 OF 12					75	75	30	30
PHASE 2	1 OF 12			78	78	372	372	35	35
PHASE 2	2 OF 12					125	125	55	55
PHASE 2	3 OF 12					675	675	100	100
PHASE 2	4 OF 12					1210	1210	150	150
PHASE 2	5 OF 12					1203	1203	125	125
PHASE 2	6 OF 12			78	78	1157	1157	75	76
PHASE 2	7 OF 12					931	931	60	60
PHASE 2	8 OF 12					1252	1252	30	30
PHASE 2	9 OF 12					1313	1313	65	65
PHASE 2	10 OF 12					1298	1298	140	140
PHASE 2	11 OF 12			78	78	714	714	110	110
PHASE 2	12 OF 12					306	306	20	20
<b>PROJECT TOTAL</b>		<b>100</b>	<b>100</b>	<b>468</b>	<b>468</b>	<b>13,031</b>	<b>13,031</b>	<b>2,400</b>	<b>2,401</b>

**SUMMARY OF COMPOST, SEEDING, & SOD ITEMS**

SOD LAYOUT SHEET X OF 6	0161-6017 COMPOST MANUF TOPSOIL (4") SY	0162-6002 BLOCK SODDING SY	0164-6041 DRILL SEEDING (TEMP) (WARM) SY	0164-6043 DRILL SEEDING (TEMP) (COOL) SY	0168-6001 VEGETATIVE WATERING for all perm MG	0168-6001 VEGETATIVE WATERING for temp MG	0730-6002 FULL WIDTH MOWING AC
1	10,719	10,719	5,360	5,360	399	17	13.3
2	13,864	13,864	6,932	6,932	516	22	8.6
3	15,466	15,466	7,733	7,733	575	24	9.6
4	16,504	16,504	8,252	8,252	614	26	10.2
5	17,009	17,009	8,505	8,505	633	26	10.5
6	13,752	13,752	6,876	6,876	512	22	8.5
<b>PROJECT TOTAL</b>	<b>87,314</b>	<b>87,314</b>	<b>43,657</b>	<b>43,657</b>	<b>3,249</b>	<b>137</b>	<b>60.7</b>

NOTES:  
 \*SEE BASIS OF ESTIMATE FOR RATES.  
 -VEGETATIVE WATERING QUANTITY ESTIMATED FOR TEMPORARY SEEDING IS BASED ON COOL SEASON ONLY.  
 -MOWING QUANTITY ESTIMATED BASED ON BLOCK SODDING AREA X 3 CYCLES/YEAR X 2 YEARS.



**FM 2514**  
**SUMMARY OF SW3P ITEMS**

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>21</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/17/2017 TIME: 7:35:08 AM  
 FILE: c:\pdxdot\pdx\onl\ine\txdot5\vrachae.l.twi\ggs\dms84377\SW3P\_SUMM.dgn

**TCP GENERAL NOTES:**

1. SOME ITEMS IN THE SEQUENCE OF WORK MAY BE PERFORMED CONCURRENTLY. A SIGNIFICANT DEVIATION FROM THE SEQUENCE OF WORK WILL REQUIRE APPROVAL FROM THE ENGINEER.
2. STATION LIMITS IN THE SEQUENCE OF WORK ARE APPROXIMATE. LIMITS SHOWN ARE TO ALLOW FOR THE MAINTENANCE OF DRAINAGE DURING CONSTRUCTION AND RELOCATION OF UTILITIES.
3. MAINTAIN DRAINAGE THROUGHOUT THE PROJECT LIMITS, DURING ALL PHASES OF CONSTRUCTION, IN ORDER TO AVOID CREATING HAZARDOUS ROAD CONDITIONS AND FLOODING OF PROPERTIES ADJACENT TO THE PROJECT AREA. ALL TEMPORARY REROUTING OF SURFACE RUNOFF WILL BE THE CONTRACTOR'S RESPONSIBILITY AND NO ADDITIONAL COMPENSATION WILL BE MADE.
4. ACCESS DRIVEWAYS SHALL BE MAINTAINED AND OPENED DURING ALL PHASES OF CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE ENGINEER. COORDINATE WITH LANDOWNERS TO PROVIDE AND MAINTAIN ACCESS TO PROPERTY. ACCESS LOCATIONS MAY BE CONSOLIDATED OR RELOCATED IF LANDOWNERS ARE AGREEABLE. PAVING OPERATIONS MAY NEED TO BE FURTHER PHASED TO MAINTAIN ACCESS. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
5. ALL EXISTING WARNING, REGULATORY, AND GUIDE SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION ON APPROVED MOUNTS AT THE CONTRACTOR'S EXPENSE. EXISTING SIGNS ON THE PROJECT TO BE REMOVED MAY BE REQUIRED DURING VARIOUS PHASES OF THE TCP. SIGNS TO BE USED WILL BE AS DIRECTED BY THE ENGINEER. EXISTING SIGNS ARE TO BE PLACED ON SKIDS DURING CONSTRUCTION. THIS WILL BE CONSIDERED SUBSIDIARY TO ITEM 502.
6. WORK ZONE REGULATORY AND WARNING SIGNS SHALL MEET THE MINIMUM SIZE REQUIREMENTS FOR CONVENTIONAL ROADS UNLESS OTHERWISE INDICATED IN THE PLANS.
7. EXISTING PAVEMENT MARKINGS CONFLICTING WITH WORK ZONE PAVEMENT MARKINGS WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.
8. DRUMS SHALL BE USED AS THE PRIMARY CHANNELIZING DEVICE. VERTICAL PANELS MAY BE USED WHERE PAVEMENT WIDTH IS LIMITED.
9. DURING ONE-WAY OPERATIONS, STATION FLAGGERS AT ALL COUNTY ROADS, CITY STREETS AND ANY OTHER LOCATIONS, SUCH AS PRIVATE BUSINESSES, THAT MAY HAVE TRAFFIC ENTERING THE WORK AREA.
10. PLACE SIGNS AND CHANNELIZING DEVICES IN ACCORDANCE WITH THE "TREATMENT FOR VARIOUS EDGE CONDITIONS" WHEN TRAFFIC IS WITHIN 30 FEET OF THE EDGE CONDITION INDICATED. WHERE POSSIBLE, PROVIDE AN EDGE SLOPE TO THAT OF PREFERABLE EDGE CONDITION 1 WHEN OPERATIONS HAVE CEASED FOR THE DAY. "SHOULDER DROP-OFF SIGNS SHALL BE IN PLACE AT ALL TIMES WHERE THE EDGE HEIGHT IS GREATER THAN 2".
11. PROVIDE CONSTRUCTION FENCING AS APPROVED AT ALL WORK LOCATIONS TO PROTECT PEDESTRIAN OR BICYCLE TRAFFIC. THIS MATERIAL AND ITS PLACEMENT WILL BE CONSIDERED SUBSIDIARY TO ITEM 502.
12. PROVIDE TEMPORARY PAVEMENT TO TRANSITION BETWEEN EXISTING PAVEMENT AND PROPOSED PAVEMENT CONSTRUCTION IN ALL APPLICABLE INTERSECTIONS.

**PHASE 1:**

DURING PHASE 1, TRAFFIC REMAINS ON THE EXISTING ROADBED FOR A MAJORITY OF THE PHASING AND THE PROPOSED WESTBOUND ROADBED IS CONSTRUCTED.

-SEQUENCE OF WORK-

1. ERECT PROJECT LIMIT BARRICADES IN ACCORDANCE WITH STANDARD BC(2), APPLICABLE TXDOT TCP STANDARDS AND AS DIRECTED BY THE ENGINEER.
2. INSTALL SW3P DEVICES AS DIRECTED.
3. INSTALL TEMPORARY TRAFFIC SIGNALS AT THE FM 2514 AND MCCREARY RD INTERSECTION.
4. CONSTRUCT MUDDY CREEK BRIDGE, SEE BRIDGE TYPICAL SECTIONS FOR STAGED CONSTRUCTION DETAILS.
5. REMOVE & REPLACE STRUCTURE NO. 1, SEE DETOUR-INSTALL STRUCTURE NO. 1 FOR MORE INFORMATION AND DETAILS.

MILESTONE 1 →

**PHASE 1A - STEP A:**

SHIFT TRAFFIC FROM STA 368+65 TO STA 396+50 IN ACCORDANCE WITH STANDARD TCP (2-1). WIDEN EXISTING PAVEMENT (CONSTRUCTION DETOUR) FROM STA 371+60 TO STA 396+00.

**PHASE 1A - STEP B:**

UPON COMPLETION OF STEP B, SHIFT TRAFFIC FROM STA 371+60 TO STA 396+00 IN ACCORDANCE WITH STANDARD TCP (2-3). CONSTRUCT CONCRETE PAVEMENT FROM STA 373+00 TO STA 485+00.

**PHASE 1B:**

UPON COMPLETION OF PHASE 1A, PLACE WORK ZONE SIGNING AND STRIPING AS SHOWN AT THE BEGIN AND END PROJECT LIMITS.

- CONSTRUCT CONCRETE PAVEMENT FROM STA 366+34.5 TO STA 373+00.
- CONSTRUCT CONCRETE PAVEMENT FROM STA 485+00 TO STA 490+50.

**PHASE 1C:**

UPON COMPLETION OF PHASE 1B, PLACE WORK ZONE SIGNING AND STRIPING AS SHOWN AND SHIFT WESTBOUND TRAFFIC TO NEW ROADBED.

- CONSTRUCT REMAINDER OF WESTBOUND CONCRETE PAVEMENT AT THE BEGIN PROJECT LIMITS.
- PLACE TEMPORARY PAVEMENT AS SHOWN.

**PHASE 2:**

DURING PHASE 2, TRAFFIC IS SHIFTED TO THE NEWLY CONSTRUCTED PAVEMENT AND THE PROPOSED EASTBOUND ROADBED IS CONSTRUCTED.

-SEQUENCE OF WORK-

1. INSTALL SW3P DEVICES AS DIRECTED.

**PHASE 2A:**

UPON COMPLETION OF PHASE 1, PLACE WORK ZONE SIGNING AND STRIPING AS SHOWN AND SHIFT EASTBOUND TRAFFIC TO NEW ROADBED.

- REMOVE EXISTING PAVEMENT AND EXISTING MUDDY CREEK BRIDGE.
- CONSTRUCT CONCRETE PAVEMENT FROM STA 369+04 TO STA 490+50.
- CONSTRUCT THE REMAINDER OF MUDDY CREEK BRIDGE.
- CONSTRUCT RETAINING WALL AT STRUCTURE NO 2.
- CONSTRUCT THE MCCREARY RD INTERSECTION USING STAGED CONSTRUCTION.
- INSTALL PERMANENT TRAFFIC SIGNALS AT THE FM 2514 AND MCCREARY RD INTERSECTION.

**PHASE 2B:**

UPON COMPLETION OF PHASE 2A, CONSTRUCT CONCRETE PAVEMENT FROM STA 366+34.5 TO STA 369+04.

**PHASE 3:**

DURING PHASE 3, EASTBOUND TRAFFIC IS SHIFTED TO THE NEWLY CONSTRUCTED EASTBOUND ROADBED AND ALL REMAINING ITEMS OF WORK ARE COMPLETED.

-SEQUENCE OF WORK-

1. UPON COMPLETION OF PHASE 2, PLACE PERMANENT SIGNING AND PAVEMENT MARKINGS. OPEN EASTBOUND ROADBED TO TRAFFIC.
2. COMPLETE CONSTRUCTION OF CONCRETE PAVEMENT FROM STA 366+34.5 TO STA 369+04.
3. COMPLETE CONSTRUCTION OF MEDIAN OPENINGS. LANES ADJACENT TO MEDIAN WORK SHALL BE CLOSED IN ACCORDANCE WITH STANDARD TCP (2-5).
4. COMPLETE ANY REMAINING WORK USING DAILY LANE CLOSURES IN ACCORDANCE WITH STANDARD TCP (1-4).
5. FINAL CLEAN UP.

**PRELIMINARY**

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P.E. 116804

ON: 3/16/2017

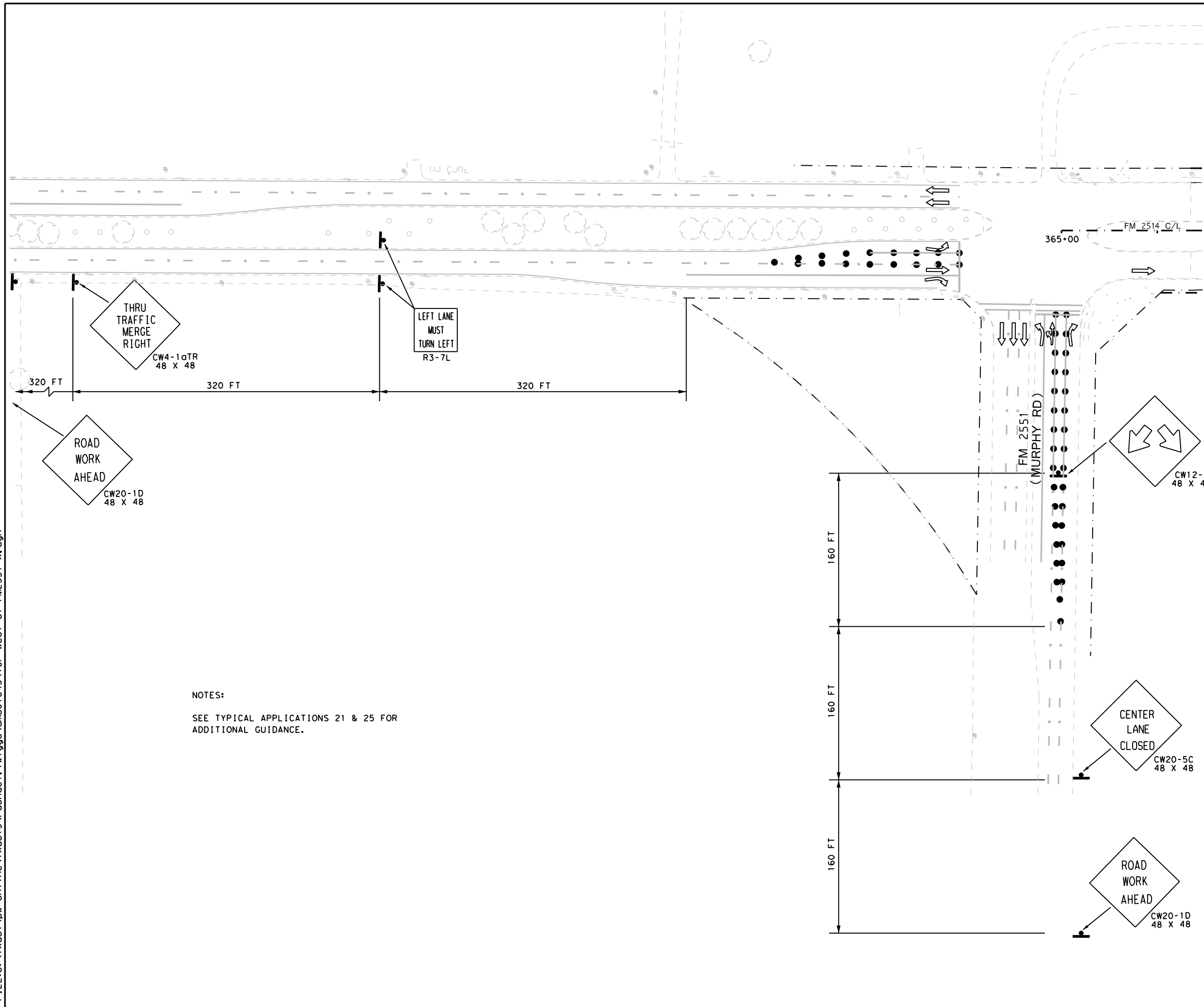
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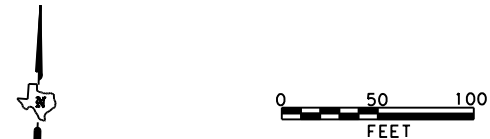
**FM 2514  
TRAFFIC CONTROL PLAN  
NARRATIVE**

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	22
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 3:55:55 PM  
 FILE: c:\pdxdot\dwg\online\ine\txdot\5\rachael.twi\ggs\dms07843\TCP West of FM2551 A.dgn



NOTES:  
 SEE TYPICAL APPLICATIONS 21 & 25 FOR  
 ADDITIONAL GUIDANCE.



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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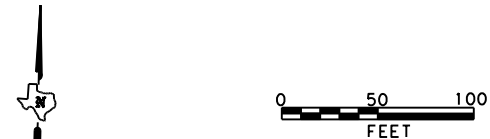
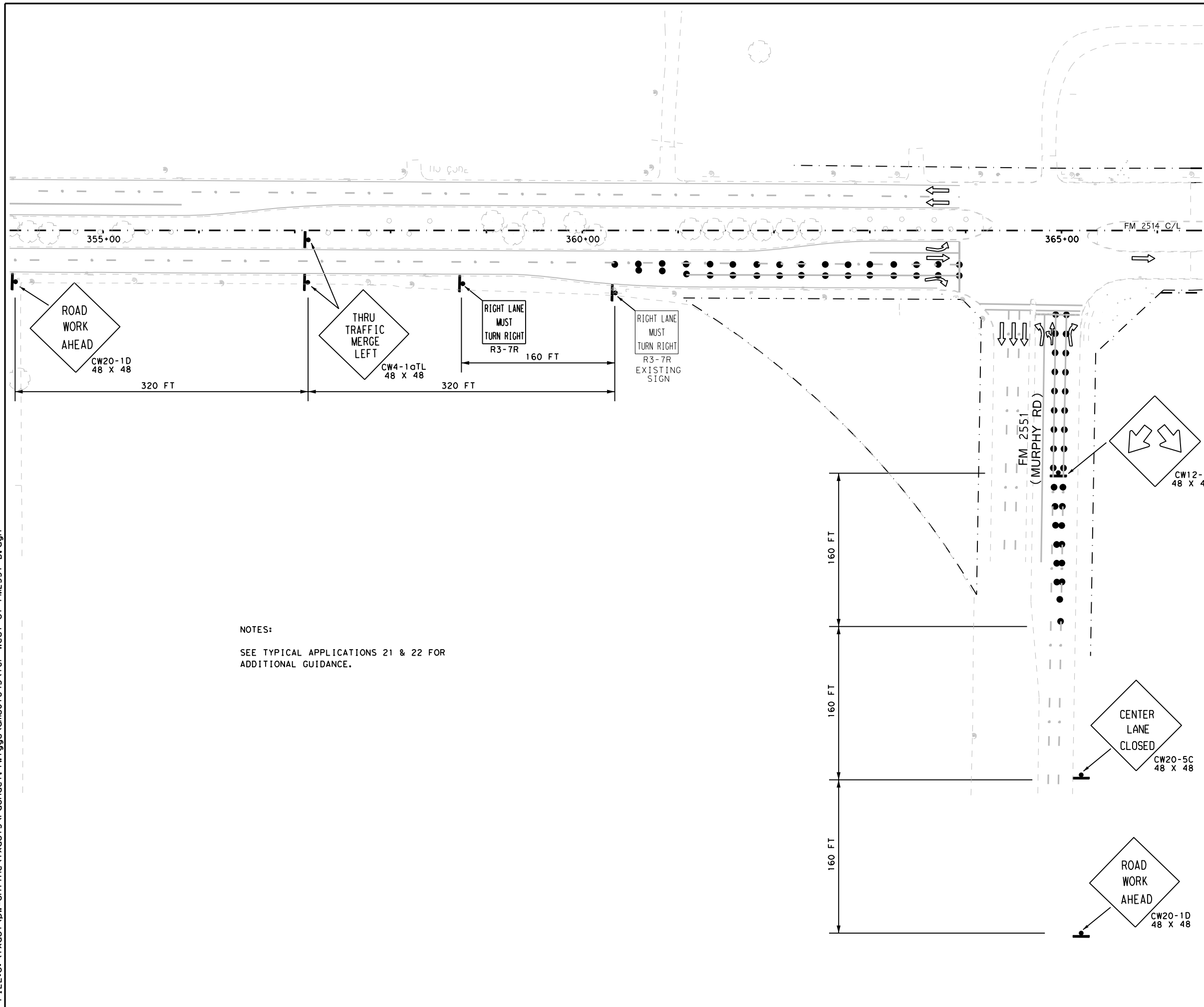


**FM 2514  
 TRAFFIC CONTROL PLAN  
 at the FM 2551 Intersection  
 (for inside thru lane closed)**

SCALE: 1"=100' SHEET 1 OF 2

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	23
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 3:56:19 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\dms07843\TCP West of FM2551 B.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

NOTES:  
 SEE TYPICAL APPLICATIONS 21 & 22 FOR ADDITIONAL GUIDANCE.

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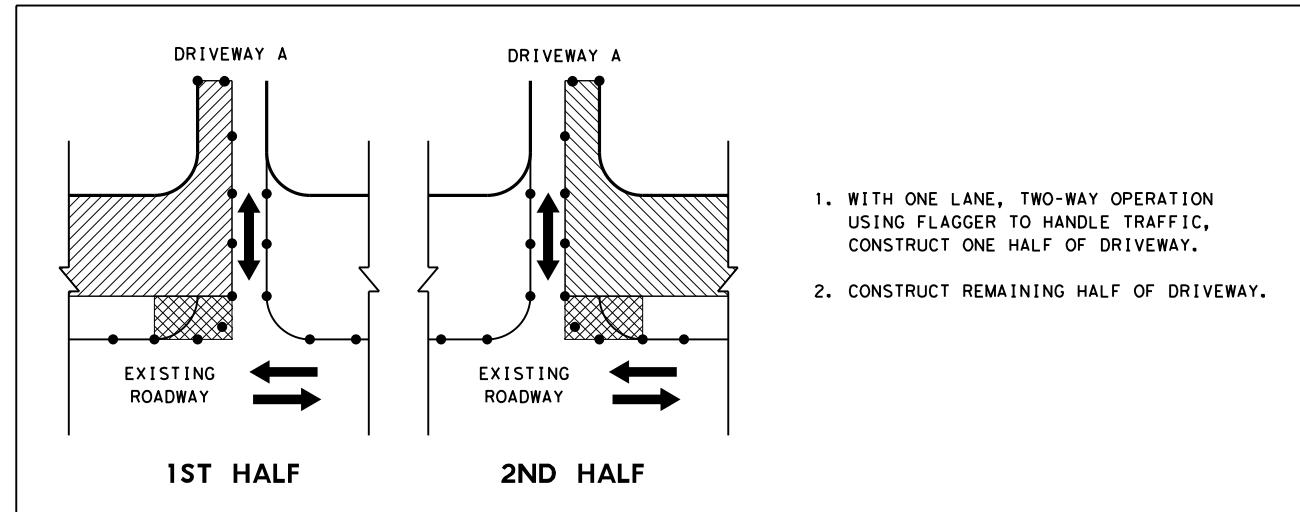


**FM 2514  
 TRAFFIC CONTROL PLAN  
 at the FM 2551 Intersection  
 (for outside thru lane closed)**

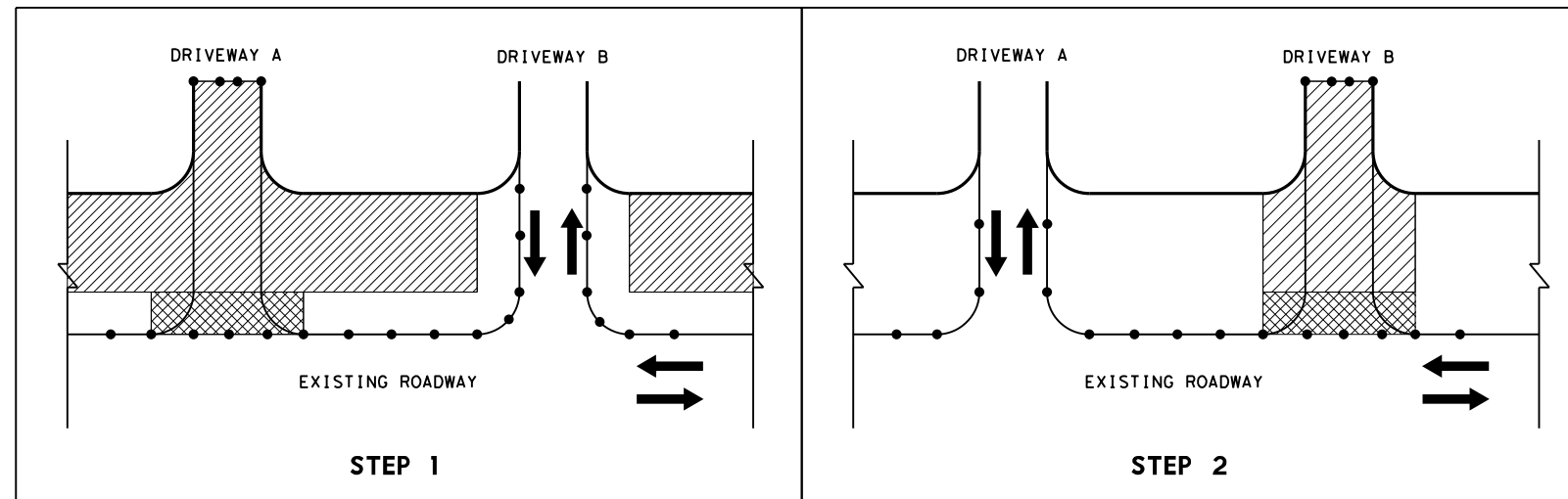
SCALE: 1"=100' SHEET 2 OF 2

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 24
CHECK	CONTROL 2679	SECTION 02	JOB 008	

**CONSTRUCTION SEQUENCE FOR SINGLE ACCESS DRIVEWAYS**



**CONSTRUCTION SEQUENCE FOR MULTIPLE ACCESS DRIVEWAYS**



**NOTES:**

USE 10' MINIMUM LANE WIDTHS FOR DRIVEWAY CONSTRUCTION.

TEMPORARY PAVEMENT AS NEEDED TO FACILITATE ACCESS ACROSS THE CONSTRUCTION AREA. THIS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

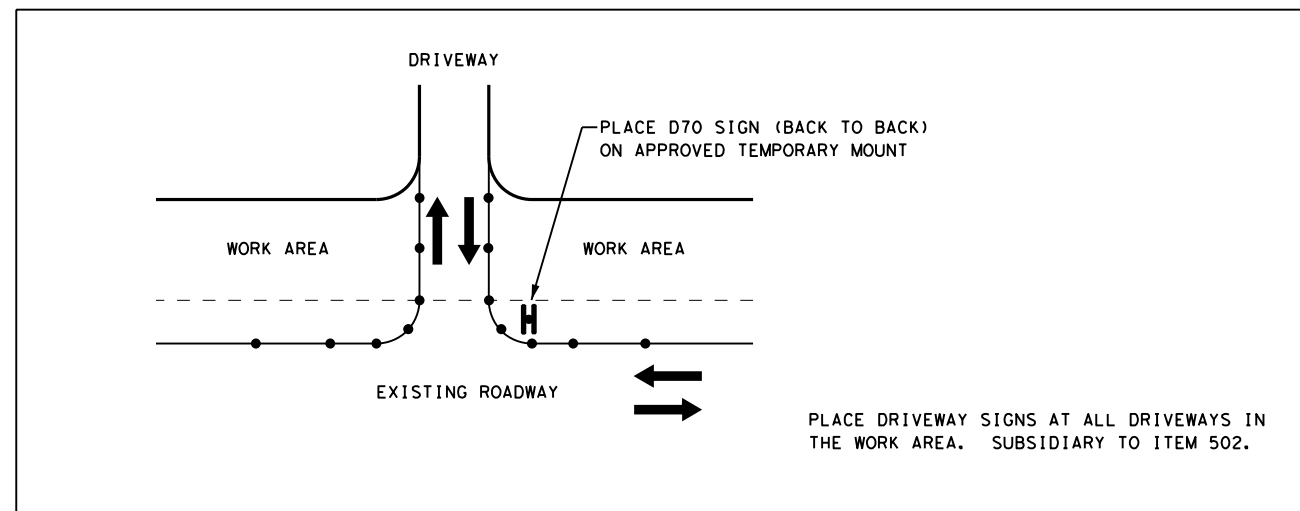
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ON: 3/16/2017

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**TYPICAL LOCATION OF DRIVEWAY SIGN**



DATE: 3/16/2017 TIME: 3:56:33 PM

FILE: c:\pwworking\dwg\on\line\txdot\5\vrachae.l.twi\ggs\dms07843\TCP\_MISC\_DETAILS.dgn



**FM 2514  
TRAFFIC CONTROL PLAN  
MISCELLANEOUS DETAILS**

SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 25
CHECK	CONTROL 2679	SECTION 02	JOB 008	

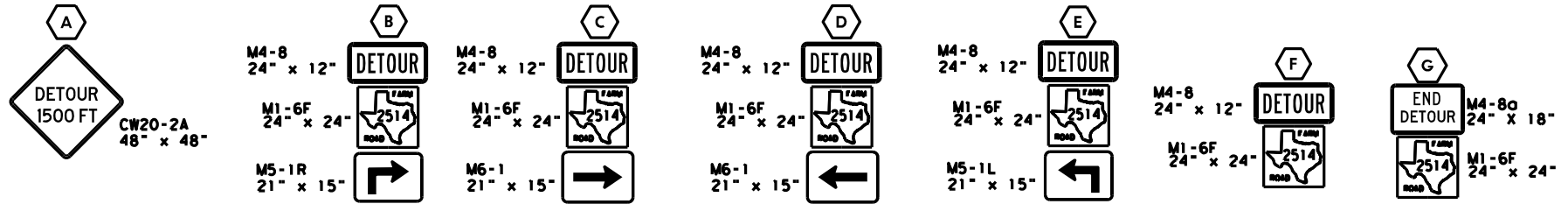
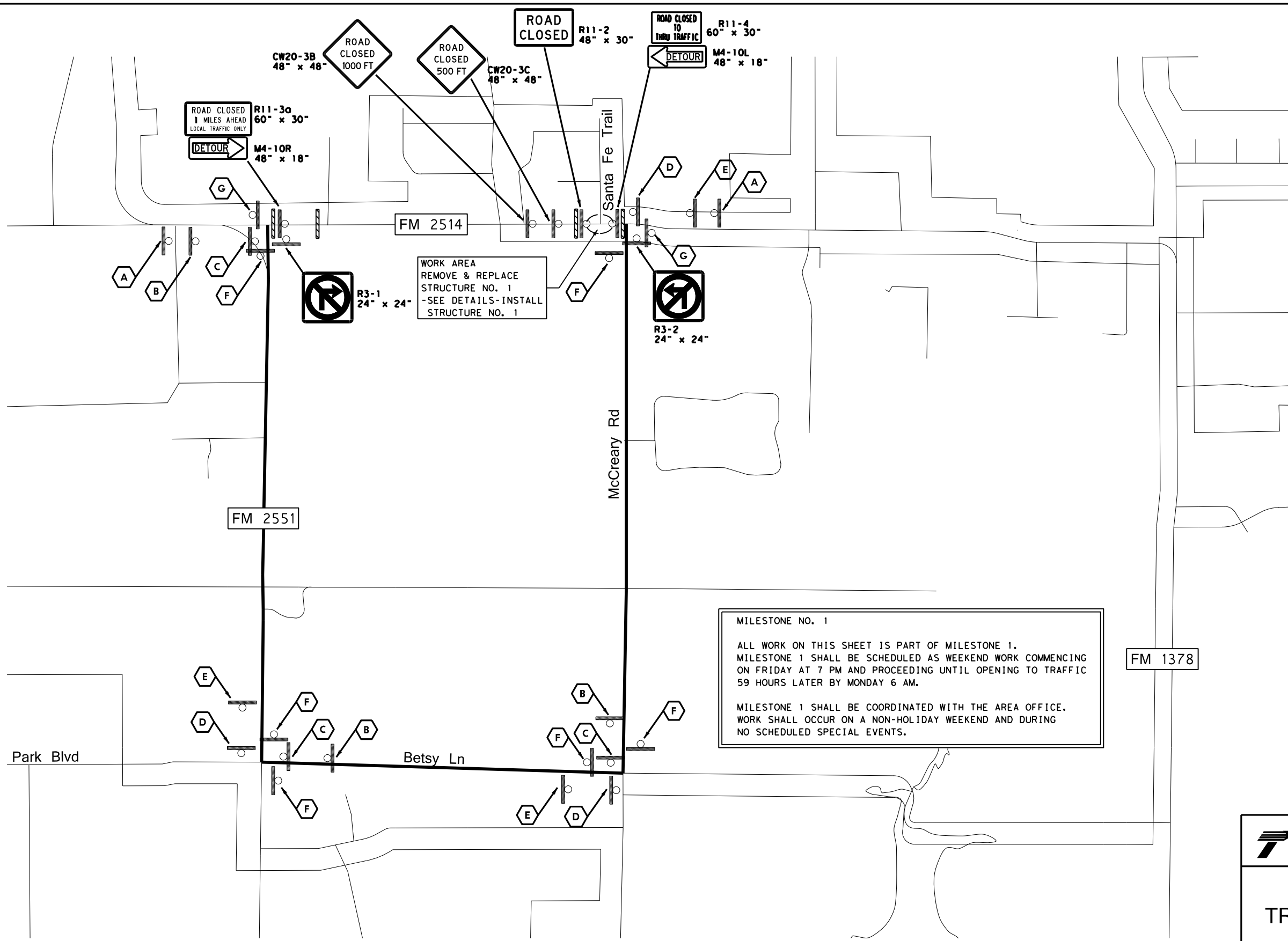
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NOTES:  
 SEE STANDARD WZ(RCD)-13 FOR SIGN SPACING AND ADDITIONAL ROAD CLOSURE GUIDANCE.  
 SEE ALSO STANDARD BC(10)-14 FOR TYPE 3 BARRICADE TYPICAL APPLICATION.

**PLANS ADEQUATE FOR UTILITY ADJUSTMENT**  
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 P.E. # 116804  
 ON: 7/22/16  
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**MILESTONE NO. 1**  
 ALL WORK ON THIS SHEET IS PART OF MILESTONE 1. MILESTONE 1 SHALL BE SCHEDULED AS WEEKEND WORK COMMENCING ON FRIDAY AT 7 PM AND PROCEEDING UNTIL OPENING TO TRAFFIC 59 HOURS LATER BY MONDAY 6 AM.  
 MILESTONE 1 SHALL BE COORDINATED WITH THE AREA OFFICE. WORK SHALL OCCUR ON A NON-HOLIDAY WEEKEND AND DURING NO SCHEDULED SPECIAL EVENTS.



**Texas Department of Transportation**  
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1  
 Detour-Install Structure No. 1**

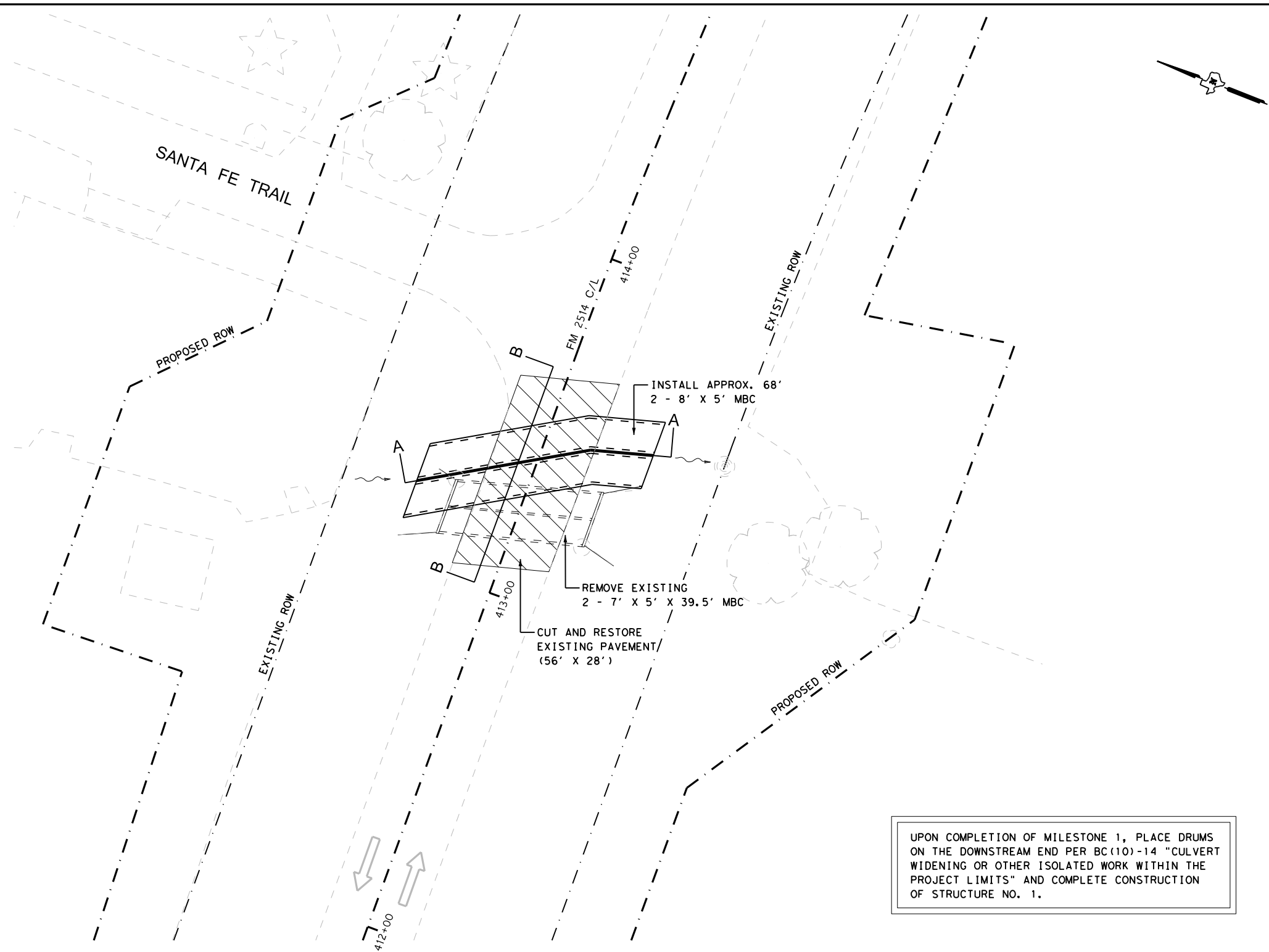
NTS SHEET 2 OF 2

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	26
CHECK	CONTROL	SECTION	JOB	
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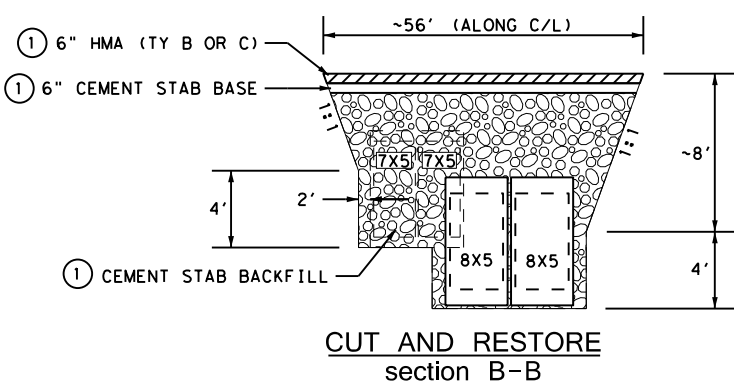
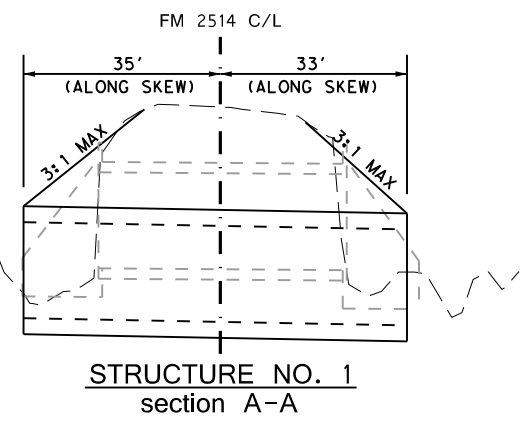


DATE: 3/16/2017 TIME: 3:57:07 PM

FILE: c:\pdxdot\dwg\online\txdot\5\rachoe\l.\twigg\dm\07843\Structure 1 TCP details.dgn



UPON COMPLETION OF MILESTONE 1, PLACE DRUMS ON THE DOWNSTREAM END PER BC(10)-14 "CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS" AND COMPLETE CONSTRUCTION OF STRUCTURE NO. 1.



- NOTES:
- SEE ALSO DETOUR-INSTALL STRUCTURE NO. 1.
  - EXISTING PAVEMENT TO BE CUT AND RESTORED SHALL BE SAWCUT.
  - ITEM 403, SHORING PROTECTION REQUIRED (68' X 12' X 2 SIDES).
  - QUANTITIES ESTIMATED BASED ON LIMITS SHOWN. ITEMS TO BE INSTALLED IN ACCORDANCE WITH TXDOT SPECIFICATIONS.
  - ① ITEM SUBSIDIARY TO ITEM 400, "CUTTING AND RESTORING PAVEMENT".

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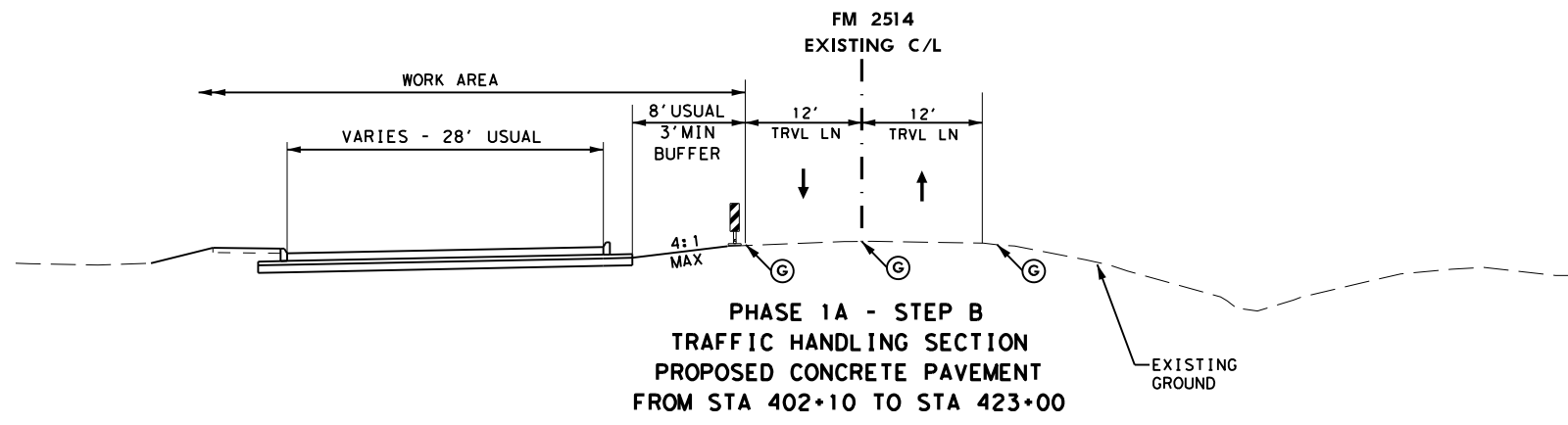
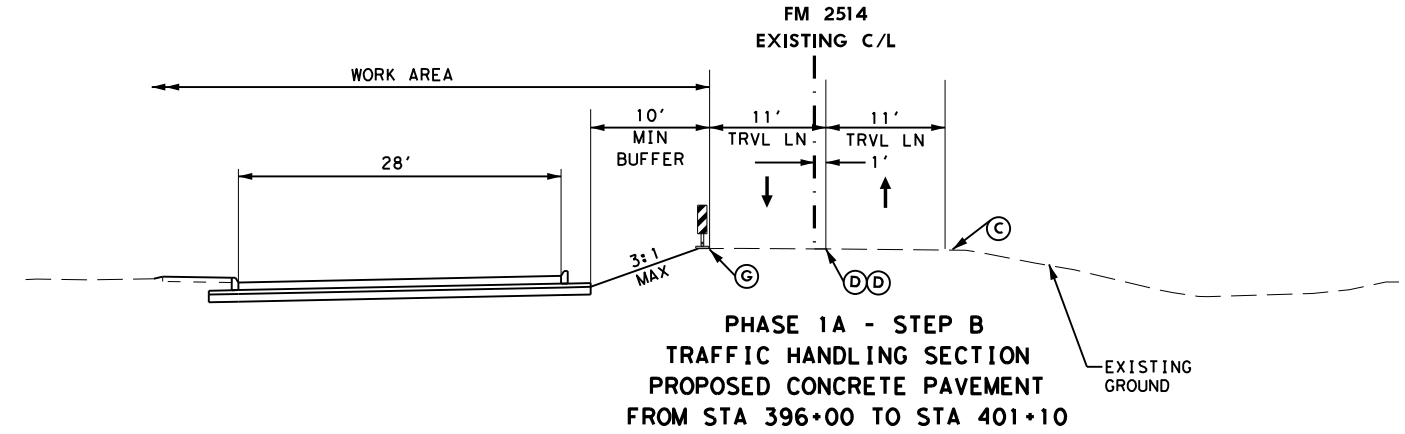
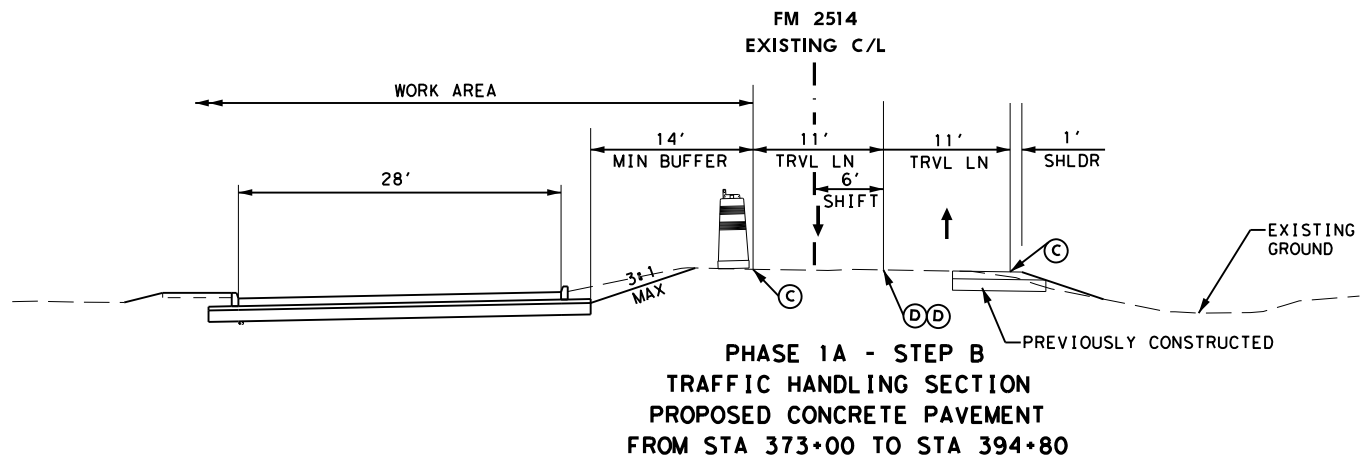
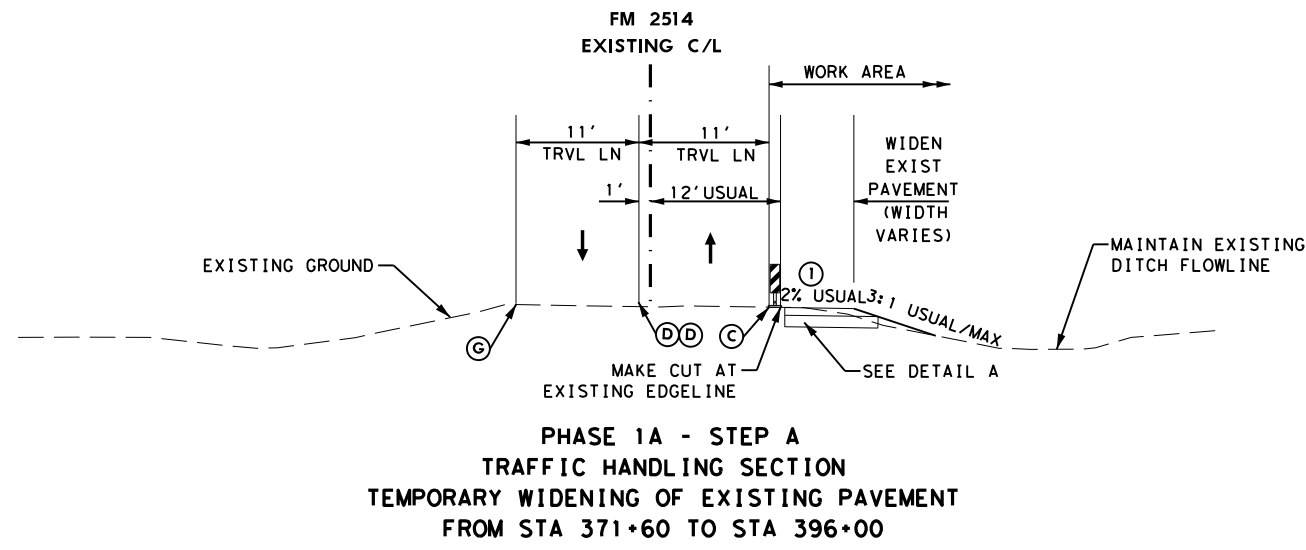
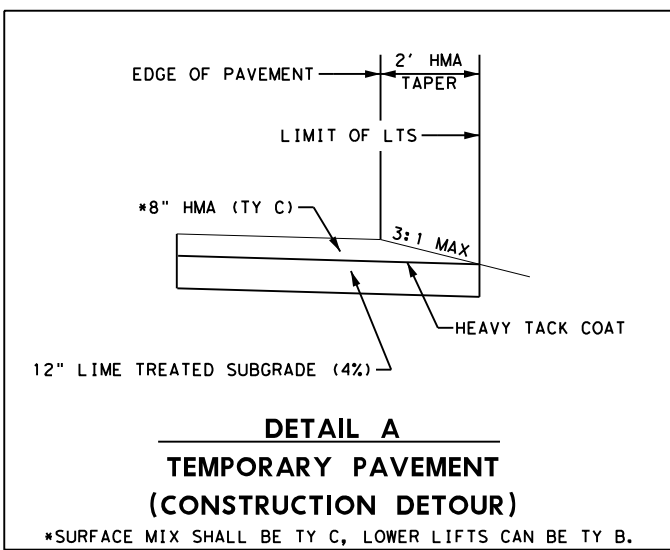


FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1  
Details-Install Structure No. 1

NTS SHEET 1 OF 2

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 27
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 3:57:53 PM  
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- TCP LEGEND**
- (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (G) EXIST PAV MRK

**NOTES:**  
 (1) MATCH EXISTING CROSS SLOPE.

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**FM 2514**  
**TRAFFIC CONTROL PLAN**  
**PHASE 1**  
**TYPICAL SECTIONS**

SHEET 1 OF 3

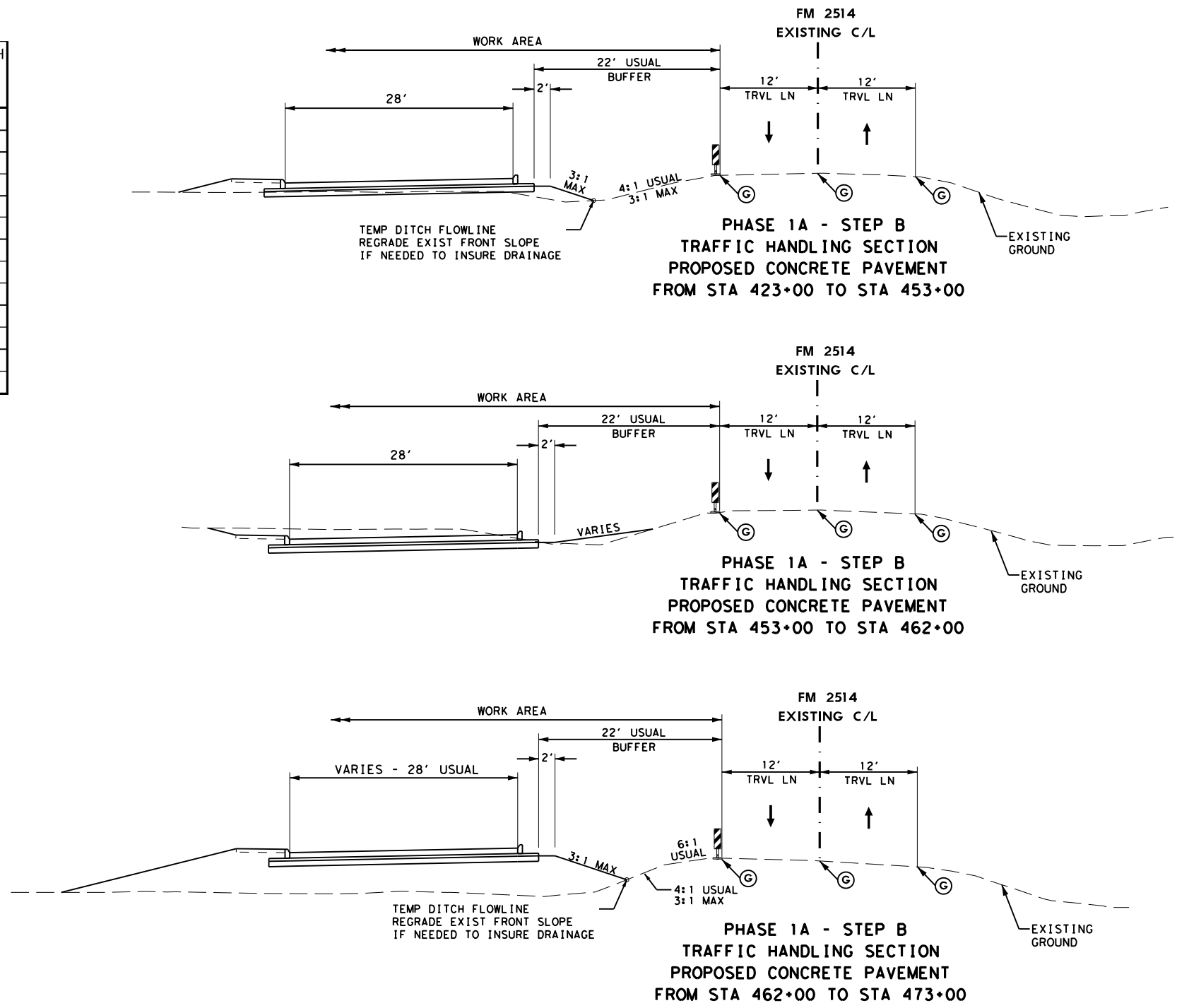
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GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	28
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 3:58:05 PM  
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STATION	TEMP DITCH FLOWLINE ELEV	STATION	TEMP DITCH FLOWLINE ELEV
423+00	570.03	462+00	552.93
424+00	569.25	463+00	552.37
425+00	568.49	464+00	551.73
426+00	568.17	465+00	550.99
427+00	567.30	466+00	550.40
428+00	566.67	467+00	549.30
429+00	566.20	468+00	548.80
430+00	565.53	469+00	547.90
431+00	564.75	470+00	547.20
432+00	563.98	471+00	546.49
433+00	563.56	471+65	546.33
434+00	562.32	472+00	546.43
435+00	561.60	473+00	546.73
436+00	561.30		
437+00	560.70		
438+00	560.40		
439+00	560.10		
440+00	559.80		
441+00	559.50		
442+00	560.25		
443+00	560.62		
444+00	560.00		
445+00	Stinson Rd		
446+00	560.64		
447+00	561.68		
448+00	561.83		
449+00	562.24		
450+00	562.50		
451+00	562.64		
452+00	562.74		
453+00	562.87		

TCP LEGEND

- (A) WZ PAV MRK NON REM (W) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)



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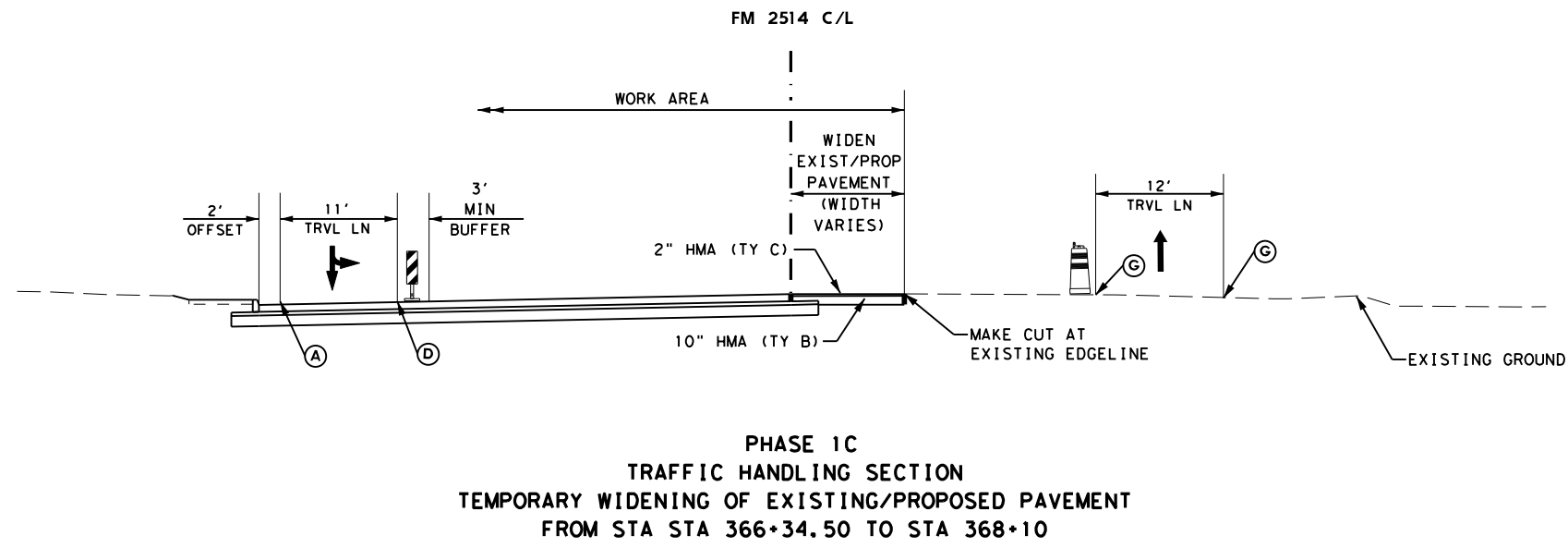
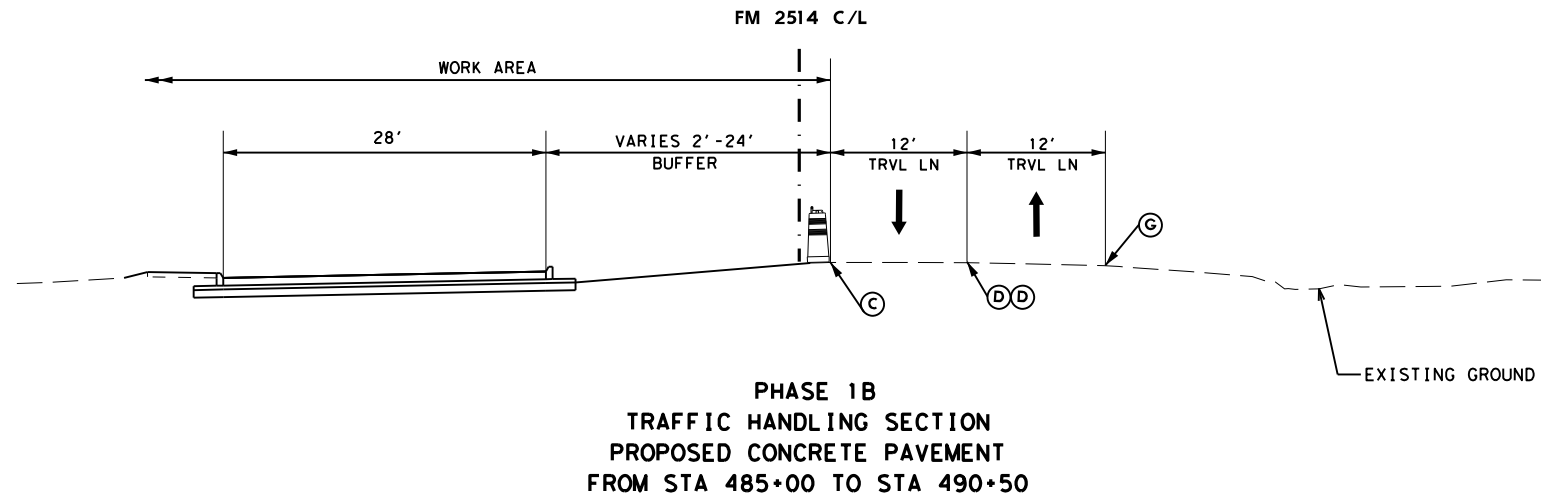
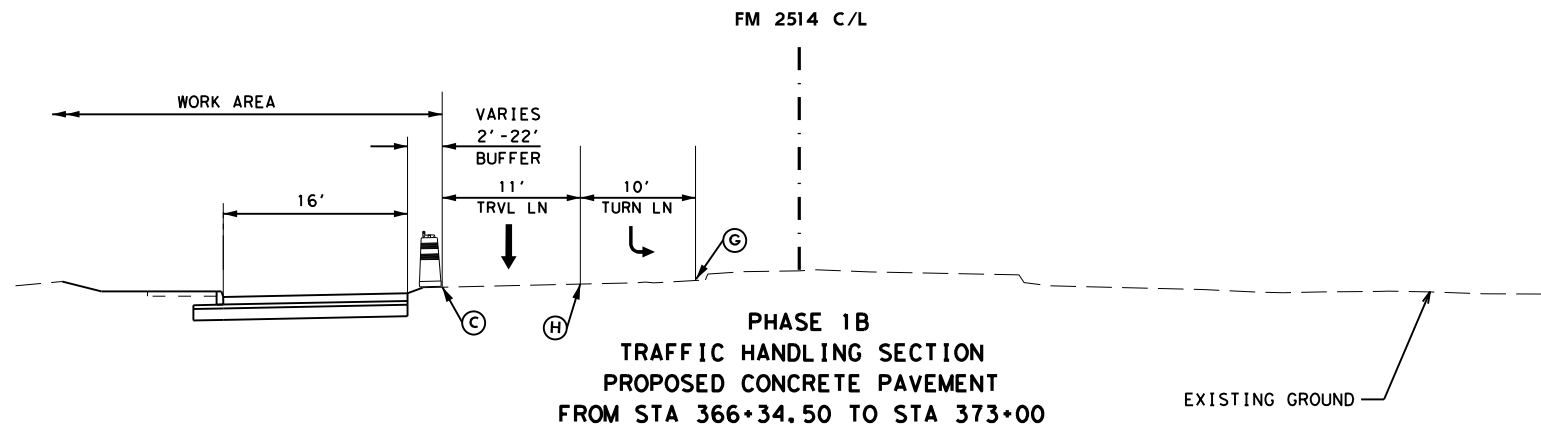
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FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1  
 TYPICAL SECTIONS

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	29
	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 3:58:19 PM  
 FILE: c:\pdxdot\dwg\online\ine\tdot5\vrachae\l\fw\ggs\d0120008\tcp PH 1 TYPICAL\_SECTION\*3.dgn



TCP LEGEND

- (A) WZ PAV MRK NON REM (W) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

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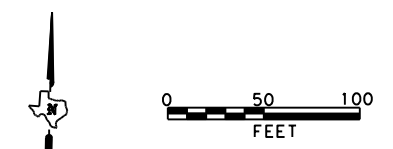


FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1  
 TYPICAL SECTIONS

N. T. S.		SHEET 3 OF 3	
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET	
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN
CHECK	CONTROL	SECTION 02	JOB 008
			HIGHWAY NO. FM2514
			SHEET NO. 30

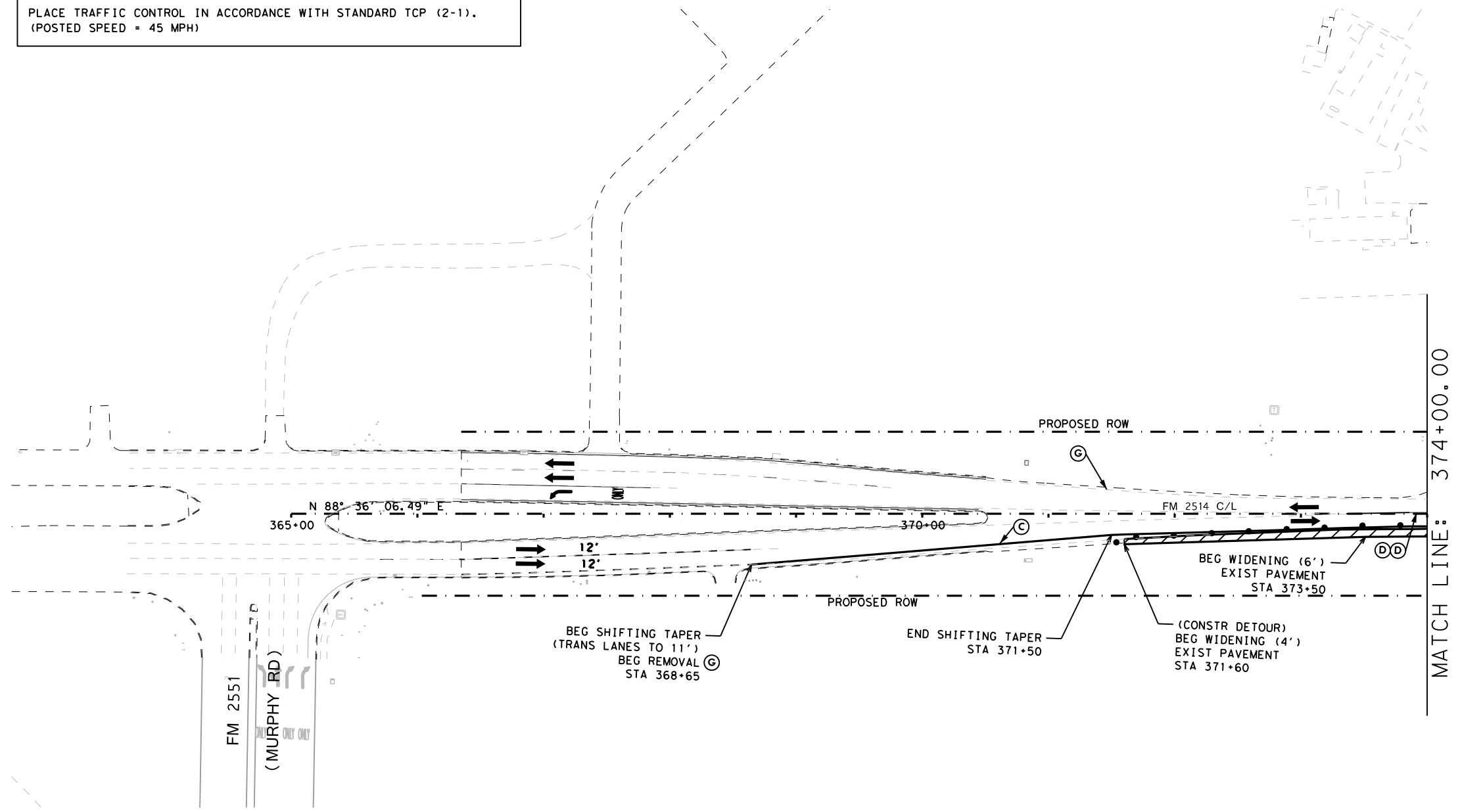
DATE: 3/16/2017 TIME: 3:59:06 PM  
 FILE: c:\pdxdot\dwg\online\line\txdot\5\vrachae.l...twigggs\d0118551\tcp PH 1 LAYOUT 1.dgn

PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-1).  
 (POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)



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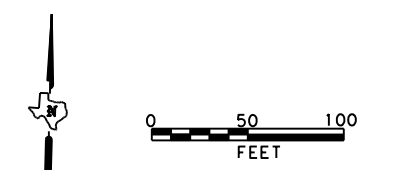
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP A**

SCALE: 1"=100' SHEET 1 OF 4

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	31
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

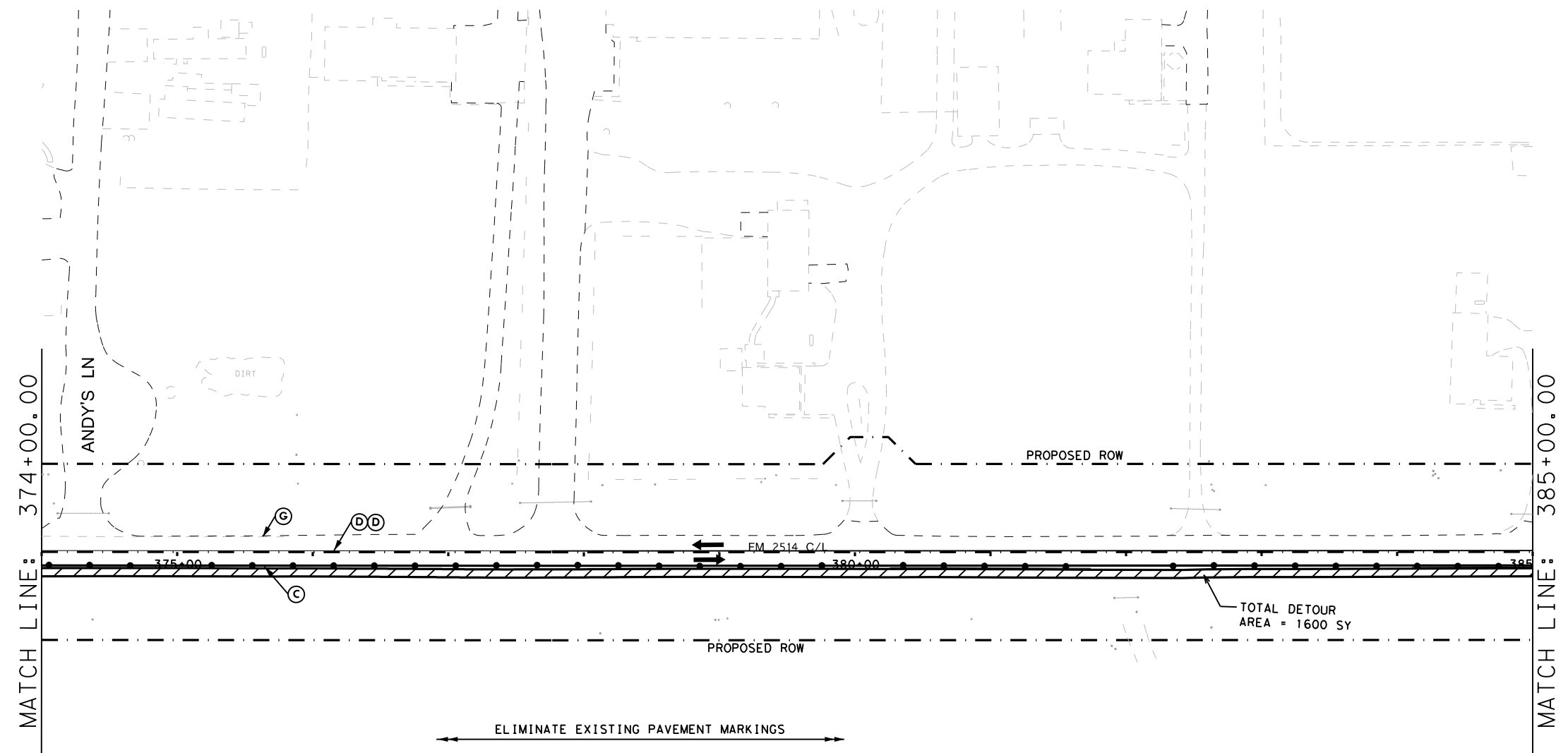
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PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-1).  
 (POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)



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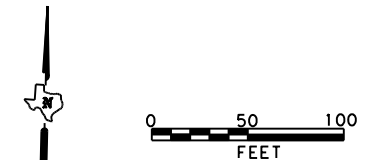
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP A**

SCALE: 1"=100' SHEET 2 OF 4

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 32
CHECK	CONTROL 2679	SECTION 02	JOB 008	

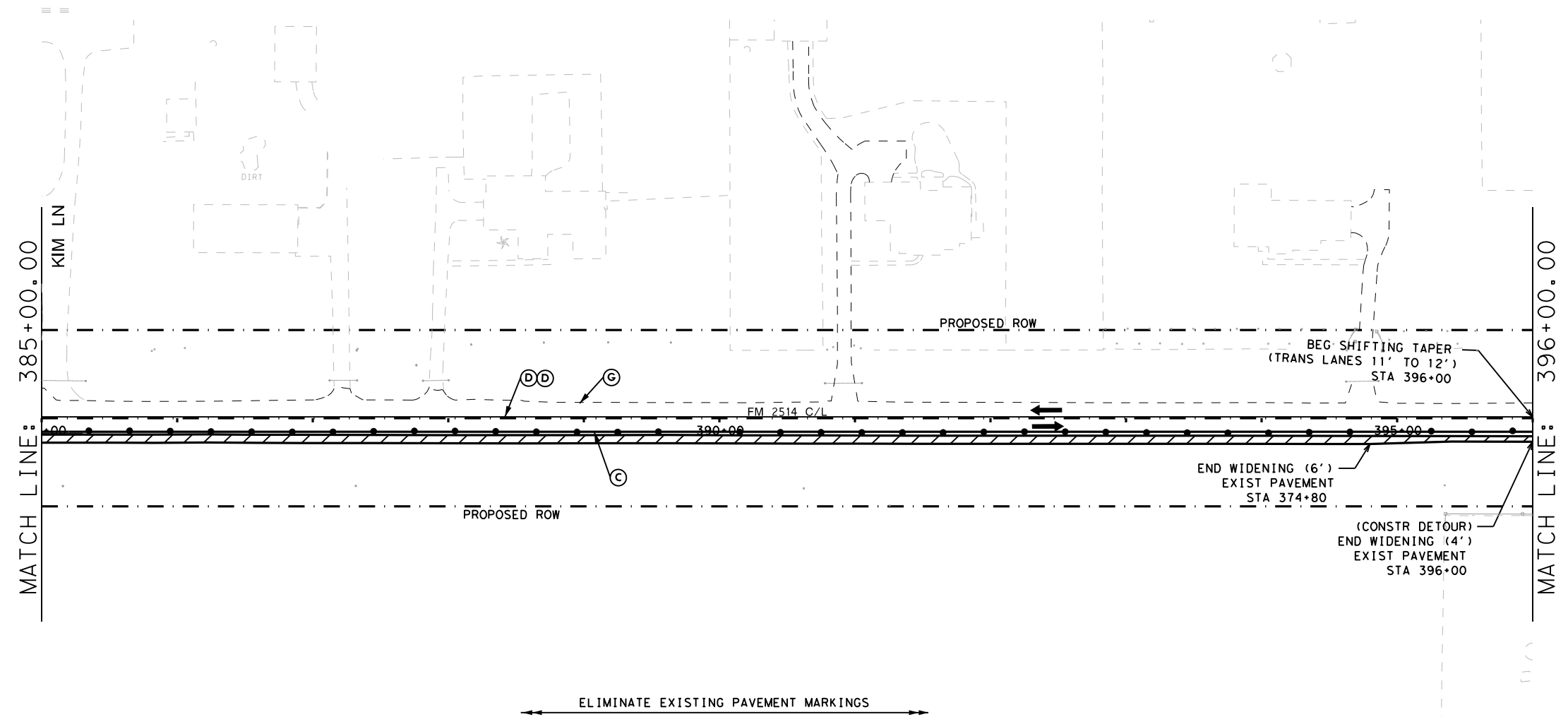
DATE: 3/16/2017 TIME: 3:59:29 PM  
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PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-1).  
 (POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)



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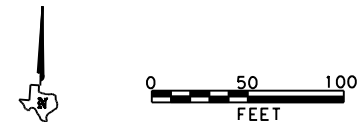


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP A**

SCALE: 1"=100' SHEET 3 OF 4

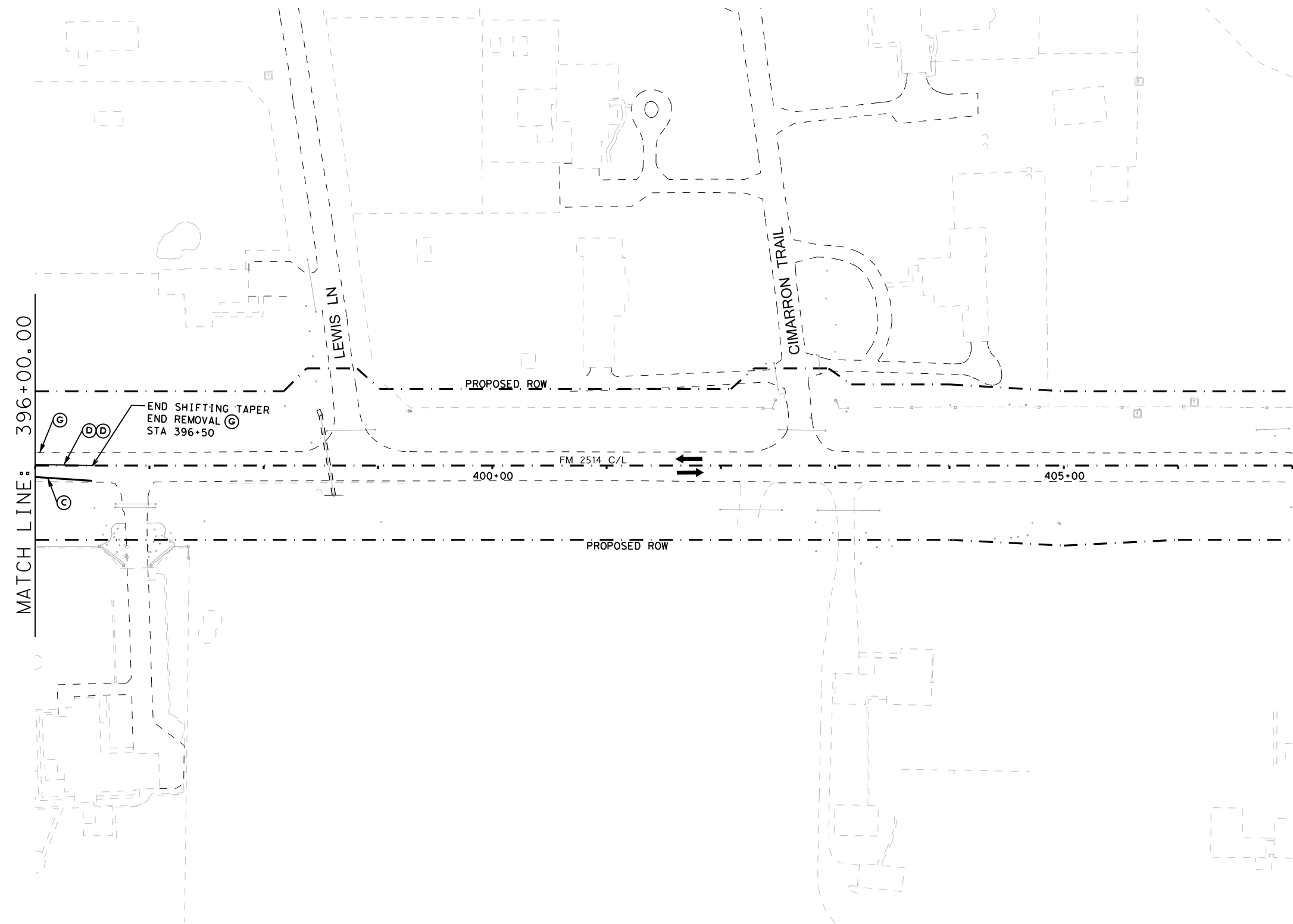
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 33
CHECK	CONTROL 2679	SECTION 02	JOB 008	

PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-1).  
(POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP A**

SCALE: 1"=100' SHEET 4 OF 4

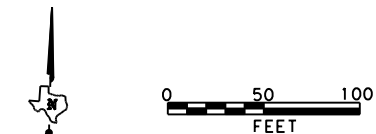
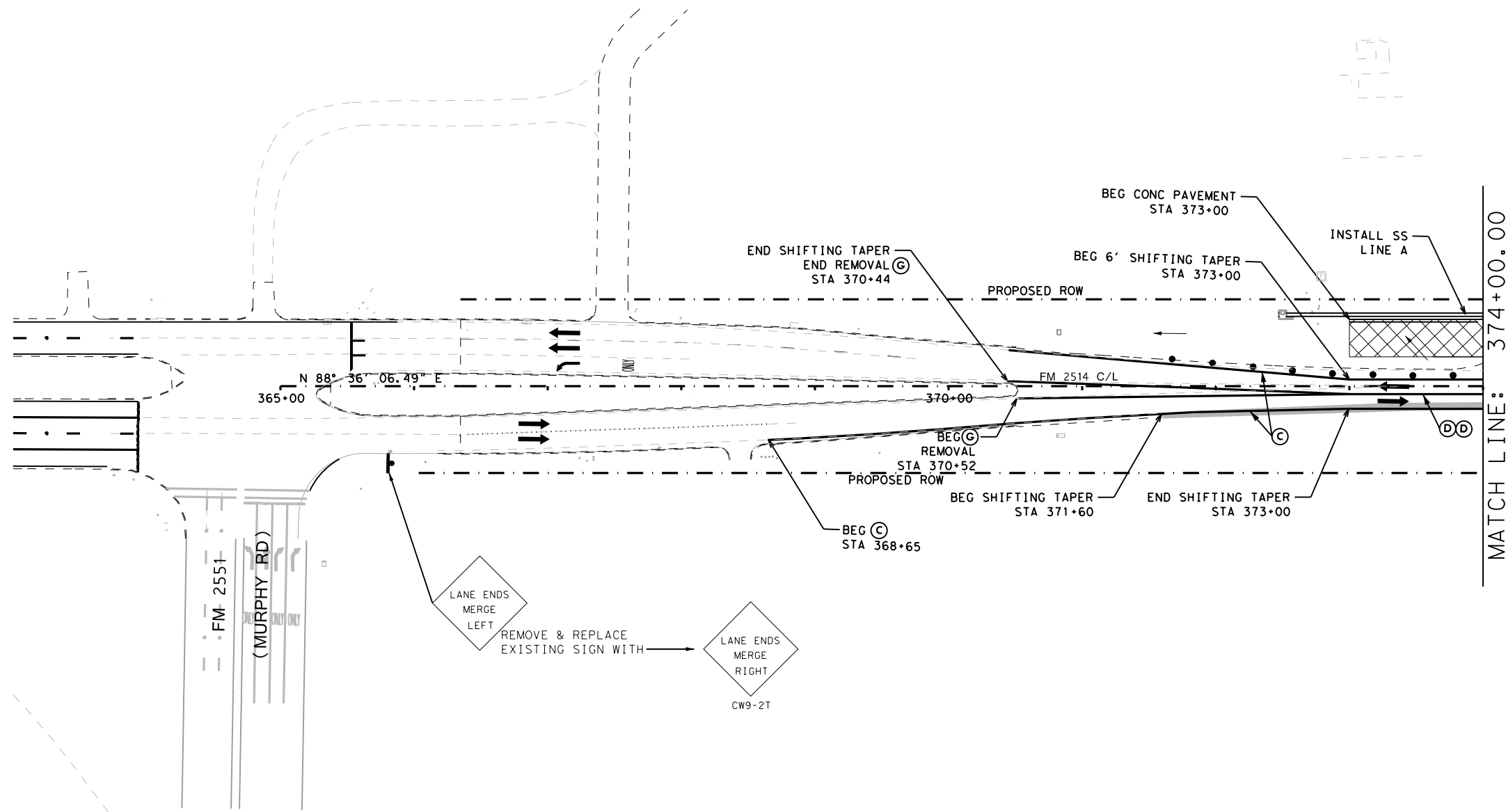
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GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 34
CHECK	CONTROL 2679	SECTION 02	JOB 008	



DATE: 3/16/2017 TIME: 4:00:28 PM

FILE: c:\pdxdot\dwg\online\line\txdot\5\vrachae\1.twi\ggs\dms99147\TCP PH 1A LAYOUT 1.dgn

PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-3b).  
(POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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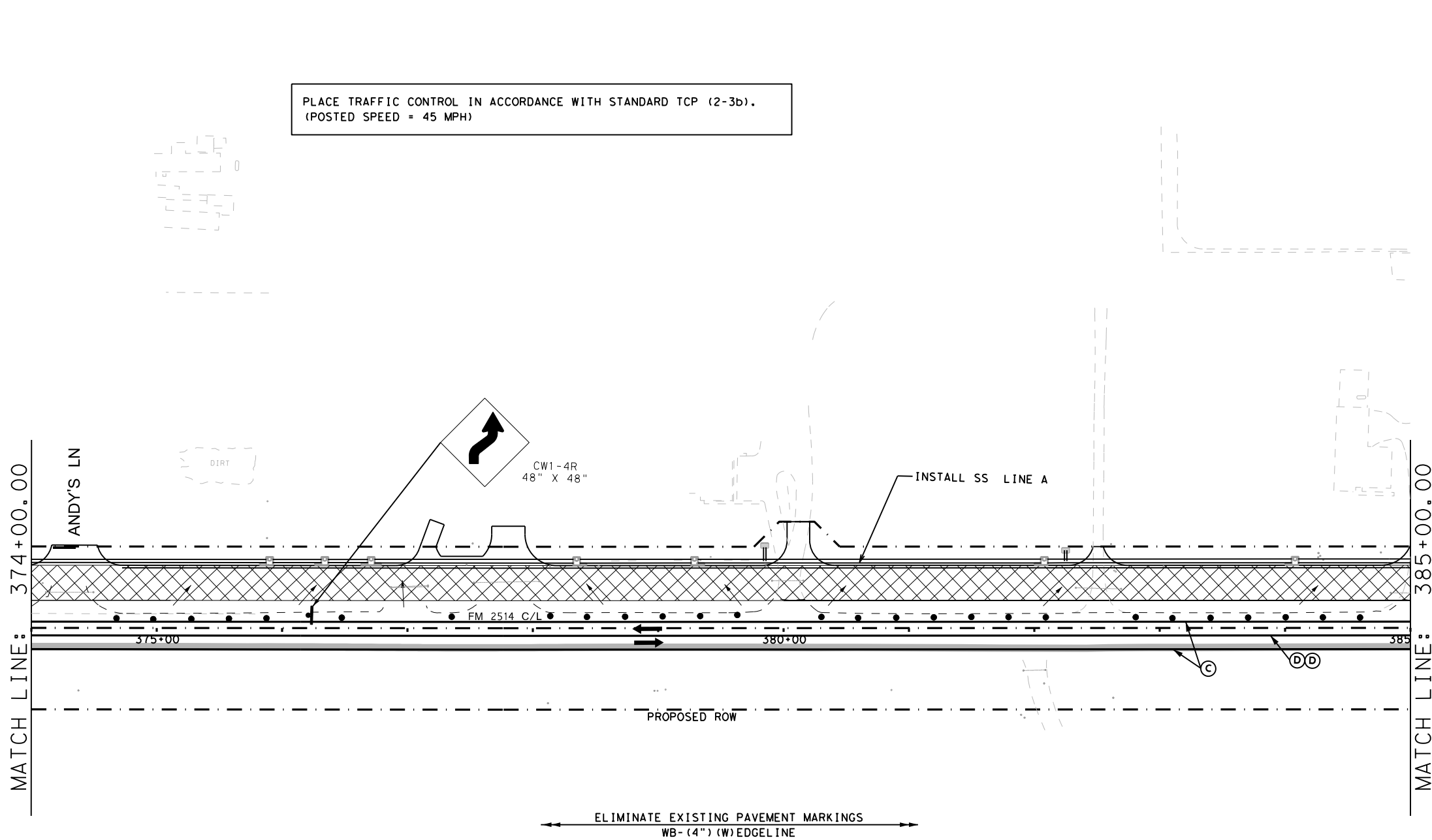


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

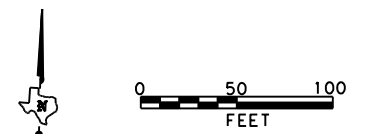
SCALE: 1"=100'				SHEET 1 OF 12
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	35
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:00:41 PM

FILE: c:\pwworkspace\dwg\online\tdot\5\rachoe1.twggs\dms99147\TCP PH 1A LAYOUT 2.dgn



PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-3b).  
(POSTED SPEED = 45 MPH)



- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
  - (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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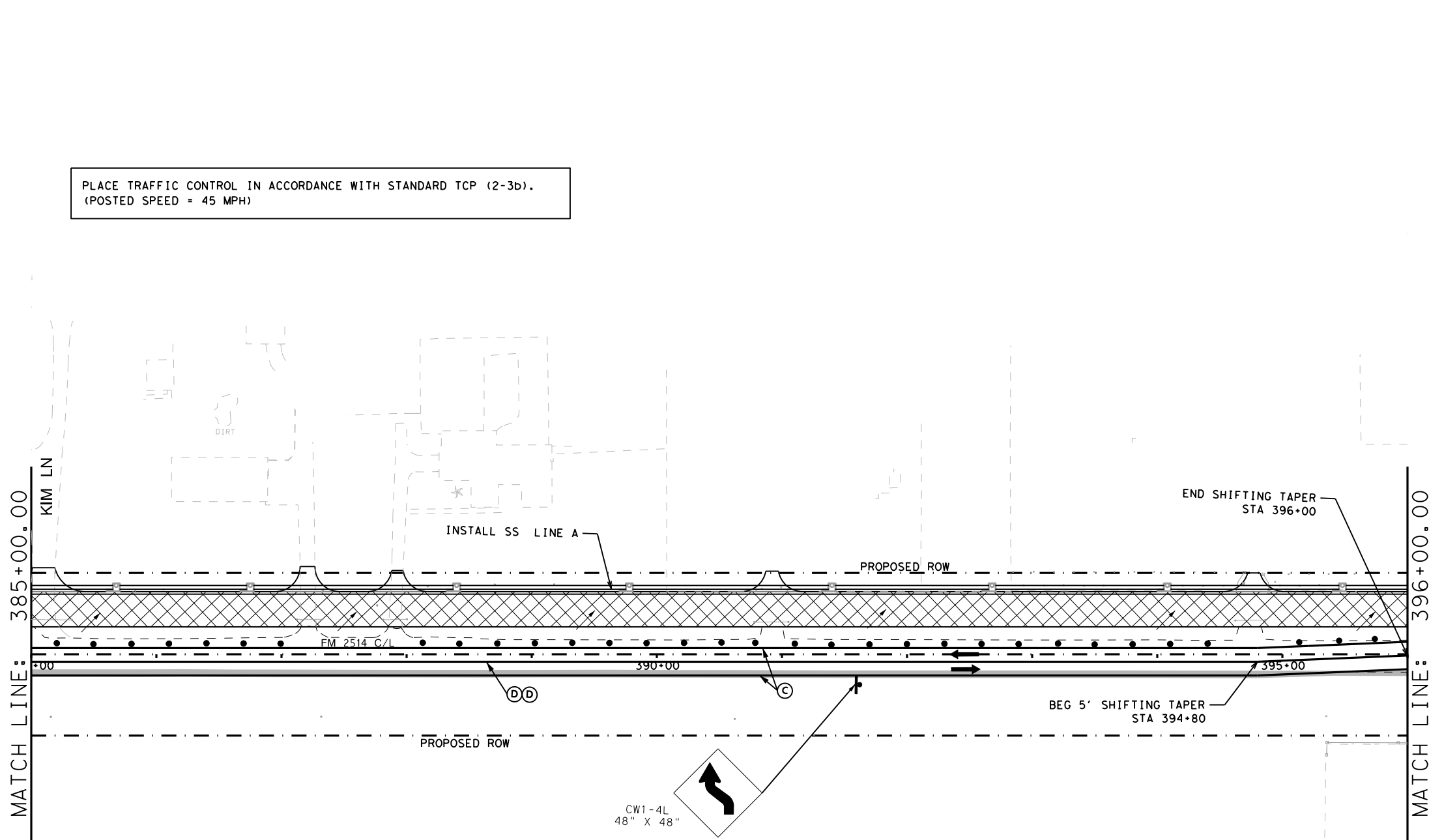
**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 2 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 36
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:00:52 PM

FILE: c:\pdxdot\dwg\online\tdot\5\vrachae.l.twi\ggs\dms99147\TCP PH 1A LAYOUT 3.dgn



PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-3b).  
(POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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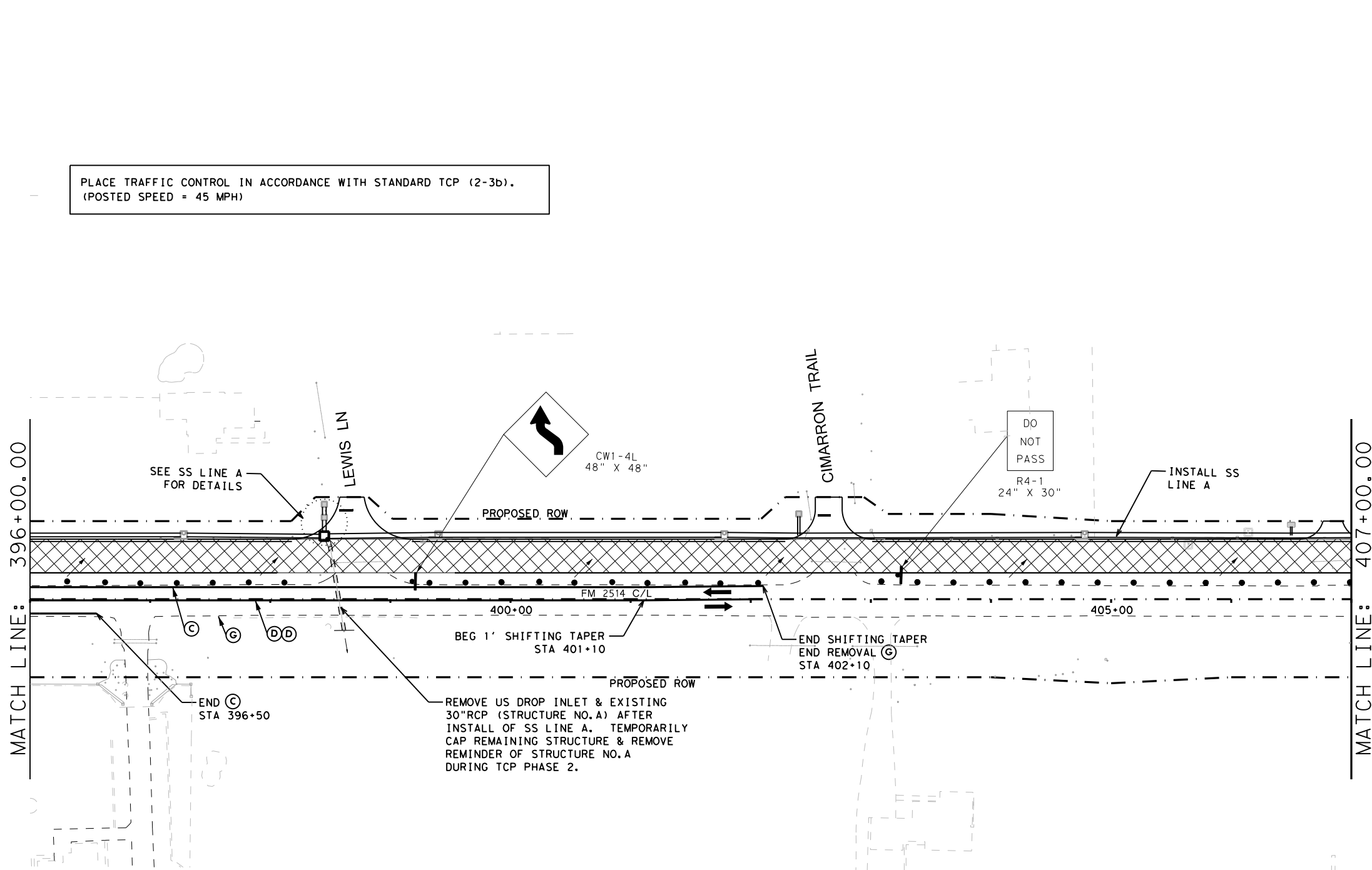
**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 3 OF 12

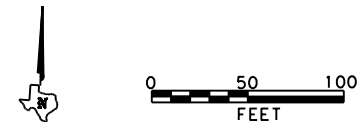
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	37
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:01:03 PM

FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\dms99147\tcp\_ph\_1a\_layout\_4.dgn



PLACE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD TCP (2-3b).  
(POSTED SPEED = 45 MPH)



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 4 OF 12

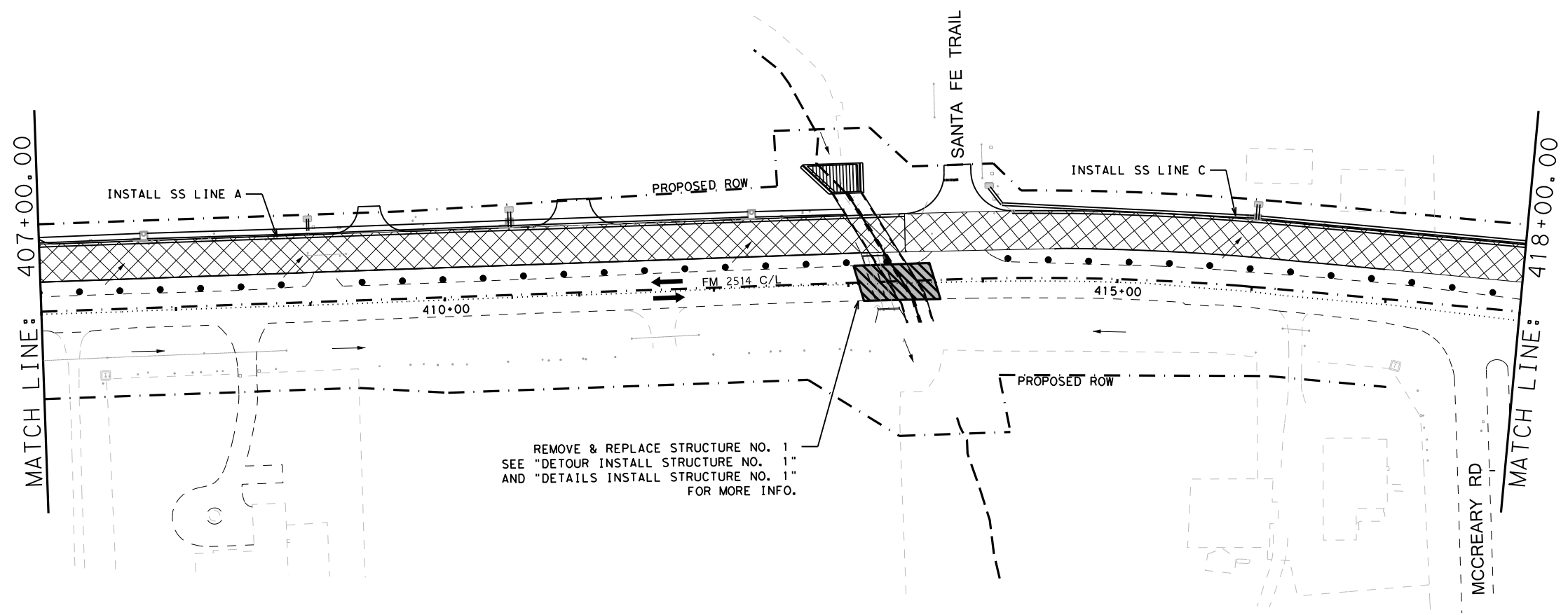
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CHECK	STATE:	DISTRICT:	COUNTY:	SHEET NO.:
CHECK	TEXAS	DAL	COLLIN	38
CHECK	CONTROL:	SECTION:	JOB:	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:01:15 PM  
 FILE: c:\pwworking\dwg\online\tdot\5\vrachae.l...t\wggs\dms99147\TCP PH 1A LAYOUT 5.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)



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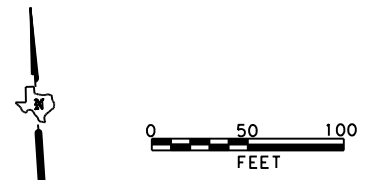
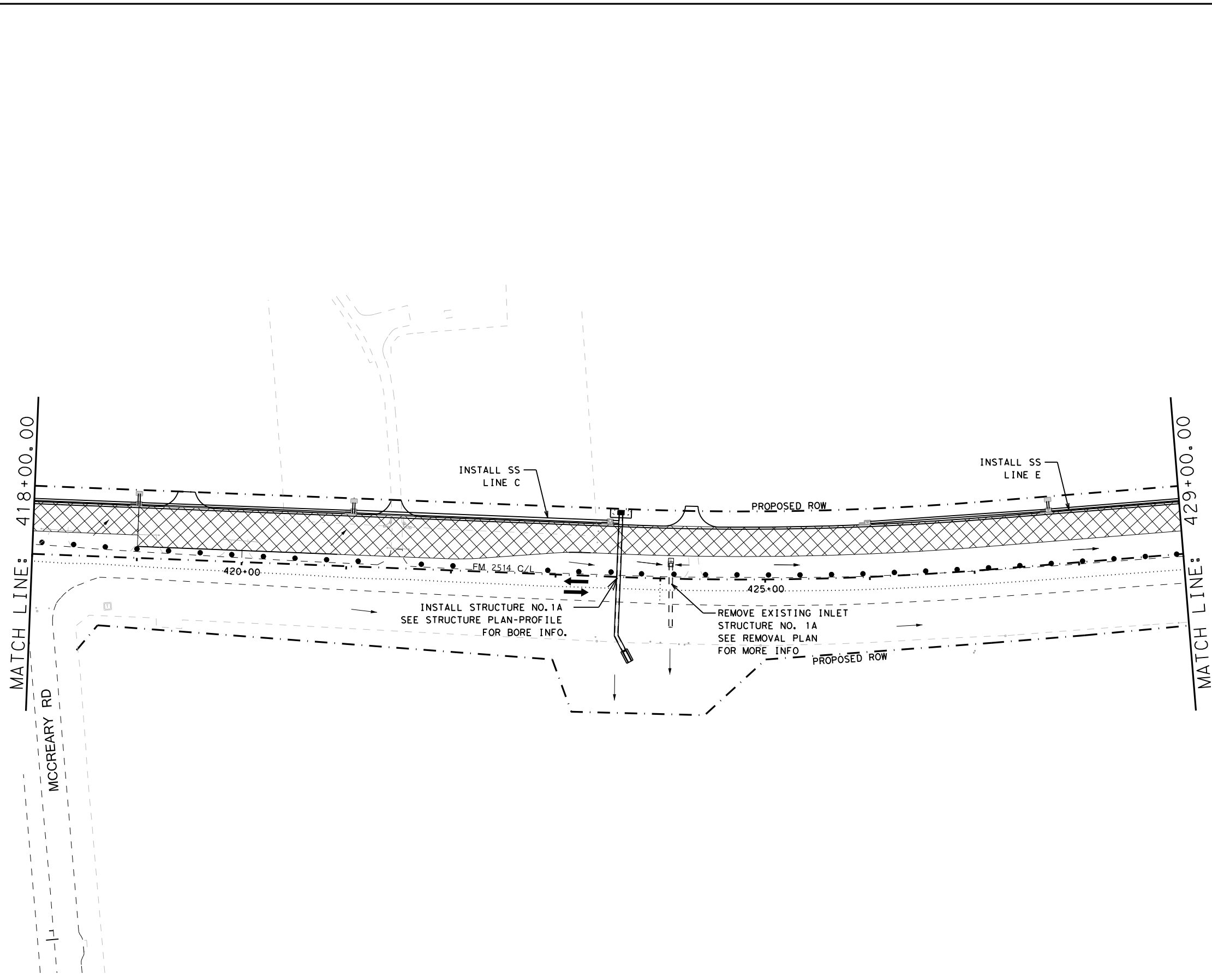
**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 5 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>39</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:01:29 PM

FILE: c:\pdxdot\dwg\online\tdot5\vrachae.l.twi\ggs\dms99147\TCP PH 1A LAYOUT 6.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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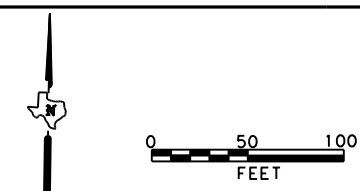
**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 6 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 40
CHECK	CONTROL 2679	SECTION 02	JOB 008	

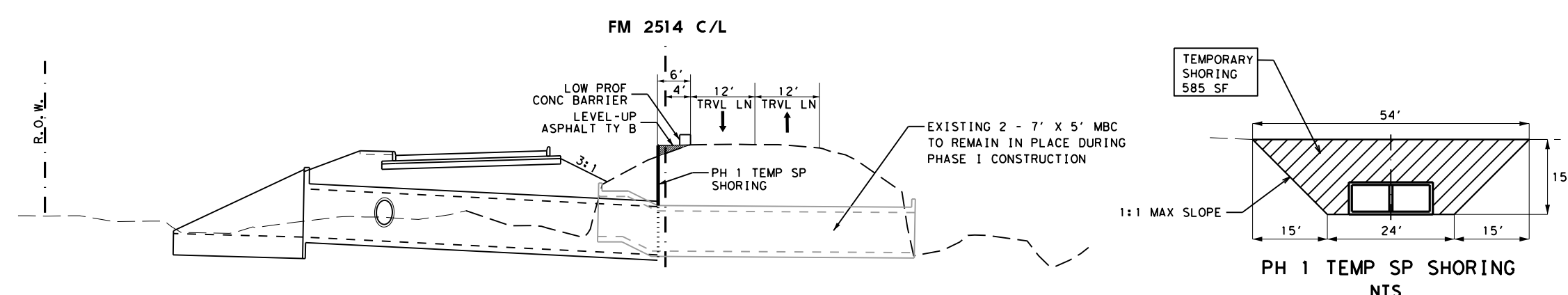
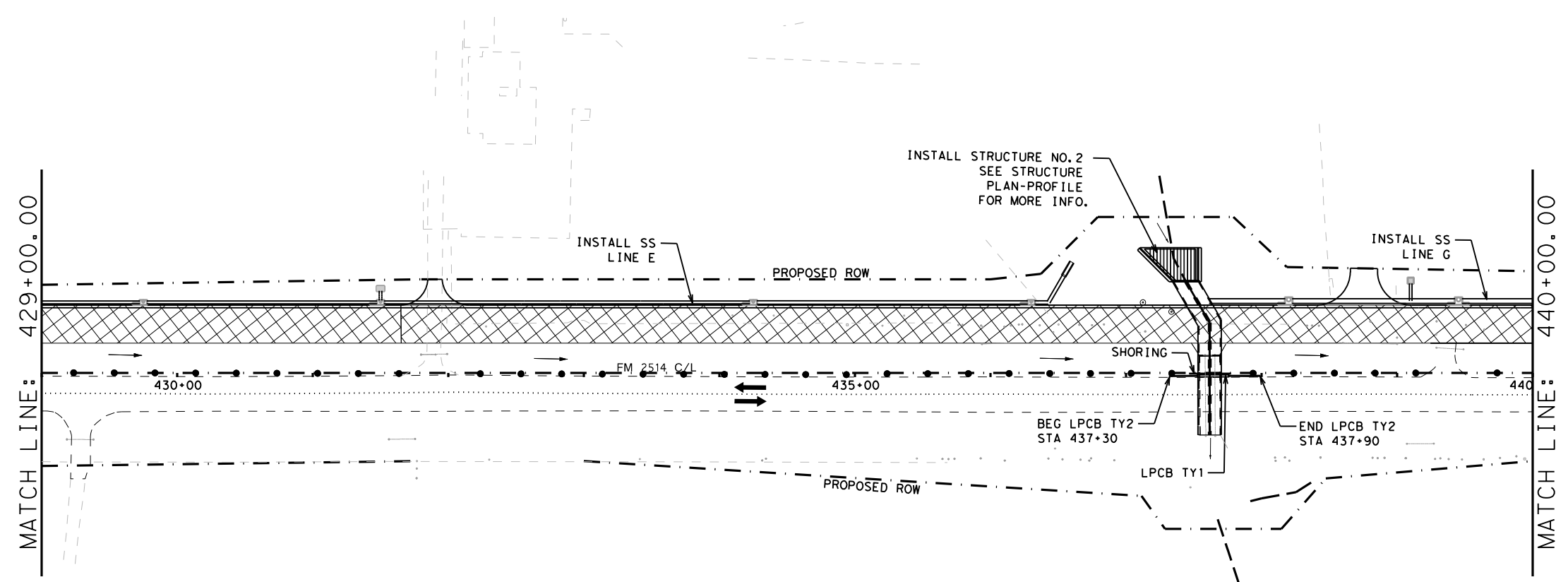
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FILE: c:\pdxdot\dwg\onl\ine\txdot\5\vrachae\l\fw\ggs\dms99147\TCP PH 1A LAYOUT 7.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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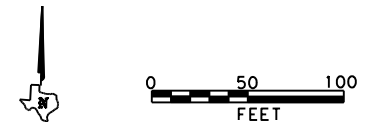
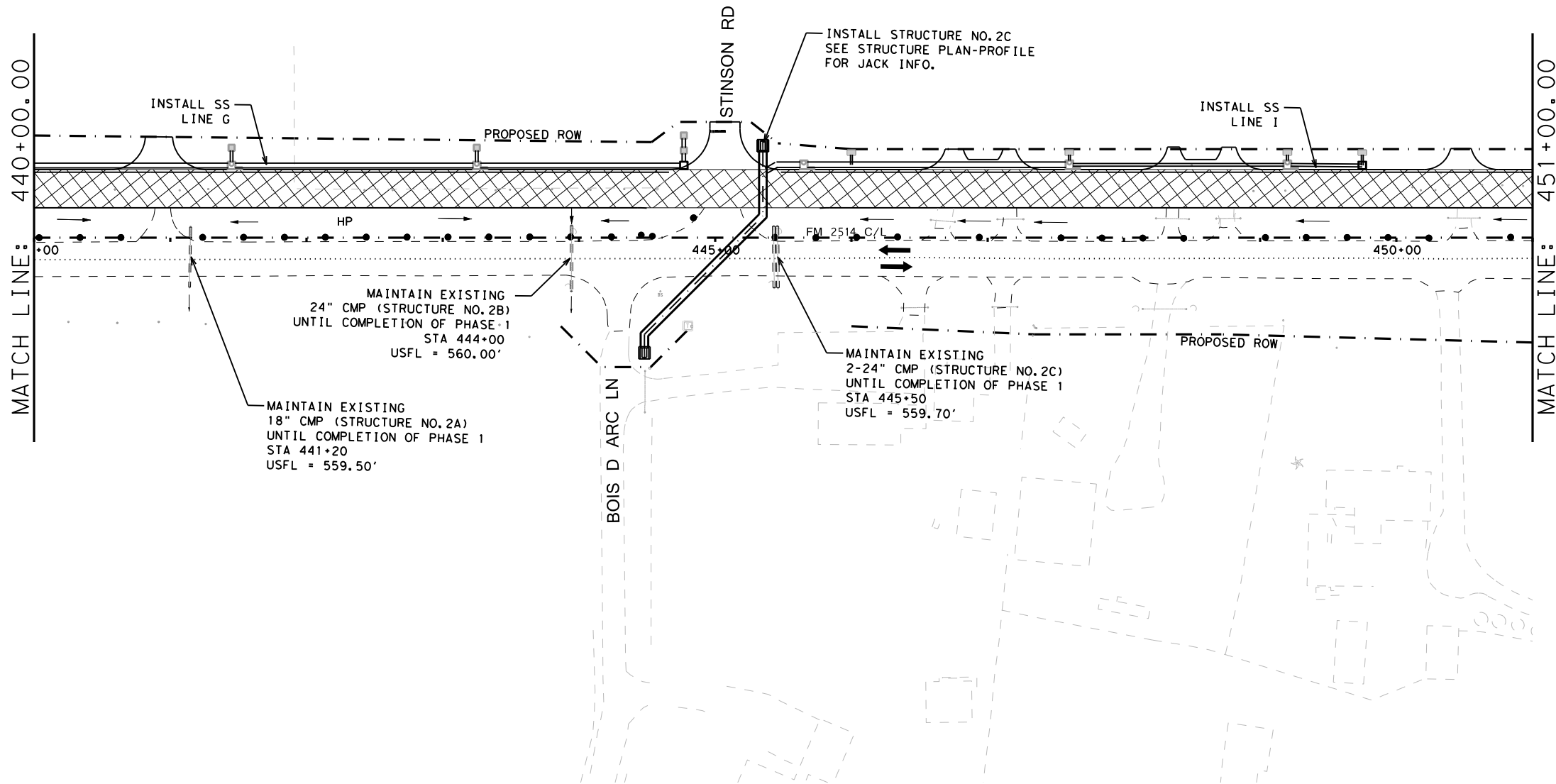


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 7 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>41</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:01:51 PM  
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**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
  
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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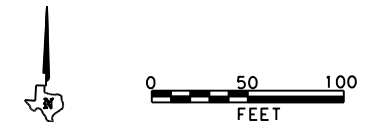
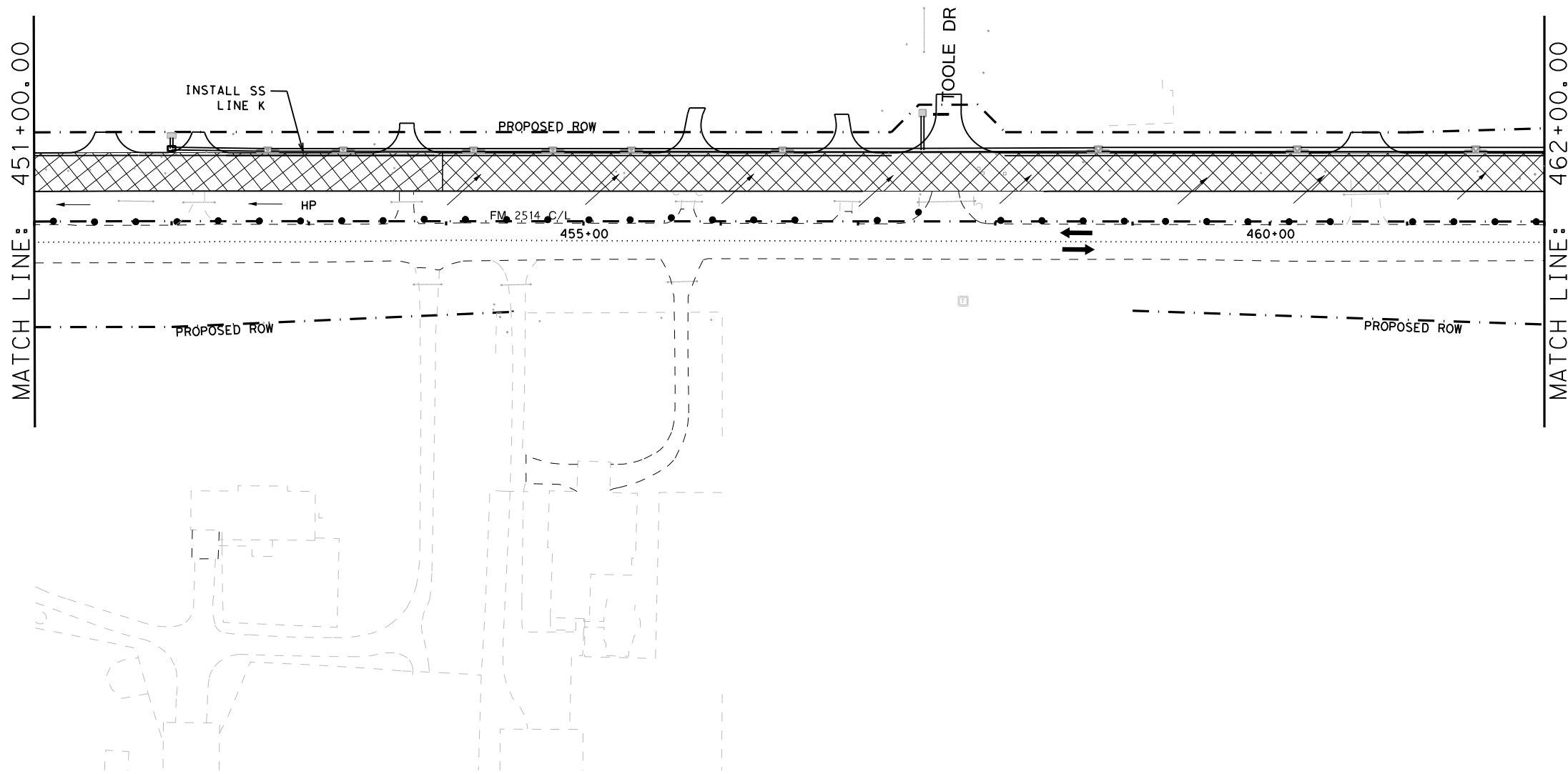
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 8 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>42</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



DATE: 3/16/2017 TIME: 4:02:02 PM  
 FILE: c:\pwworkspace\dwg\on\line\txdot\5\vrachae.l.twggs\dms99147\TCP PH 1A LAYOUT 9.dgn



- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

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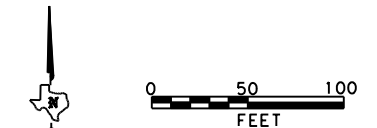


FM 2514  
**TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 9 OF 12

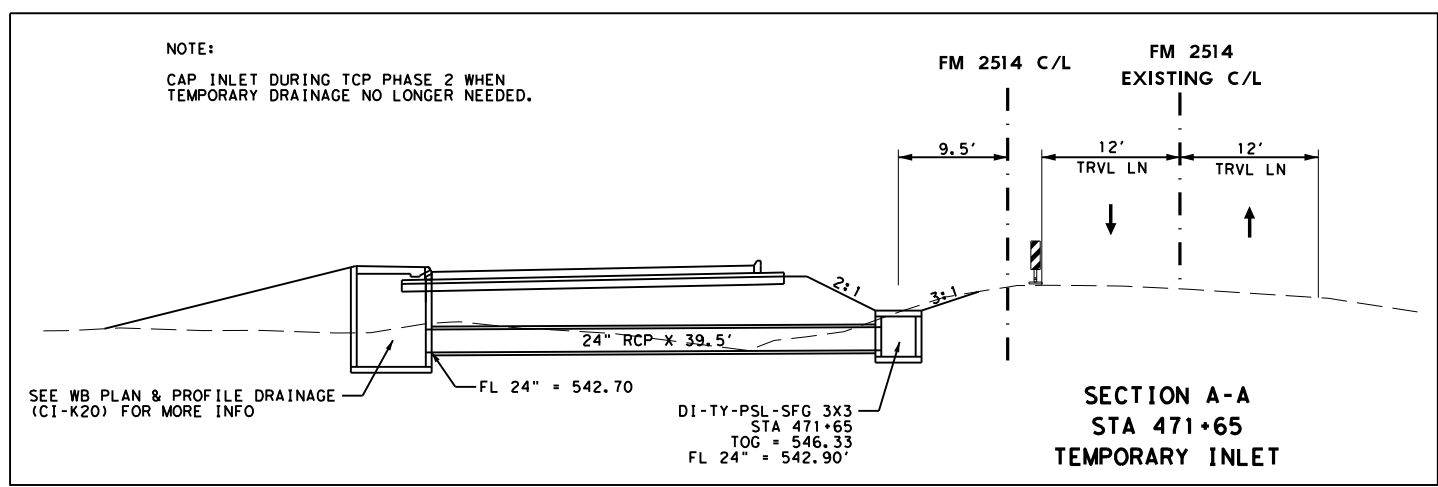
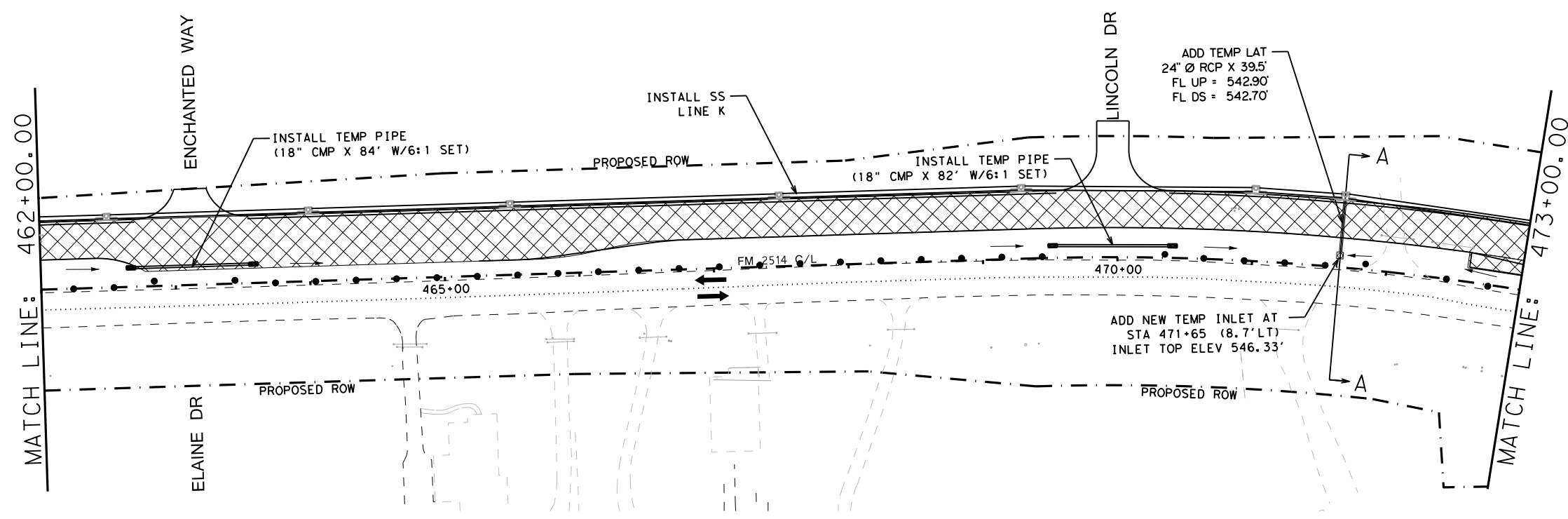
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>43</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:02:13 PM  
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**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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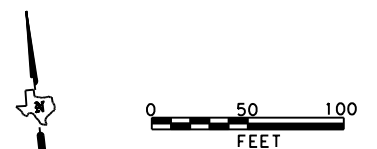
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 10 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 44
CHECK	CONTROL 2679	SECTION 02	JOB 008	

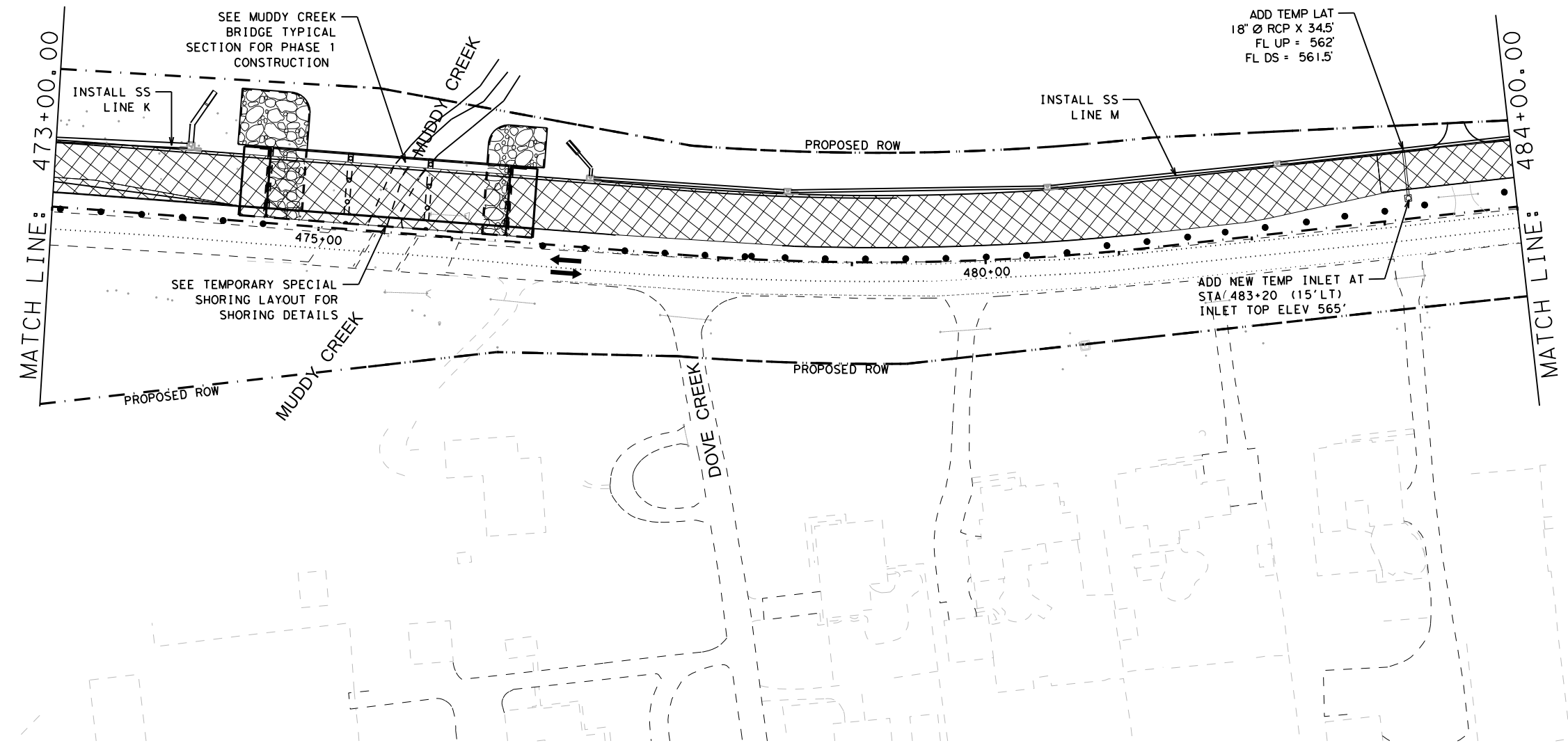
DATE: 3/16/2017 TIME: 4:02:25 PM

FILE: c:\pwworking\dwg\on\line\tdot5\vrachae\1.twi\ggs\dms99147\tcp\_ph\_1a\_layout\_11.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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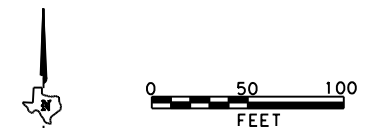
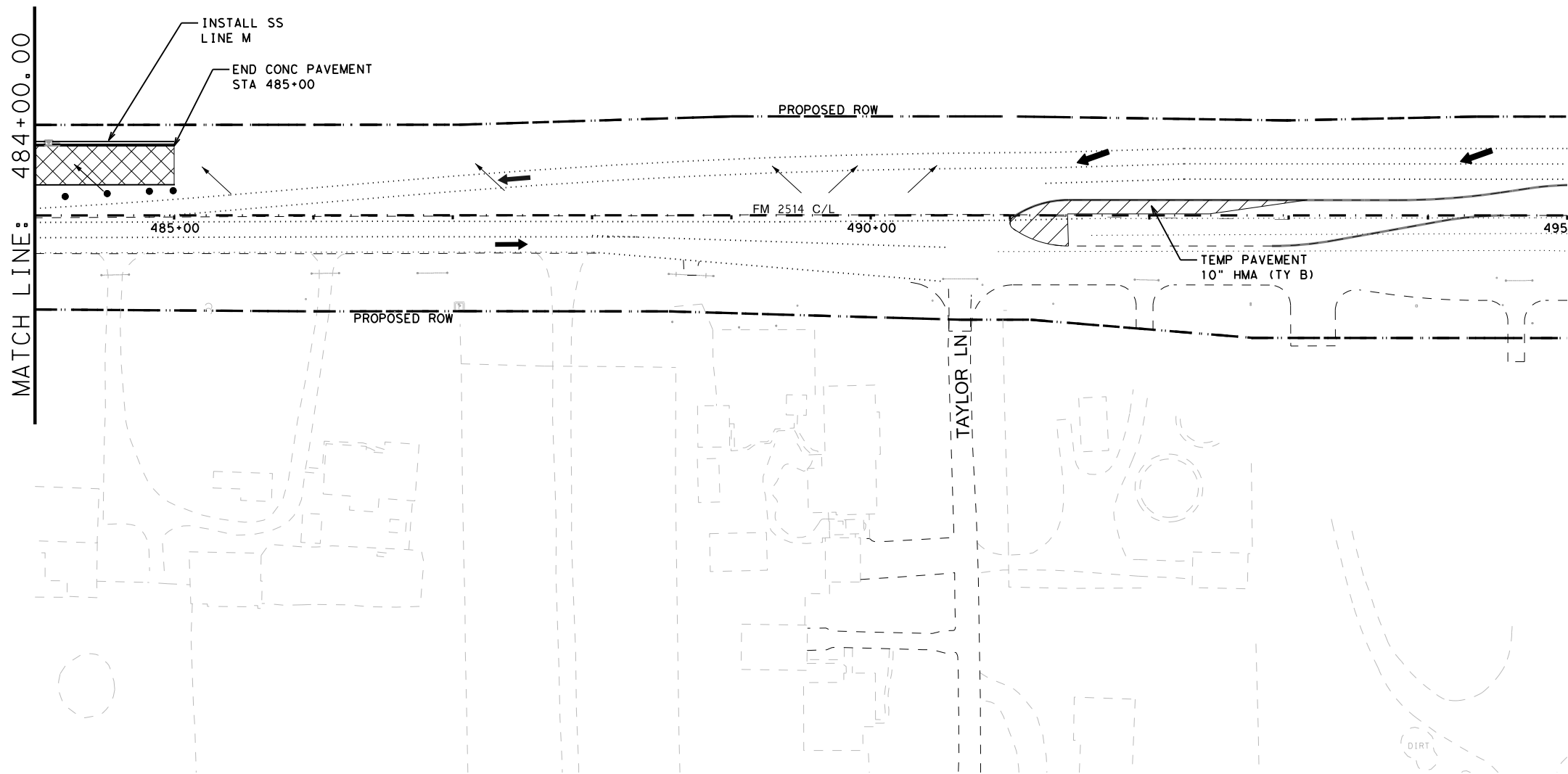


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 11 OF 12

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	45
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:02:35 PM  
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- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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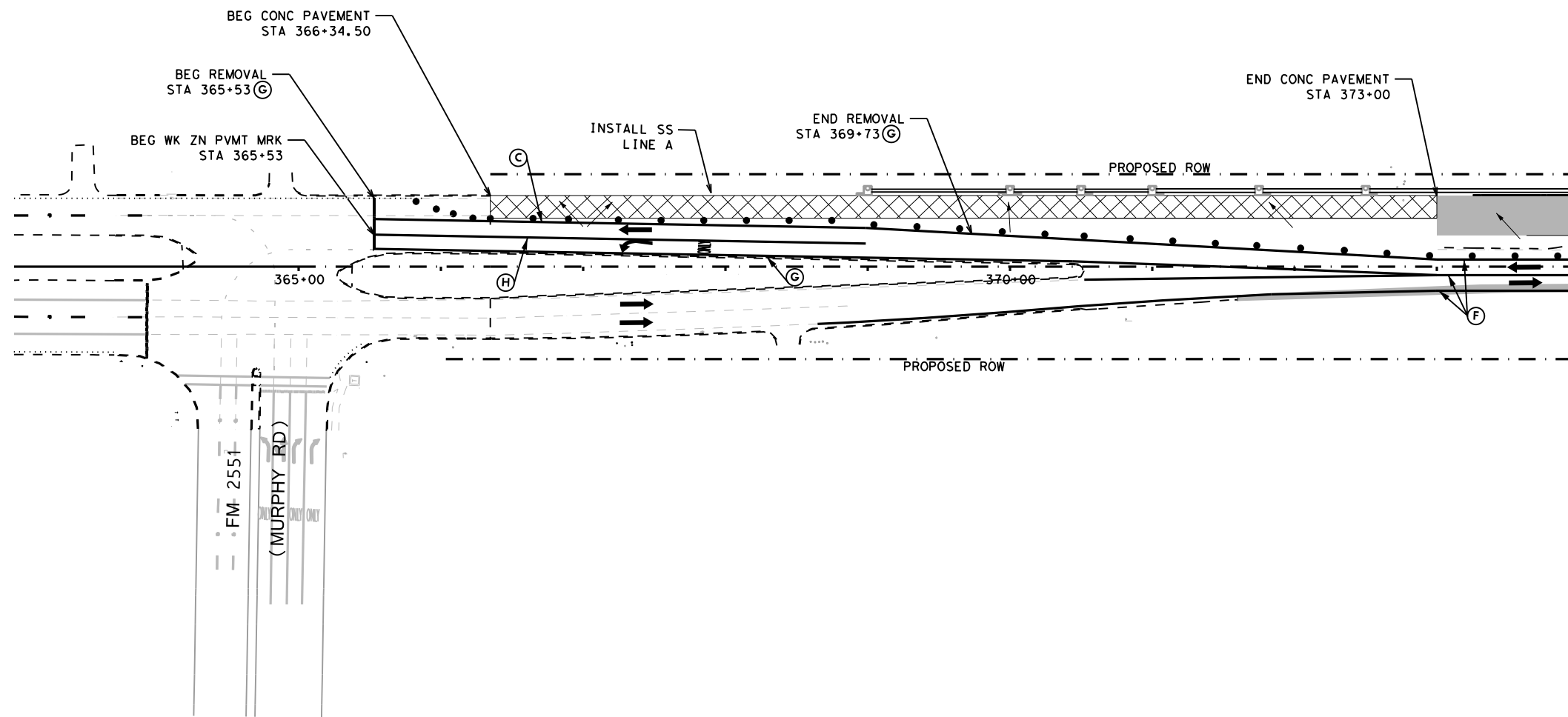


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1A - STEP B**

SCALE: 1"=100' SHEET 12 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	46
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:03:16 PM  
 FILE: c:\pwworking\dwg\online\txdot\5\vrachae.l... \txdot\5\vrachae.l... \TCP PH 1B LAYOUT 1.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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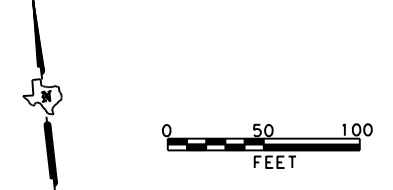


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1B  
 @ BEGIN PROJECT LIMITS**

SCALE: 1"=100' SHEET 1 OF 4

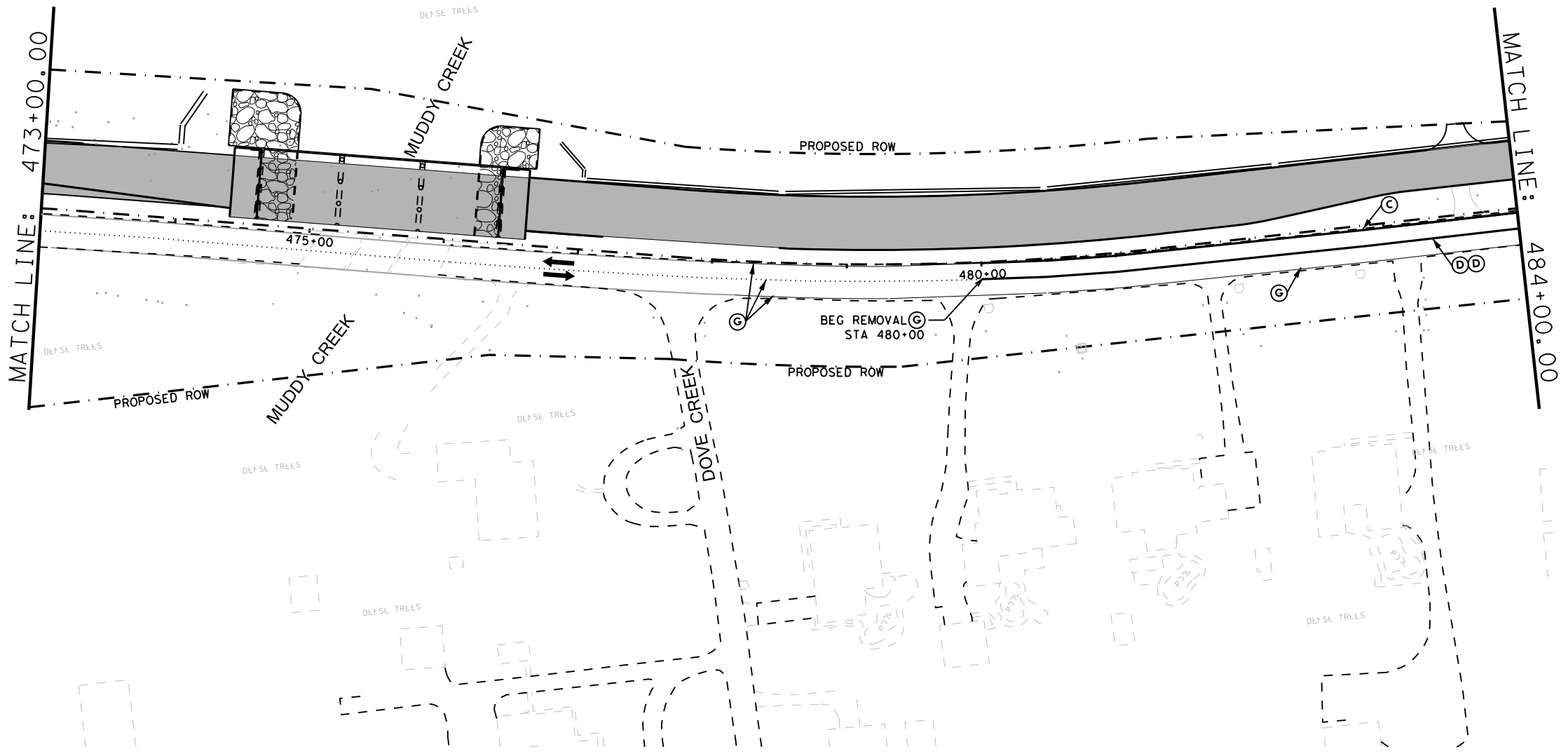
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GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>47</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:03:24 PM  
 FILE: c:\pwworking\dwg\online\tdot\5\vrachae.l...t\wggs\dms99188\tcp\_ph\_1b\_layout\_11.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRIAGE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



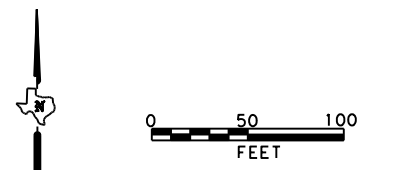
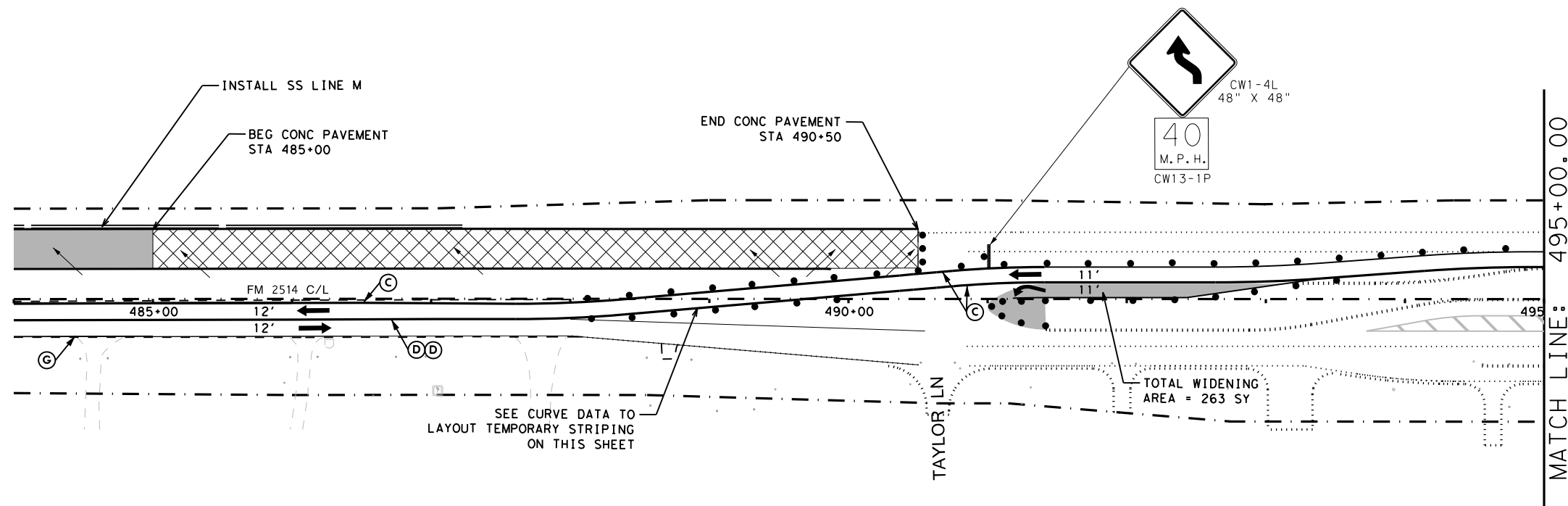
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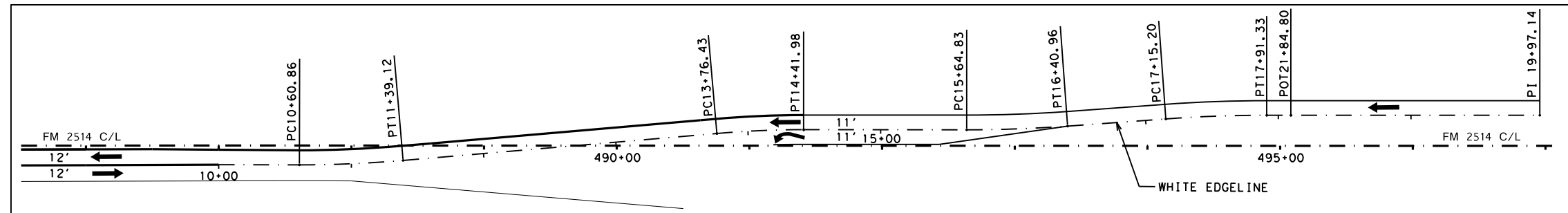
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1B  
 @ END PROJECT LIMITS**

SCALE: 1"=100' SHEET 2 OF 4

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	48
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



**CURVE DATA**

Beginning chain WBMT1 description  
 Description: Revised 7/16/14 - previous PRCL chain (now PRCL (OLD2)) extended beyond project limits on east side.

Point WBMT1	X	2,559,554.82	Y	7,073,062.33	Sta	10+00.00
Course from WBMT1 to PC WBMT11 S 89° 45' 25.56" E Dist 60.86						
<b>Curve Data</b>						
Curve WBMT11						
P.I. Station	X	11+00.02	Y	2,559,654.83		7,073,061.90
Delta		4° 58' 56.24"	(LT)			
Degree		6° 21' 58.31"				
Tangent		39.16				
Length		78.26				
Radius		900.00				
External		0.85				
Long Chord		78.24				
Mid. Ord.		0.85				
P.C. Station	X	10+60.86	Y	2,559,615.68		7,073,062.07
P.T. Station	X	11+39.12	Y	2,559,693.86		7,073,065.14
C.C. Station	X		Y	2,559,619.49		7,073,962.06
Back	= S	89° 45' 25.56"	E			
Ahead	= N	85° 15' 38.21"	E			
Chord Bear	= N	87° 45' 06.33"	E			
Course from PT WBMT11 to PC WBMT12 N 85° 15' 38.21" E Dist 237.30						
<b>Curve Data</b>						
Curve WBMT12						
P.I. Station	X	14+09.22	Y	2,559,963.03		7,073,087.45
Delta		4° 55' 43.99"	(RT)			
Degree		7° 31' 08.87"				
Tangent		32.80				
Length		65.55				
Radius		762.00				
External		0.71				
Long Chord		65.53				
Mid. Ord.		0.70				
P.C. Station	X	13+76.43	Y	2,559,930.35		7,073,084.75
P.T. Station	X	14+41.98	Y	2,559,995.83		7,073,087.35
C.C. Station	X		Y	2,559,993.31		7,072,325.35
Back	= N	85° 15' 38.21"	E			
Ahead	= S	89° 48' 37.80"	E			
Chord Bear	= N	87° 43' 30.20"	E			
Course from PT WBMT12 to PC WBMT13 S 89° 48' 37.80" E Dist 122.85						

<b>Curve Data</b>						
Curve WBMT13						
P.I. Station	X	16+02.91	Y	2,560,156.76		7,073,086.81
Delta		4° 11' 38.95"	(LT)			
Degree		5° 30' 33.15"				
Tangent		38.08				
Length		76.13				
Radius		1,040.00				
External		0.70				
Long Chord		76.11				
Mid. Ord.		0.70				
P.C. Station	X	15+64.83	Y	2,560,118.68		7,073,086.94
P.T. Station	X	16+40.96	Y	2,560,194.75		7,073,089.47
C.C. Station	X		Y	2,560,122.12		7,074,126.93
Back	= S	89° 48' 37.80"	E			
Ahead	= N	85° 59' 43.25"	E			
Chord Bear	= N	88° 05' 32.72"	E			
Course from PT WBMT13 to PC WBMT14 N 85° 59' 43.25" E Dist 74.24						
<b>Curve Data</b>						
Curve WBMT14						
P.I. Station	X	17+53.28	Y	2,560,306.80		7,073,097.32
Delta		4° 11' 38.95"	(RT)			
Degree		5° 30' 33.15"				
Tangent		38.08				
Length		76.13				
Radius		1,040.00				
External		0.70				
Long Chord		76.11				
Mid. Ord.		0.70				
P.C. Station	X	17+15.20	Y	2,560,268.81		7,073,094.66
P.T. Station	X	17+91.33	Y	2,560,344.88		7,073,097.19
C.C. Station	X		Y	2,560,341.44		7,072,057.20
Back	= N	85° 59' 43.25"	E			
Ahead	= S	89° 48' 37.80"	E			
Chord Bear	= N	88° 05' 32.72"	E			
Course from PT WBMT14 to WBMT2 S 89° 48' 37.80" E Dist 205.81						
Point WBMT2	X	2,560,550.69	Y	7,073,096.51	Sta	19+97.14
Ending chain WBMT1 description						

**PRELIMINARY**  
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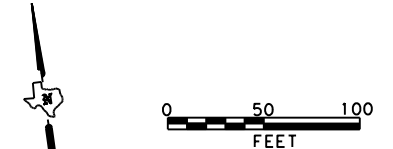
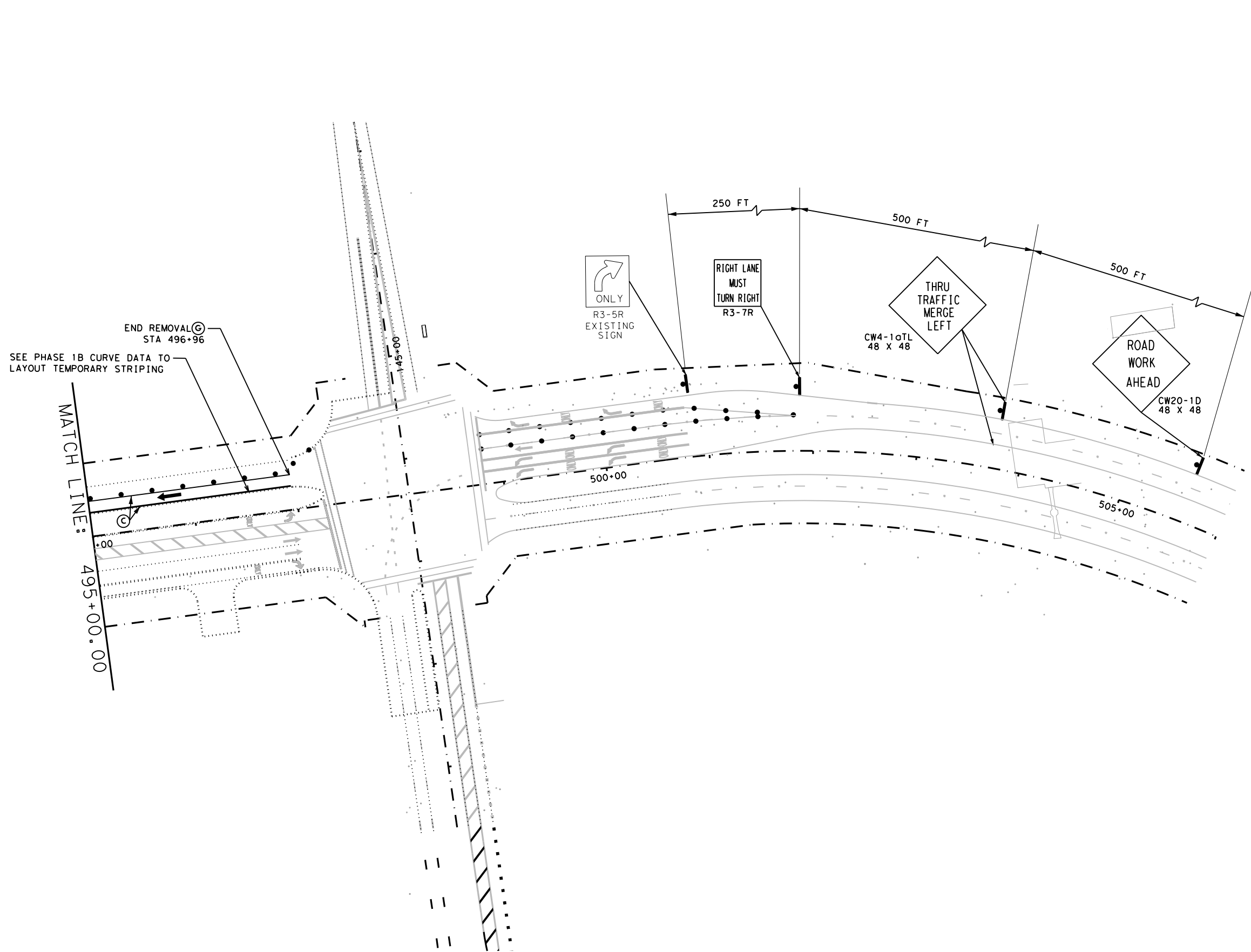
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1B  
 @ END PROJECT LIMITS**

SCALE: 1"=100' SHEET 3 OF 4

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	49
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:03:33 PM  
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DATE: 3/16/2017 TIME: 4:03:42 PM  
 FILE: c:\pdx\online\dwg\online\tdot\5\vrachae.l.twi\ggs\dms99188\tcp\_ph\_1b\_layout\_13.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

**PRELIMINARY**

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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1B  
 @ END PROJECT LIMITS**

SCALE: 1"=100' SHEET 4 OF 4

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	50
	CONTROL	SECTION	JOB	
	2679	02	008	



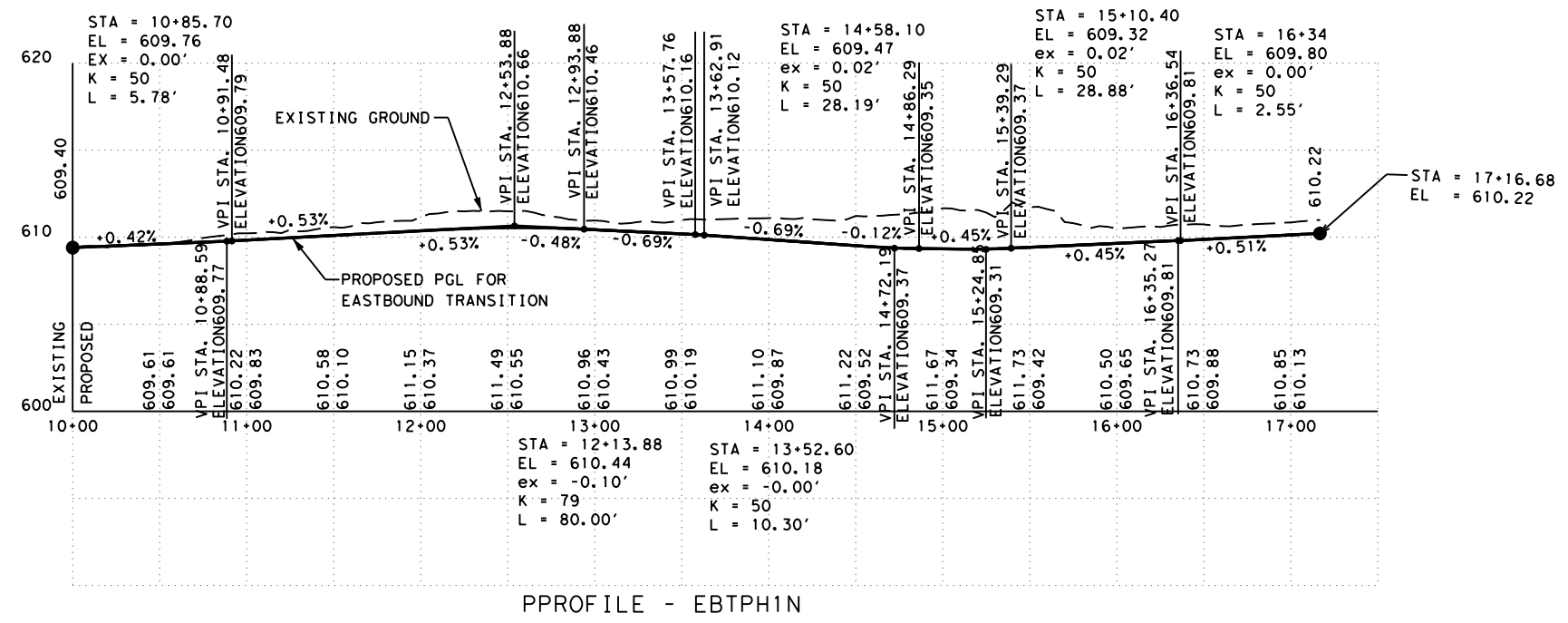
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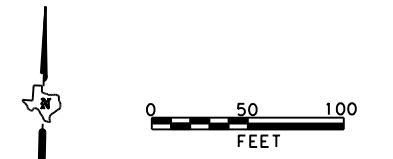
① WIDENING

STATION	OFFSET	WIDTH (FT)
366+34.5	16.7' RT	6.3
366+50	15' RT	8.0
367+00	7.8' RT	14.2
367+50	0.00	14.3
368+00	0.00	3

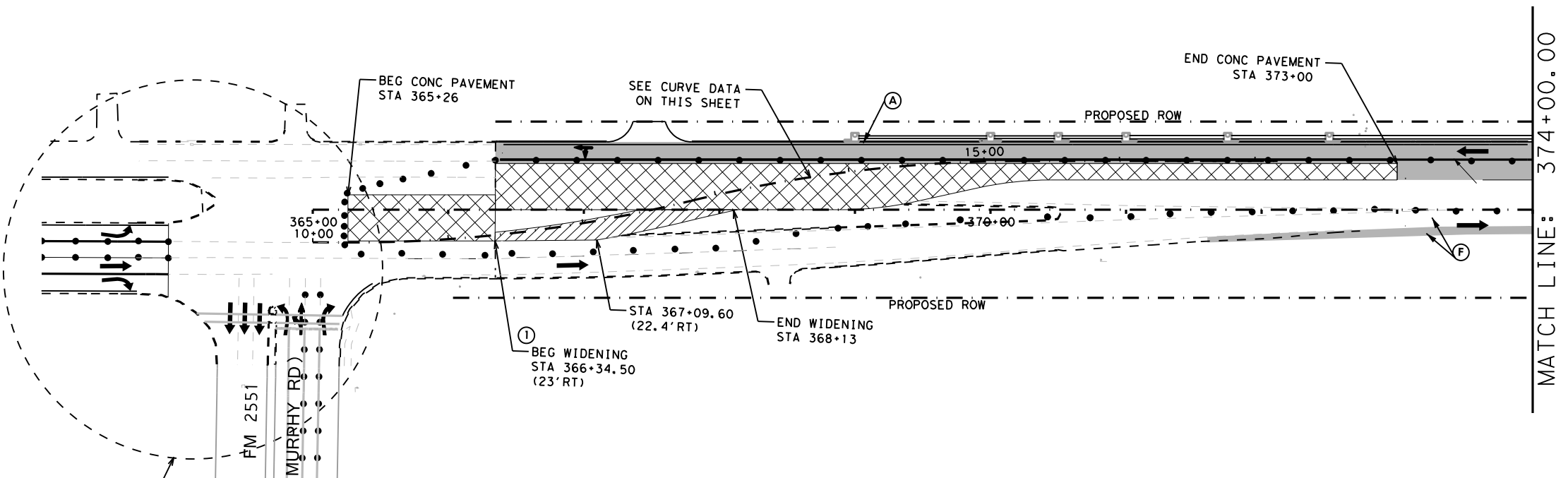
FROM STA 366+34.50 TO STA 367+10 MATCH EXISTING CROSS SLOPE  
 FROM STA 367+10 TO STA 367+41 PROVIDE CROSS SLOPE TRANSITION  
 FROM STA 367+41 TO STA 368+13 MATCH PROPOSED CROSS SLOPE



PROFILE - EBTPH1N



- TCP LEGEND
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STC
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



SEE SHEET "TRAFFIC CONTROL PLAN at the FM 2551 Intersection (for inside thru lane closed)" FOR ADDITIONAL INFORMATION

Curve Data		*-----*	
Point TCPEBTR11	X 2,547,374.92 Y 7,073,120.24	Sta	10+00.00
Course from TCPEBTR11 to PC TCPEBTR1_3 N 88° 54' 19.45" E Dist 22.64			
Curve Data		*-----*	
Curve TCPEBTR1_3			
P.I. Station	11+50.00 X 2,547,524.90 Y 7,073,123.10		
Delta	= 13° 58' 36.67" (LT)		
Degree	= 5° 30' 52.24"		
Tangent	= 127.36		
Length	= 253.46		
Radius	= 1,039.00		
External	= 7.78		
Long Chord	= 252.83		
Mid. Ord.	= 7.72		
P.C. Station	10+22.64 X 2,547,397.56 Y 7,073,120.67		
P.T. Station	12+76.10 X 2,547,647.88 Y 7,073,156.22		
C.C.	X 2,547,377.71 Y 7,074,159.48		
Back	= N 88° 54' 19.45" E		
Ahead	= N 74° 55' 42.78" E		
Chord Bear	= N 81° 55' 01.12" E		
Course from PT TCPEBTR1_3 to PC TCPEBTR1_6 N 74° 55' 42.78" E Dist 5.37			
Curve Data		*-----*	
Curve TCPEBTR1_6			
P.I. Station	14+06.03 X 2,547,773.34 Y 7,073,190.01		
Delta	= 13° 40' 21.73" (RT)		
Degree	= 5° 30' 52.24"		
Tangent	= 124.56		
Length	= 247.94		
Radius	= 1,039.00		
External	= 7.44		
Long Chord	= 247.35		
Mid. Ord.	= 7.39		
P.C. Station	12+81.47 X 2,547,653.06 Y 7,073,157.62		
P.T. Station	15+29.41 X 2,547,897.86 Y 7,073,193.05		
C.C.	X 2,547,923.23 Y 7,072,154.36		
Back	= N 74° 55' 42.78" E		
Ahead	= N 88° 36' 04.51" E		
Chord Bear	= N 81° 45' 53.65" E		
Course from PT TCPEBTR1_6 to TCPEBTR18 N 88° 36' 04.51" E Dist 187.28			
Point TCPEBTR18	X 2,548,085.08 Y 7,073,197.62	Sta	17+16.68
Ending chain TCPEBTR1 description			

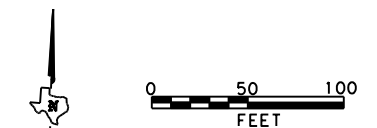
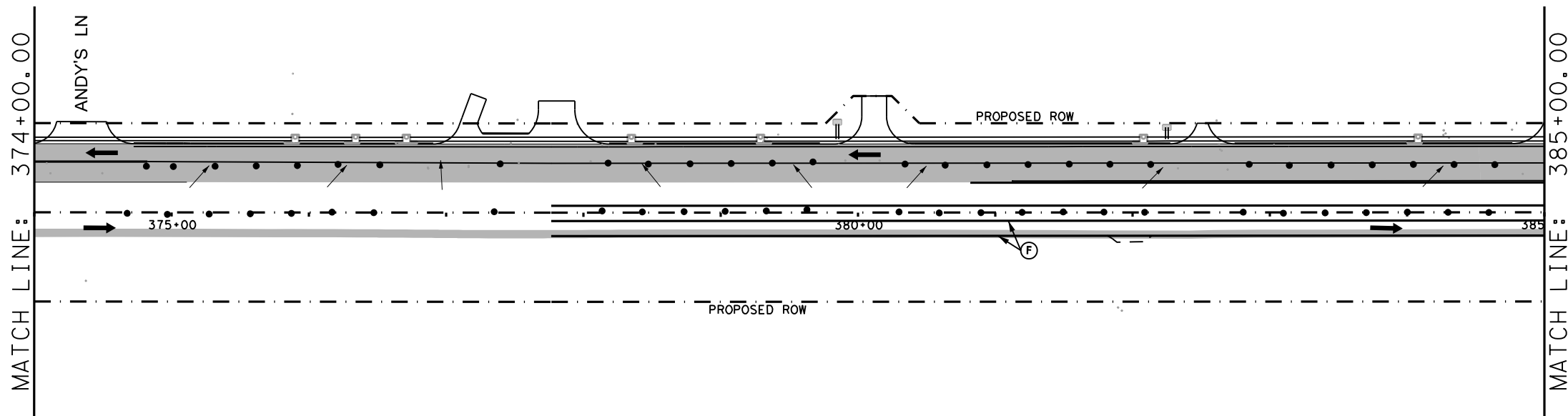
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**FM 2514**  
**TRAFFIC CONTROL PLAN**  
**PHASE 1C**

SCALE: 1"=100' SHEET 1 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN
CHECK	CONTROL 2679	SECTION 02	JOB 008
CHECK			SHEET NO. 51



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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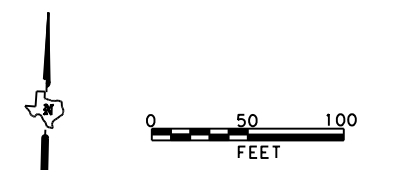
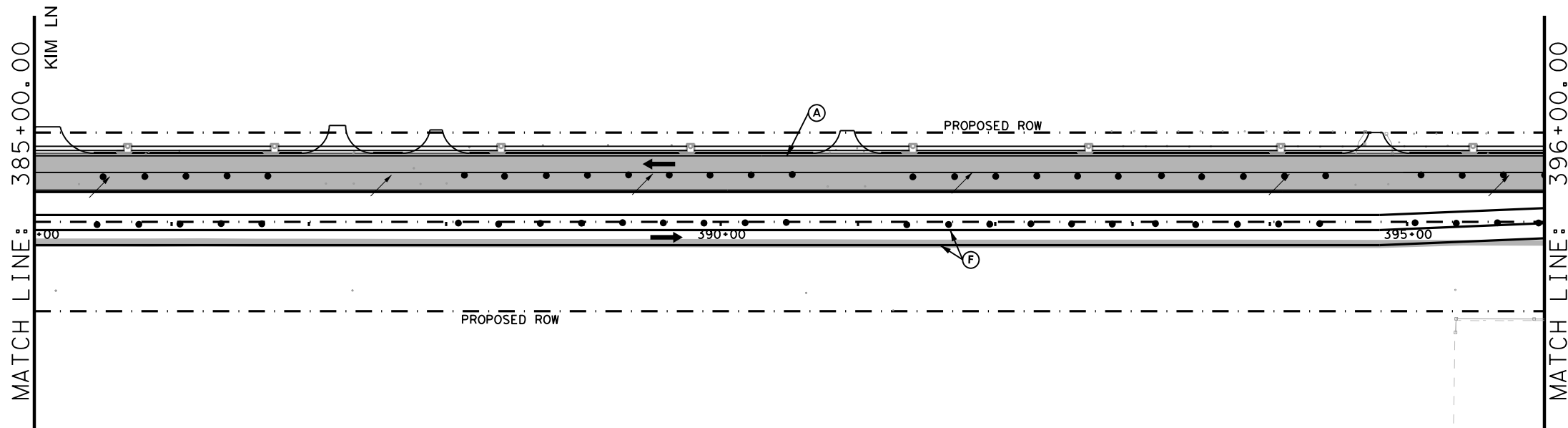
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**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1C**

SCALE: 1"=100' SHEET 2 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>52</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER

- (A) REFL PAV MRK (W) (4") (SLD)
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- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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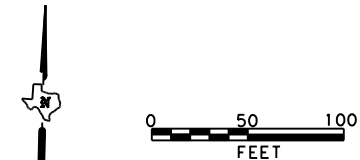
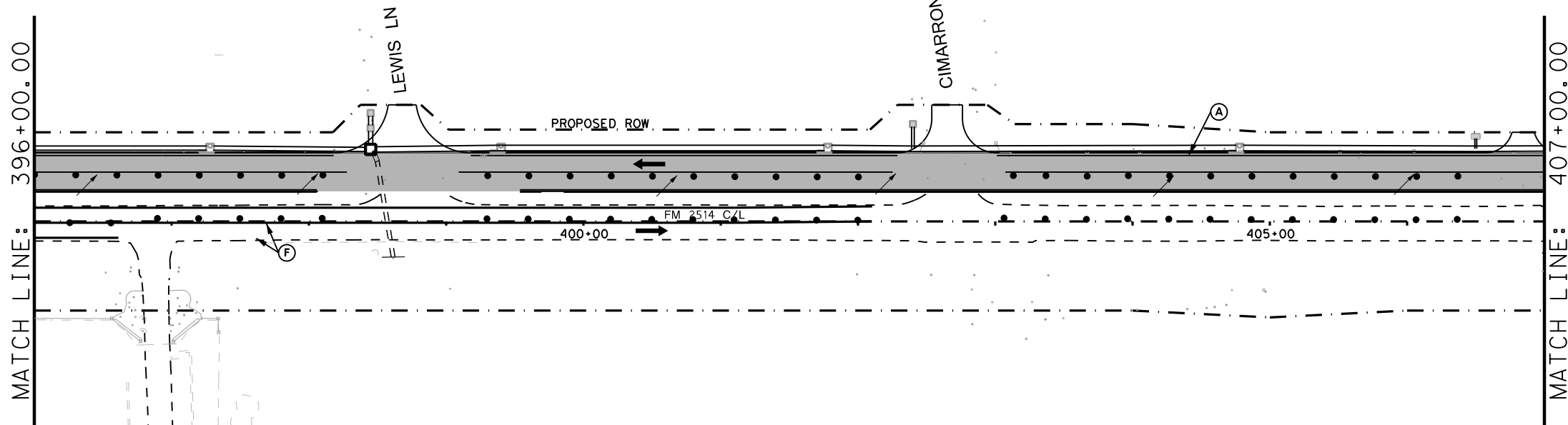
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

SCALE: 1"=100' SHEET 3 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	53
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:04:50 PM

FILE: c:\pwworking\dwg\onl\ine\txdot\5\vrachae\1.twi\ggs\d0104299\TCP PH 1C LAYOUT 4.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
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- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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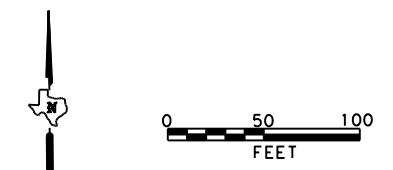
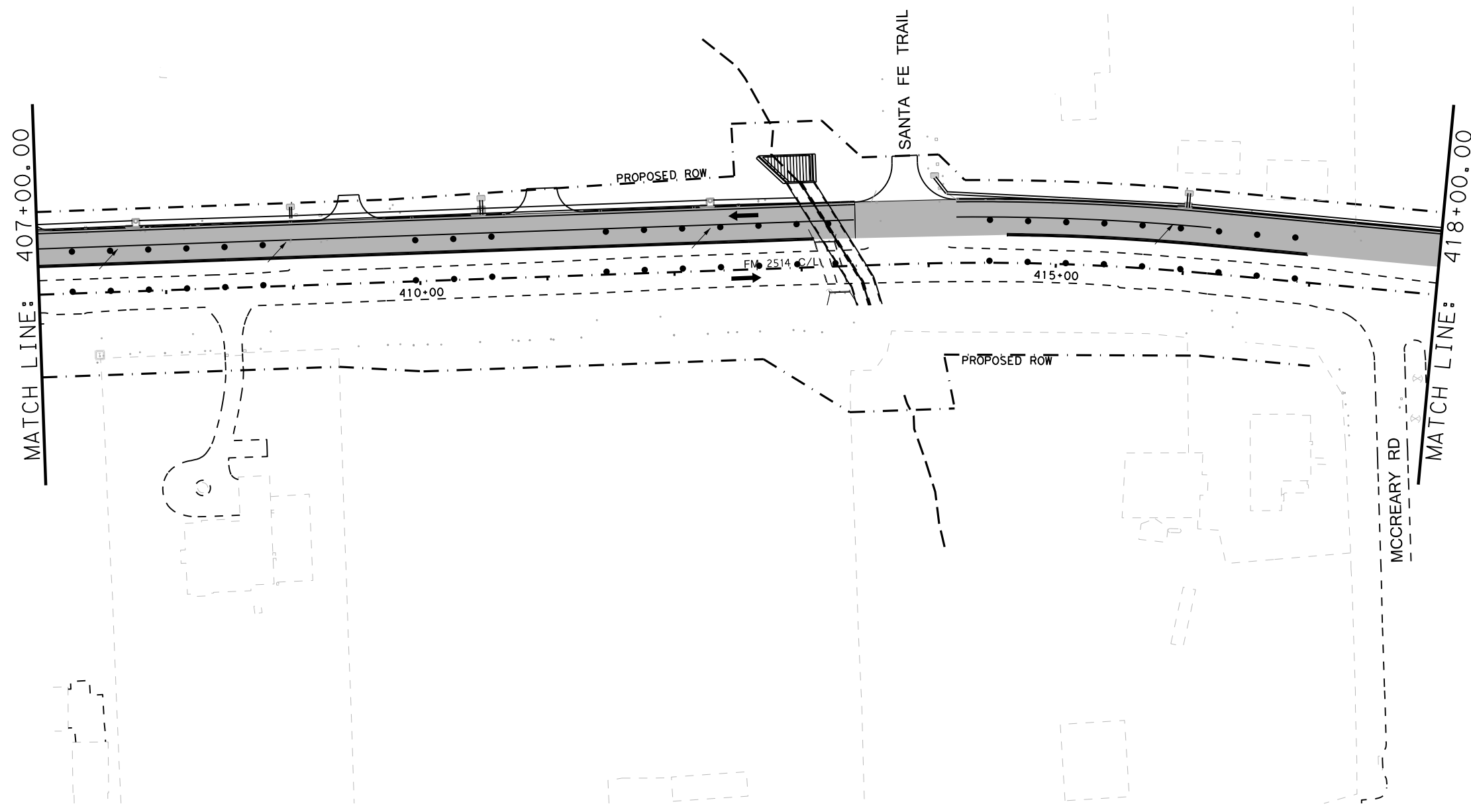


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1C**

SCALE: 1"=100' SHEET 4 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 54
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:04:59 PM  
 FILE: c:\pwworking\dwg\online\tdot\5\vrachae.l... \tdot\5\vrachae.l... \TCP PH 1C LAYOUT 5.dgn



- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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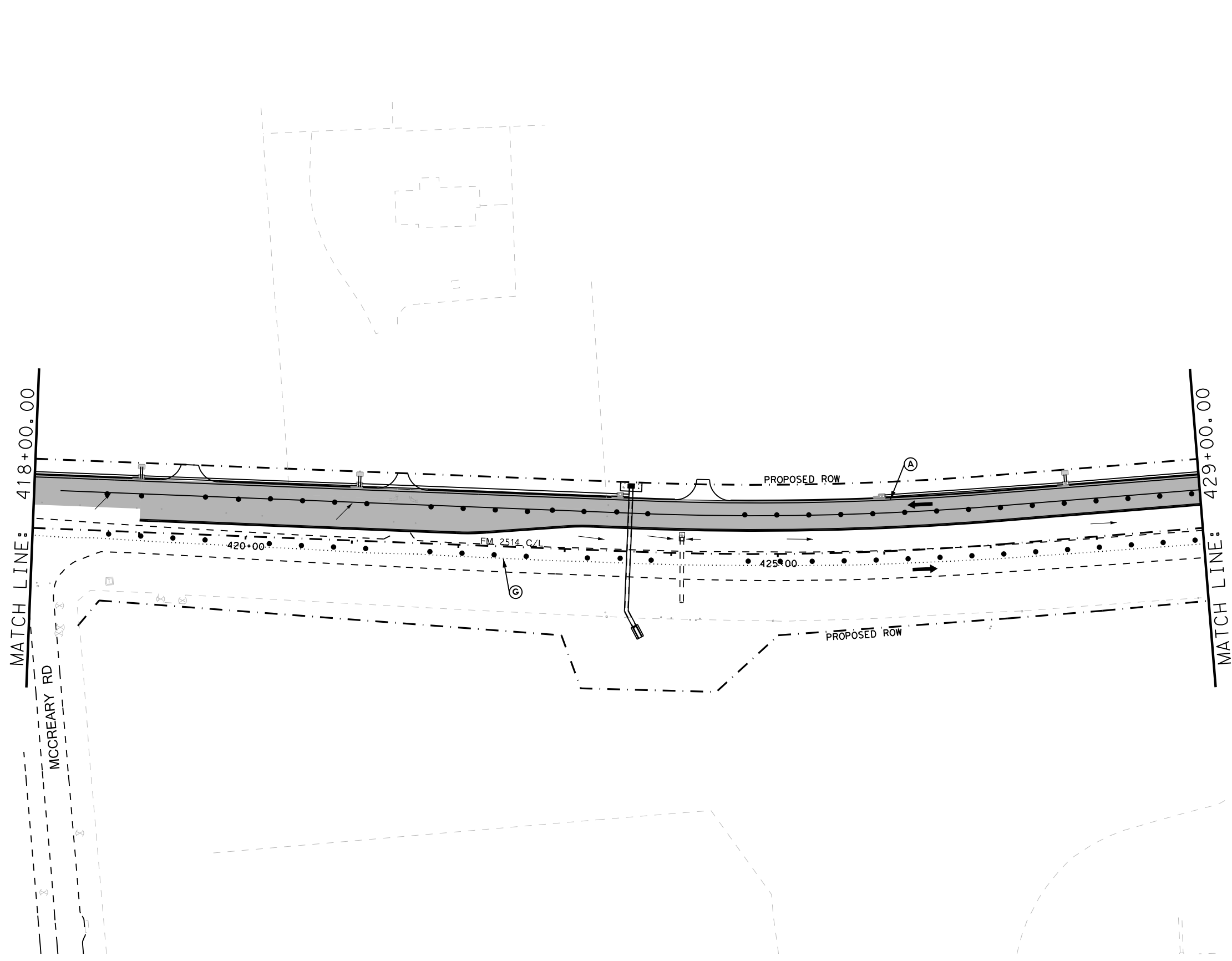
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

SCALE: 1"=100' SHEET 5 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 55
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:05:07 PM

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- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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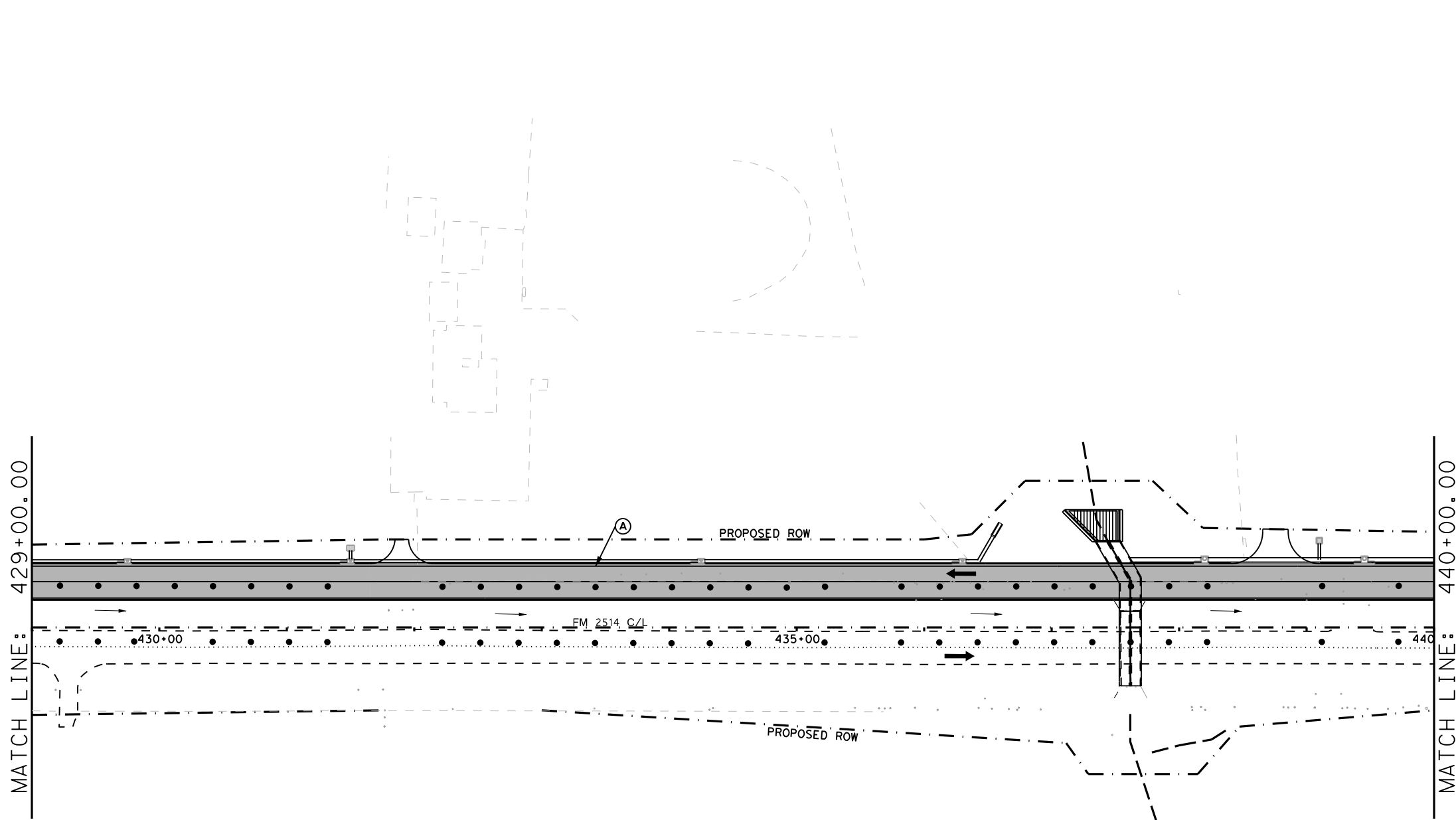
**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1C**

SCALE: 1"=100' SHEET 6 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 56
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:05:15 PM

FILE: c:\pwworkspace\dwg\online\tdot\tdot5\vrachae.l... \tcp\ph\_1c\_layout\_7.dgn



- 0 50 100  
FEET
- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

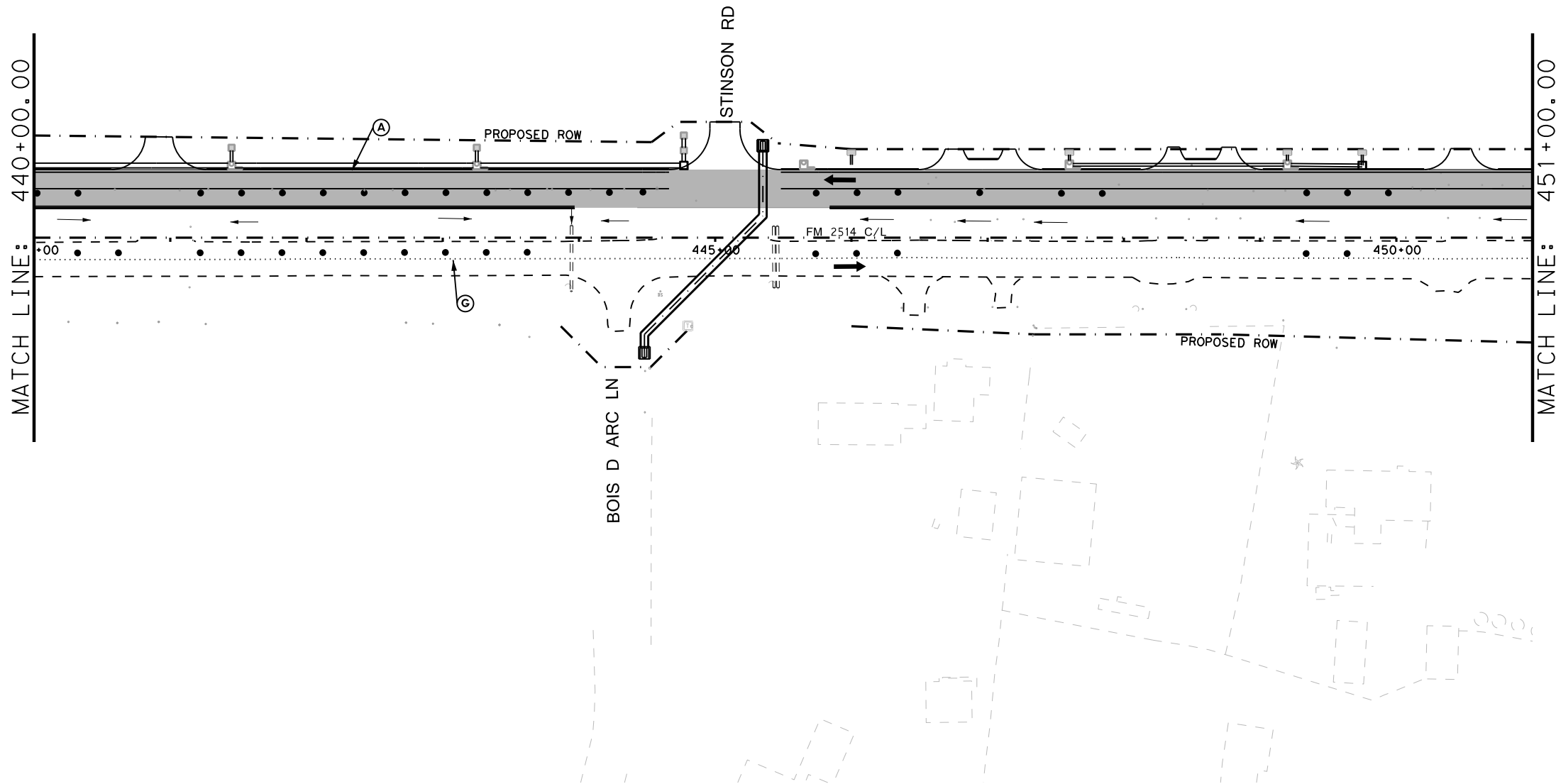
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

SCALE: 1"=100' SHEET 7 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 57
CHECK	CONTROL 2679	SECTION 02	JOB 008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

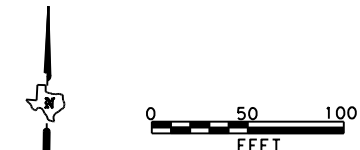
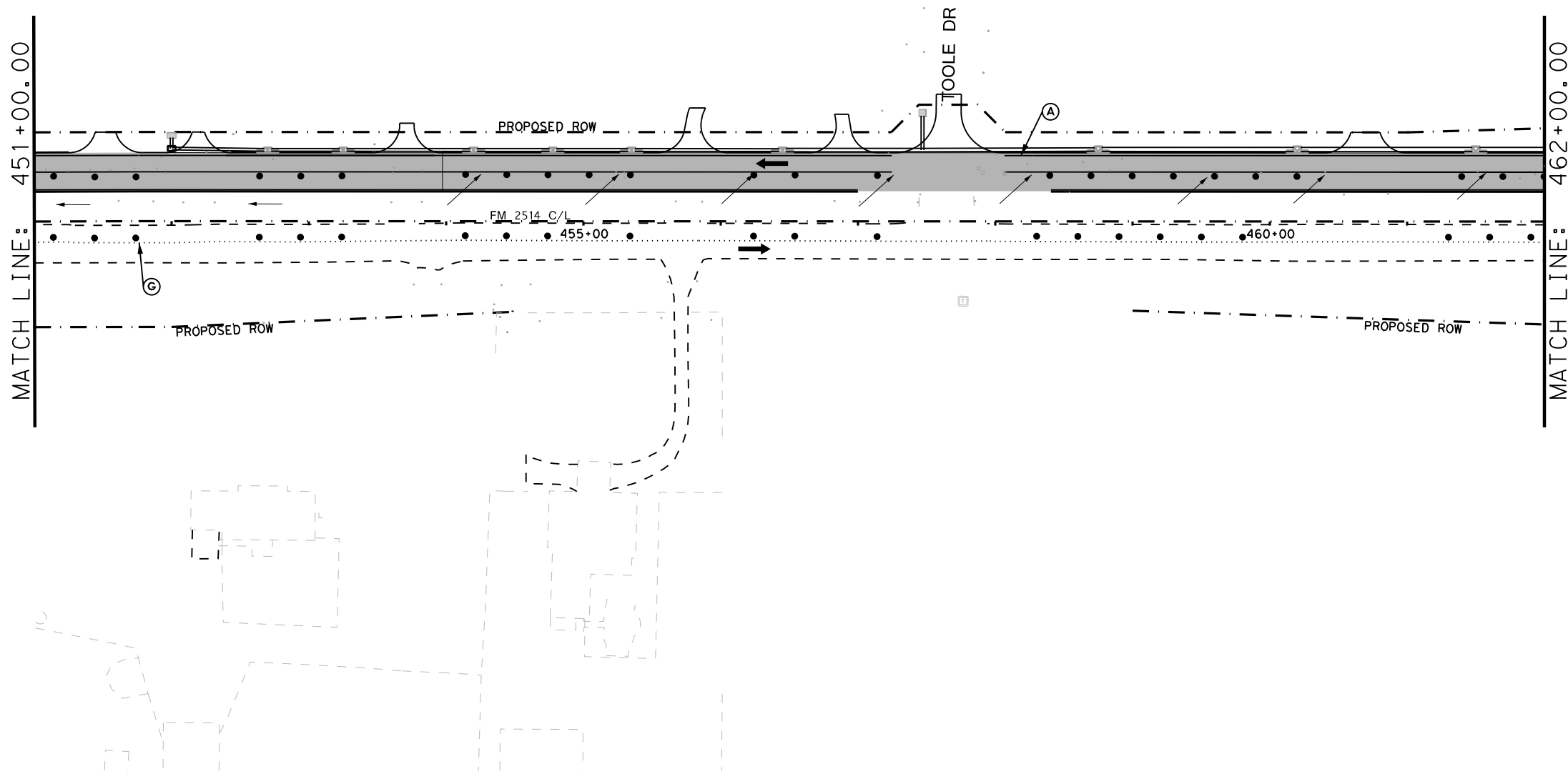
SCALE: 1"=100' SHEET 8 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 58
CHECK	CONTROL 2679	SECTION 02	JOB 008	



DATE: 3/16/2017 TIME: 4:05:33 PM

FILE: c:\pdxdot\dwg\online\txdot\5\vrachae\1.twi\ggs\d0104299\TCP PH 1C LAYOUT 9.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
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- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
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- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

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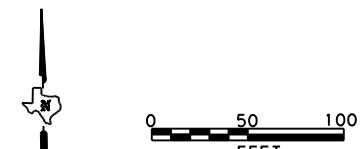
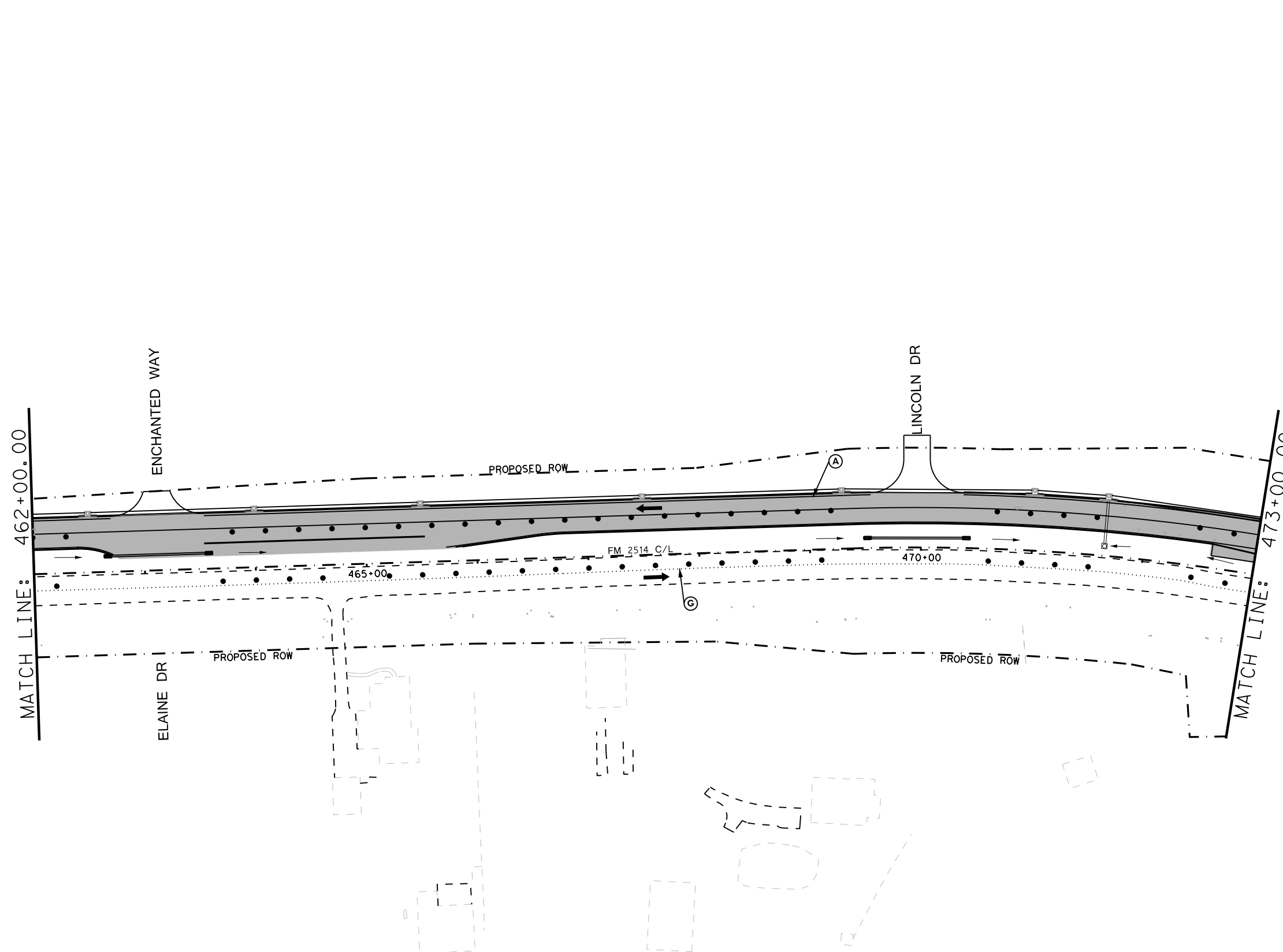


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1C**

SCALE: 1"=100' SHEET 9 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	59
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:05:42 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twggs\d0104299\TCP PH 1C LAYOUT 10.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER

- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

**PRELIMINARY**

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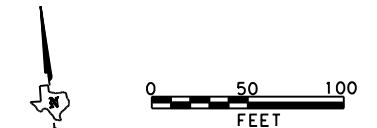
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

SCALE: 1"=100' SHEET 10 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	60
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

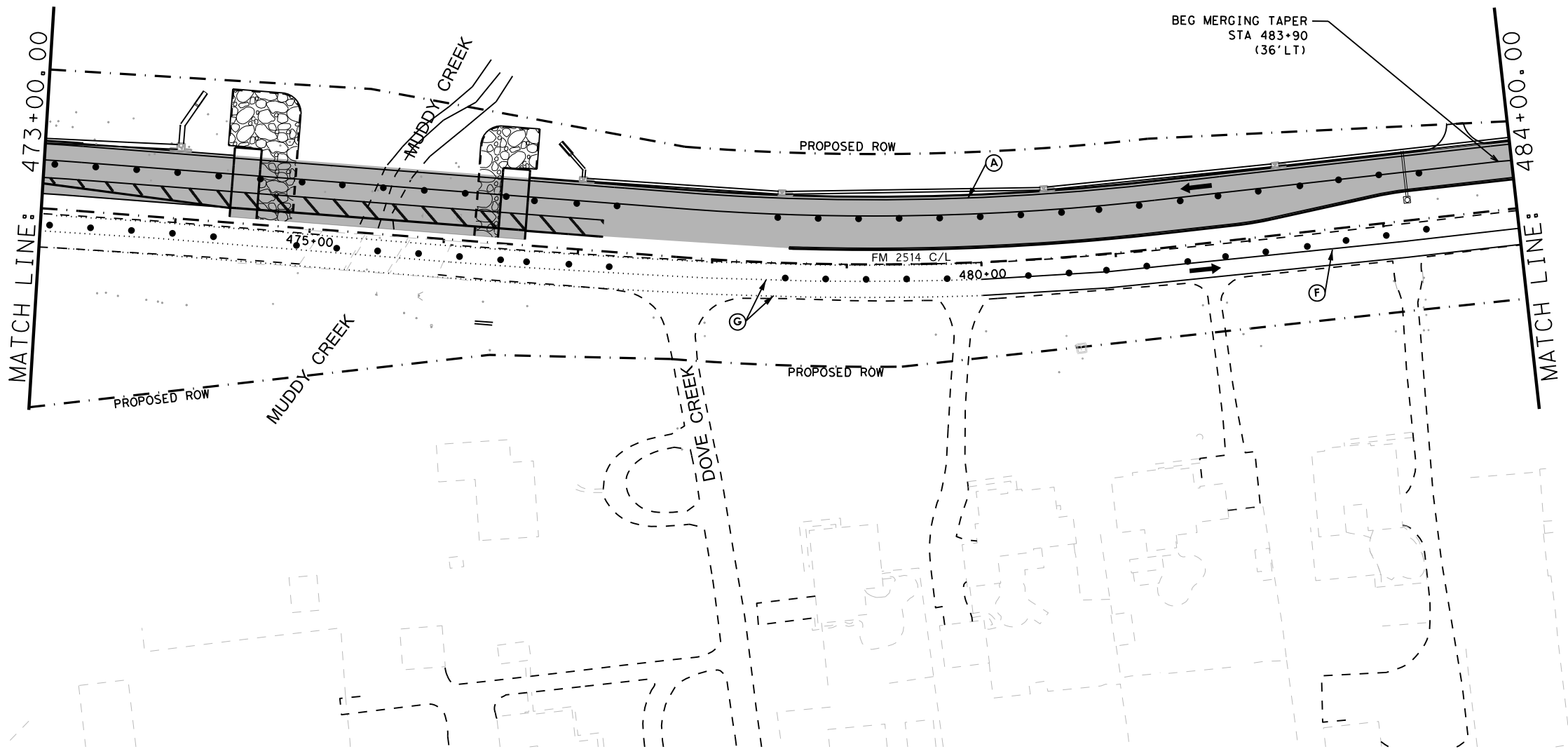
DATE: 3/16/2017 TIME: 4:05:50 PM

FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\d0104299\TCP PH 1C LAYOUT 11.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- 
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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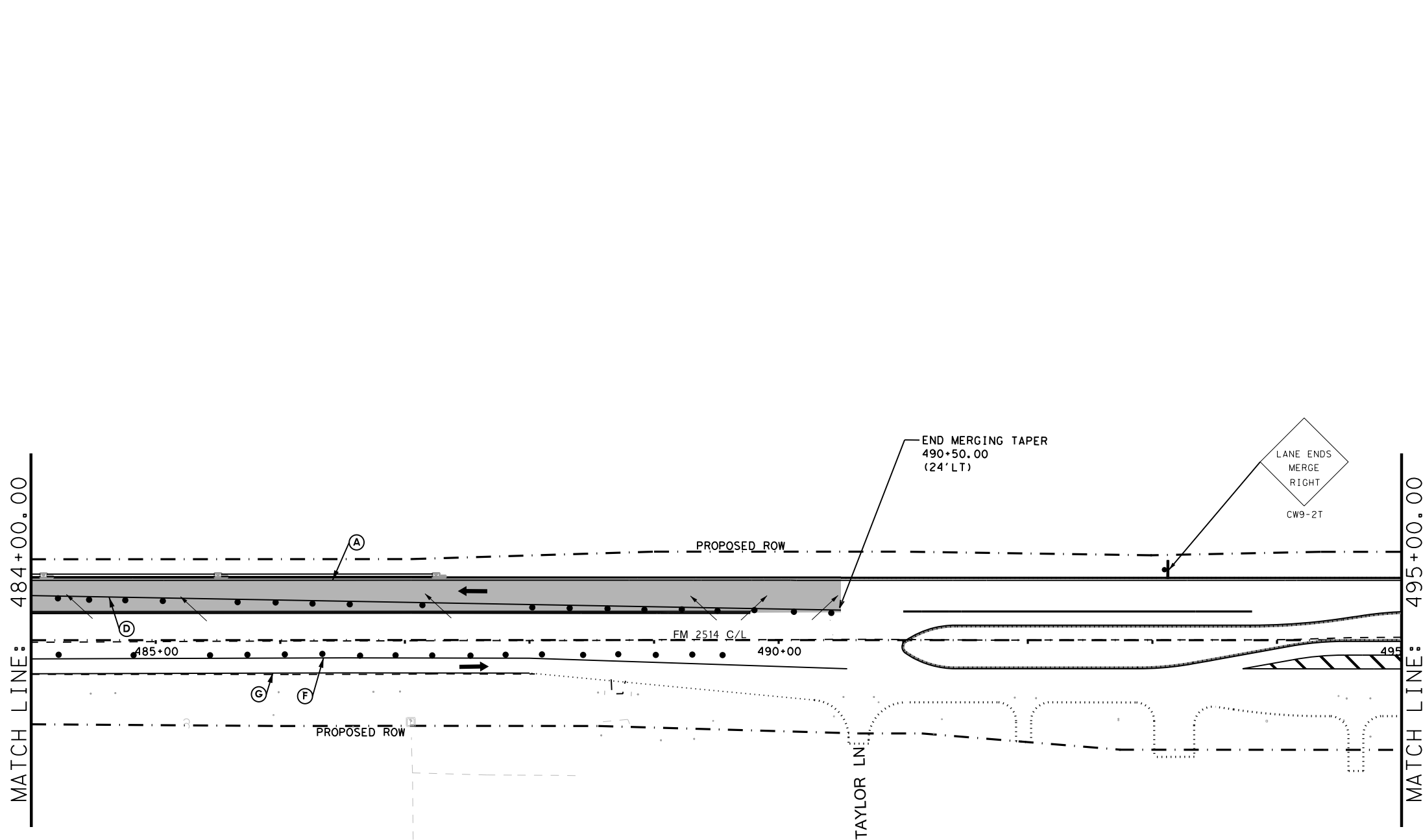
IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES



**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 1C**

SCALE: 1"=100'			SHEET 11 OF 12
DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>	HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY
CHECK	TEXAS	DAL	COLLIN
CHECK	CONTROL	SECTION	JOB
	2679	02	008
			<b>61</b>

DATE: 3/16/2017 TIME: 4:05:59 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\d0104299\TCP PH 1C LAYOUT 12.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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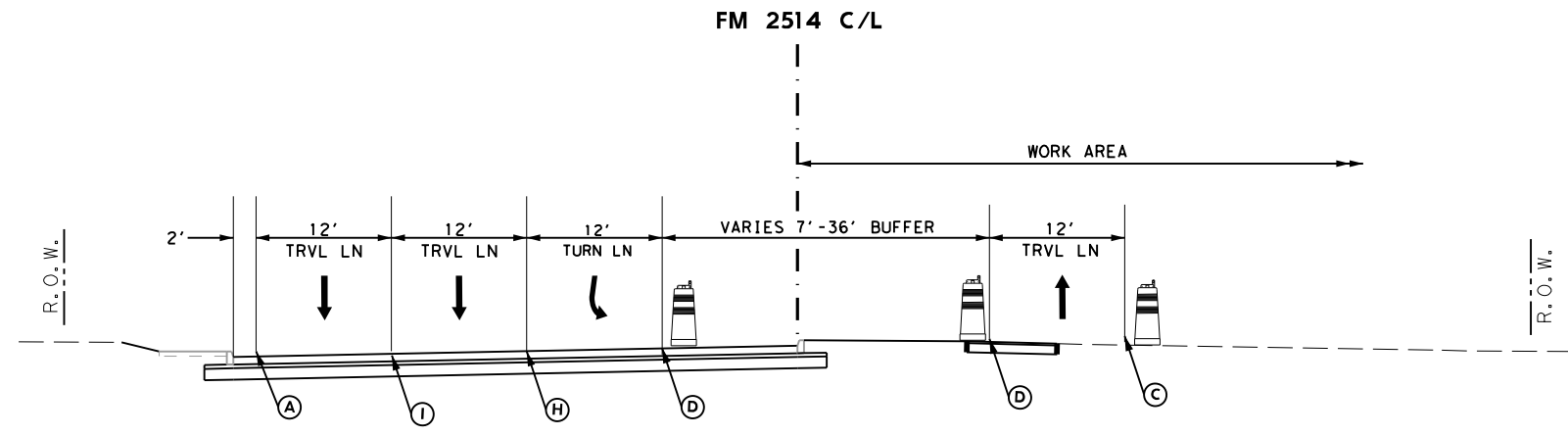
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 1C**

SCALE: 1"=100' SHEET 12 OF 12

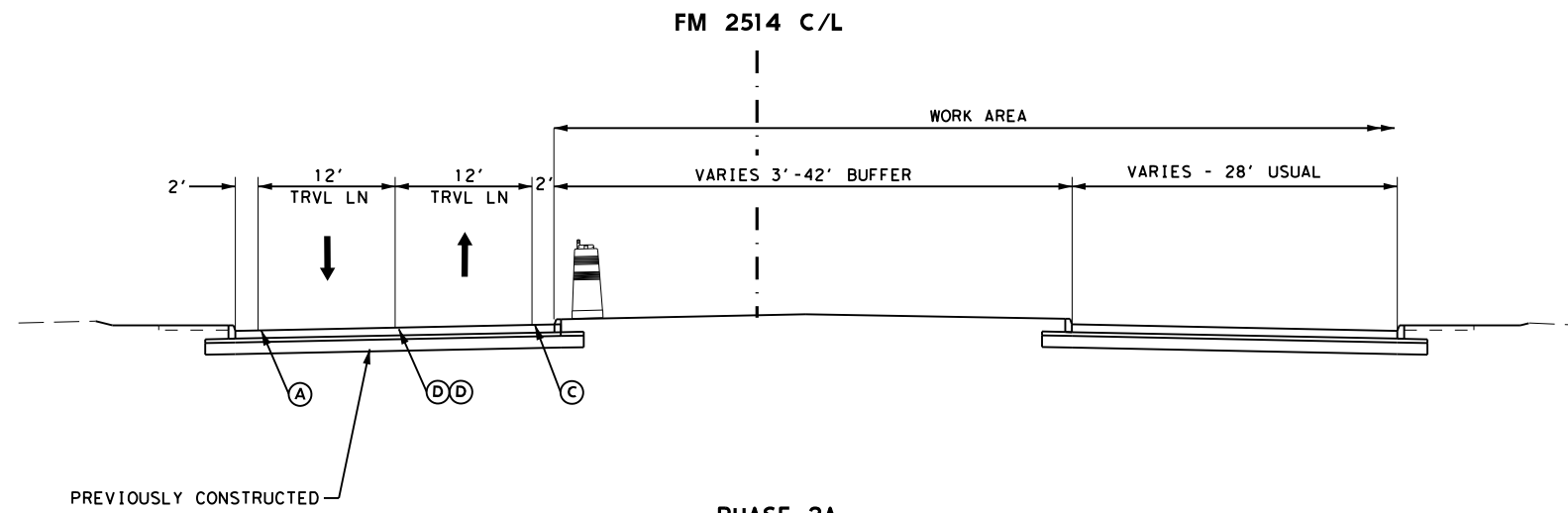
DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>62</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:06:30 PM

FILE: c:\pdxdot\dwg\online\line\txdot\5\vrachae.l...twigggs\d0119817\TCP PH 2 TYPICAL\_SECTION\*1.dgn



PHASE 2A  
TRAFFIC HANDLING SECTION  
PROPOSED CONCRETE PAVEMENT  
FROM STA 366+34.50 TO STA 369+04



PHASE 2A  
TRAFFIC HANDLING SECTION  
PROPOSED CONCRETE PAVEMENT  
FROM STA 369+04 TO STA 490+50

TCP LEGEND

- (A) REFL PAV MRK (W) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (H) WZ PAV MRK REM (W) (8") (SLD)
- (I) WZ PAV MRK REM (W) (4") (BRK)

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ON: 3/16/2017

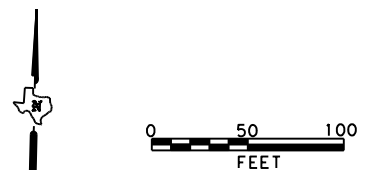
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FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 2  
TYPICAL SECTIONS

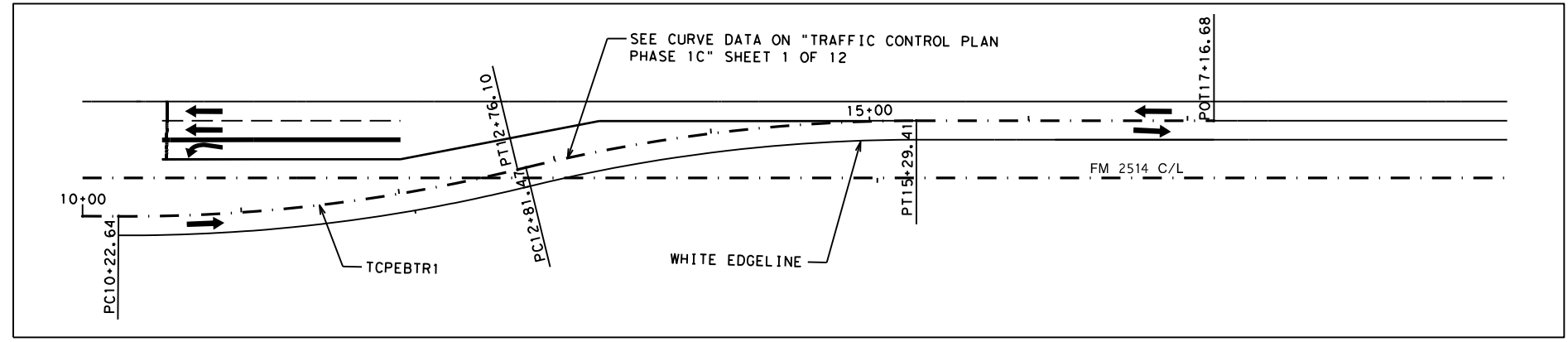
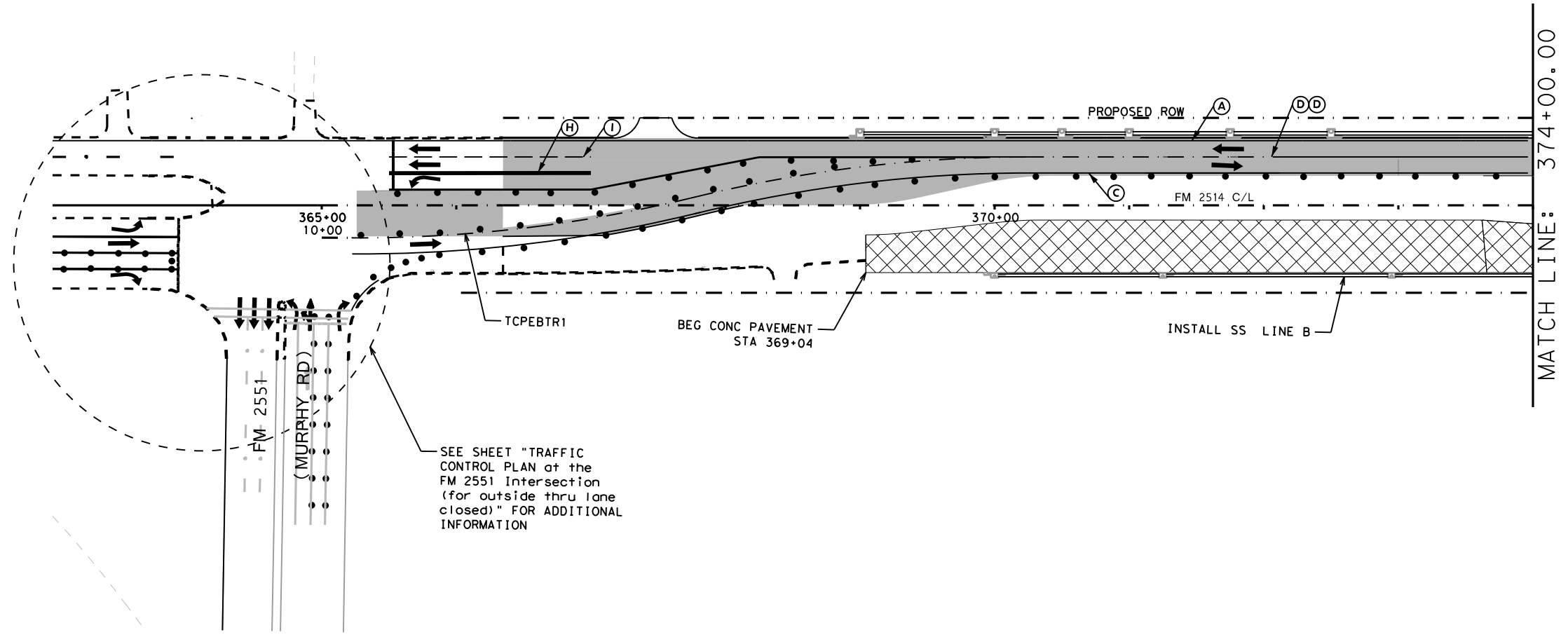
N. T. S.		SHEET 1 OF 1	
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN
CHECK	CONTROL 2679	SECTION 02	JOB 008
			63

DATE: 3/16/2017 TIME: 4:07:12 PM  
 FILE: c:\pdx\online\dwg\online\txdot\5\vrachae.l.twi\ggs\dms99148\tcp PH 2A LAYOUT 1.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)
  - (I) WZ PAV MRK REM (W) (4") (BRK)



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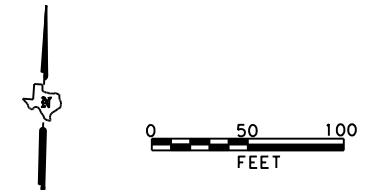
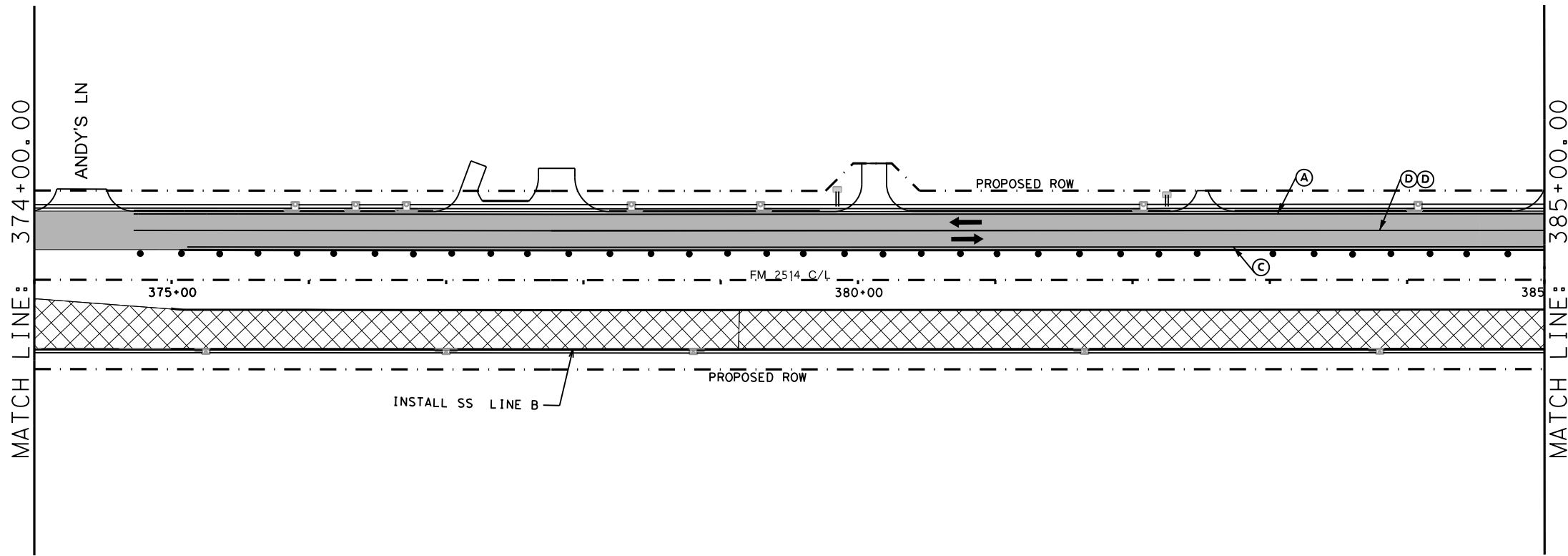
**FM 2514 TRAFFIC CONTROL PLAN PHASE 2A**

SCALE: 1"=100' SHEET 1 OF 13

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE:	DISTRICT:	COUNTY:	SHEET NO.:
CHECK	TEXAS	DAL	COLLIN	64
CHECK	CONTROL:	SECTION:	JOB:	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:07:20 PM

FILE: c:\pwworking\dwg\online\txdot\5\vrachae.l... \tcp\ph\_2a\_layout\_2.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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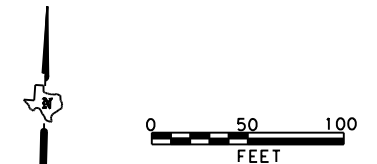
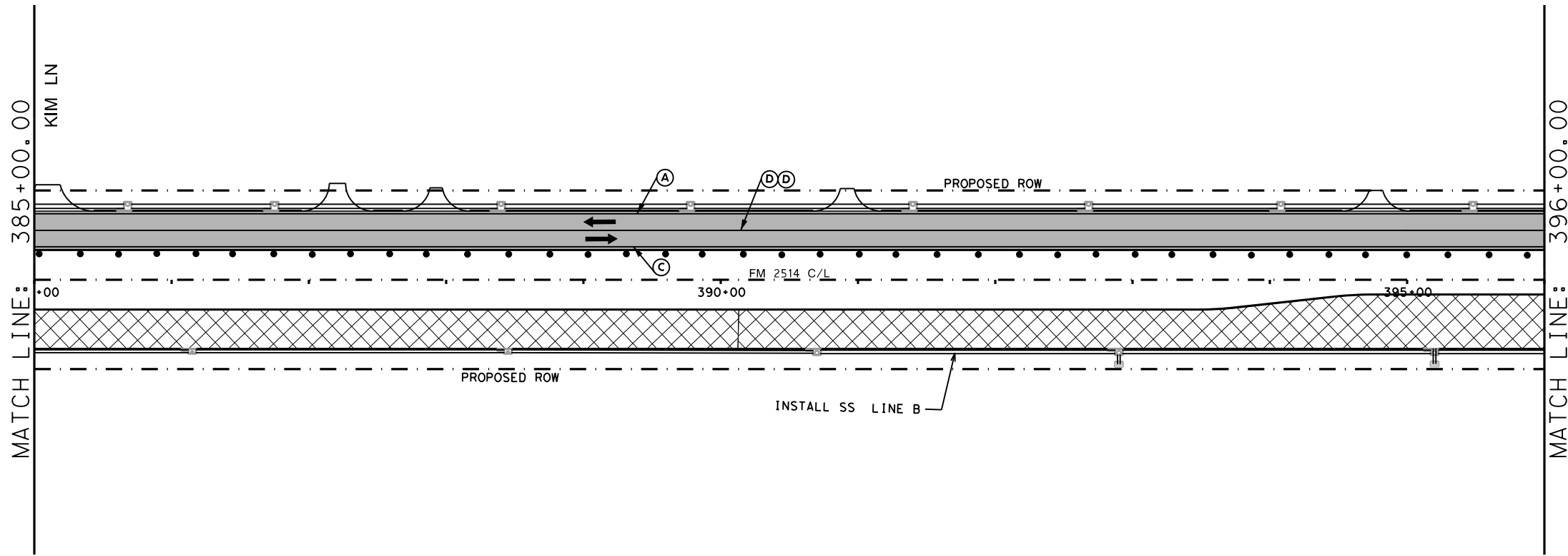


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 2A**

SCALE: 1"=100' SHEET 2 OF 13

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE <b>TEXAS</b>	DISTRICT <b>DAL</b>	COUNTY <b>COLLIN</b>	SHEET NO. <b>65</b>
CHECK	CONTROL <b>2679</b>	SECTION <b>02</b>	JOB <b>008</b>	

DATE: 3/16/2017 TIME: 4:07:29 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\dms99148\TCP PH 2A LAYOUT 3.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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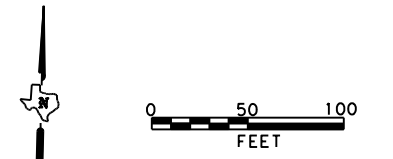
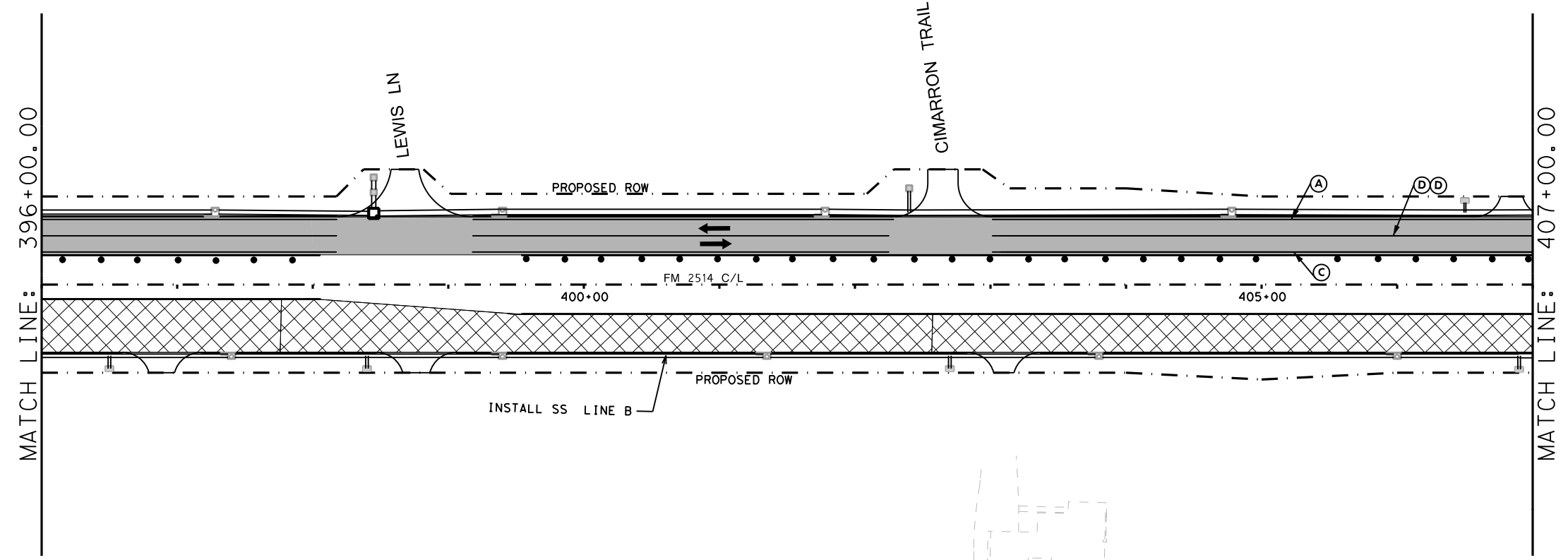
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 3 OF 13

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 66
CHECK	CONTROL 2679	SECTION 02	JOB 008	



DATE: 3/16/2017 TIME: 4:07:37 PM  
 FILE: c:\pwworking\dwg\online\tdot\5\vrachae.l... \tcp PH 2A LAYOUT 4.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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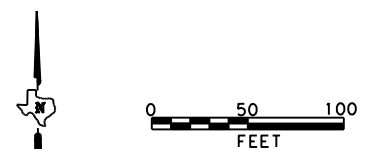
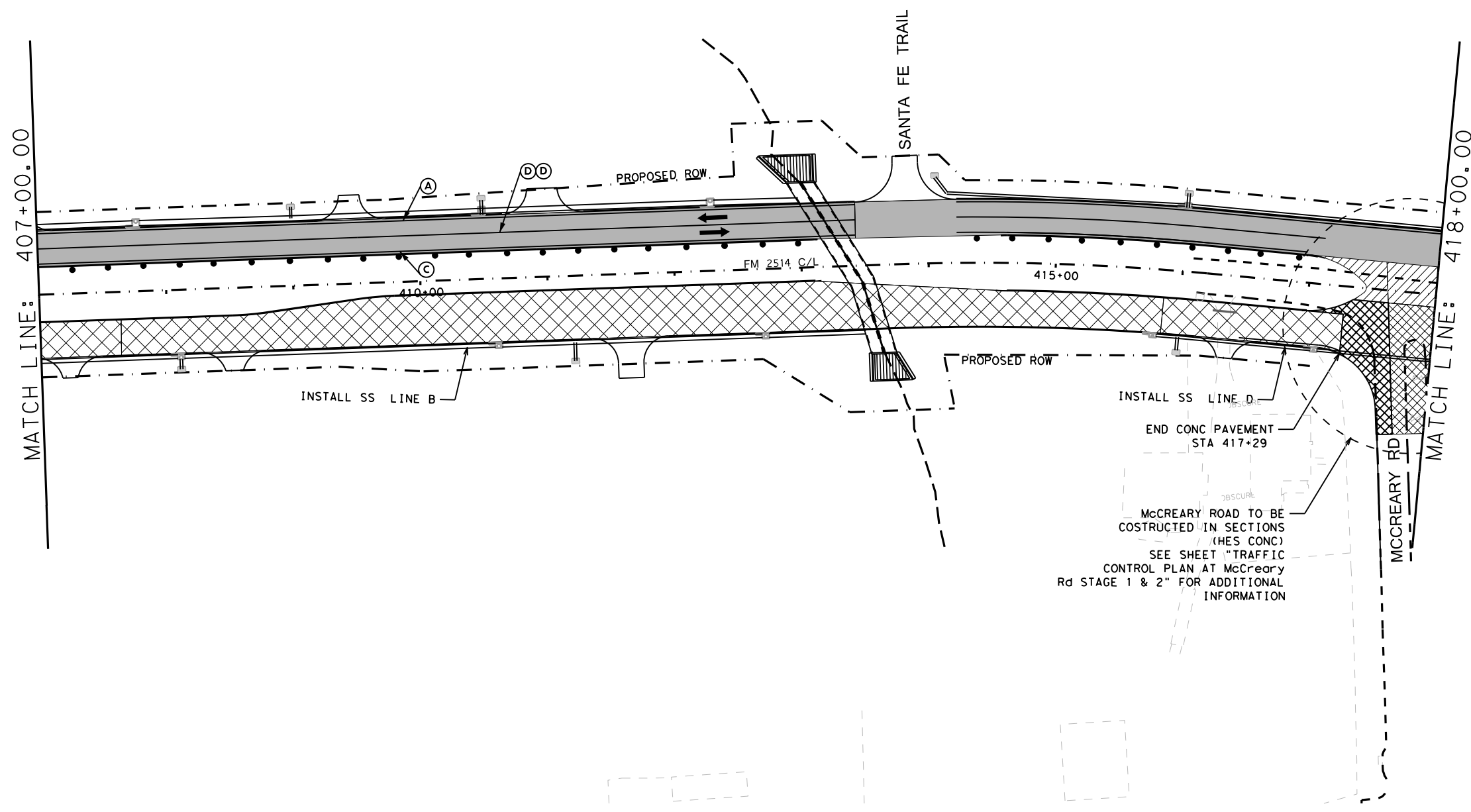


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 4 OF 13

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 67
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:07:45 PM  
 FILE: c:\pwworking\dwg\online\tdot\5\vrachae.l... \tcp\ph\_2a\_layout\_5.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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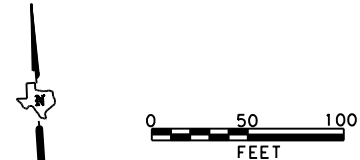
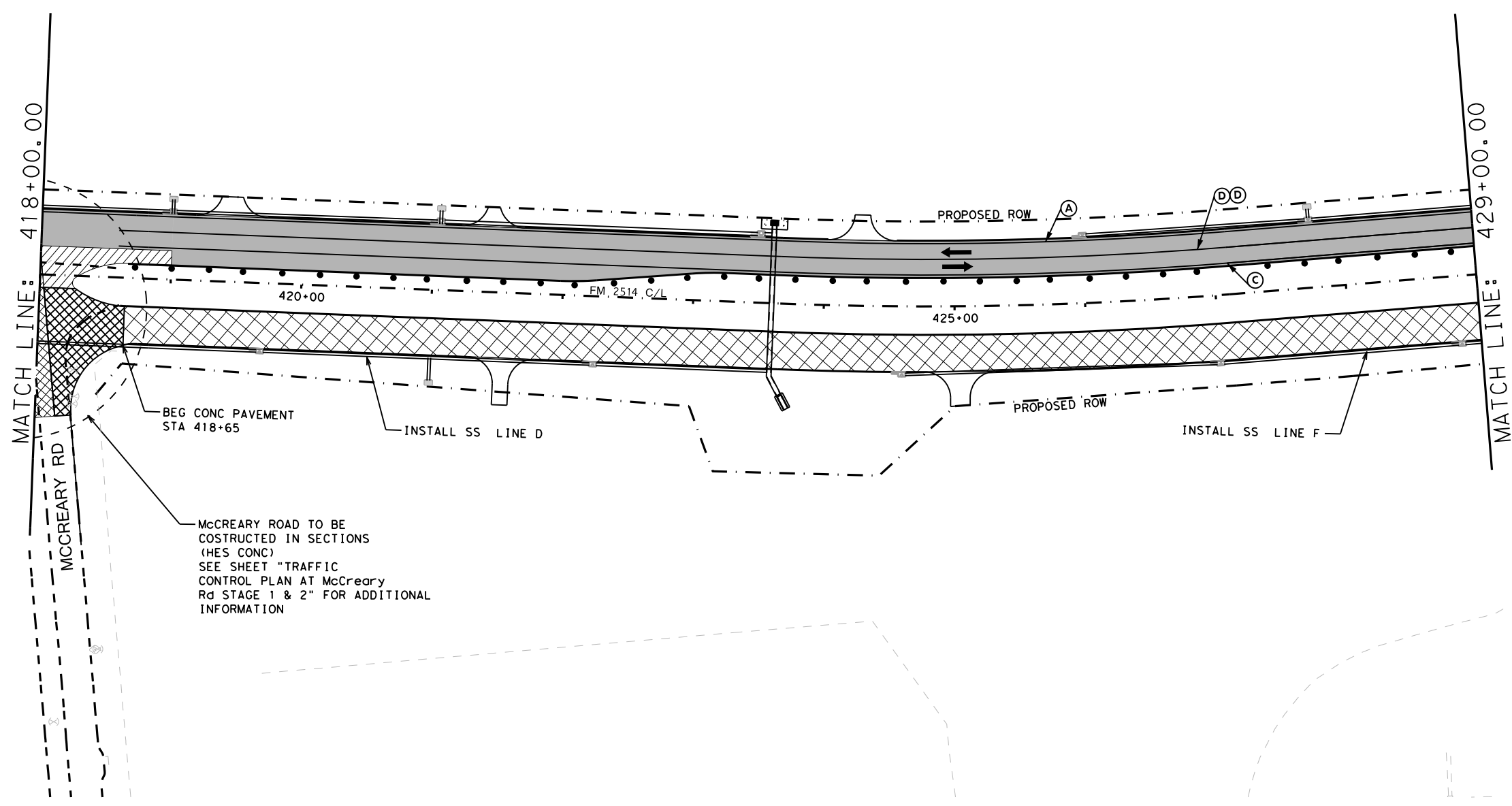
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 5 OF 13

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 68
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:07:54 PM

FILE: c:\pwworking\dwg\on\line\txdot\5\vrachae\1.twi\ggs\dms99148\tcp\_ph\_2a\_layout\_6.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

MCCREARY ROAD TO BE  
CONSTRUCTED IN SECTIONS  
(HES CONC)  
SEE SHEET "TRAFFIC  
CONTROL PLAN AT McCreary  
Rd STAGE 1 & 2" FOR ADDITIONAL  
INFORMATION

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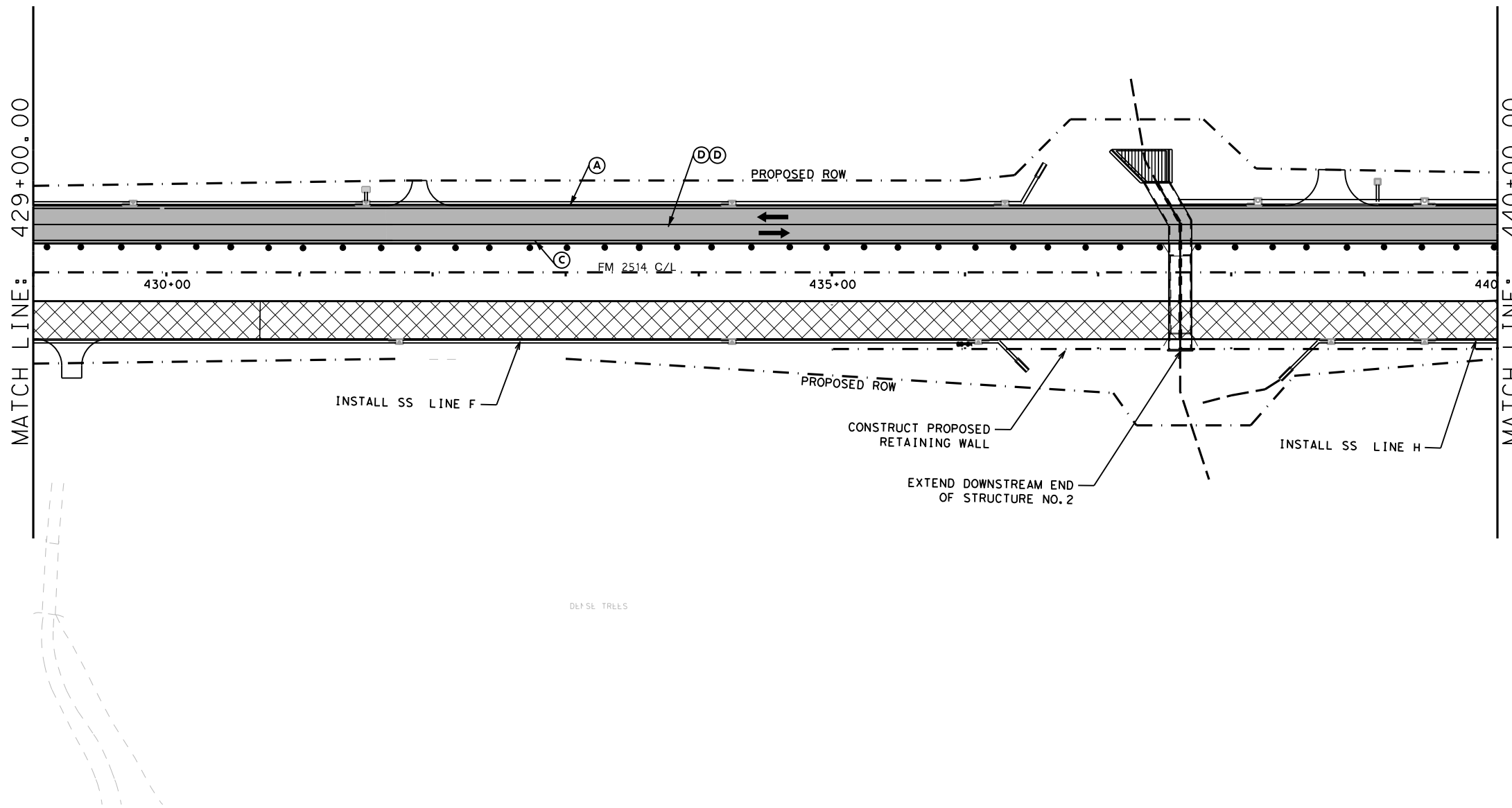


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 2A**

SCALE: 1"=100' SHEET 6 OF 13

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE:	DISTRICT:	COUNTY:	SHEET NO.:
CHECK	TEXAS	DAL	COLLIN	69
	CONTROL:	SECTION:	JOB:	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:08:02 PM  
 FILE: c:\pdxdot\dwg\online\tdot\5\vrachae.l...twigggs\dms99148\TCP PH 2A LAYOUT 7.dgn



- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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 ON: 3/16/2017  
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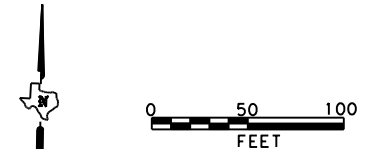
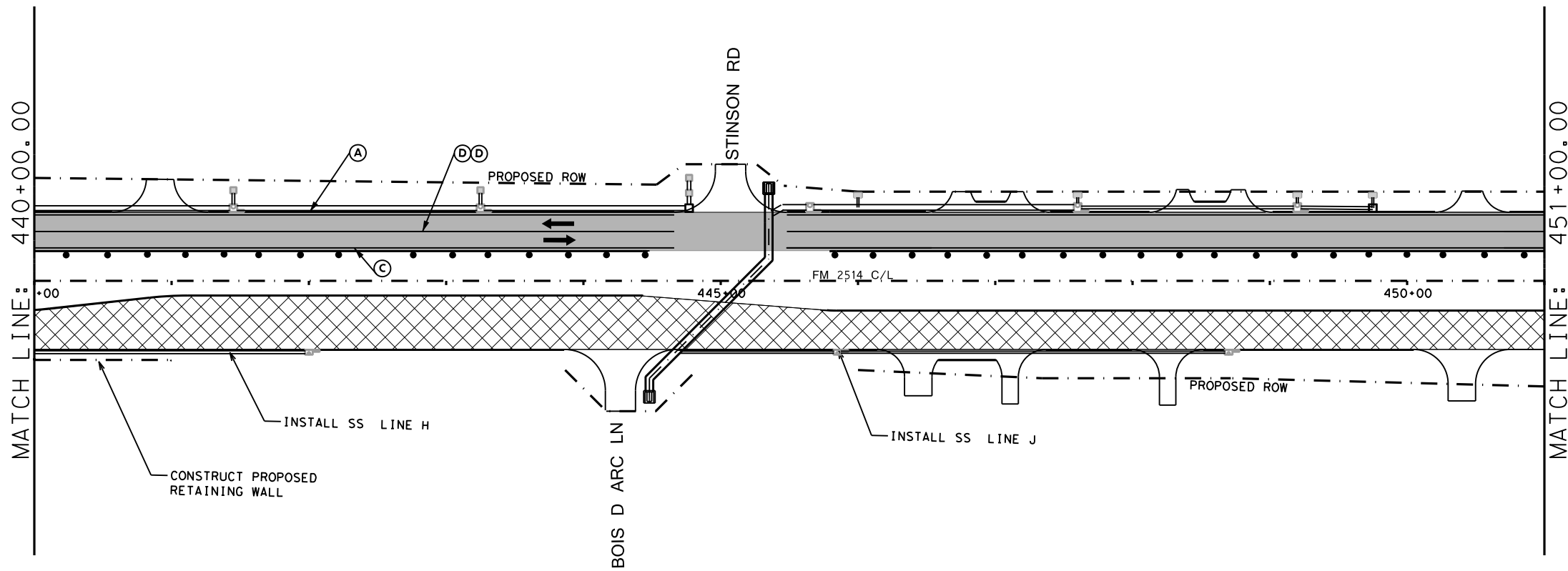


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 7 OF 13

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE:	DISTRICT:	COUNTY:	SHEET NO.:
CHECK	TEXAS	DAL	COLLIN	70
CHECK	CONTROL:	SECTION:	JOB:	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:08:10 PM  
 FILE: c:\pdxdot\dwg\online\line\txdot\5\vrachae\l.\twigggs\dms99148\TCP PH 2A LAYOUT 8.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 8 OF 13

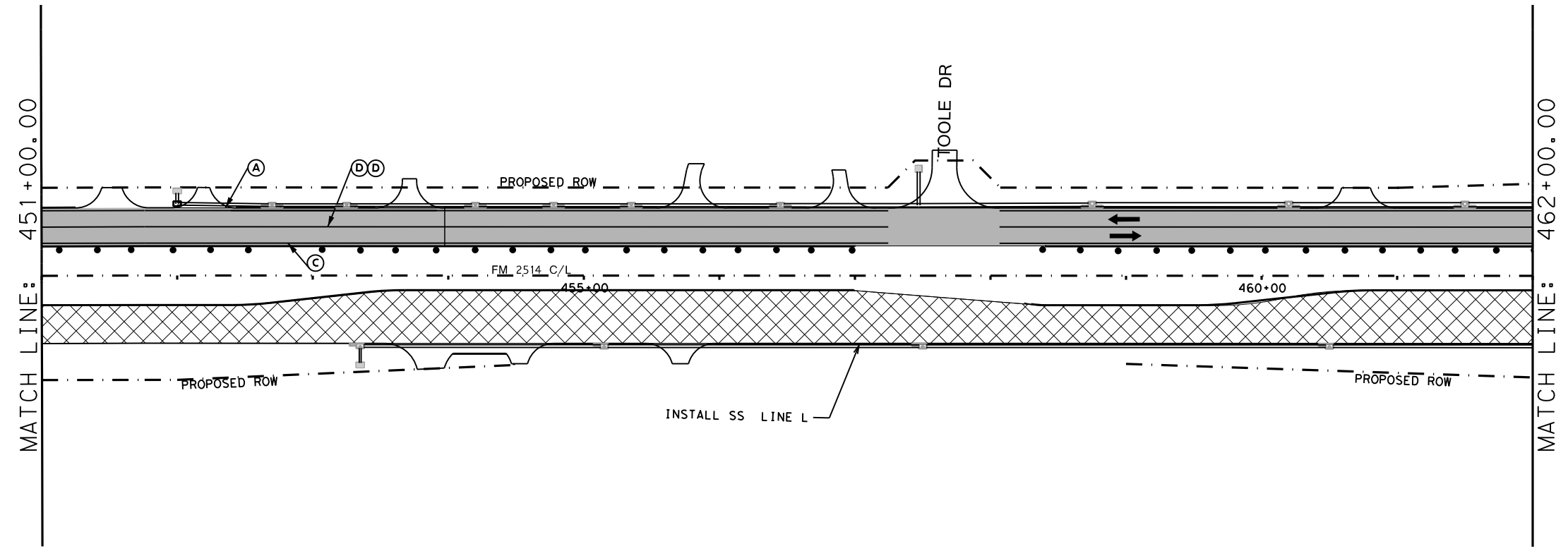
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GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 71
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:08:19 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l.twi\ggs\dms99148\tcp\_ph\_2a\_layout\_9.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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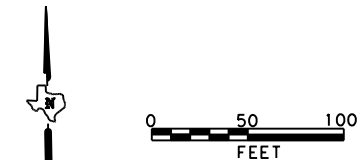
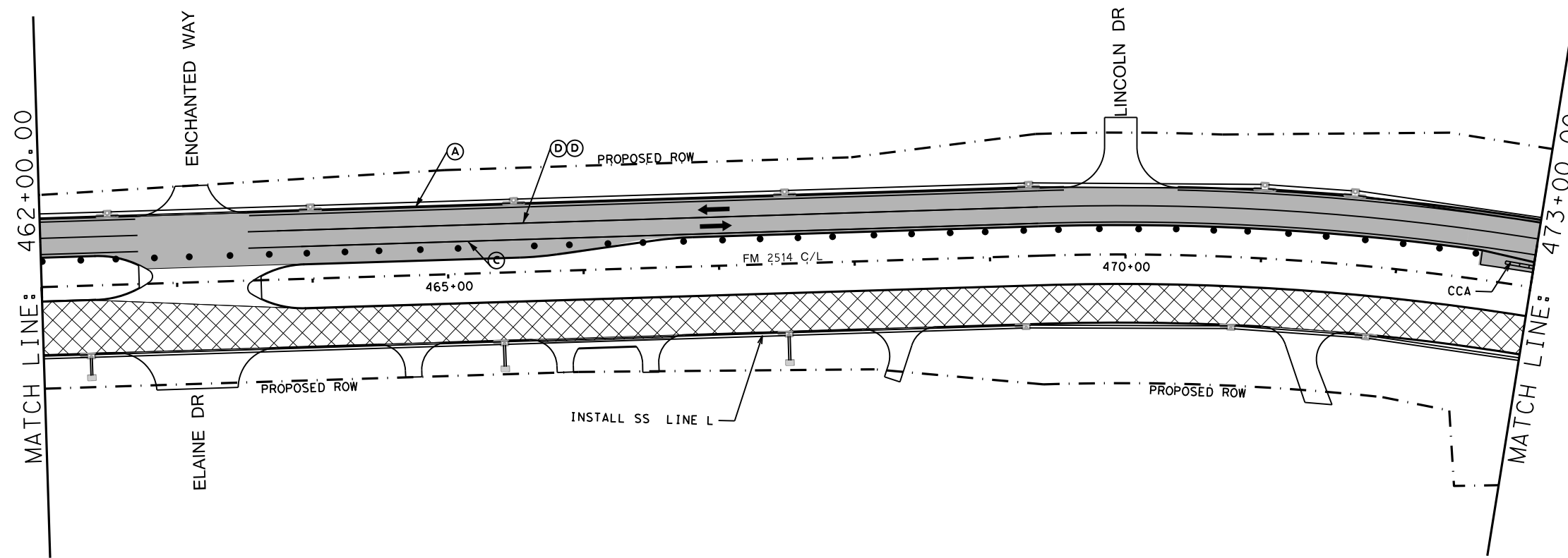


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 9 OF 13

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>72</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:08:28 PM  
 FILE: c:\pdx\dot\dw\*online\txdot\5\vrachae.l.\twi\ggs\dms99148\TCP PH 2A LAYOUT 10.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER

- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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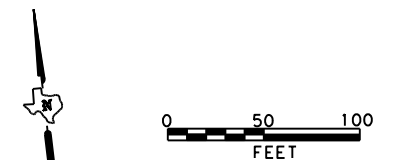


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 10 OF 13

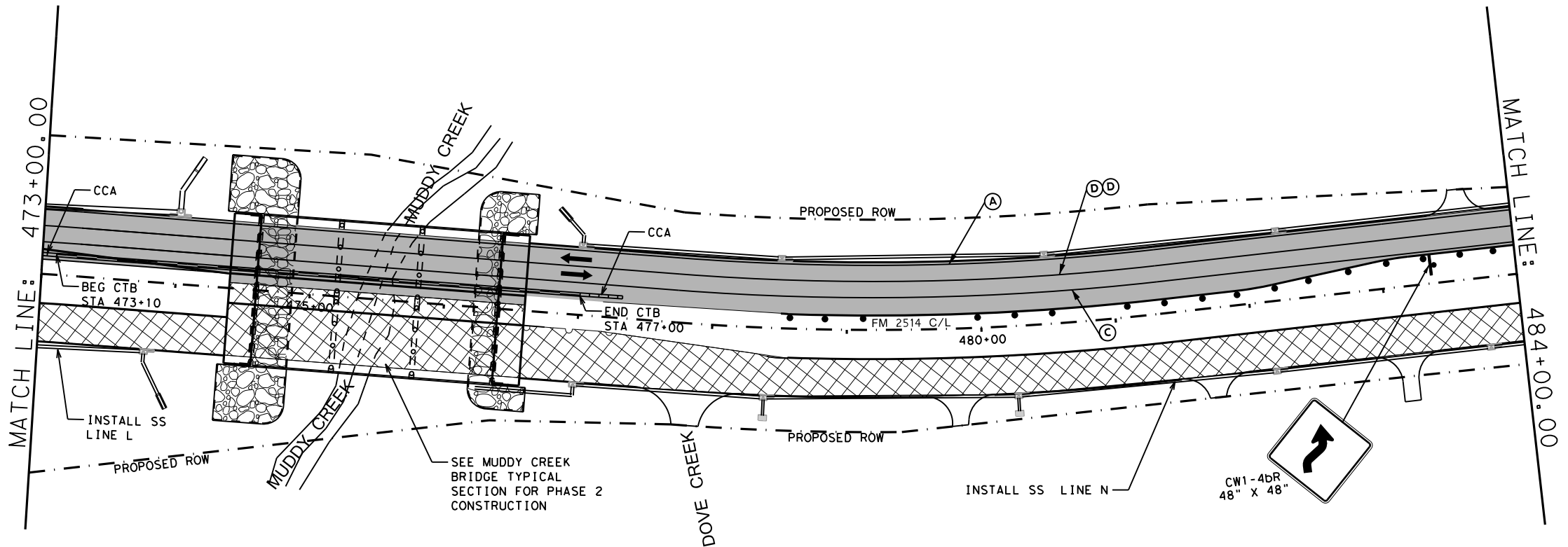
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE:	DISTRICT:	COUNTY:	SHEET NO.:
CHECK	TEXAS	DAL	COLLIN	73
	CONTROL:	SECTION:	JOB:	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:08:36 PM  
 FILE: c:\pdxdot\dwg\online\tcp\phase2\mud\mud99148\tcp\_ph\_2a\_layout\_11.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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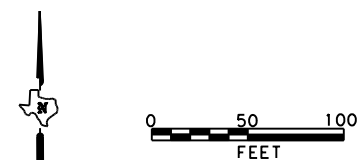
**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 11 OF 13

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 74
CHECK	CONTROL 2679	SECTION 02	JOB 008	

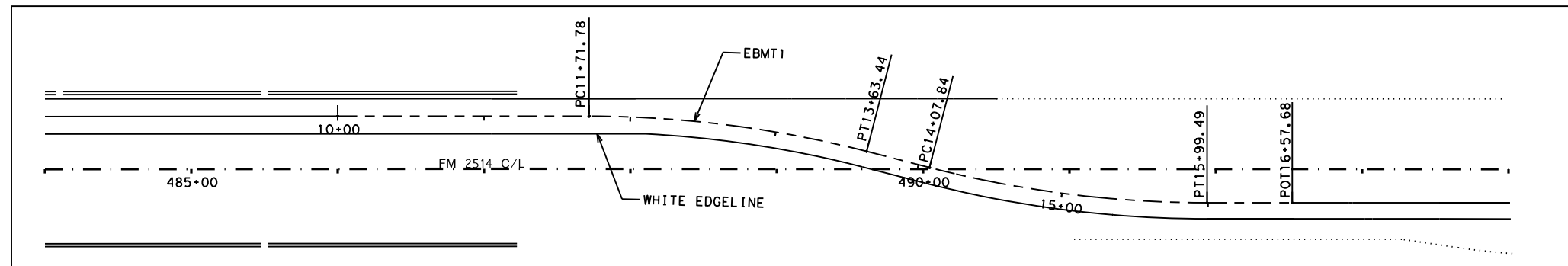
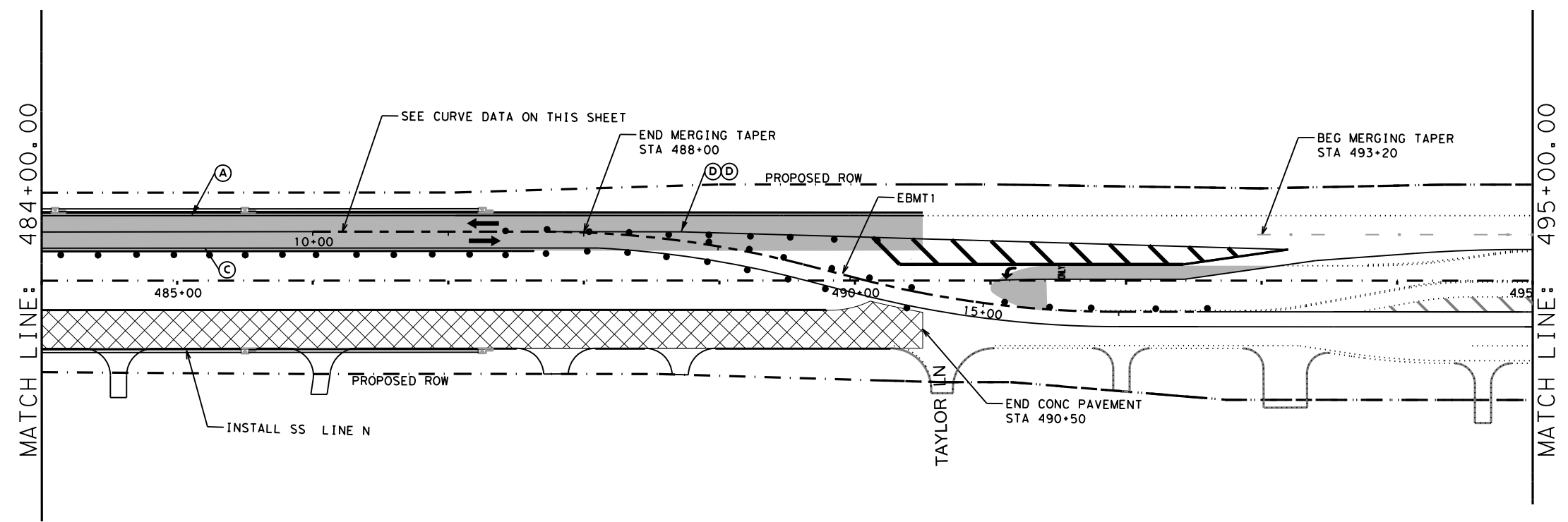


DATE: 3/16/2017 TIME: 4:08:45 PM  
 FILE: c:\pwworking\dwg\oneline\tcp\ms99148\tcp\_ph\_2a\_layout\_12.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



**CURVE DATA**

Beginning chain EBMT1 description  
 Description: Revised 7/16/14 - previous PRCL chain (now PRCL (OLD2)) extended beyond project limits on east side.

Point EBMT1 X 2,559,454.94 Y 7,073,113.14 Sta 10+00.00  
 Course from EBMT1 to PC EBMT11 S 89° 48' 37.80" E Dist 171.78

Curve Data			
Curve EBMT11			
P.I. Station	12+68.12	X	2,559,723.06 Y 7,073,112.25
Delta	14° 24' 38.53"	(RT)	
Degree	7° 31' 08.87"		
Tangent	96.34		
Length	191.65		
Radius	762.00		
External	6.07		
Long Chord	191.15		
Mid. Ord.	6.02		
P.C. Station	11+71.78	X	2,559,626.72 Y 7,073,112.57
P.T. Station	13+63.44	X	2,559,816.28 Y 7,073,087.97
C.C.		X	2,559,624.20 Y 7,072,350.57
Back	S 89° 48' 37.80"	E	
Ahead	S 75° 23' 59.27"	E	
Chord Bear	S 82° 36' 18.54"	E	

Course from PT EBMT11 to PC EBMT12 S 75° 23' 59.27" E Dist 44.40

**Curve Data**

Curve EBMT12			
P.I. Station	15+04.17	X	2,559,952.47 Y 7,073,052.49
Delta	14° 24' 38.53"	(LT)	
Degree	7° 31' 08.87"		
Tangent	96.34		
Length	191.65		
Radius	762.00		
External	6.07		
Long Chord	191.15		
Mid. Ord.	6.02		
P.C. Station	14+07.84	X	2,559,859.25 Y 7,073,076.77
P.T. Station	15+99.49	X	2,560,048.81 Y 7,073,052.17
C.C.		X	2,560,051.33 Y 7,073,814.17
Back	S 75° 23' 59.27"	E	
Ahead	S 89° 48' 37.80"	E	
Chord Bear	S 82° 36' 18.54"	E	

Course from PT EBMT12 to EBMT2 S 89° 48' 37.80" E Dist 58.18

Point EBMT2 X 2,560,106.99 Y 7,073,051.98 Sta 16+57.68

Ending chain EBMT1 description

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ON: 3/16/2017

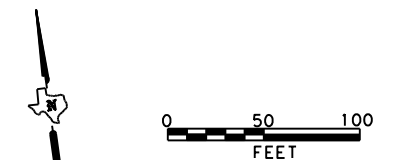
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

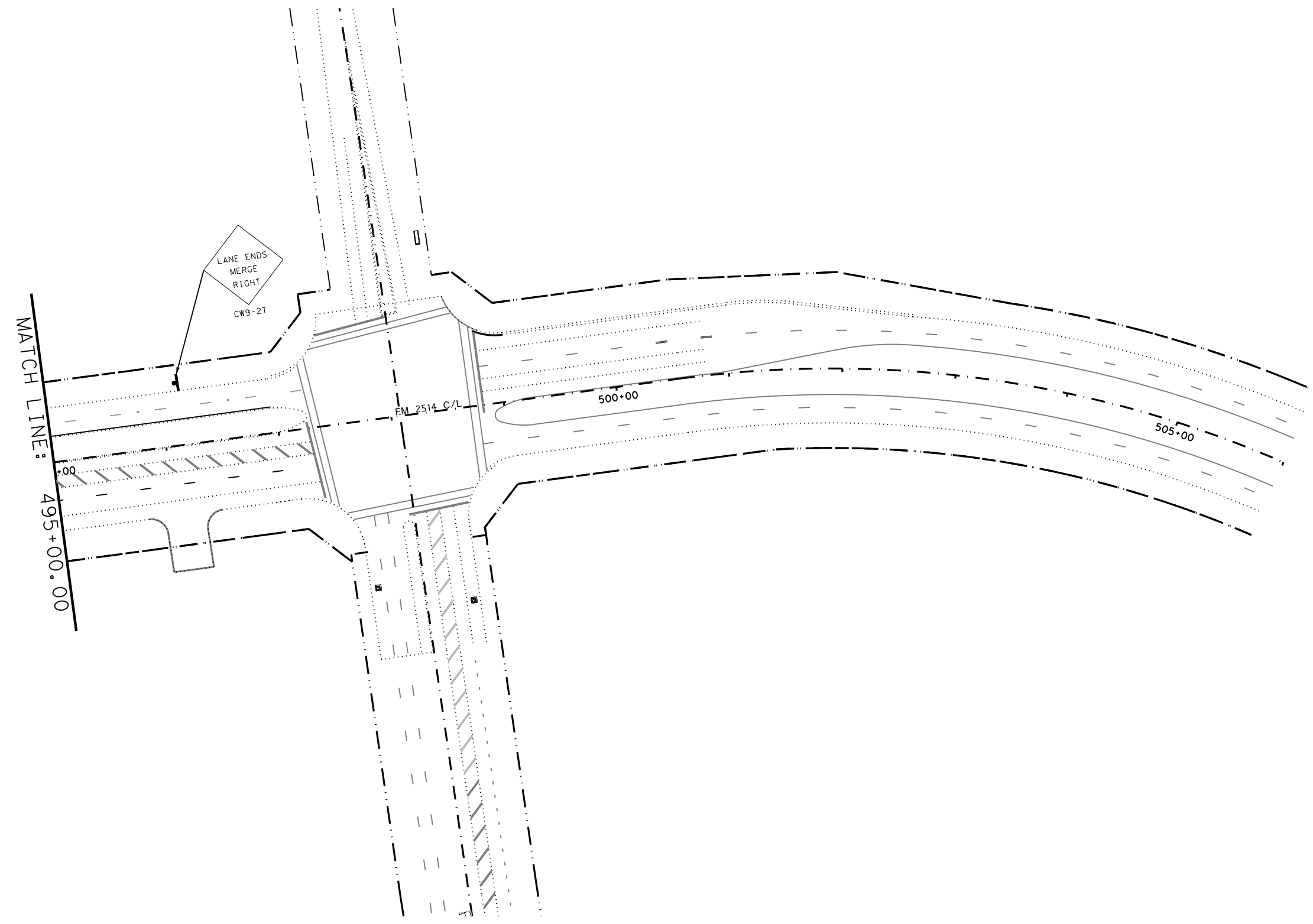
SCALE: 1"=100'		SHEET 12 OF 13	
DESIGN	FED. RD. DIV. NO.: 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
CHECK			75

DATE: 3/16/2017 TIME: 4:08:53 PM  
 FILE: c:\pdxdot\dwg\online\txdot\5\vrachae.l, twigggs\dms99148\tcp PH 2A LAYOUT 13.dgn



TCP LEGEND

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

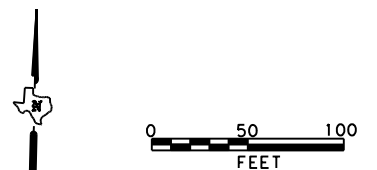


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 2A**

SCALE: 1"=100' SHEET 13 OF 13

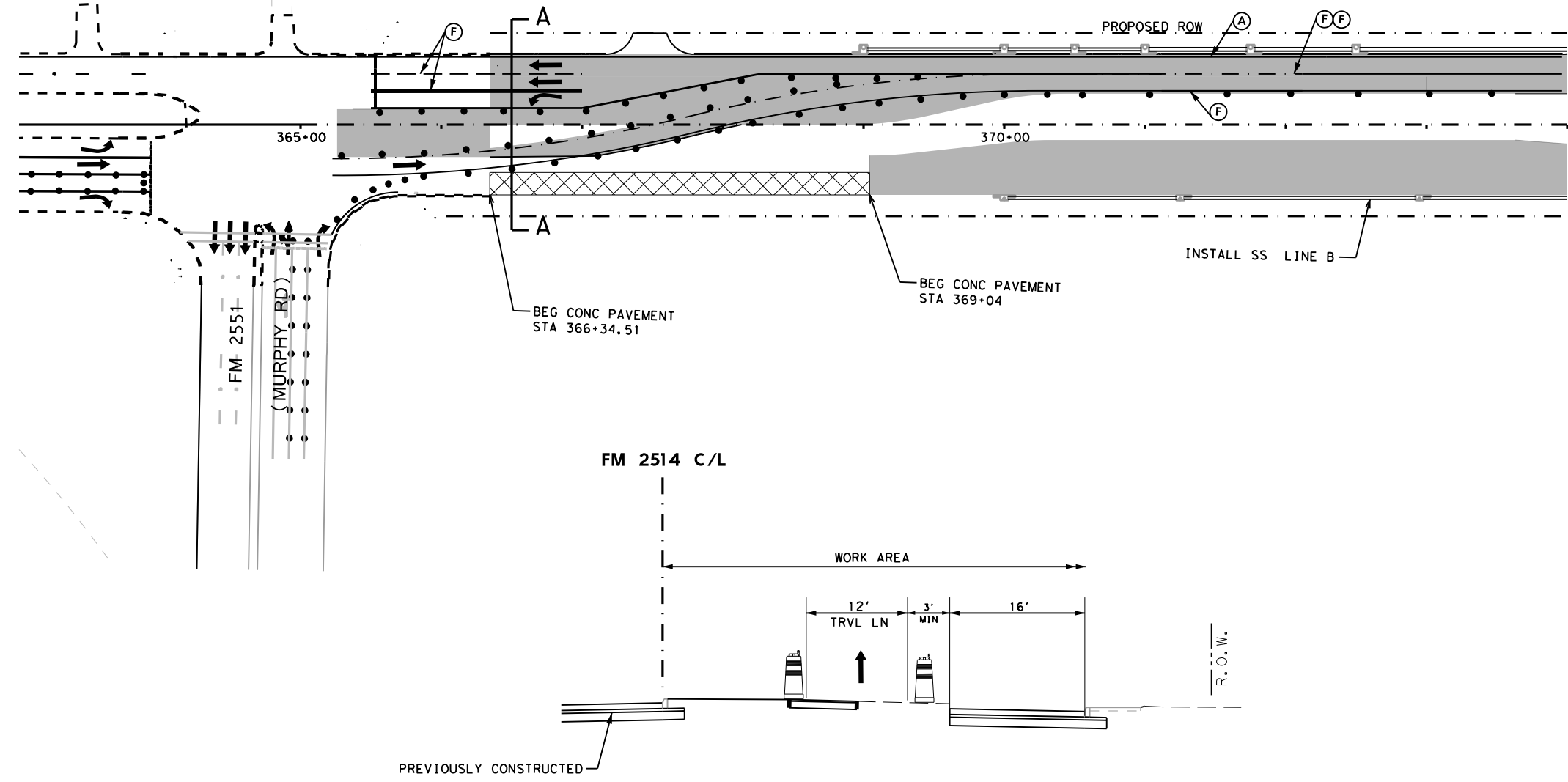
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GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	<b>TEXAS</b>	<b>DAL</b>	<b>COLLIN</b>	<b>76</b>
CHECK	CONTROL	SECTION	JOB	
	<b>2679</b>	<b>02</b>	<b>008</b>	

DATE: 3/16/2017 TIME: 4:09:36 PM  
 FILE: c:\pwworking\dwg\on\line\txdot\5\vrachae\1.twi\ggs\d0111553\TCP PH 2B LAYOUT 1.dgn



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- 
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



**SECTION A-A**  
 FROM STA 366+34.50 TO STA 369+04

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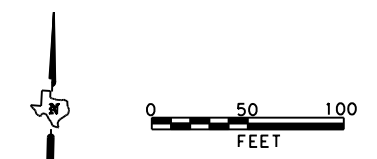


**FM 2514**  
**TRAFFIC CONTROL PLAN**  
**PHASE 2B**

SCALE: 1"=100' SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	77
	CONTROL	SECTION	JOB	
	2679	02	008	

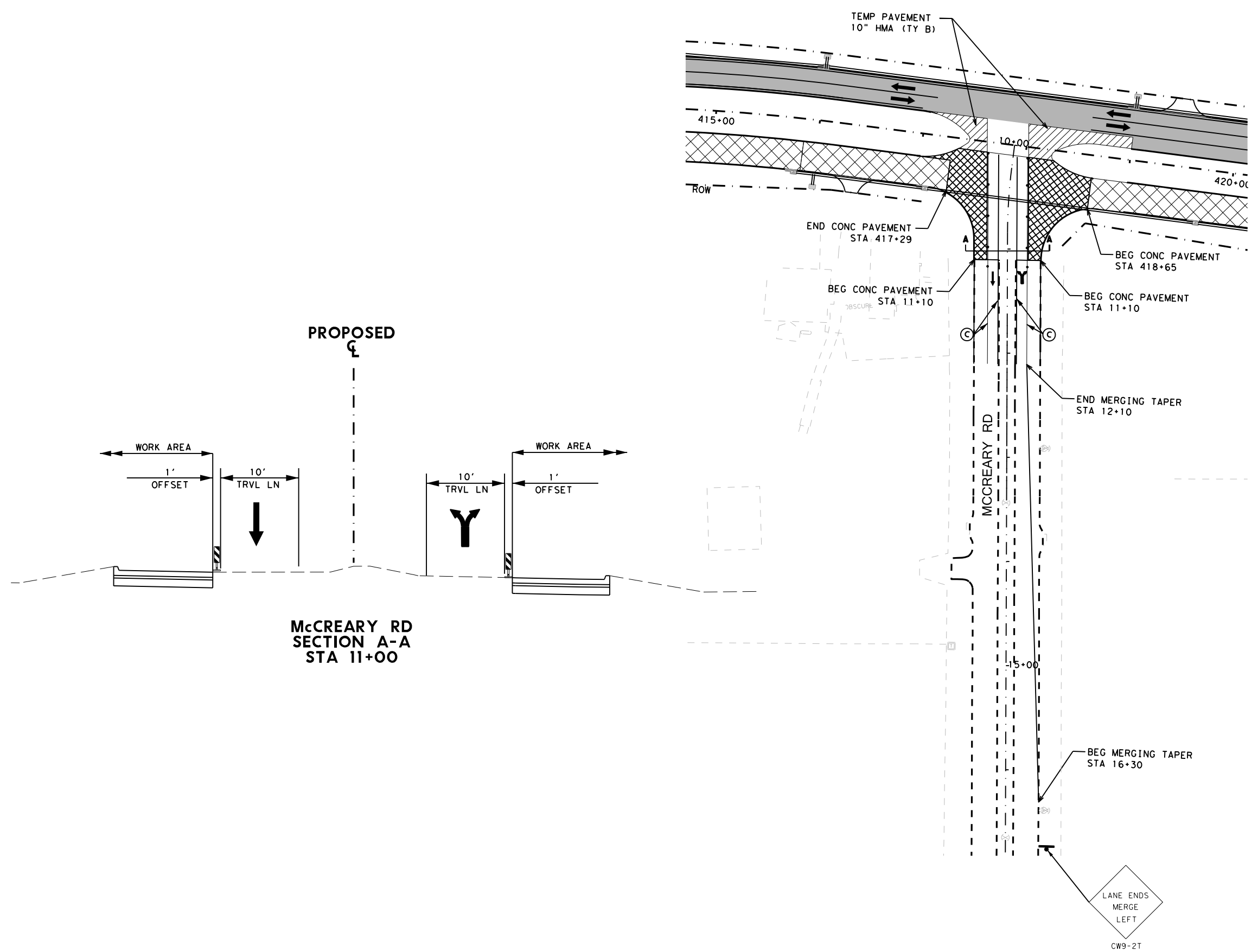
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**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE

- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)



**PRELIMINARY**

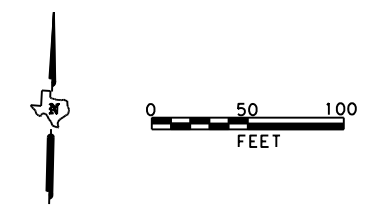
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 AT McCreary Rd  
 STAGE 1**

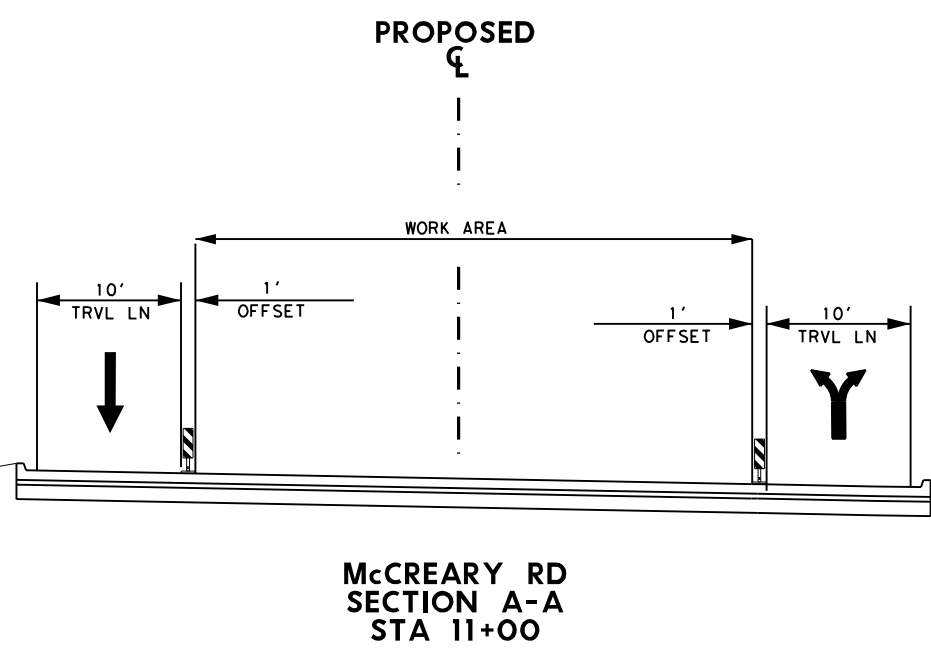
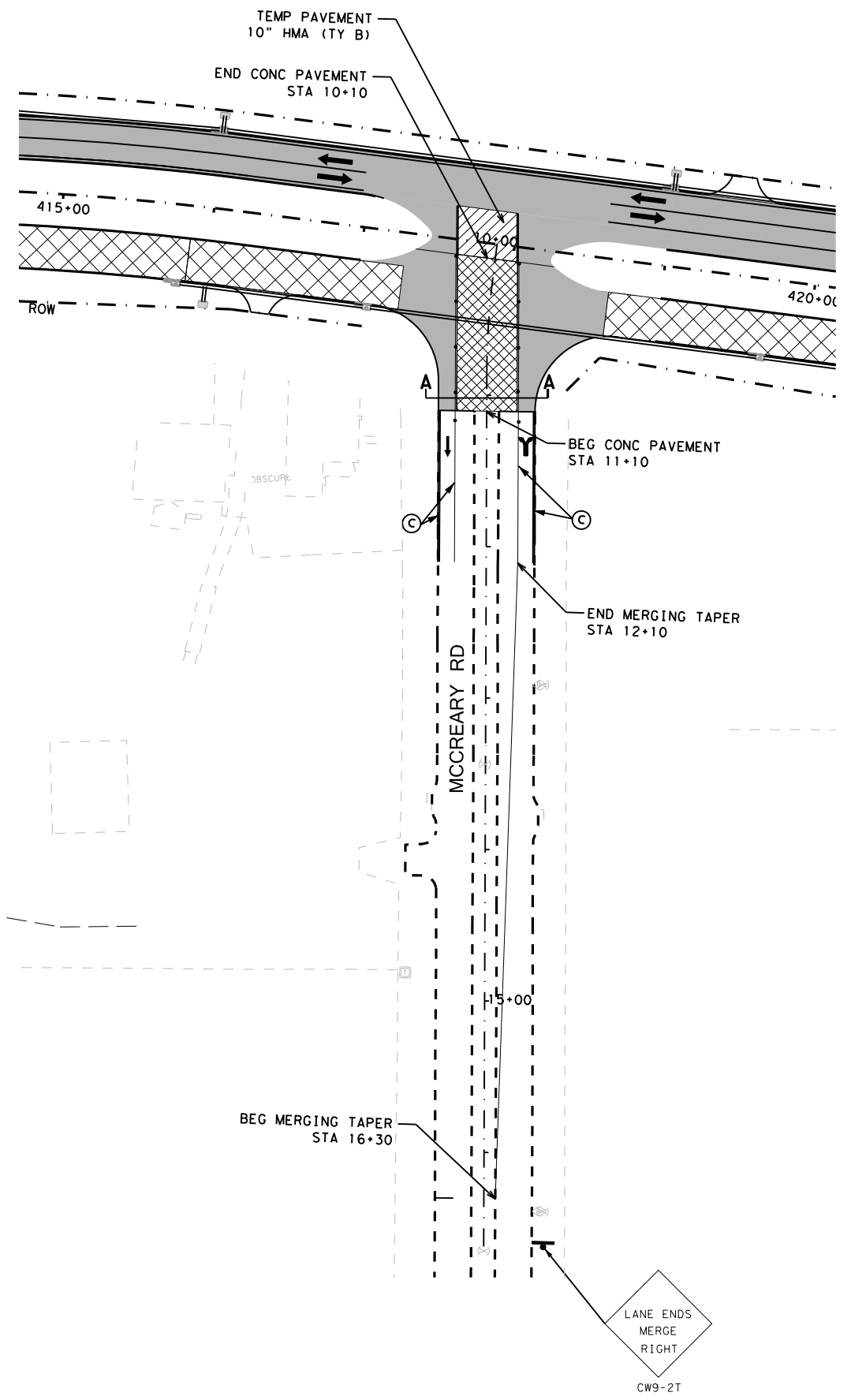
SCALE: 1"=100' SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 78
CHECK	CONTROL 2679	SECTION 02	JOB 008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
  
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)



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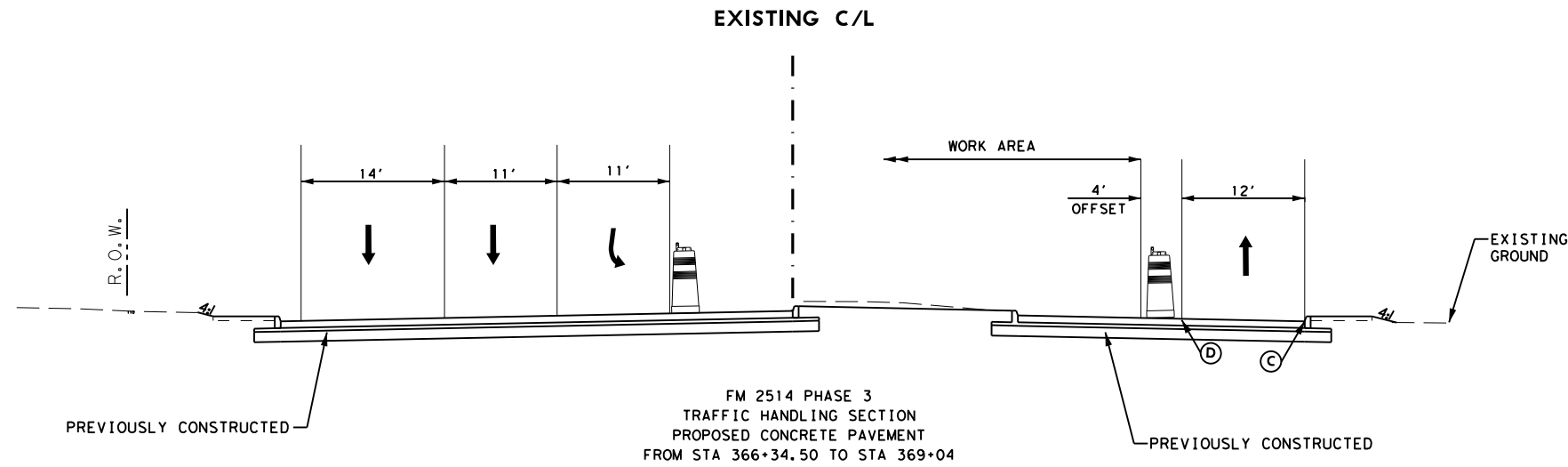
**FM 2514  
TRAFFIC CONTROL PLAN  
AT McCreary Rd  
STAGE 2**

SCALE: 1"=100' SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>79</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:10:25 PM  
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DATE: 3/16/2017 TIME: 4:10:57 PM  
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- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

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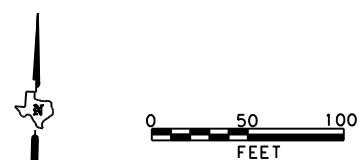


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3  
 TYPICAL SECTIONS**

N. T. S.

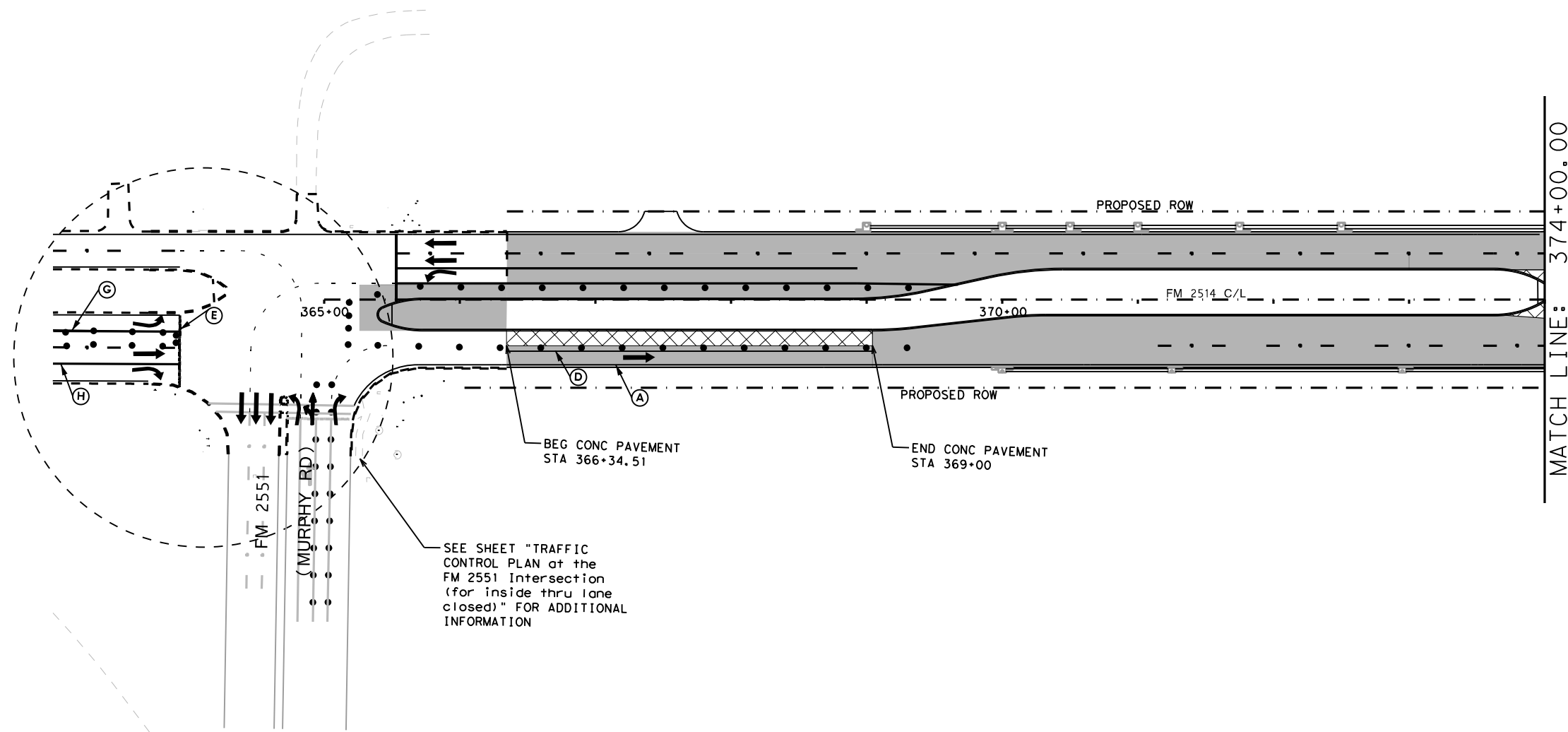
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GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	80
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:11:40 PM  
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**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- 
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)



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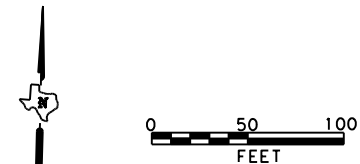
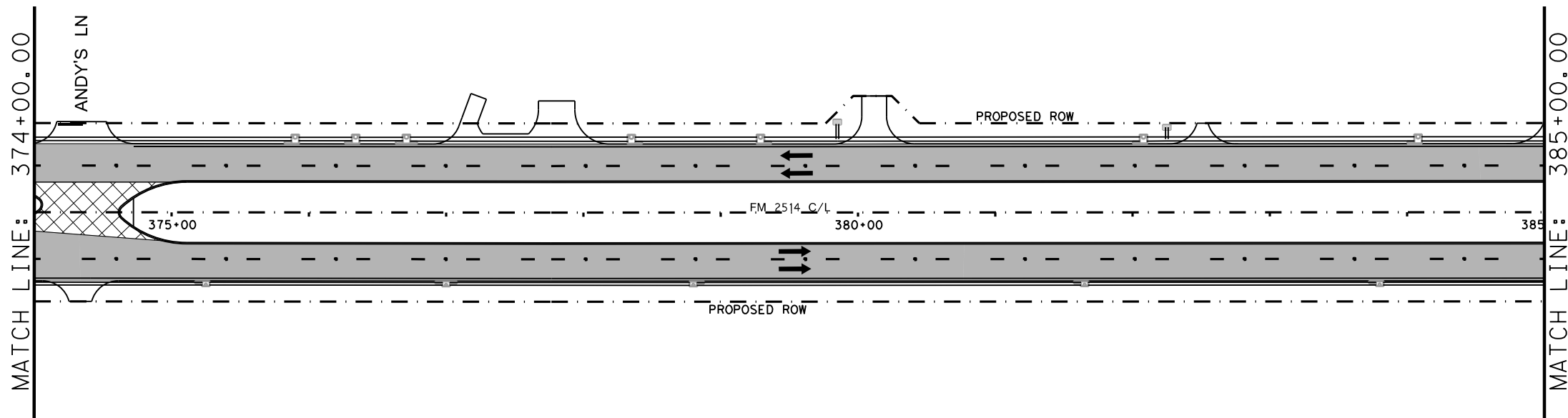
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**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 3**

SCALE: 1"=100' SHEET 1 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>81</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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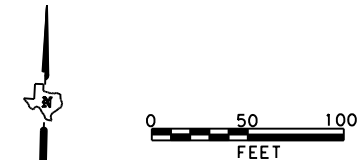
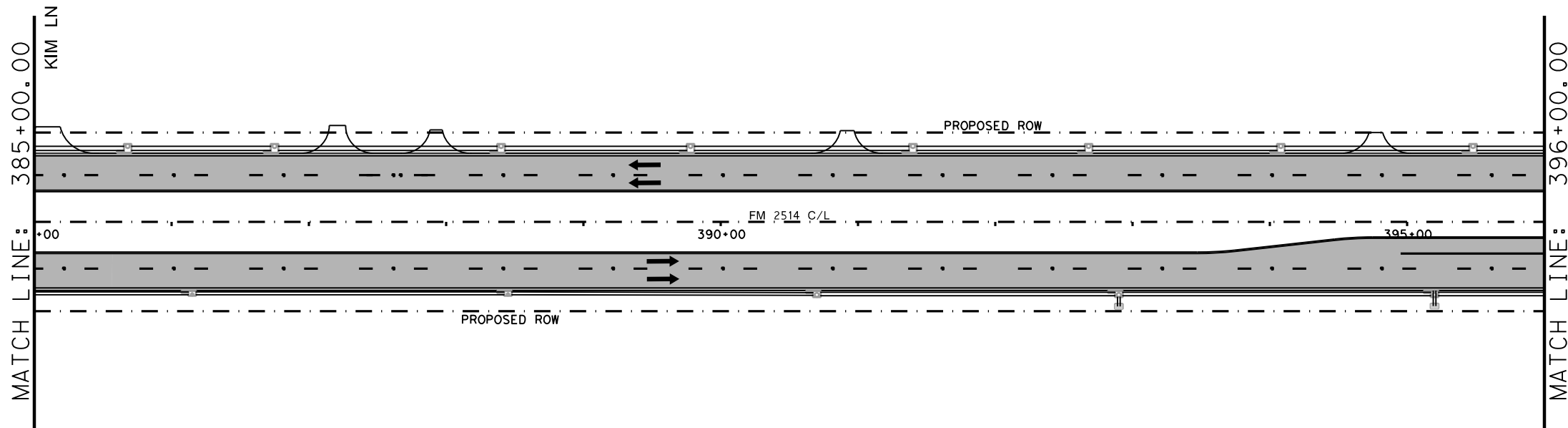


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 3**

SCALE: 1"=100' SHEET 2 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 82
CHECK	CONTROL 2679	SECTION 02	JOB 008	





**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

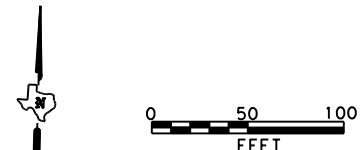
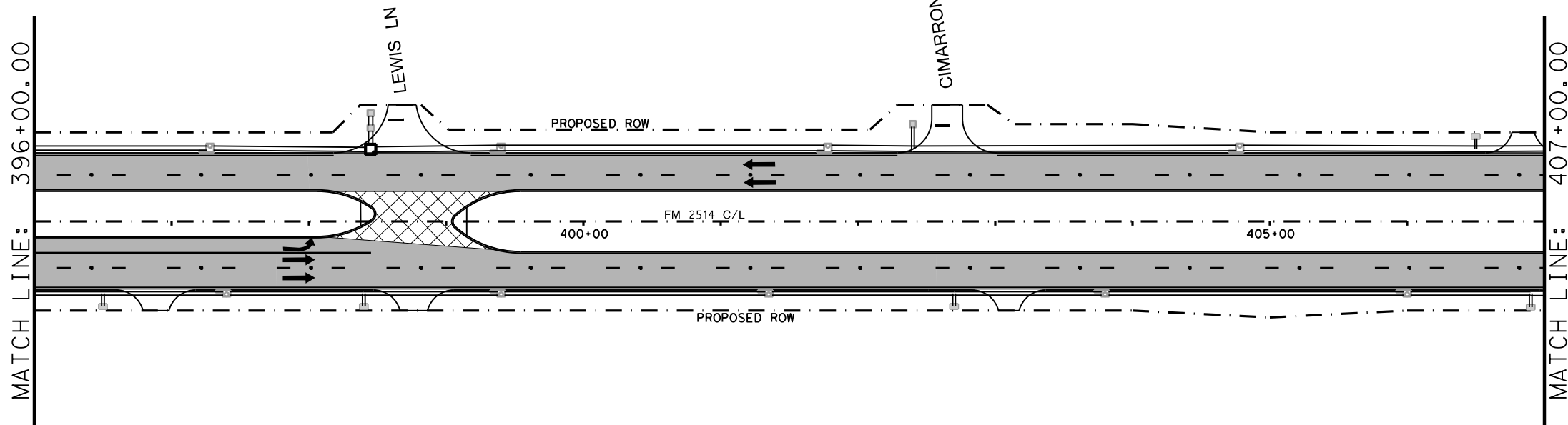
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**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 3**

SCALE: 1"=100' SHEET 3 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE <b>TEXAS</b>	DISTRICT <b>DAL</b>	COUNTY <b>COLLIN</b>	SHEET NO. <b>83</b>
CHECK	CONTROL <b>2679</b>	SECTION <b>02</b>	JOB <b>008</b>	



TCP LEGEND

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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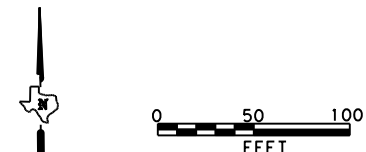
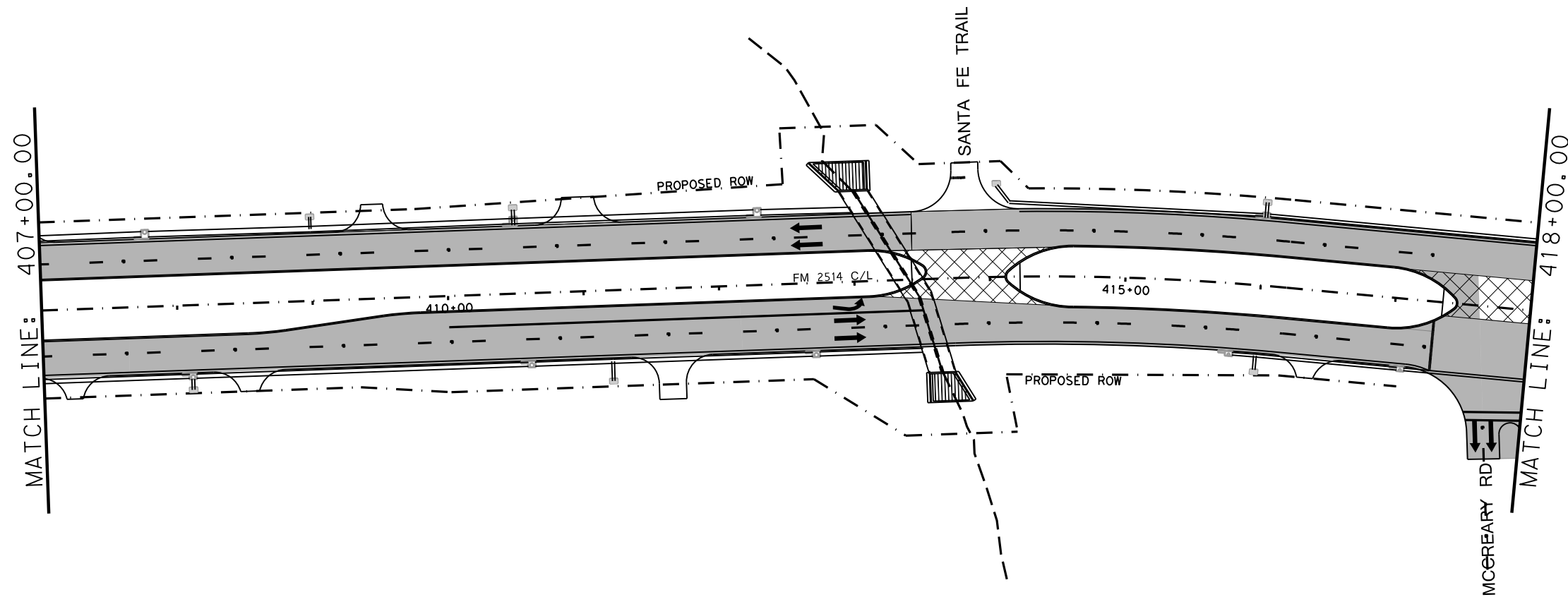
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FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 3

SCALE: 1"=100' SHEET 4 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 84
CHECK	CONTROL 2679	SECTION 02	JOB 008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

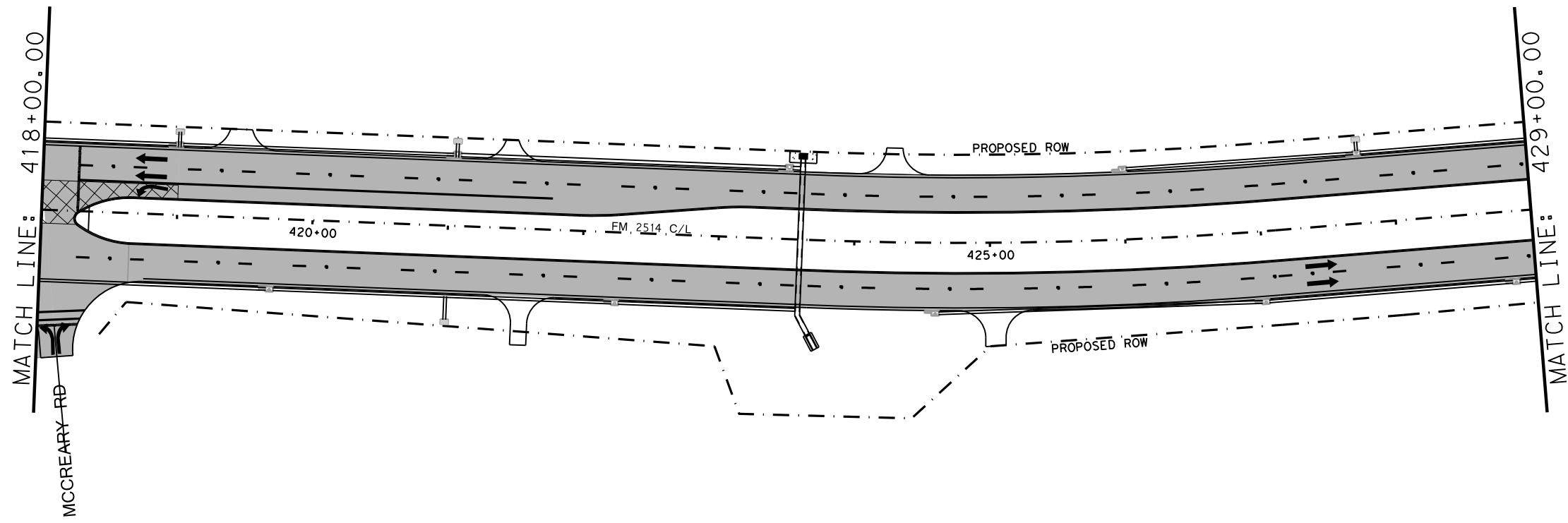
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 5 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	85
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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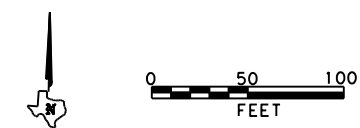
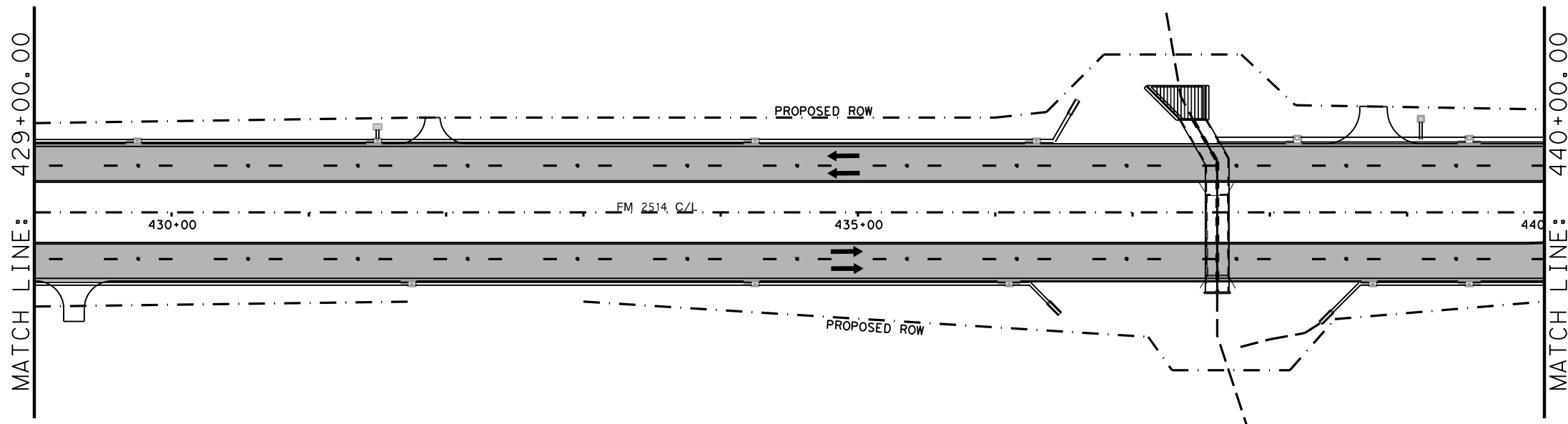


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 6 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>86</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:12:30 PM  
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- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

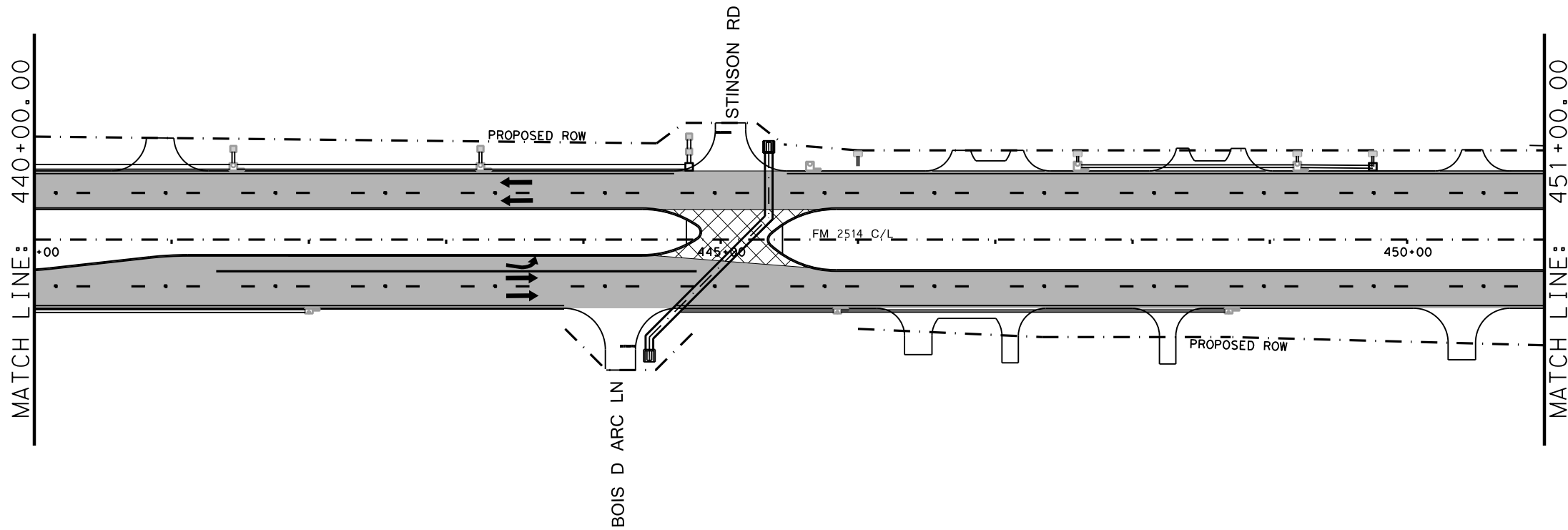
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 7 OF 12

DESIGN	FED. RD. DIV. NO. <b>6</b>	PROJECT NO. <b>SEE TITLE SHEET</b>		HIGHWAY NO. <b>FM2514</b>
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	<b>87</b>
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

**PRELIMINARY**

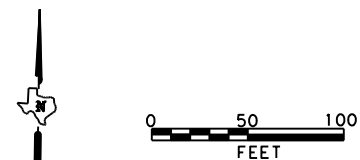
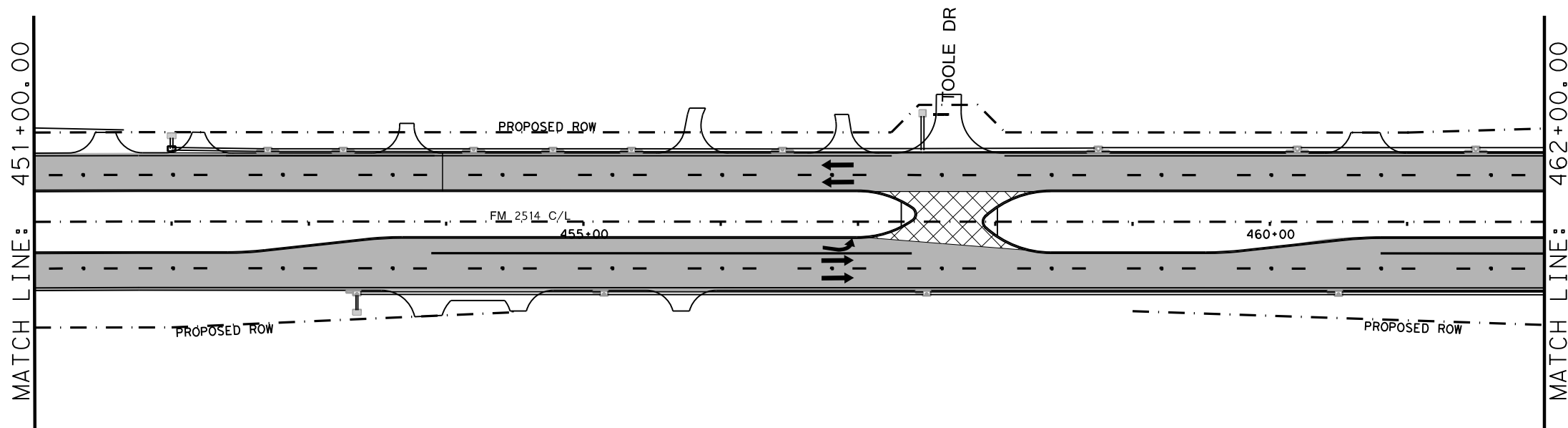
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**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 8 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 88
CHECK	CONTROL 2679	SECTION 02	JOB 008	



**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A)** REFL PAV MRK (W) (4") (SLD)
- (B)** WZ PAV MRK NON REM (Y) (4") (SLD)
- (C)** WZ PAV MRK REM (W) (4") (SLD)
- (D)** WZ PAV MRK REM (Y) (4") (SLD)
- (E)** WZ PAV MRK REM (W) (24") (SLD)
- (F)** WZ PAV MRK - PREVIOUS PHASE
- (G)** EXIST PAV MRK
- (H)** WZ PAV MRK REM (W) (8") (SLD)

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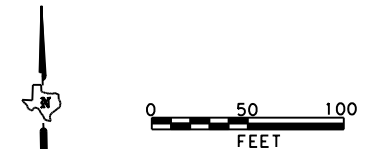
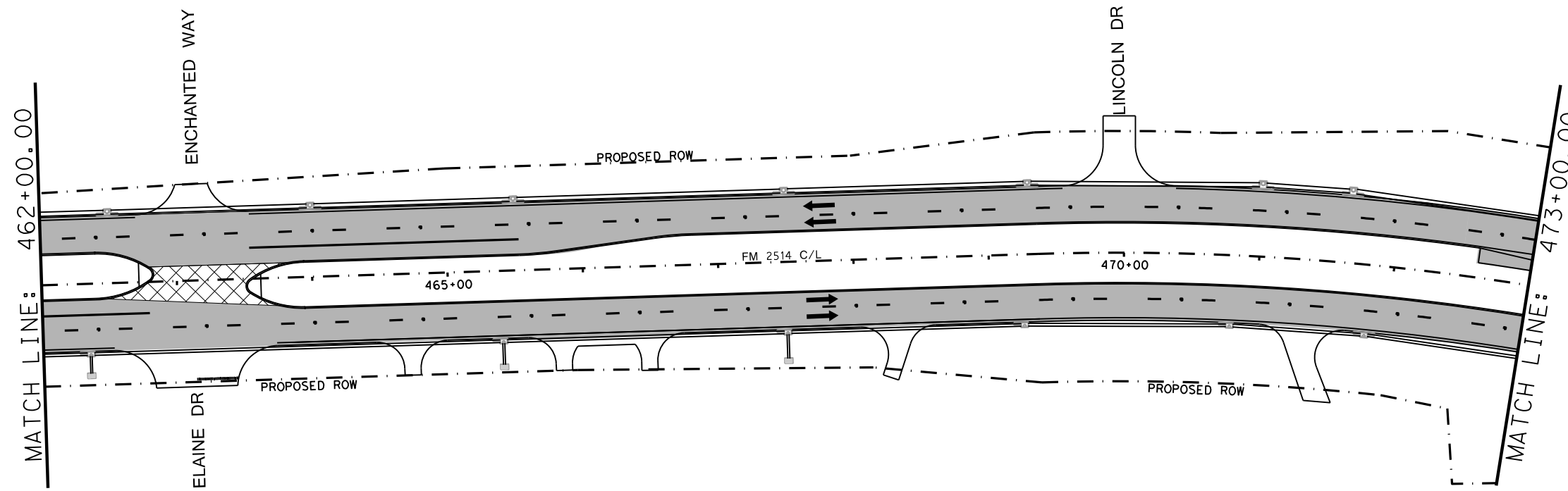


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 9 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 89
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 4:12:56 PM  
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**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
- PROPOSED CUT & RESTORE
- PROPOSED CONSTRUCTION
- PROPOSED CONSTRUCTION PREVIOUS PHS/STG
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- FLOW DIRECTION
- WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
- (B) WZ PAV MRK NON REM (Y) (4") (SLD)
- (C) WZ PAV MRK REM (W) (4") (SLD)
- (D) WZ PAV MRK REM (Y) (4") (SLD)
- (E) WZ PAV MRK REM (W) (24") (SLD)
- (F) WZ PAV MRK - PREVIOUS PHASE
- (G) EXIST PAV MRK
- (H) WZ PAV MRK REM (W) (8") (SLD)

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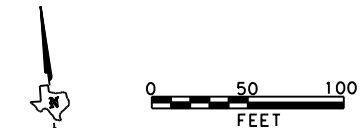
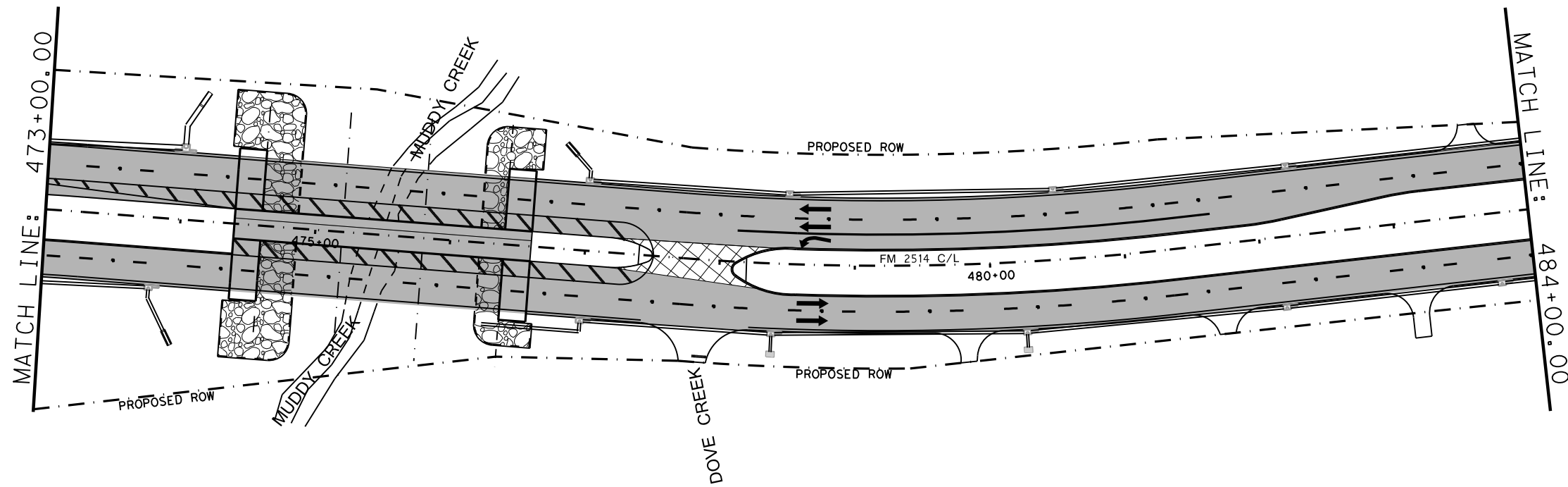


**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

SCALE: 1"=100' SHEET 10 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 90
CHECK	CONTROL 2679	SECTION 02	JOB 008	





**TCP LEGEND**

- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

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ON: 3/16/2017

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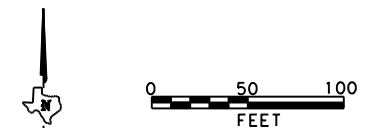
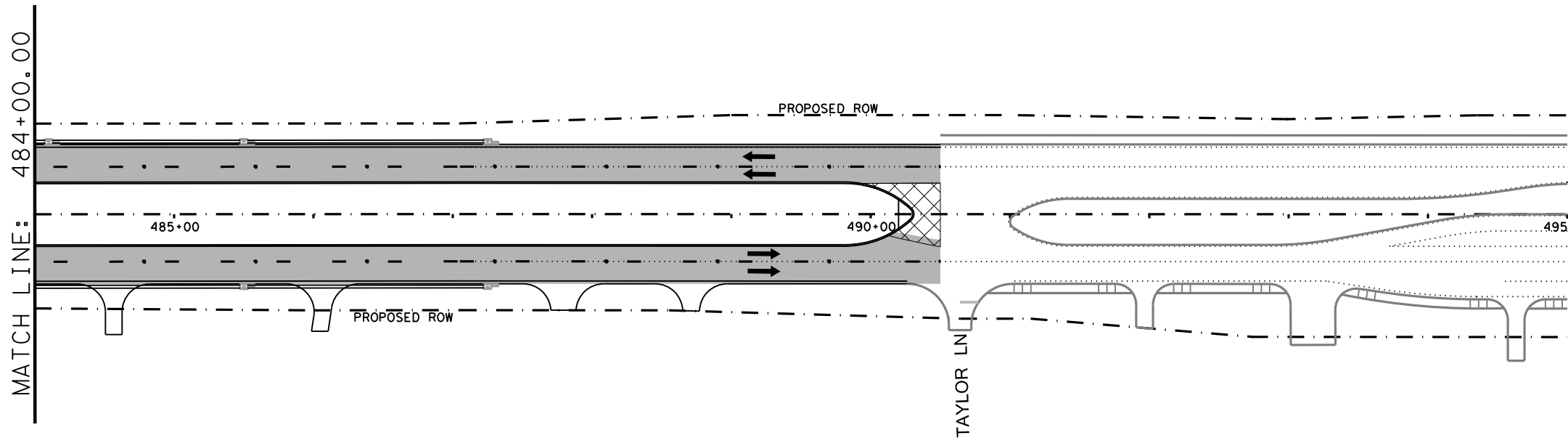


**FM 2514  
TRAFFIC CONTROL PLAN  
PHASE 3**

SCALE: 1"=100' SHEET 11 OF 12

DESIGN	FED. RD. DIV. NO:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	91
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 4:13:13 PM  
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- TCP LEGEND**
- TEMPORARY PAVEMENT PLACED THIS PHASE
  - PROPOSED CUT & RESTORE
  - PROPOSED CONSTRUCTION
  - PROPOSED CONSTRUCTION PREVIOUS PHS/STG
  - DIRECTION OF TRAFFIC
  - SIGN
  - TYPE III BARRICADE
  - CHANNELIZING DEVICE
  - FLOW DIRECTION
  - WK ZN CONCRETE BARRIER
- (A) REFL PAV MRK (W) (4") (SLD)
  - (B) WZ PAV MRK NON REM (Y) (4") (SLD)
  - (C) WZ PAV MRK REM (W) (4") (SLD)
  - (D) WZ PAV MRK REM (Y) (4") (SLD)
  - (E) WZ PAV MRK REM (W) (24") (SLD)
  - (F) WZ PAV MRK - PREVIOUS PHASE
  - (G) EXIST PAV MRK
  - (H) WZ PAV MRK REM (W) (8") (SLD)

**PRELIMINARY**  
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 PURPOSE OF INTERIM REVIEW ONLY  
 UNDER AUTHORITY OF:  
 DAWIT ABRAHAM  
 P.E. 116804  
 ON: 3/16/2017  
 IT IS NOT FOR CONSTRUCTION,  
 BIDDING OR PERMITTING PURPOSES



**FM 2514  
 TRAFFIC CONTROL PLAN  
 PHASE 3**

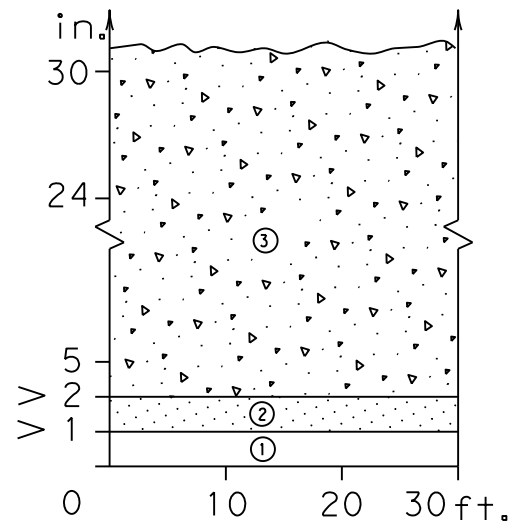
SCALE: 1"=100' SHEET 12 OF 12

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 92
CHECK	CONTROL 2679	SECTION 02	JOB 008	

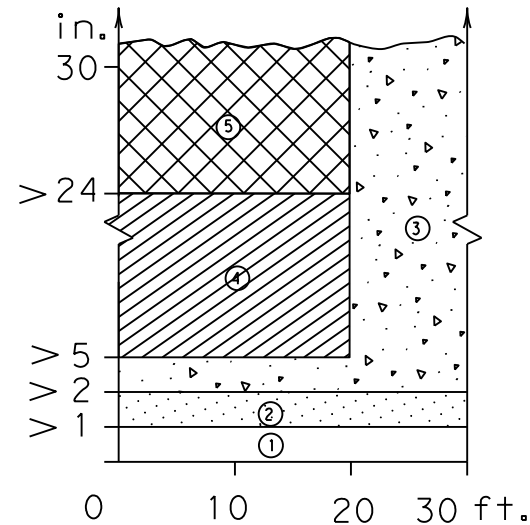
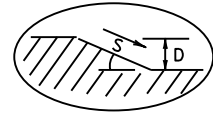
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### DEFINITION OF TREATMENT ZONES FOR VARIOUS EDGE CONDITIONS

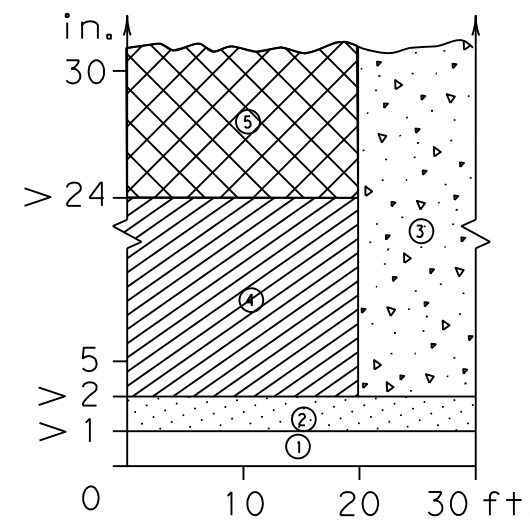
Edge Height (D) in Inches versus Lateral Clearance (Y) in Feet



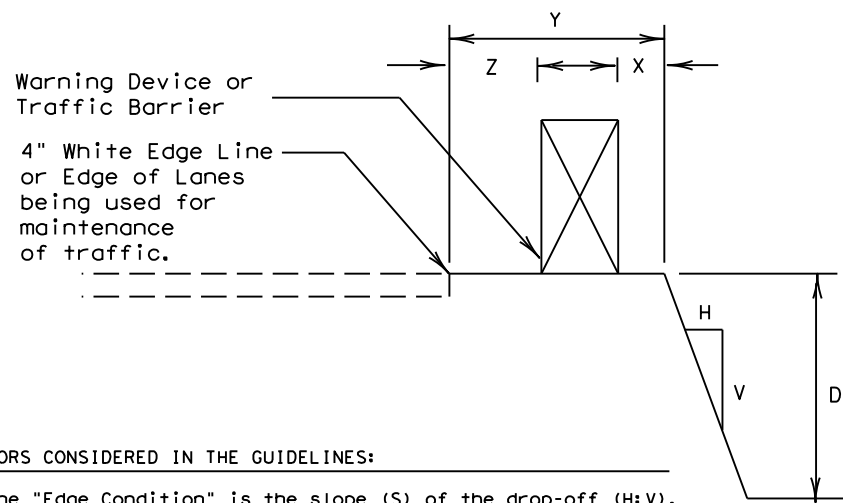
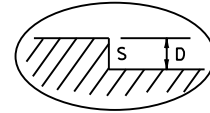
Edge Condition I  
S = (3:1) (or flatter)



Edge Condition II  
S = ((2.99):1) to (1:1)



Edge Condition III  
S is steeper than (1:1)



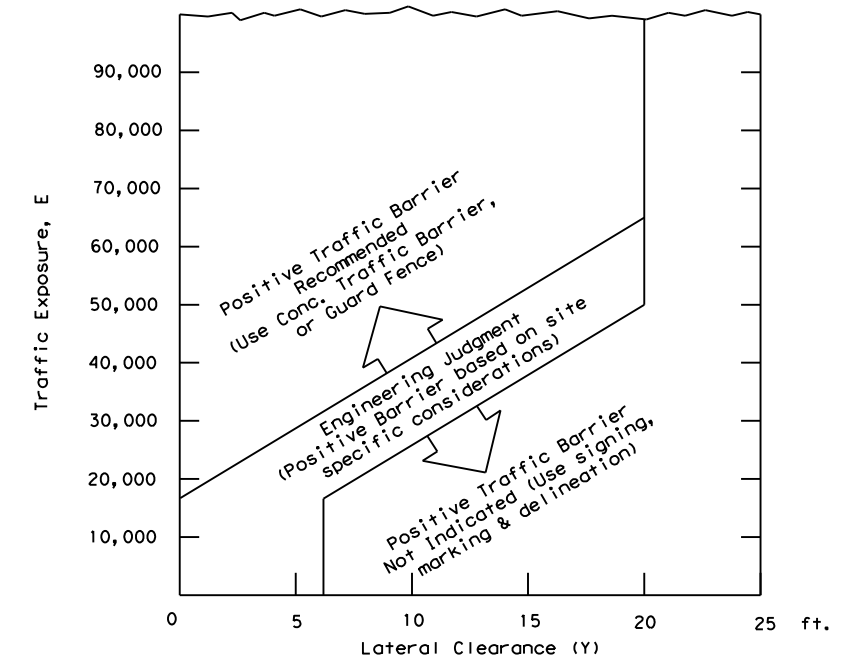
Warning Device or Traffic Barrier  
4" White Edge Line or Edge of Lanes being used for maintenance of traffic.

Zone	Treatment Types Guidelines:
①	No treatment.
②	CW 8-11 "Uneven Lanes" signs.
③	CW 8-9a "Shoulder Drop-Off" or CW 8-11 signs plus vertical panels.
④	CW 8-9a or CW 8-11, signs plus drums. Where restricted space precludes the use of drums, use vertical panels. An edge fill may be provided to change the edge slope to that of the preferable Edge Condition I.
⑤	Check indications (Figure-1) for positive barrier. Where positive barrier is not indicated, the treatment shown above for Zone- 4 may be used after consideration of other applicable factors.

#### Edge Condition Notes:

- Edge Condition I: Most vehicles are able to traverse an edge condition with a slope rate of (3 to 1) or flatter. The slope must be constructed with a compacted material capable of supporting vehicles.
- Edge Condition II: Most vehicles are able to traverse an edge condition with a slope between (2.99 to 1) and (1 to 1) so long as "D" does not exceed 5 inches. Under-carriage drag on most automobiles will occur when "D" exceeds 6 inches. As "D" exceeds 24 inches, the possibility for rollover is greater in most vehicles.
- Edge Condition III: When slopes are greater than (1 to 1) and where "D" is greater than 2 inches, a more difficult control factor may exist for some vehicles, if not properly treated. For example, where "D" is greater than 2 inches and up to 24 inches different types of vehicles may experience different steering control at different edge heights. Automobiles might experience more steering control differential when "D" is greater than 2 inches and up to 5 inches. Trucks, particularly those with high loads, have more steering control differential when "D" is greater than 5 inches and up to 24 inches. When "D" exceeds 24 inches, the possibility of rollover is greater for most vehicles.
- Milling or overlay operations that result in Edge Condition III should not be in place without appropriate warning treatments, and these conditions should not be left in place for extended periods of time.

FIGURE-1: CONDITIONS INDICATING USE OF POSITIVE BARRIER FOR ZONE 5 ( [Cross-hatched] )



- E = ADT x T  
Where ADT is that portion of the average daily traffic volume traveling within 20 feet (generally two adjacent lanes) of the edge dropoff condition; and, T is the duration time in years of the dropoff condition.
- Figure-1 provides a practical approach to the use of positive barriers for the protection of vehicles from pavement drop-offs. Other factors, such as the presence of heavy machinery, construction workers, or the mix and volume of traffic may make the use of positive barriers appropriate, even when the edge condition alone may not justify the use of a barrier.
- An approved end treatment should be provided for any positive barrier end located within a lateral offset of 20 feet from the edge of the travel lane.

These guidelines apply to temporary traffic control areas or work zones where continuous pavement edges or drop-offs exists parallel and adjacent to a lane used by traffic. The edge conditions may be present between shoulders and travel lanes, between adjacent or opposing travel lanes, or at intermediate points across the width of the paved surface. Due to the variability in construction operations, tolerances in the variables may be allowed by the engineer. These guidelines do not apply to short term operations. These guidelines do not constitute a rigid standard or policy; rather, they are guidance to be used in conjunction with engineering judgement. These guidelines may be updated on the Design Division's on-line manuals.

#### FACTORS CONSIDERED IN THE GUIDELINES:

- The "Edge Condition" is the slope (S) of the drop-off (H:V). The "Edge Height" is the depth of the drop-off "D".
- Distance "X" is to be the maximum practical under job conditions. Two feet minimum for high speed conditions. Distance "Y" is the lateral clearance from edge of travel lane to edge of dropoff. Distance "Z" does not have a minimum.
- In addition to the factors considered in the guidelines, each construction zone drop-off situation should be analyzed individually, taking into account other variables, such as: traffic mix, posted speed in the construction zone, horizontal curvature, and the practicality of the treatment options.
- The conditions for indicating the use of positive or protective barriers are given by Zone-5 and Figure-1. Traffic barriers are primarily applicable for high speed conditions. Urban areas with speeds of 30 mph or less may have a lesser need for signing, delineation, and barriers. Right-angled edges, however, with "D" greater than 2 inches and located within a lateral offset of 6 feet, may indicate a higher level of treatment.
- If the distance "Y" must be less than 3 feet, the use of a positive barrier may not be feasible. In such a case, consider either: 1) narrowing the lanes to a desired 11 to 12 feet or 10 foot minimum (see CW20-8 sign), or 2) provide an edge slope such as Edge Condition I.

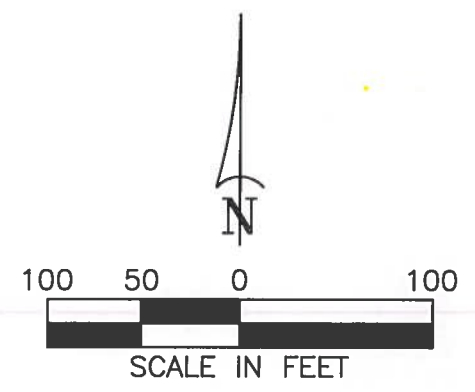
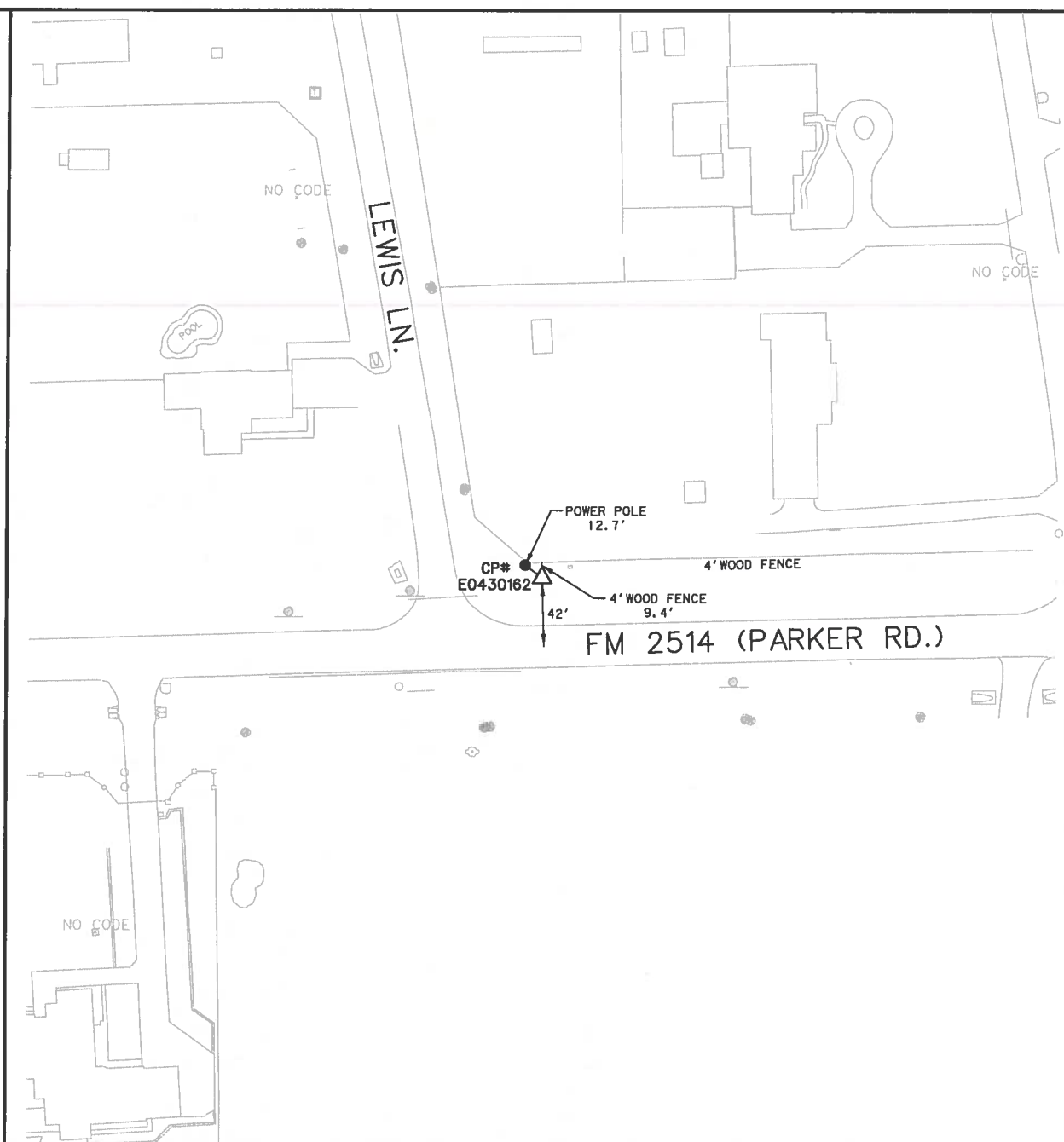
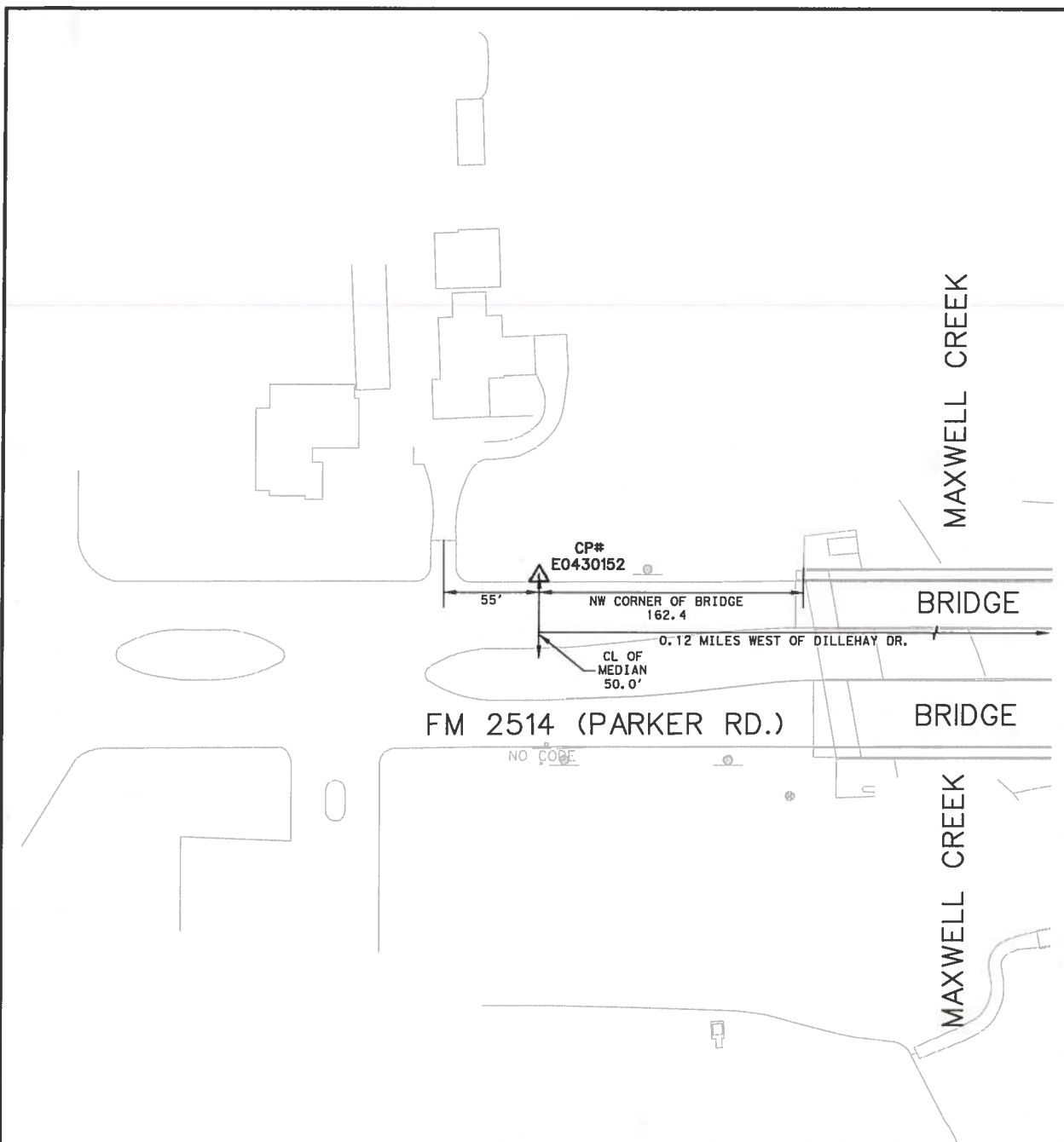
Engineer's Seal  
Date \_\_\_\_\_



## TREATMENT FOR VARIOUS EDGE CONDITIONS

© TxDOT August 2000		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
REVISIONS					
CONT	SECT	JOB		HIGHWAY	
2679	02	008		FM 2514	
DIST		COUNTY		SHEET NO.	
DAL		COLLIN		93	

DATE: \_\_\_\_\_  
FILE: \_\_\_\_\_



I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL DATA SHOWN HEREON WAS DETERMINED BY A FIELD SURVEY ON AUGUST 23, 2016 AND IS CORRECTLY SHOWN HEREON.




CURTIS SMITH  
REGISTERED PROFESSIONAL LAND SURVEYOR  
NO. 5494 TEXAS FIRM No. 10106900

CONTROL POINT No. E0430152  
BRASS DISK IN CONCRETE CURB INLET ON THE NORTH SIDE OF FM 2514 (PARKER RD.), 50' NORTH OF THE CENTERLINE OF THE MEDIAN, 55' +/- EAST OF A GRAVEL DRIVE AND 162.4' WEST OF THE NORTHWEST CORNER OF THE BRIDGE OVER MAXWELL CREEK AND BEING APPROXIMATELY 0.12 MILES WEST OF DILLEHAY DRIVE

MONUMENT TYPE: BRASS CAP SET IN CONCRETE  
NORTHING: 7,073,154.89  
EASTING: 2,544,540.86  
ELEVATION: 603.96  
\*SURFACE COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM NAD83, NORTH CENTRAL ZONE (4202). ALL DISTANCES AND COORDINATES SHOWN ARE SURFACE AND CAN BE CONVERTED TO GRID BY DIVIDING BY THE COLLIN COUNTY SCALE FACTOR OF 1.000152710  
\*ALL ELEVATIONS ARE BASED ON GPS DERIVED ELLIPSOID HEIGHTS AND ADJUSTED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATIONS USING GEOID 09.

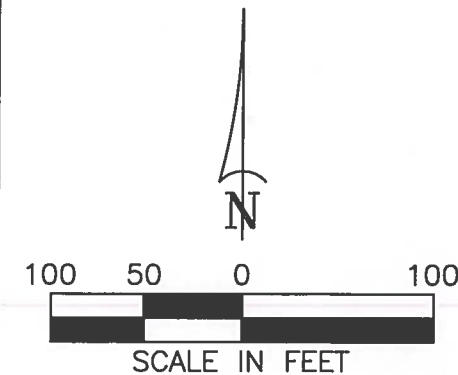
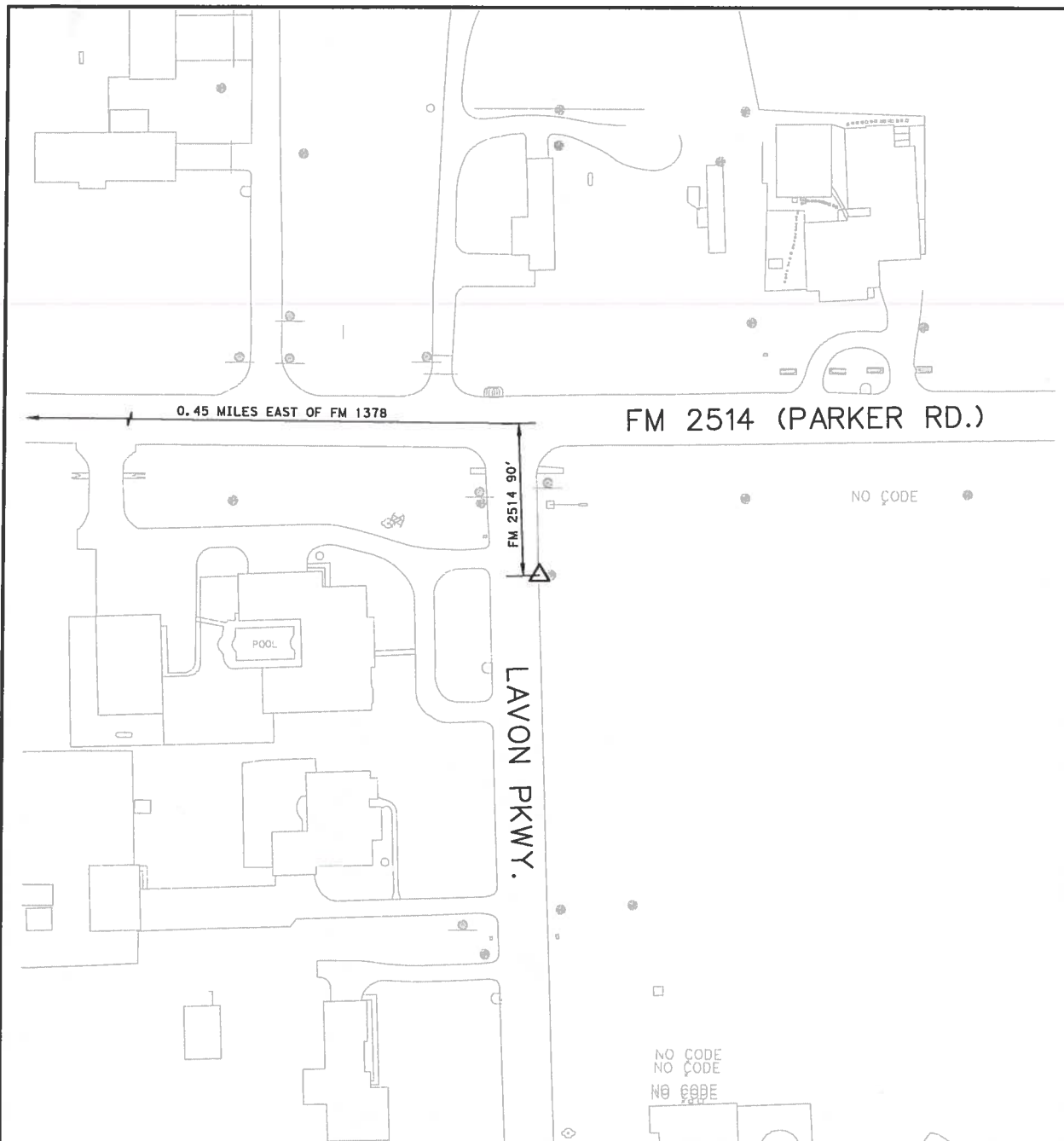
CONTROL POINT No. E0430162  
BRASS DISK IN CONCRETE ON THE NORTH SIDE OF FM 2514 (PARKER RD.), 42' NORTH OF THE CENTERLINE OF FM 2514, 9.4' SOUTH OF A 4' WOOD FENCE, 12.7' SOUTHEAST OF A POWER POLE, AT THE INTERSECTION OF LEWIS LANE (CR 254) WITH FM 2514.

MONUMENT TYPE: BRASS CAP SET IN CONCRETE  
NORTHING: 7,073,272.12  
EASTING: 2,550,809.38  
ELEVATION: 586.60  
\*SURFACE COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM NAD83, NORTH CENTRAL ZONE (4202). ALL DISTANCES AND COORDINATES SHOWN ARE SURFACE AND CAN BE CONVERTED TO GRID BY DIVIDING BY THE COLLIN COUNTY SCALE FACTOR OF 1.000152710  
\*ALL ELEVATIONS ARE BASED ON GPS DERIVED ELLIPSOID HEIGHTS AND ADJUSTED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATIONS USING GEOID 09.

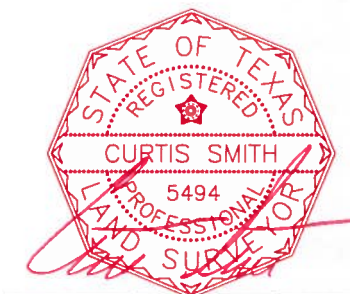
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Texas Department of Transportation

FM 2514  
COLLIN COUNTY  
  
SURVEY CONTROL

FED RD DIV NO.	PROJECT NO.		SHEET NO.
6	SEE TITLE SHEET		132
STATE	DISTRICT	COUNTY	
TEXAS	DAL	COLLIN	
CONTROL	SECTION	JOB	HIGHWAY
2679	02	008	FM 2514



I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL DATA SHOWN HEREON WAS DETERMINED BY A FIELD SURVEY ON AUGUST 23, 2016 AND IS CORRECTLY SHOWN HEREON.



CURTIS SMITH  
REGISTERED PROFESSIONAL LAND SURVEYOR  
NO. 5494 TEXAS FIRM No. 10106900

CONTROL POINT No. E0430192  
BRASS DISK IN CONCRETE CURB ON THE EAST SIDE OF LAVON PARKWAY 90' +/- SOUTH OF CENTERLINE OF FM 2514 (PARKER RD.), 0.45 MILES EAST OF FM 1378.

MONUMENT TYPE: BRASS CAP SET IN CONCRETE  
 NORTHING: 7,073,154.89  
 EASTING: 2,544,540.86  
 ELEVATION: 603.96  
 \*SURFACE COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM NAD83, NORTH CENTRAL ZONE (4202). ALL DISTANCES AND COORDINATES SHOWN ARE SURFACE AND CAN BE CONVERTED TO GRID BY DIVIDING BY THE COLLIN COUNTY SCALE FACTOR OF 1.000152710  
 \*ALL ELEVATIONS ARE BASED ON GPS DERIVED ELLIPSOID HEIGHTS AND ADJUSTED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATIONS USING GEOID 09.

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FM 2514  
COLLIN COUNTY

SURVEY CONTROL

FED RD DIV NO.	PROJECT NO.		SHEET NO.
6	SEE TITLE SHEET		133
STATE	DISTRICT	COUNTY	
TEXAS	DAL	COLLIN	
CONTROL	SECTION	JOB	HIGHWAY
2679	02	008	FM 2514

**PROPOSED FM 2514 C/L**

\* 1 Describe Chain PRCL

Chain PRCL contains:

1 2 3 CUR PRCL-1 CUR PRCL-2 4 CUR PRCL-3 CUR PRCL-4 5 CUR PRCL-5 CUR PRCL-6 6 -  
7 8 EXTCL1 EXTCL2 EXTCL3 EXTCL4 CUR EXTCLCUR1

Beginning chain PRCL description

Description: Revised 7/16/14 - previous PRCL chain (now PRCL (OLD2)) extended beyond project limits on east side.

Point 1 N 7,073,144.2546 E 2,547,374.3362 Sta 365+00.00

Course from 1 to 2 N 88° 36' 06.49" E Dist 134.6655

Point 2 N 7,073,147.5405 E 2,547,508.9616 Sta 366+34.67

Course from 2 to 3 N 88° 36' 04.51" E Dist 1,141.9127

Point 3 N 7,073,175.4150 E 2,548,650.5340 Sta 377+76.58

Course from 3 to PC PRCL-1 N 88° 31' 36.72" E Dist 3,596.3155

Curve Data  
\*-----\*

Curve PRCL-1

P.I. Station 414+96.21 N 7,073,271.0401 E 2,552,368.9353  
Delta = 7° 23' 17.20" (RT)  
Degree = 2° 59' 59.20"  
Tangent = 123.3152  
Length = 246.2886  
Radius = 1,910.0000  
External = 3.9767  
Long Chord = 246.1180  
Mid. Ord. = 3.9684  
P.C. Station 413+72.89 N 7,073,267.8698 E 2,552,245.6609  
P.T. Station 416+19.18 N 7,073,258.3321 E 2,552,491.5939  
C.C. N 7,071,358.5011 E 2,552,294.7635  
Back = N 88° 31' 36.72" E  
Ahead = S 84° 05' 06.08" E  
Chord Bear = S 87° 46' 44.68" E

Course from PT PRCL-1 to PC PRCL-2 S 84° 05' 06.08" E Dist 747.5308

Curve Data  
\*-----\*

Curve PRCL-2

P.I. Station 425+38.90 N 7,073,163.5533 E 2,553,406.4110  
Delta = 6° 52' 42.72" (LT)  
Degree = 1° 59' 59.47"  
Tangent = 172.1829  
Length = 343.9521  
Radius = 2,865.0000  
External = 5.1693  
Long Chord = 343.7456  
Mid. Ord. = 5.1600  
P.C. Station 423+66.71 N 7,073,181.2971 E 2,553,235.1449  
P.T. Station 427+10.67 N 7,073,166.4488 E 2,553,578.5696  
C.C. N 7,076,031.0436 E 2,553,530.3904  
Back = S 84° 05' 06.08" E  
Ahead = N 89° 02' 11.20" E  
Chord Bear = S 87° 31' 27.44" E

Course from PT PRCL-2 to 4 N 89° 02' 11.20" E Dist 2,465.3697

Point 4 N 7,073,207.9075 E 2,556,043.5907 Sta 451+76.03

Course from 4 to PC PRCL-3 N 89° 12' 49.76" E Dist 1,760.3103

Curve Data

\*-----\*

Curve PRCL-3

P.I. Station 471+32.56 N 7,073,234.7529 E 2,557,999.9324  
Delta = 11° 43' 51.31" (RT)  
Degree = 2° 59' 59.20"  
Tangent = 196.2157  
Length = 391.0595  
Radius = 1,910.0000  
External = 10.0522  
Long Chord = 390.3768  
Mid. Ord. = 9.9996  
P.C. Station 469+36.35 N 7,073,232.0606 E 2,557,803.7352  
P.T. Station 473+27.40 N 7,073,197.4990 E 2,558,192.5791  
C.C. N 7,071,322.2404 E 2,557,829.9422  
Back = N 89° 12' 49.76" E  
Ahead = S 79° 03' 18.92" E  
Chord Bear = S 84° 55' 14.58" E

Course from PT PRCL-3 to PC PRCL-4 S 79° 03' 18.92" E Dist 445.6845

Curve Data  
\*-----\*

Curve PRCL-4

P.I. Station 479+53.79 N 7,073,078.5729 E 2,558,807.5667  
Delta = 10° 48' 31.74" (LT)  
Degree = 2° 59' 59.20"  
Tangent = 180.6964  
Length = 360.3205  
Radius = 1,910.0000  
External = 8.5284  
Long Chord = 359.7864  
Mid. Ord. = 8.4905  
P.C. Station 477+73.09 N 7,073,112.8803 E 2,558,630.1570  
P.T. Station 481+33.41 N 7,073,078.1442 E 2,558,988.2626  
C.C. N 7,074,988.1388 E 2,558,992.7938  
Back = S 79° 03' 18.92" E  
Ahead = S 89° 51' 50.67" E  
Chord Bear = S 84° 27' 34.79" E

Course from PT PRCL-4 to 5 S 89° 51' 50.67" E Dist 571.7133

Point 5 N 7,073,076.7879 E 2,559,559.9743 Sta 487+05.12

Course from 5 to PC PRCL-5 S 89° 48' 37.80" E Dist 1,352.5625

Curve Data  
\*-----\*

Curve PRCL-5

P.I. Station 506+38.31 N 7,073,070.3941 E 2,561,493.1522  
Delta = 60° 16' 52.03" (RT)  
Degree = 5° 43' 46.48"  
Tangent = 580.6259  
Length = 1,052.1040  
Radius = 1,000.0000  
External = 156.3418  
Long Chord = 1,004.2461  
Mid. Ord. = 135.2038  
P.C. Station 500+57.69 N 7,073,072.3145 E 2,560,912.5295  
P.T. Station 511+09.79 N 7,072,565.1897 E 2,561,779.3251  
C.C. N 7,072,072.3199 E 2,560,909.2221  
Back = S 89° 48' 37.80" E  
Ahead = S 29° 31' 45.77" E  
Chord Bear = S 59° 40' 11.79" E

DATE:3/16/2017 TIME:3:23:01 PM FILE:c:\pwworking\dwg\online\txdot\5\vrachae\1\fwigs\dms07844\Alignment Data.dgn



**FM 2514  
HORIZONTAL ALIGNMENT DATA**

SHEET 1 OF 2

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 134
CHECK	CONTROL 2679	SECTION 02	JOB 008	

**EXISTING FM 2514 C/L**

<\* 3 Describe Chain EXCL2514

Chain EXCL2514 contains:  
EXCL8 EXCL9 EXCL10 CUR EXCRV1 CUR EXCRV2 EXCL11 CUR EXCRV3 CUR EXCRV4 EXCL12 E-XCL7

Beginning chain EXCL2514 description  
Description: Revised 7/16/14 - previous PRCL chain (now PRCL (OLD2)) extended beyond project limits on east side.

Point EXCL8 N 7,073,144.2546 E 2,547,374.3362 Sta 1365+00.00  
Course from EXCL8 to EXCL9 N 88° 36' 06.49" E Dist 134.6655  
Point EXCL9 N 7,073,147.5405 E 2,547,508.9616 Sta 1366+34.67  
Course from EXCL9 to EXCL10 N 88° 36' 04.51" E Dist 1,141.9127  
Point EXCL10 N 7,073,175.4150 E 2,548,650.5340 Sta 1377+76.58  
Course from EXCL10 to PC EXCRV1 N 88° 31' 36.72" E Dist 3,582.6111

Curve Data  
\*-----\*

Curve EXCRV1  
P.I. Station 1414+96.21 N 7,073,271.0401 E 2,552,368.9362  
Delta = 8° 12' 23.11" (RT)  
Degree = 2° 59' 59.01"  
Tangent = 137.0205  
Length = 273.5723  
Radius = 1,910.0341  
External = 4.9084  
Long Chord = 273.3392  
Mid. Ord. = 4.8958  
P.C. Station 1413+59.19 N 7,073,267.5175 E 2,552,231.9610  
P.T. Station 1416+32.76 N 7,073,254.9747 E 2,552,505.0123  
C.C. N 7,071,358.1147 E 2,552,281.0645  
Back = N 88° 31' 36.72" E  
Ahead = S 83° 16' 00.18" E  
Chord Bear = S 87° 22' 11.69" E

Course from PT EXCRV1 to PC EXCRV2 S 83° 16' 00.18" E Dist 708.2108

Curve Data  
\*-----\*

Curve EXCRV2  
P.I. Station 1425+40.42 N 7,073,148.5533 E 2,553,406.4146  
Delta = 7° 41' 48.61" (LT)  
Degree = 1° 55' 56.65"  
Tangent = 199.4519  
Length = 398.3037  
Radius = 2,965.0000  
External = 6.7009  
Long Chord = 398.0043  
Mid. Ord. = 6.6858  
P.C. Station 1423+40.97 N 7,073,171.9386 E 2,553,208.3384  
P.T. Station 1427+39.28 N 7,073,151.9074 E 2,553,605.8383  
C.C. N 7,076,116.4881 E 2,553,555.9777  
Back = S 83° 16' 00.18" E  
Ahead = N 89° 02' 11.21" E  
Chord Bear = S 87° 06' 54.48" E

Course from PT EXCRV2 to EXCL11 N 89° 02' 11.37" E Dist 2,438.3030

Point EXCL11 N 7,073,192.9089 E 2,556,043.7965 Sta 1451+77.58

Course from EXCL11 to PC EXCRV3 N 89° 12' 49.76" E Dist 1,760.3103

Curve Data  
\*-----\*

Curve EXCRV3  
P.I. Station 1471+32.56 N 7,073,219.7332 E 2,557,998.5974  
Delta = 11° 43' 51.31" (RT)  
Degree = 3° 01' 24.69"  
Tangent = 194.6747  
Length = 387.9883  
Radius = 1,895.0000  
External = 9.9733  
Long Chord = 387.3110  
Mid. Ord. = 9.9211  
P.C. Station 1469+37.89 N 7,073,217.0620 E 2,557,803.9411  
P.T. Station 1473+25.88 N 7,073,182.7718 E 2,558,189.7312  
C.C. N 7,071,322.2404 E 2,557,829.9422  
Back = N 89° 12' 49.76" E  
Ahead = S 79° 03' 18.92" E  
Chord Bear = S 84° 55' 14.58" E

Course from PT EXCRV3 to PC EXCRV4 S 79° 03' 18.92" E Dist 445.6845

Curve Data  
\*-----\*

Curve EXCRV4  
P.I. Station 1479+53.68 N 7,073,063.5763 E 2,558,806.1120  
Delta = 10° 48' 31.74" (LT)  
Degree = 2° 58' 35.05"  
Tangent = 182.1155  
Length = 363.1502  
Radius = 1,925.0000  
External = 8.5954  
Long Chord = 362.6120  
Mid. Ord. = 8.5572  
P.C. Station 1477+71.56 N 7,073,098.1531 E 2,558,627.3090  
P.T. Station 1481+34.71 N 7,073,063.1442 E 2,558,988.2270  
C.C. N 7,074,988.1388 E 2,558,992.7938  
Back = S 79° 03' 18.92" E  
Ahead = S 89° 51' 50.67" E  
Chord Bear = S 84° 27' 34.79" E

Course from PT EXCRV4 to EXCL12 S 89° 51' 50.67" E Dist 571.6993

Point EXCL12 N 7,073,061.7880 E 2,559,559.9247 Sta 1487+06.41

Course from EXCL12 to EXCL7 S 89° 48' 37.80" E Dist 1,102.8451

Point EXCL7 N 7,073,058.1405 E 2,560,662.7638 Sta 1498+09.26

Ending chain EXCL2514 description

DATE:3/16/2017 TIME:3:23:02 PM FILE:c:\pwworking\dwg\online\txdot\5\vrachae.l.twi\ggs\dms07844\Alignment Data.dgn

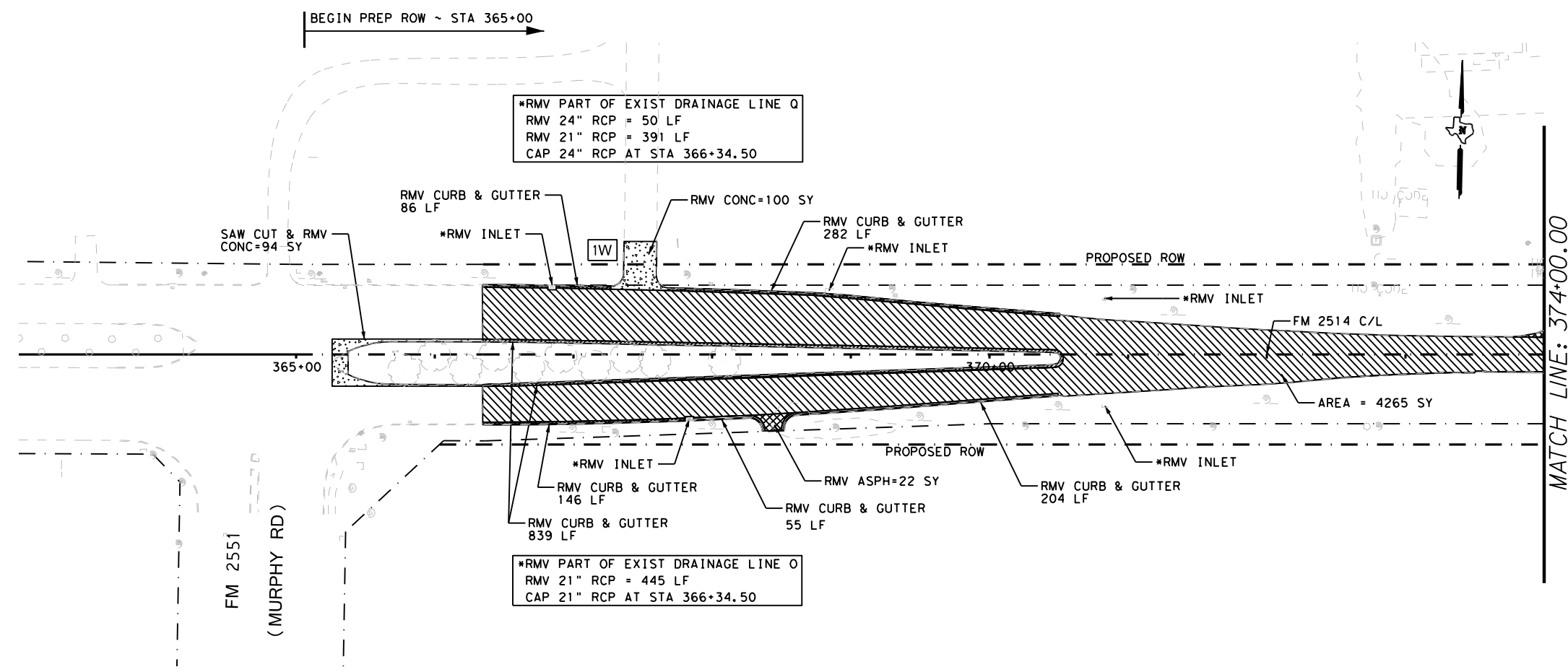


**FM 2514  
HORIZONTAL ALIGNMENT DATA**

SHEET 2 OF 2

DESIGN	FED. RD. DIV. NO:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	135
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

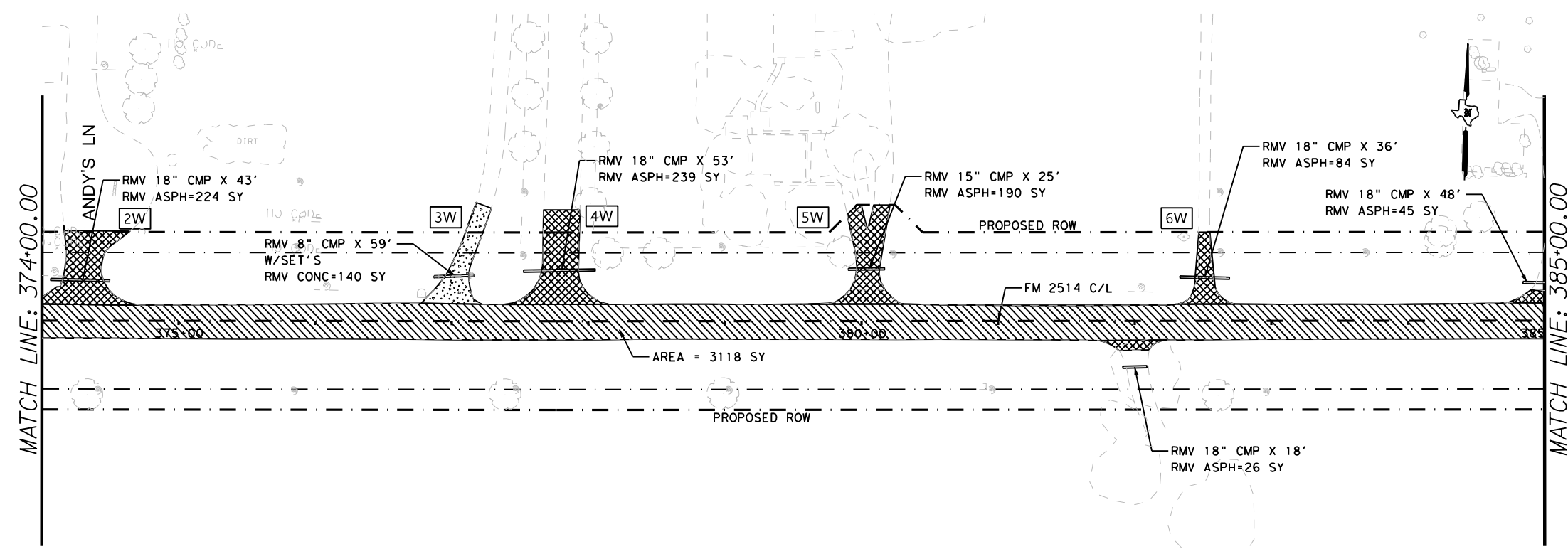
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**LEGEND**

- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
- ITEM 104 - REMOVING CONCRETE
- ITEM 105 - REMOVING ASPHALT DRIVEWAY
- DRIVEWAY NO.

NOTE:  
 \*SEE AS BUILTS CSJ 2679-01-009 FOR EXISTING DRAINAGE INFORMATION AT BEGIN PROJECT LIMITS.



**PRELIMINARY**

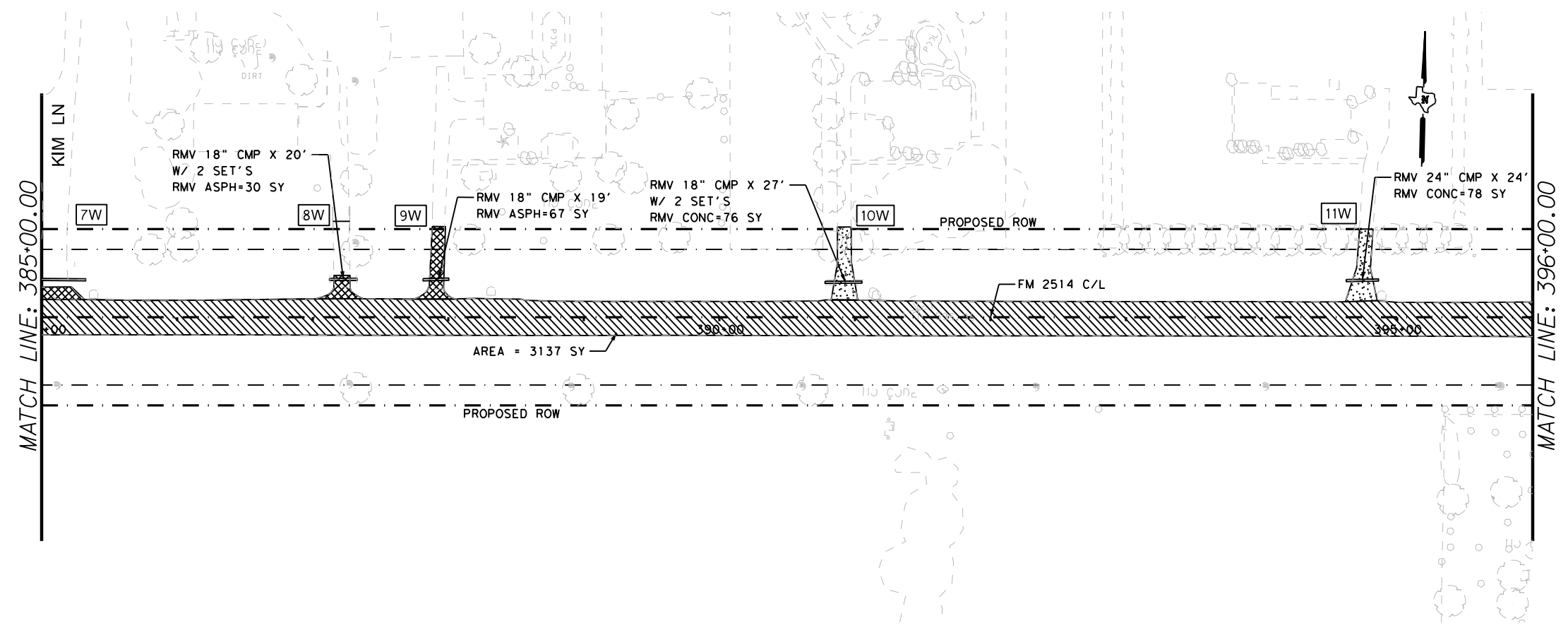
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 P.E. 119291  
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**FM 2514  
 REMOVAL PLAN**

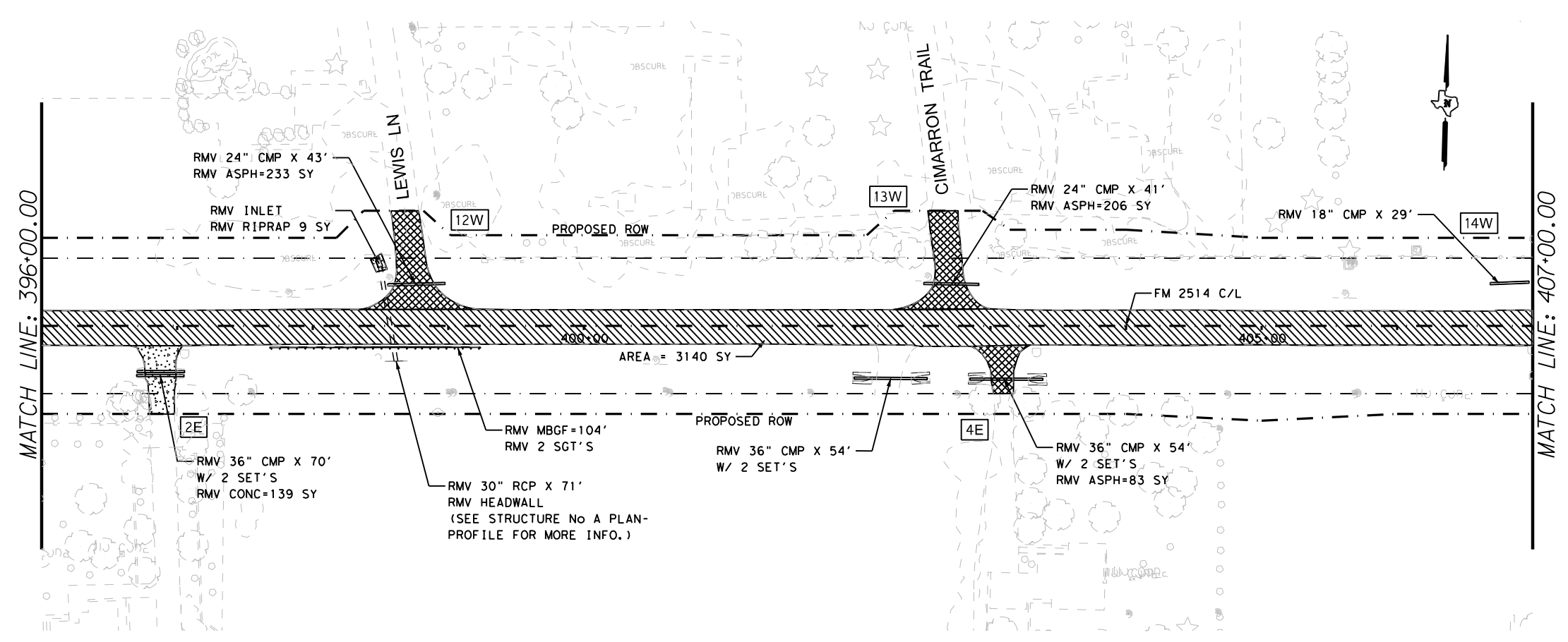
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DESIGN	FED. RD. DIV. NO.: 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
			136





- LEGEND**
- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
  - ITEM 104 - REMOVING CONCRETE
  - ITEM 105 - REMOVING ASPHALT DRIVEWAY
  - DRIVEWAY NO.

NOTE:  
 \*SEE AS BUILTS CSJ 2679-01-009 FOR EXISTING DRAINAGE INFORMATION AT BEGIN PROJECT LIMITS.



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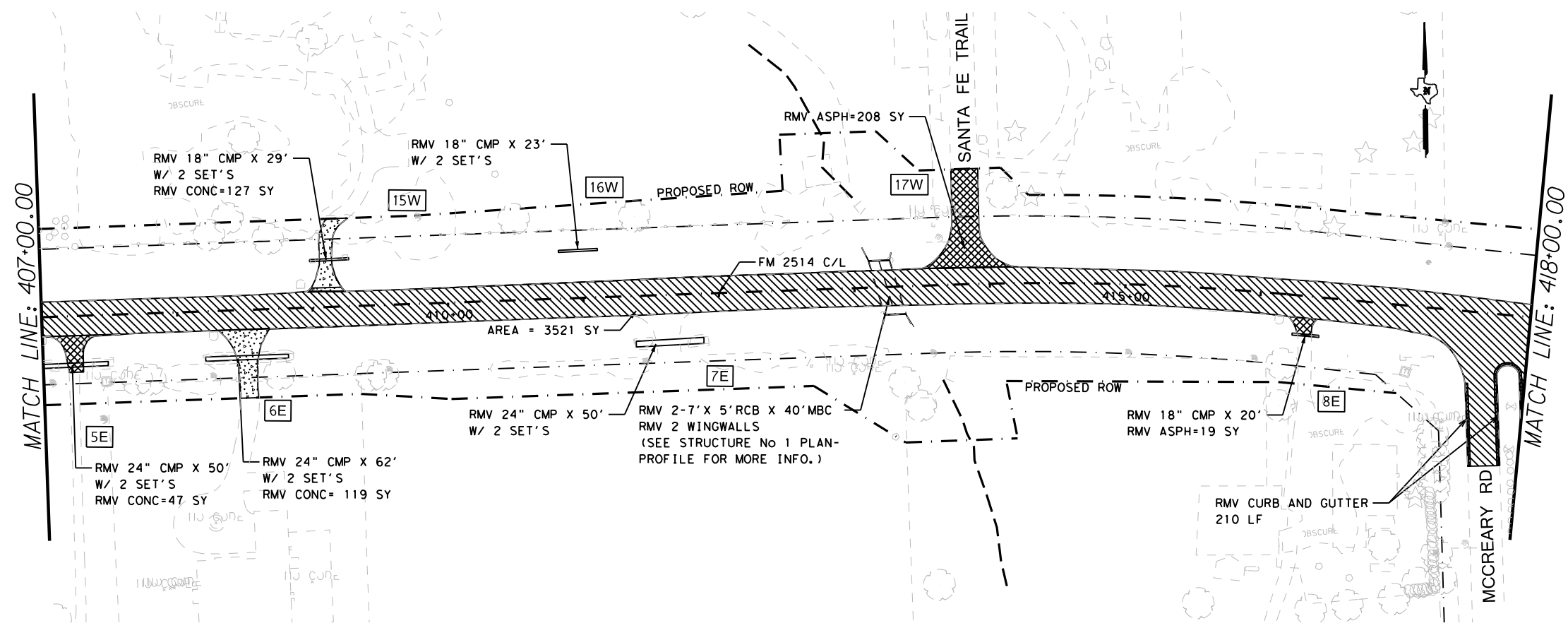


**FM 2514  
 REMOVAL PLAN**

SCALE: 1"=100' SHEET 2 OF 6

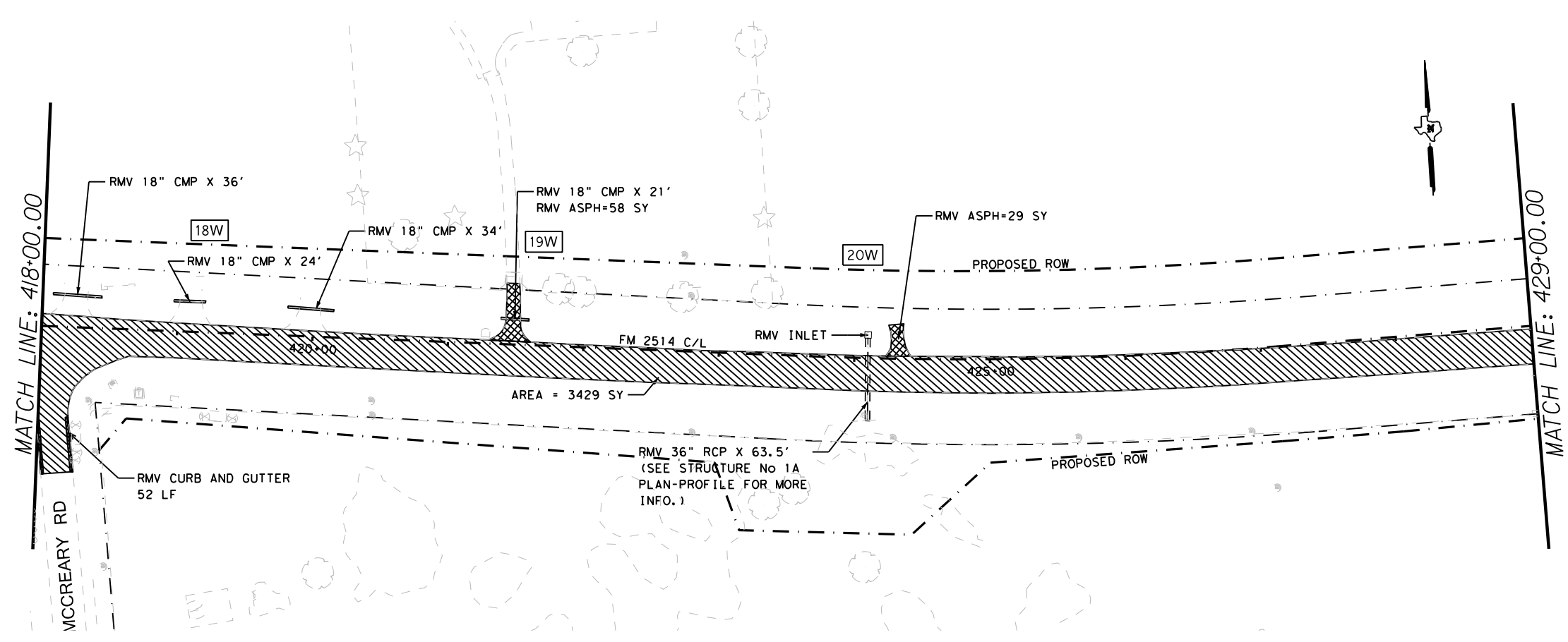
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GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 137
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/16/2017 TIME: 3:24:10 PM  
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- LEGEND**
- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
  - ITEM 104 - REMOVING CONCRETE
  - ITEM 105 - REMOVING ASPHALT DRIVEWAY
  - DRIVEWAY NO.

NOTE:  
 \*SEE AS BUILTS CSJ 2679-01-009 FOR EXISTING DRAINAGE INFORMATION AT BEGIN PROJECT LIMITS.



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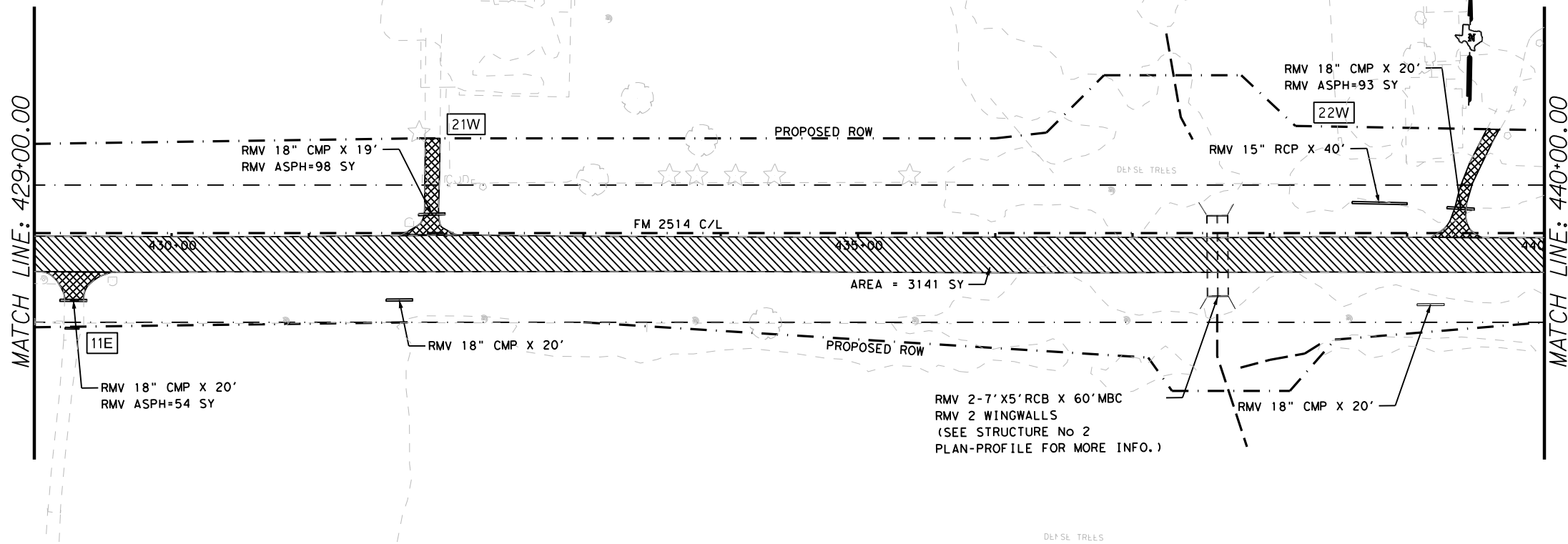


**FM 2514  
 REMOVAL PLAN**

SCALE: 1"=100' SHEET 3 OF 6

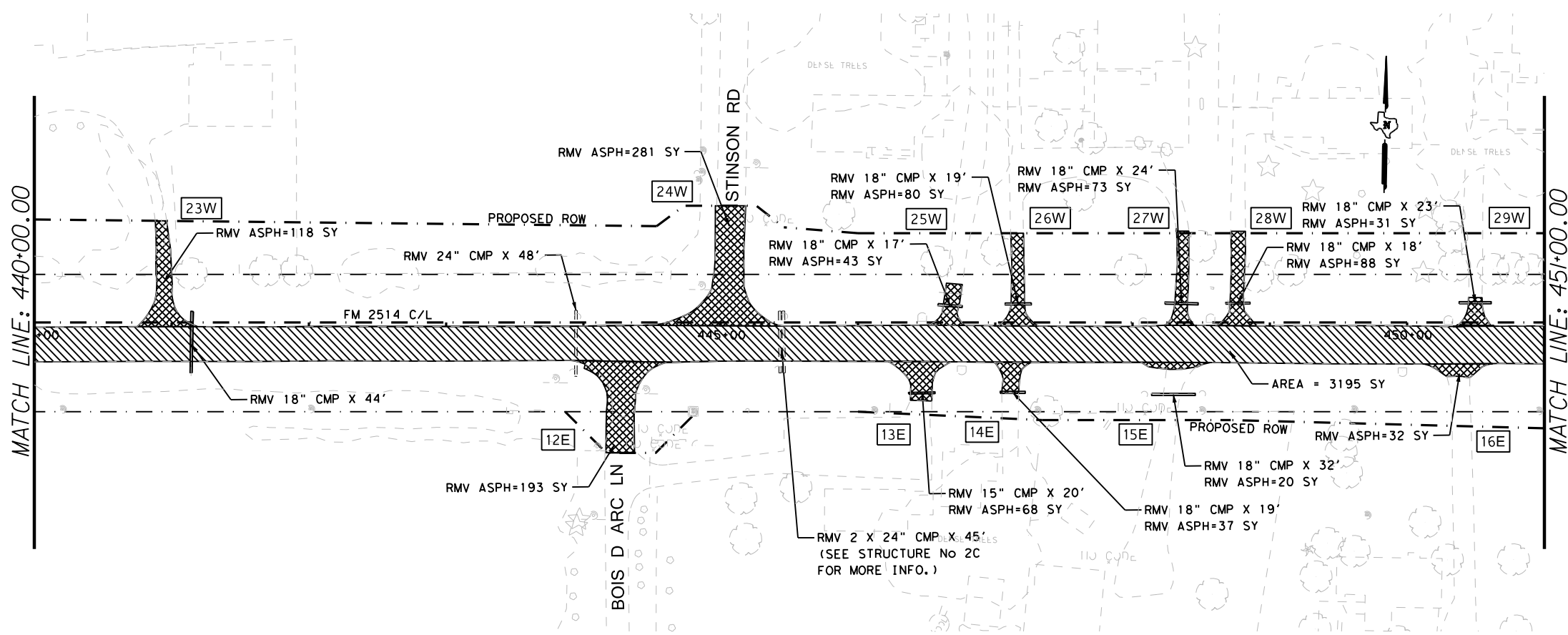
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CHECK	TEXAS	DAL	COLLIN	138
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

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- LEGEND**
- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
  - ITEM 104 - REMOVING CONCRETE
  - ITEM 105 - REMOVING ASPHALT DRIVEWAY
  - DRIVEWAY NO.

NOTE:  
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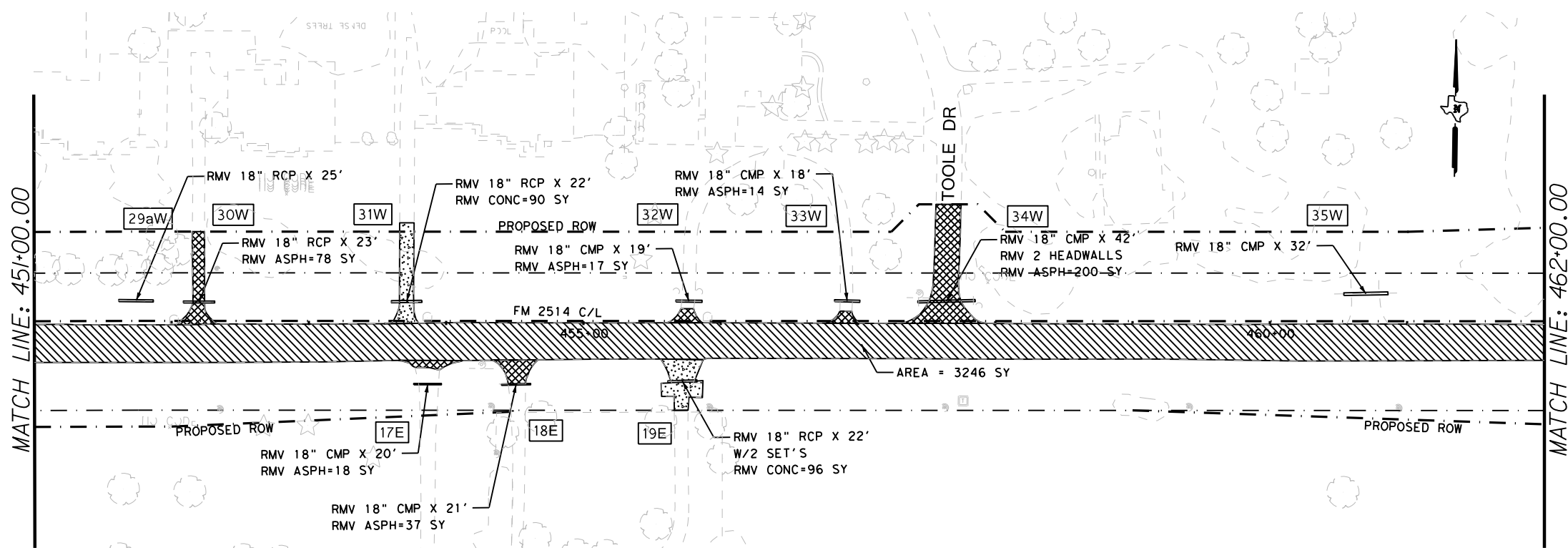


**FM 2514  
 REMOVAL PLAN**

SCALE: 1"=100' SHEET 4 OF 6

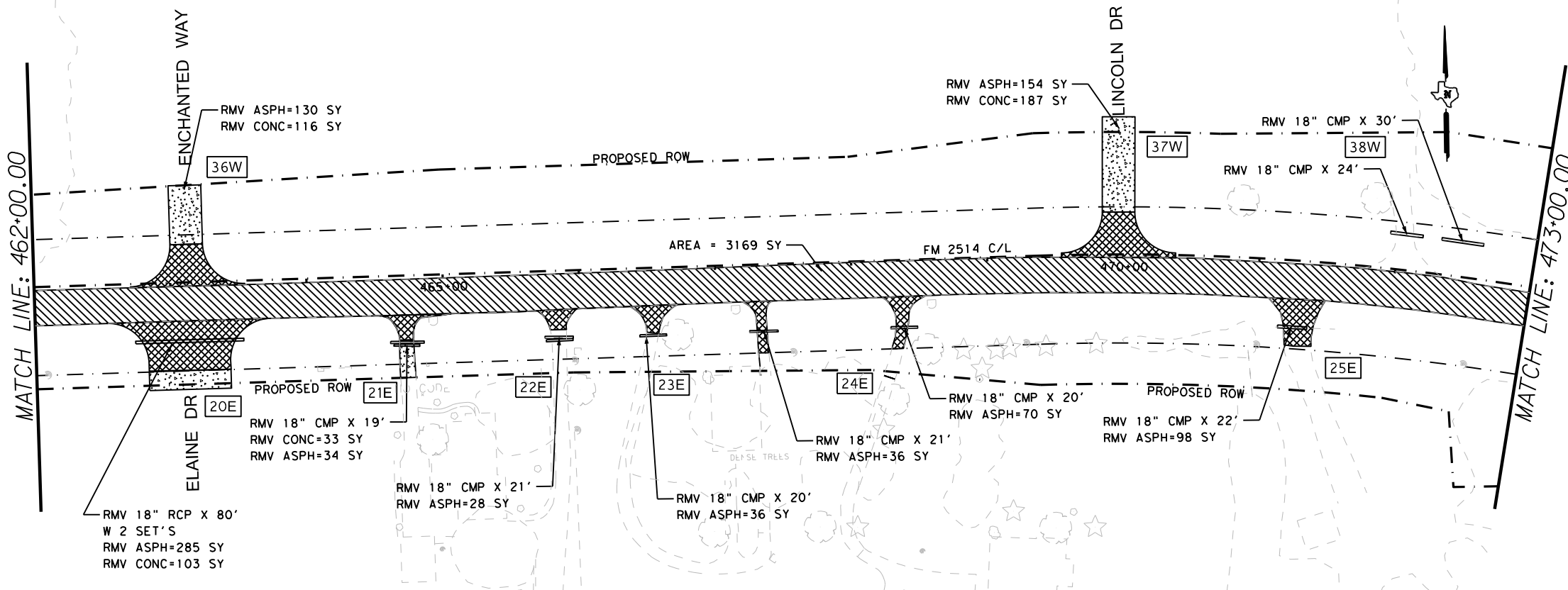
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GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN
CHECK	CONTROL 2679	SECTION 02	JOB 008
			SHEET NO. 139

DATE: 3/16/2017 TIME: 3:24:41 PM  
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- LEGEND**
- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
  - ITEM 104 - REMOVING CONCRETE
  - ITEM 105 - REMOVING ASPHALT DRIVEWAY
  - DRIVEWAY NO.

NOTE:  
 \*SEE AS BUILTS CSJ 2679-01-009 FOR EXISTING DRAINAGE INFORMATION AT BEGIN PROJECT LIMITS.



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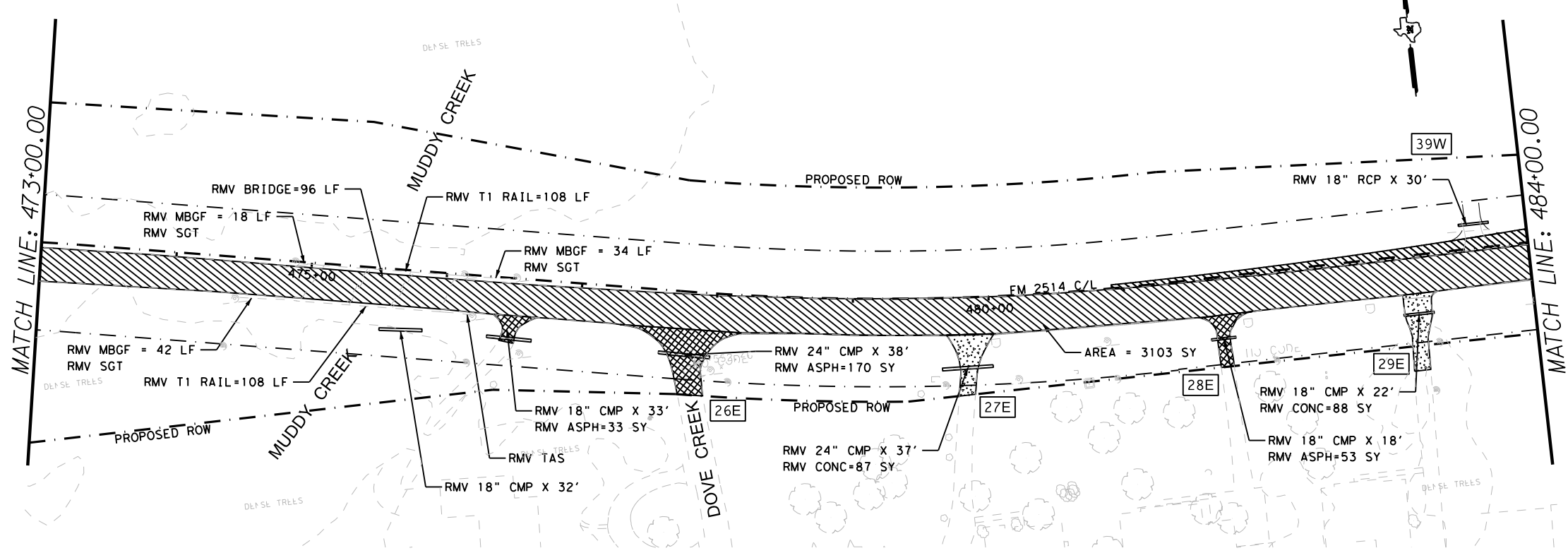


**FM 2514  
 REMOVAL PLAN**

SCALE: 1"=100' SHEET 5 OF 6

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
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CHECK	TEXAS	DAL	COLLIN	140
	CONTROL	SECTION	JOB	
	2679	02	008	

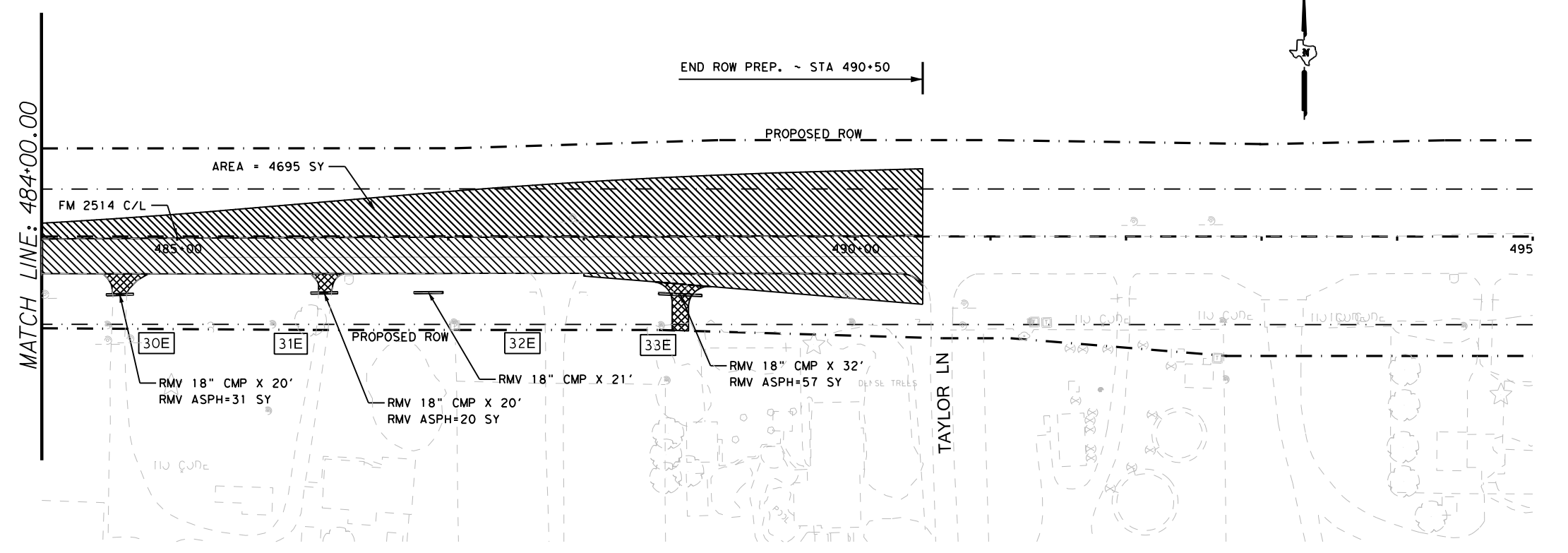
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**LEGEND**

- ITEM 105 - REMOVE STAB BASE AND ASPHALT PAV
- ITEM 104 - REMOVING CONCRETE
- ITEM 105 - REMOVING ASPHALT DRIVEWAY
- DRIVEWAY NO.

NOTE:  
 \*SEE AS BUILTS CSJ 2679-01-009 FOR EXISTING DRAINAGE INFORMATION AT BEGIN PROJECT LIMITS.



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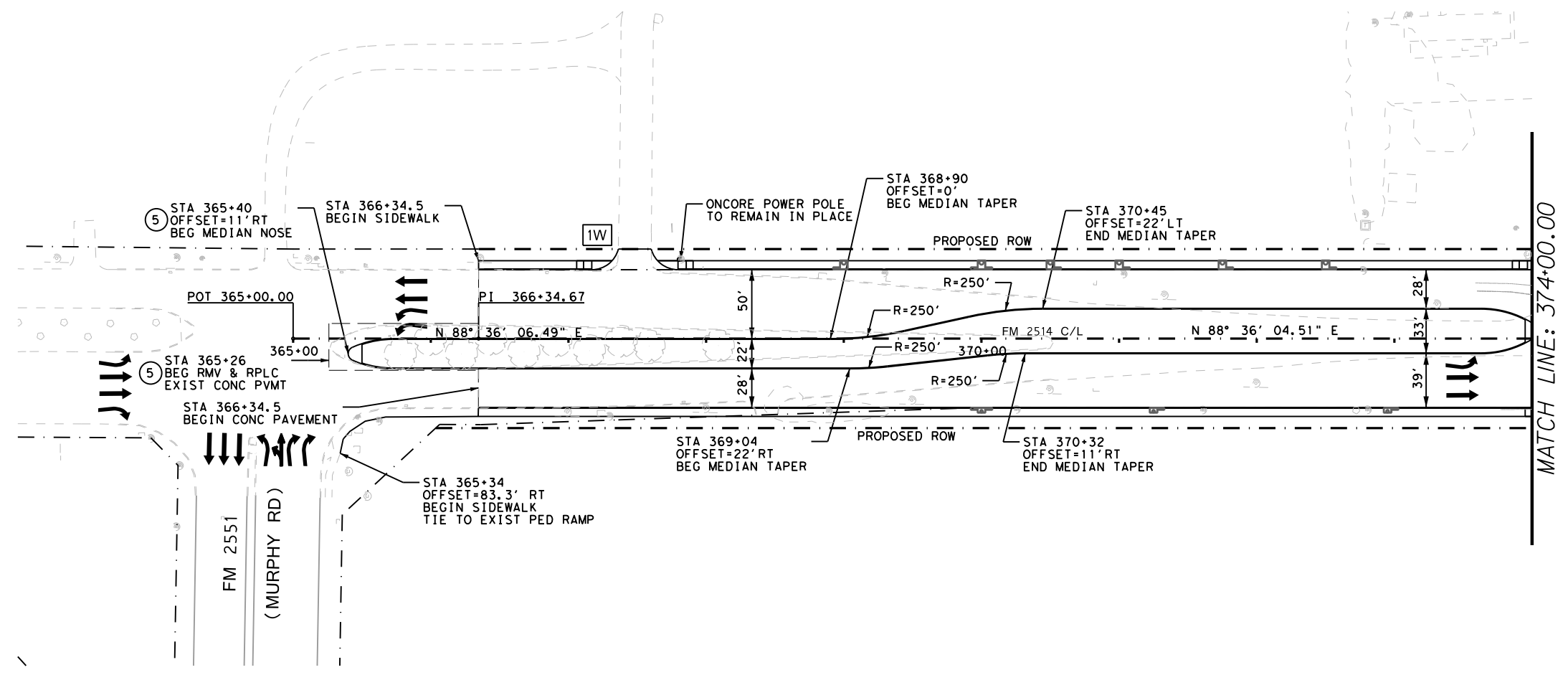
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**FM 2514  
 REMOVAL PLAN**

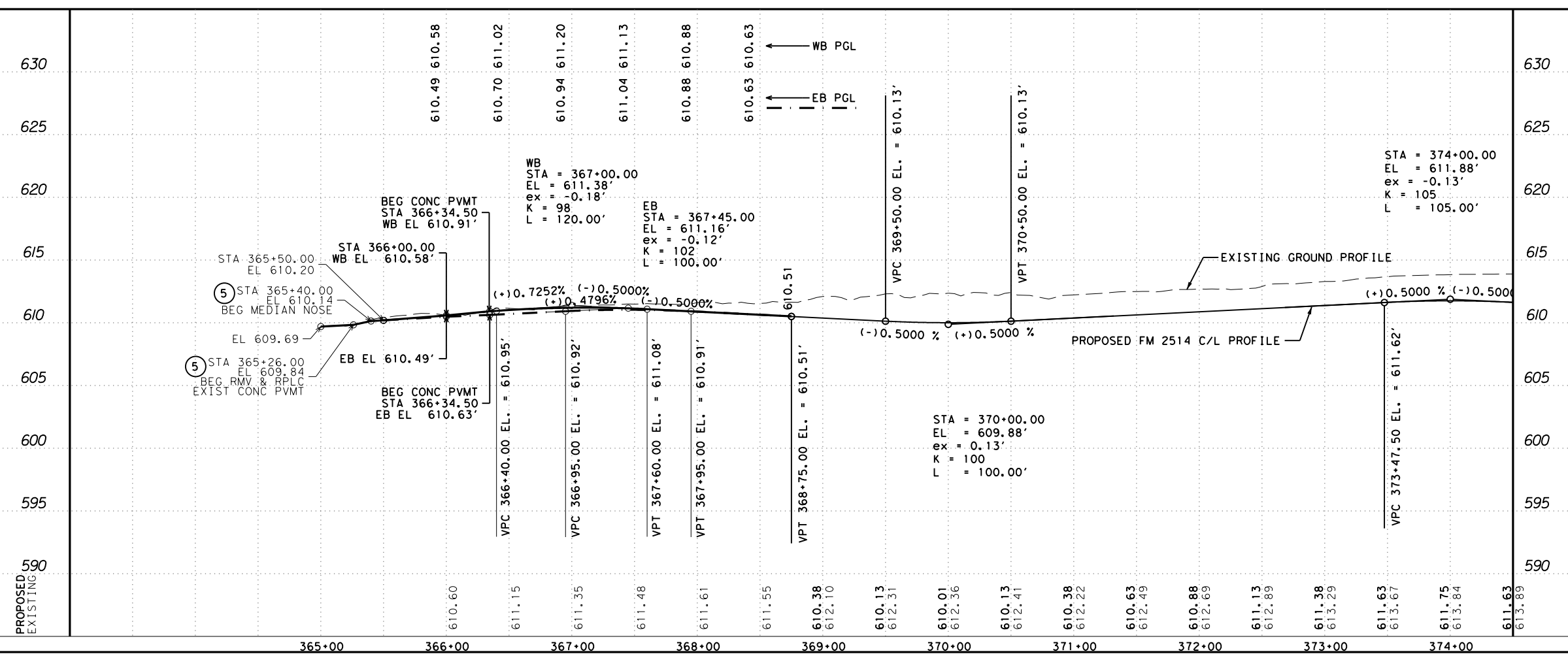
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DESIGN	FED. RD. DIV. NO.: 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
CHECK			141

DATE: 3/16/2017 TIME: 3:25:13 PM  
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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6. DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

DATE: 3/16/2017 TIME: 3:26:06 PM  
FILE: c:\pwworking\dwg\onl\ine\txdot\5\vrachae\1\fw\ggs\dms07844\Plan\_Profile1.e1.dgn



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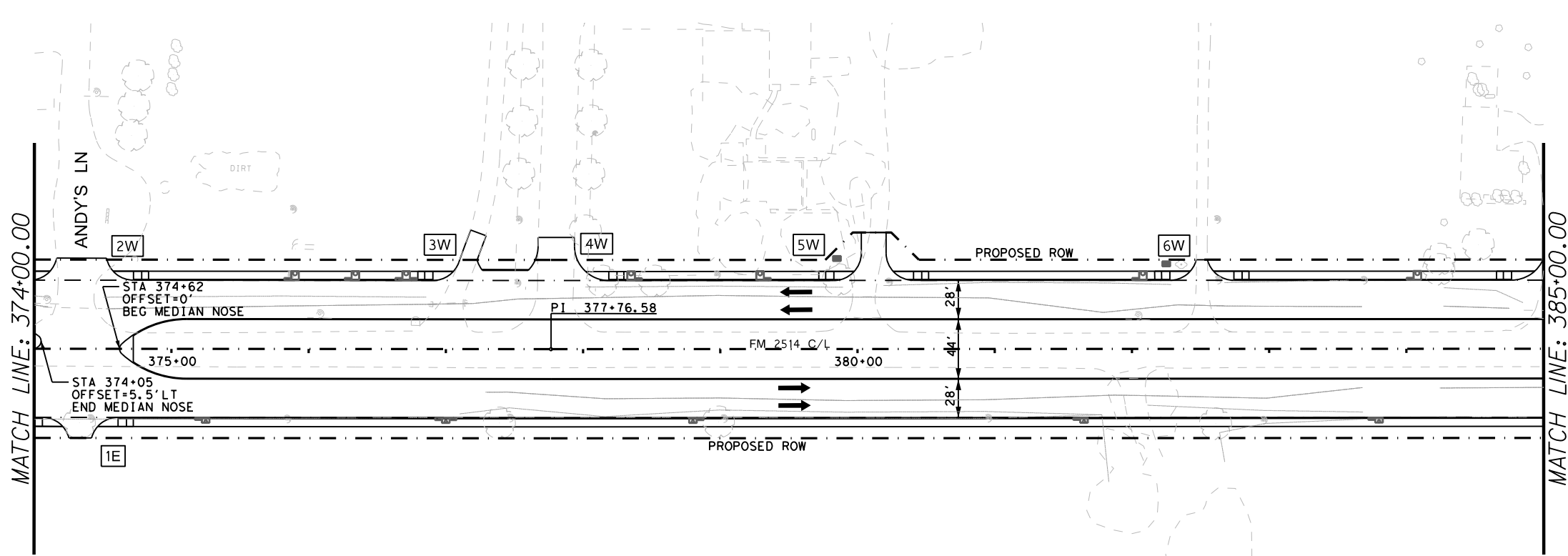
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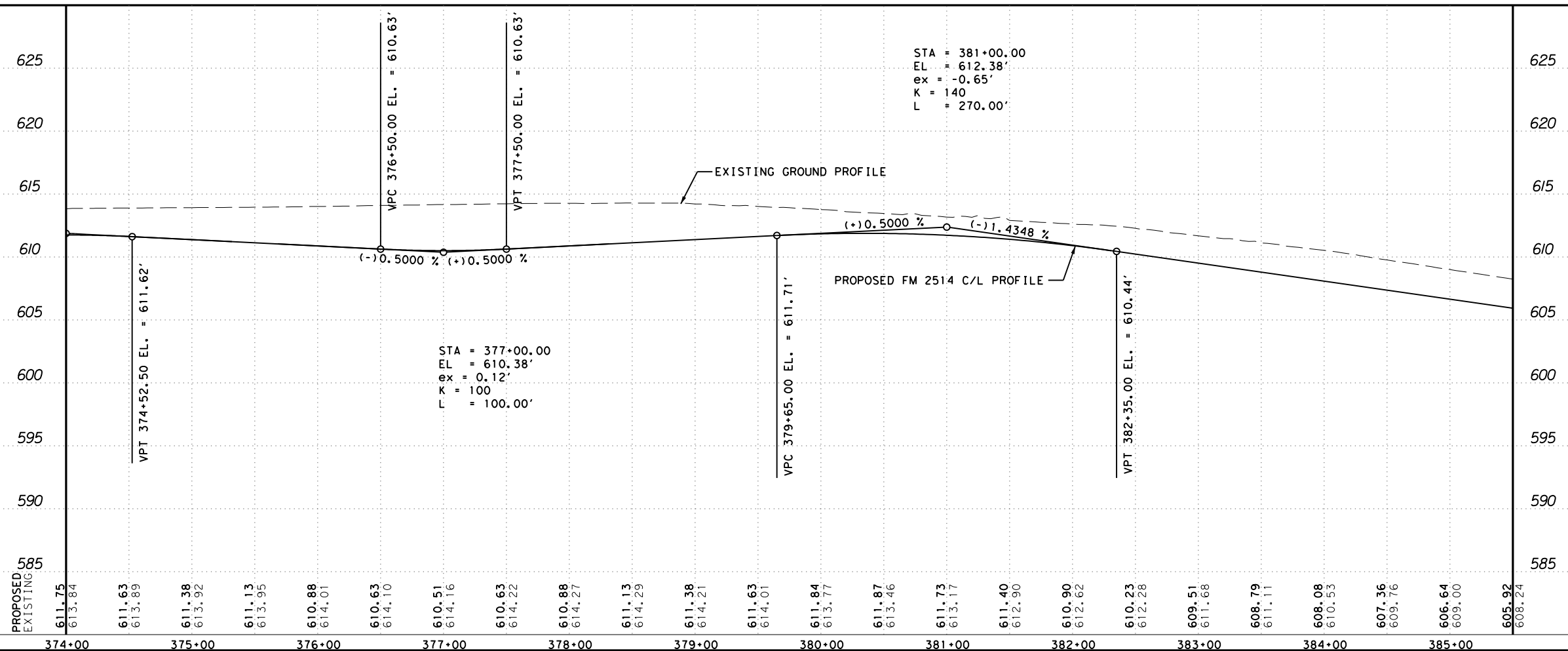
**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1"=100'		SHEET 1 OF 12	
DESIGN	FED. RD. DIV. NO.: 6	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM2514
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
CHECK			142



- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

DATE: 3/16/2017 TIME: 3:26:18 PM  
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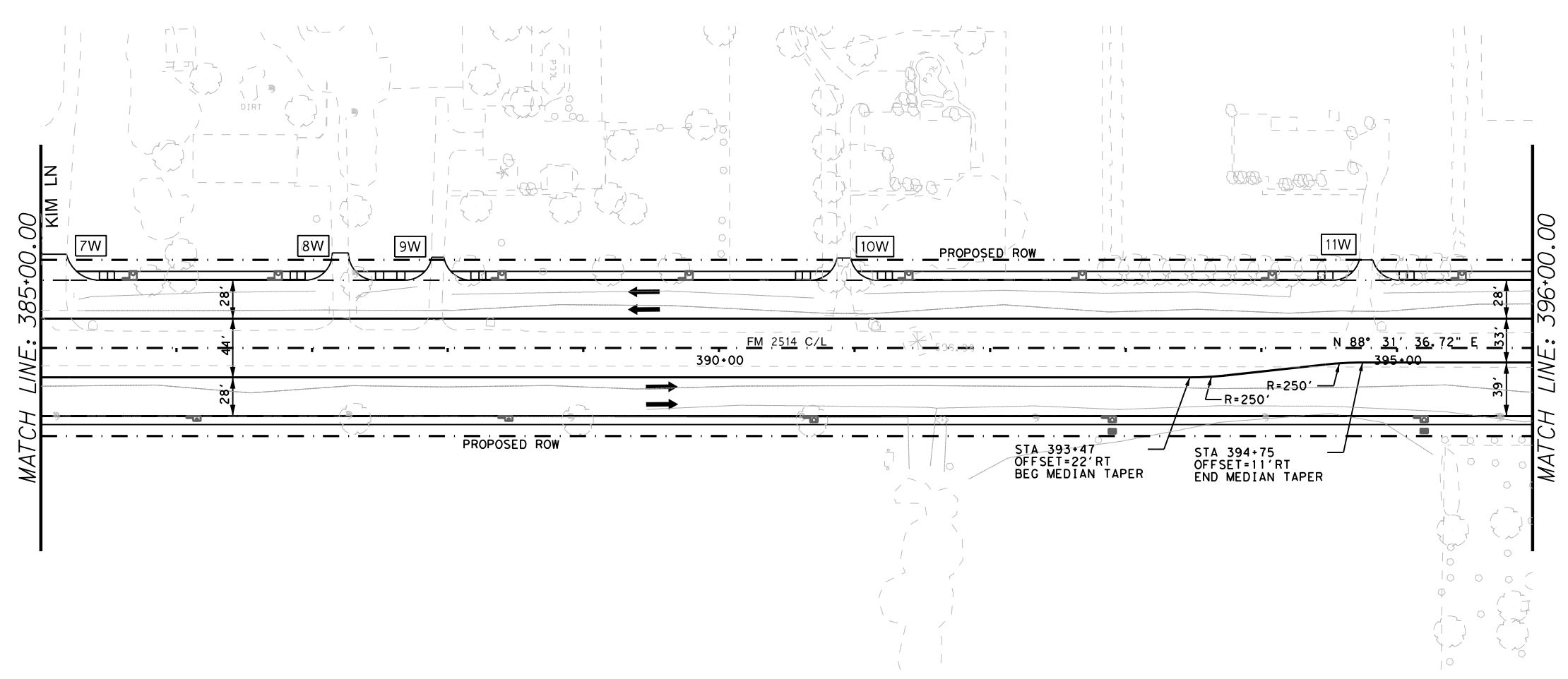
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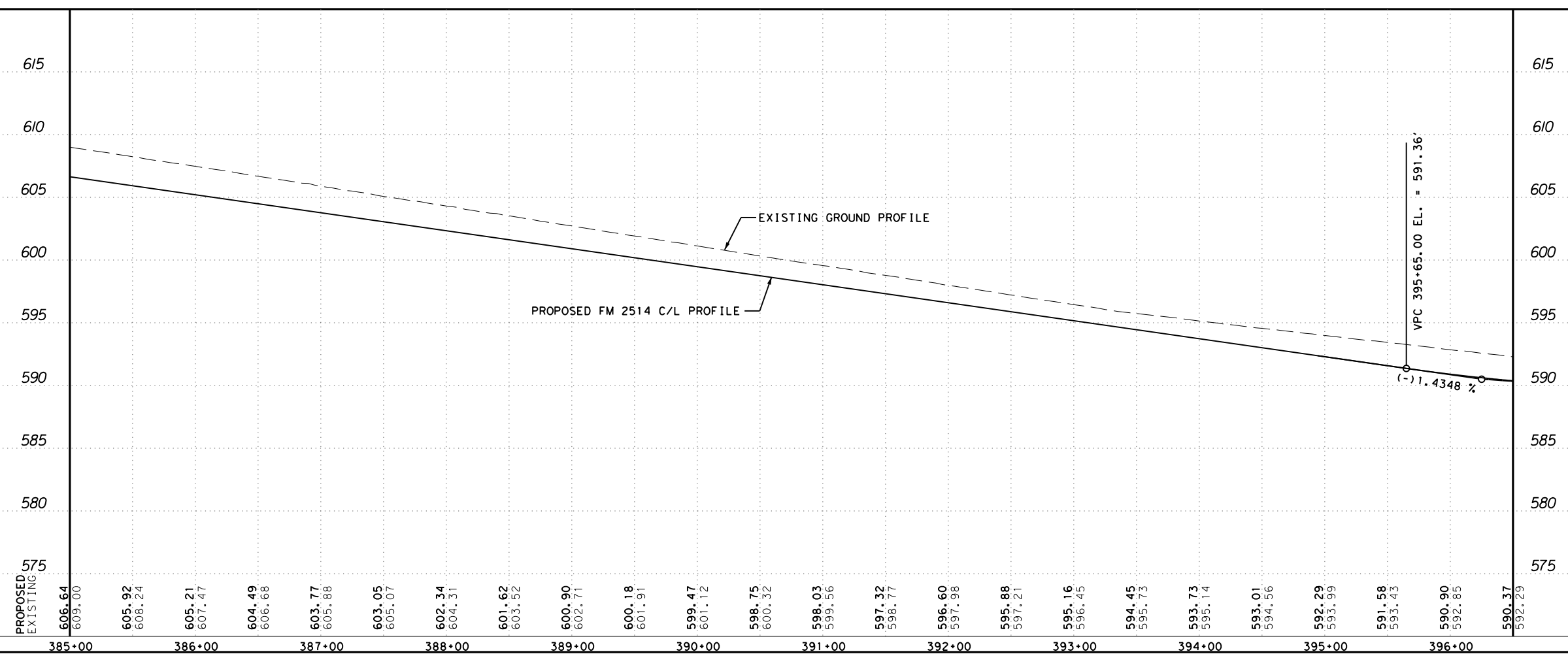
**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1"=100' SHEET 2 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	143
	CONTROL	SECTION	JOB	
	2679	02	008	



- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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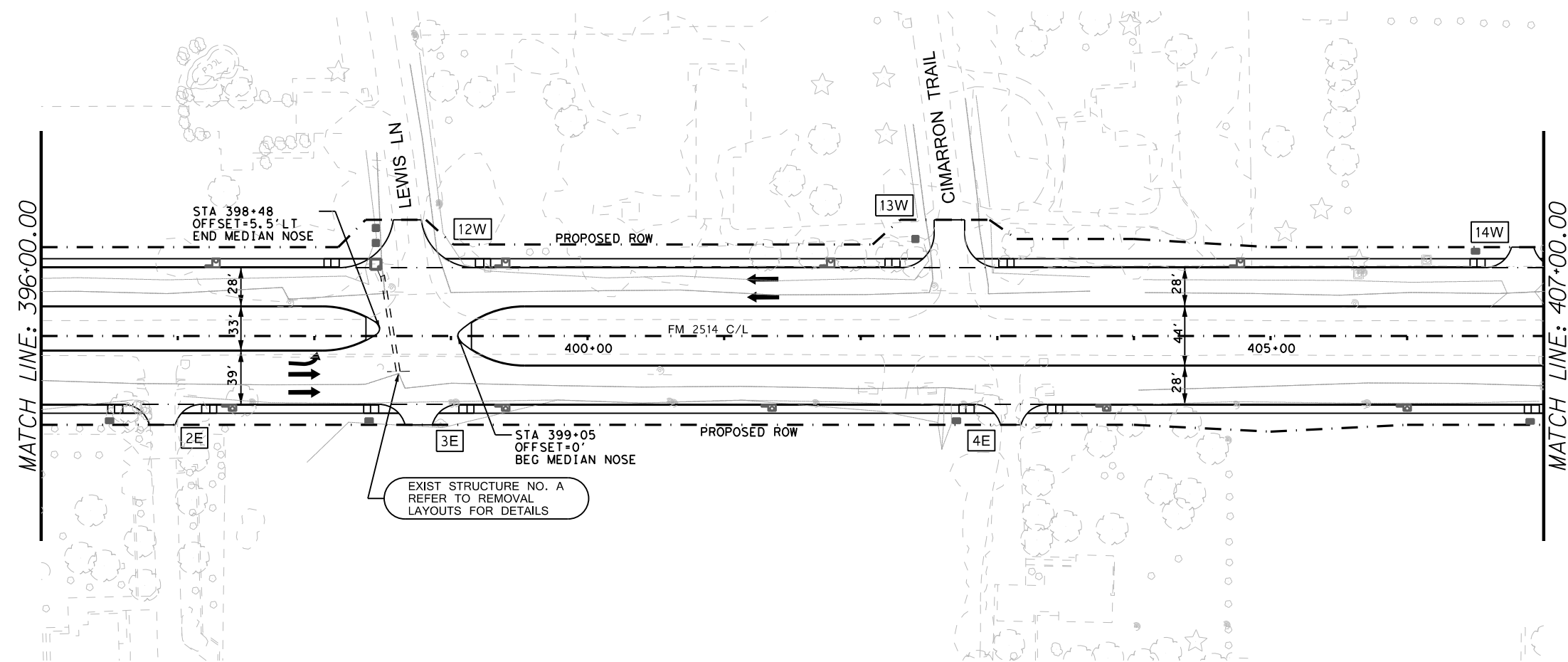
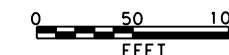


**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1"=100'		SHEET 3 OF 12	
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.	
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CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	DAL	COLLIN
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	2679	02	008
			HIGHWAY NO. FM2514
			SHEET NO. 144

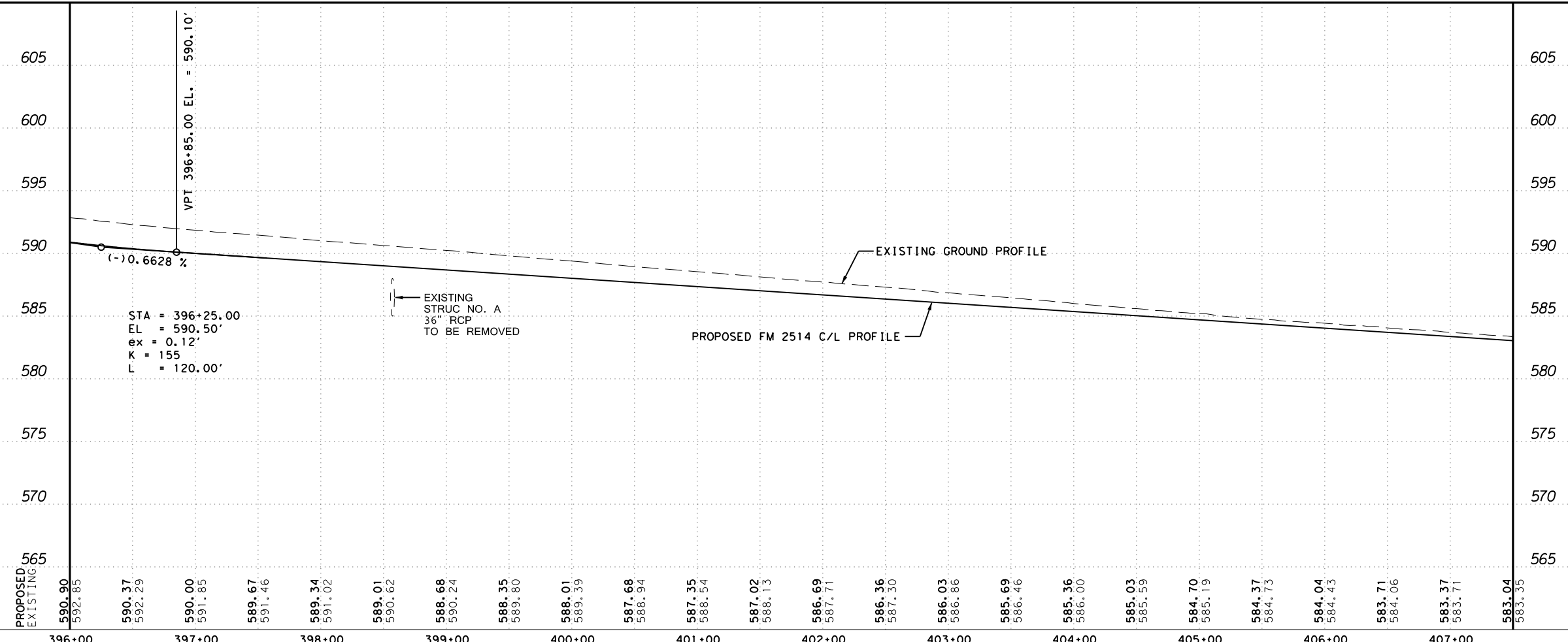
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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

EXIST STRUCTURE NO. A REFER TO REMOVAL LAYOUTS FOR DETAILS



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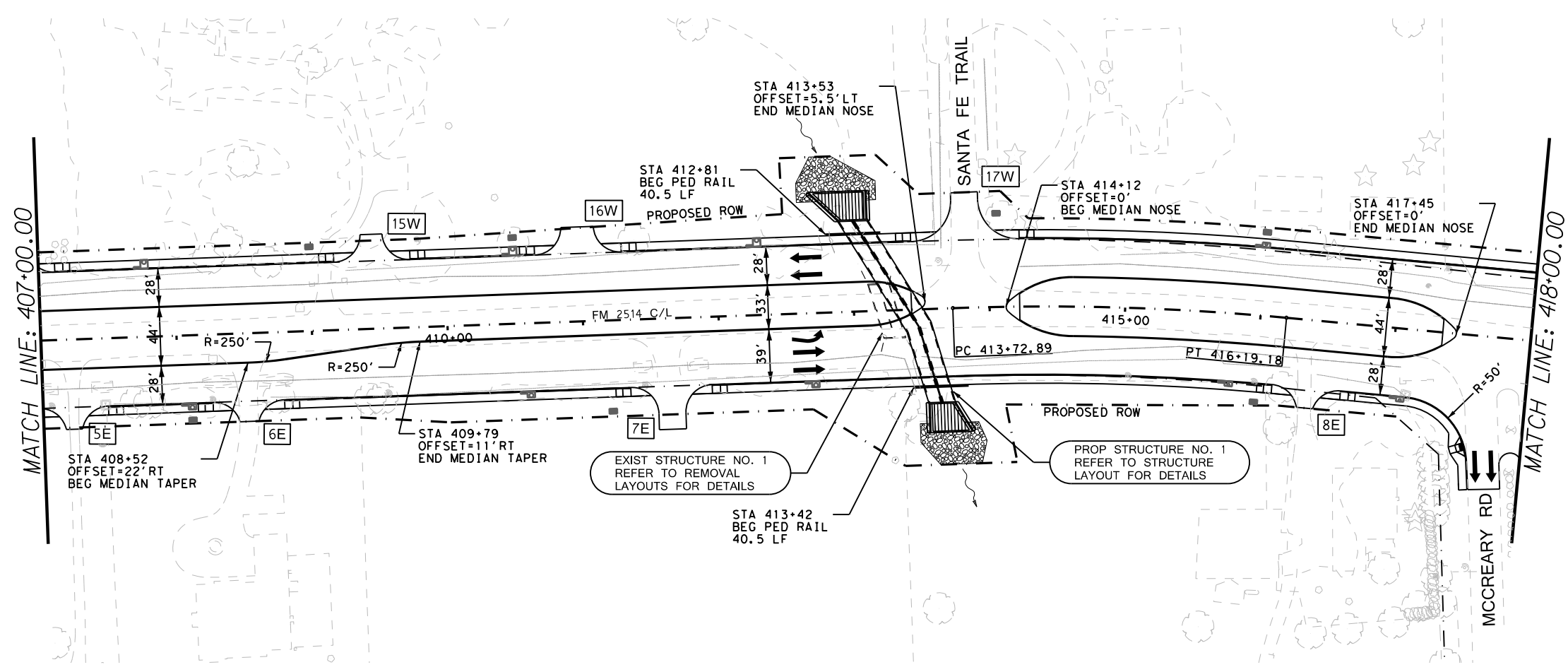


**FM 2514  
ROADWAY  
PLAN & PROFILE**

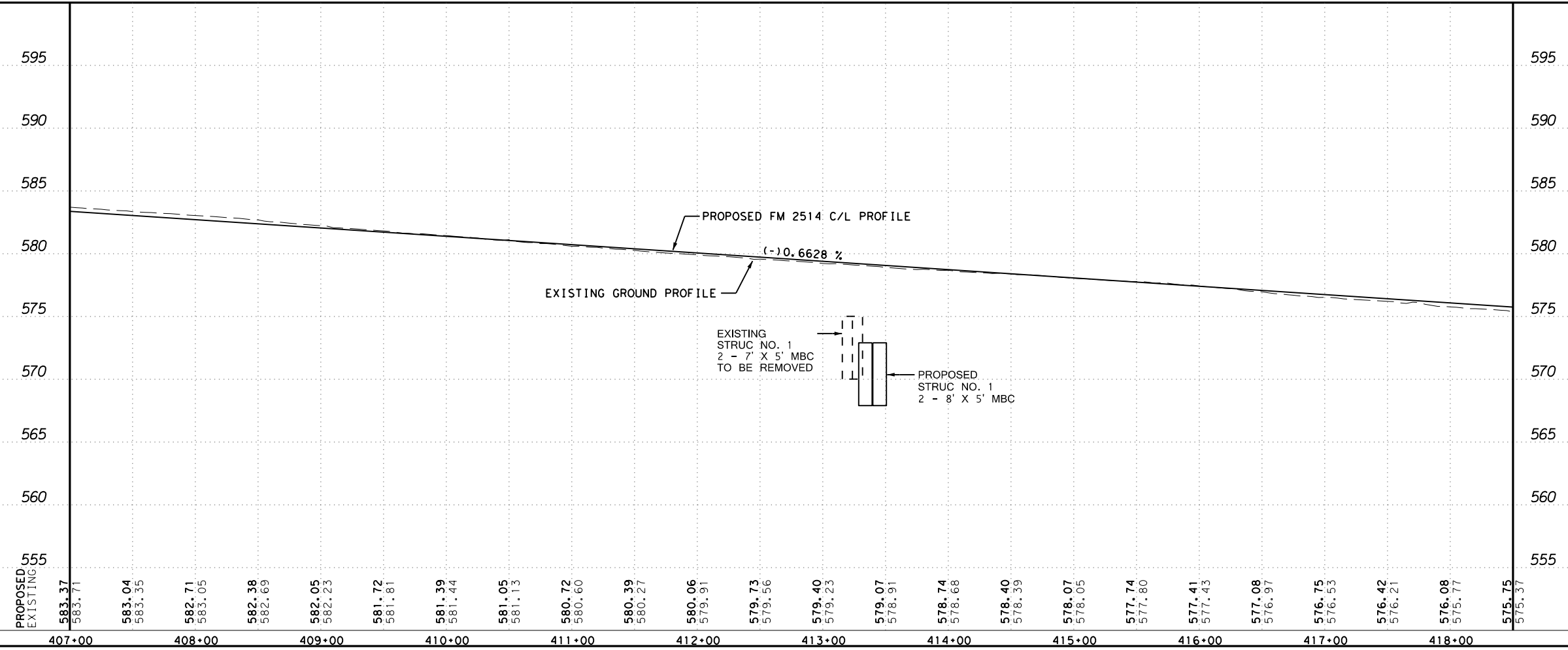
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CHECK	TEXAS	COUNTY	SHEET NO. 145
CHECK	CONTROL	SECTION	JOB
	2679	02	008

DATE: 3/16/2017 TIME: 3:26:42 PM

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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6. DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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ON: 3/16/2017

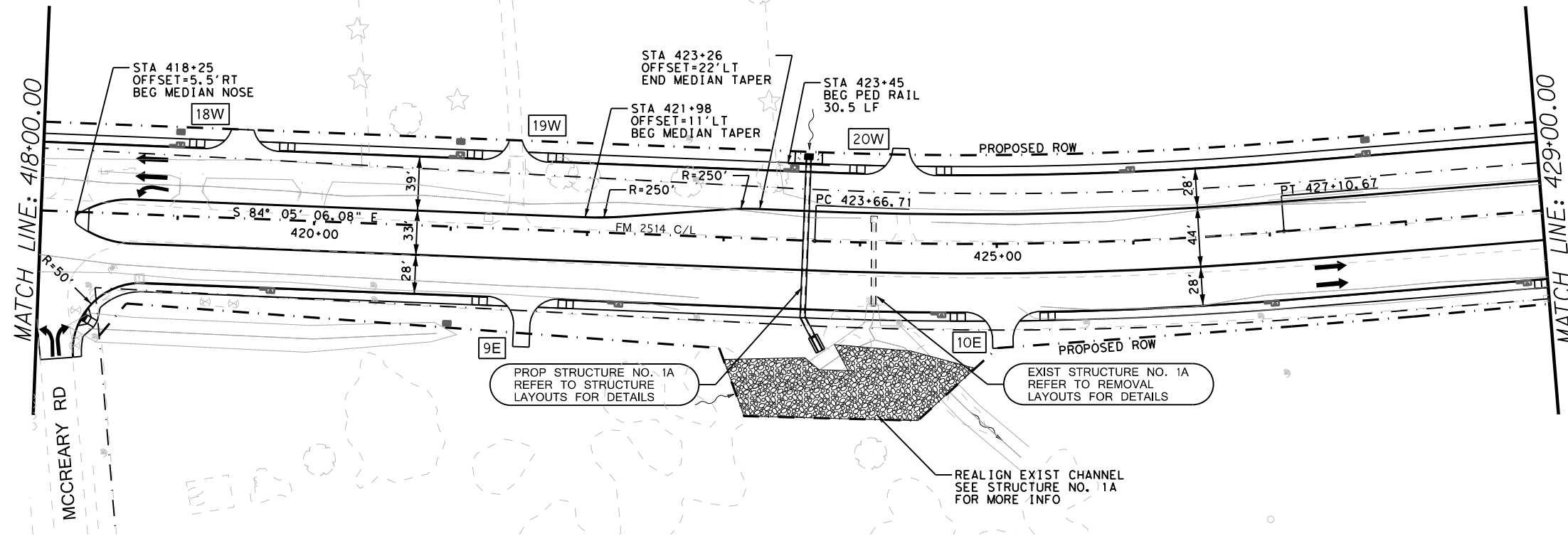
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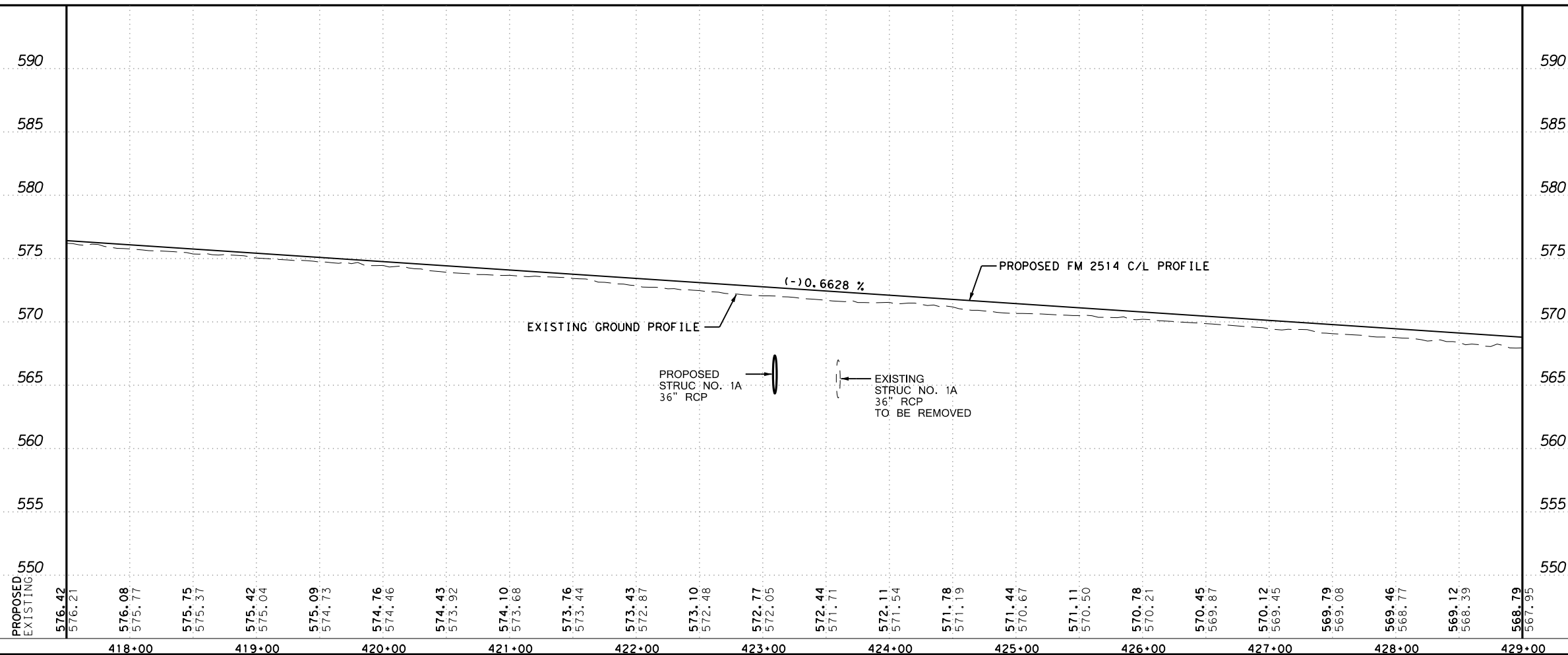
**FM 2514  
ROADWAY  
PLAN & PROFILE**

SCALE: 1"=100'		SHEET 5 OF 12	
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET	
GRAPHICS	STATE	DISTRICT	COUNTY
CHECK	TEXAS	DAL	COLLIN
CHECK	CONTROL	SECTION	JOB
	2679	02	008
			146

DATE: 3/16/2017 TIME: 3:26:55 PM  
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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6. DRIVWAY NO. - SEE DRIVWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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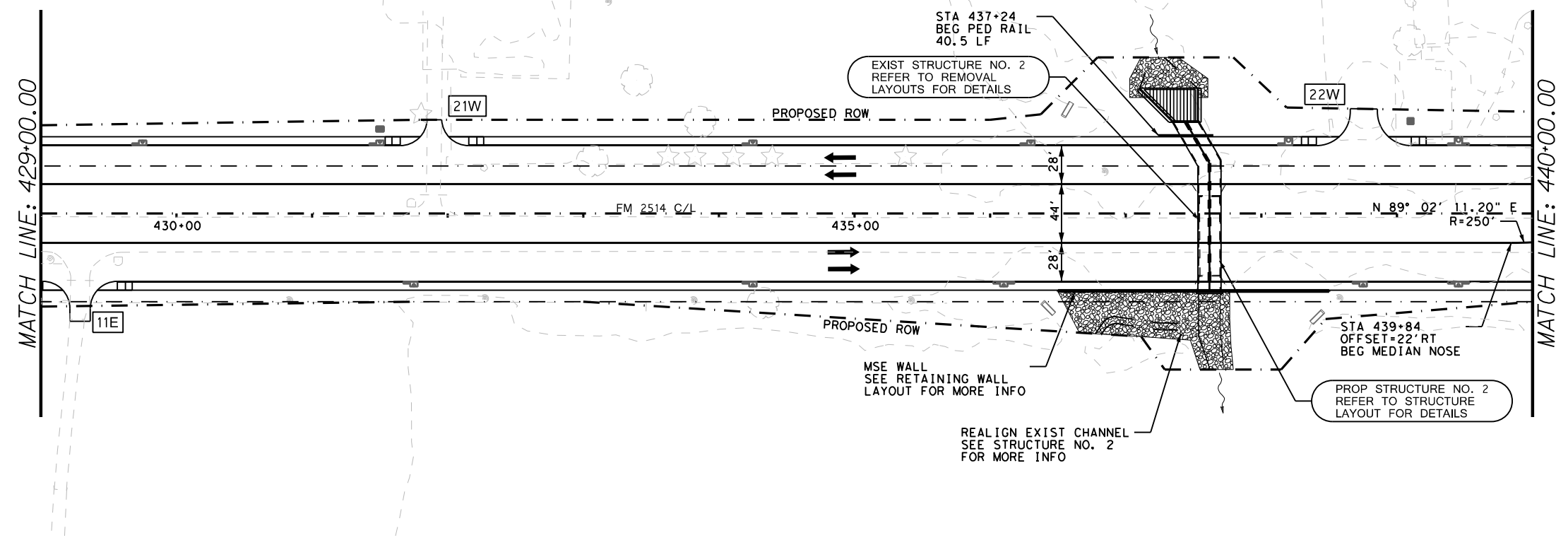


**FM 2514  
ROADWAY  
PLAN & PROFILE**

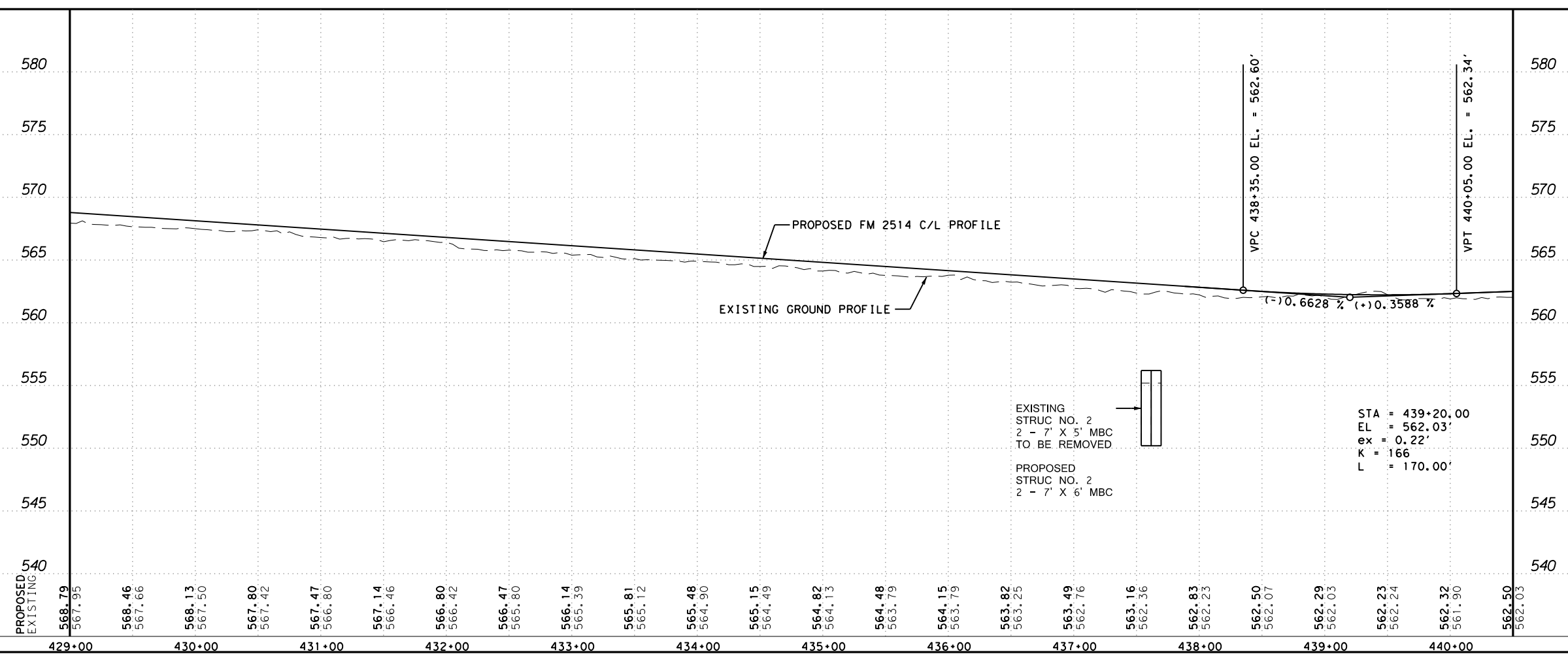
SCALE: 1"=100' SHEET 6 OF 12

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.:		HIGHWAY NO.:
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CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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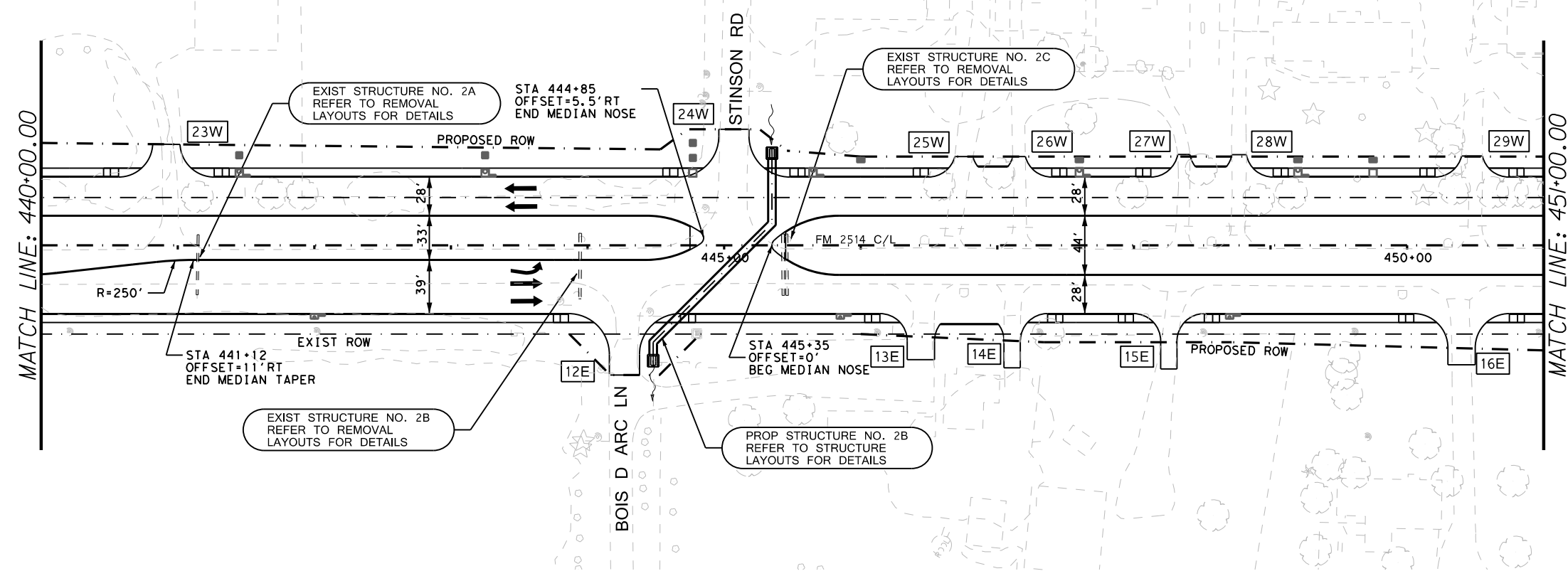
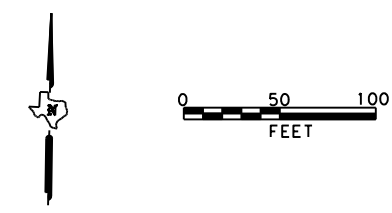


**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1"=100' SHEET 7 OF 12

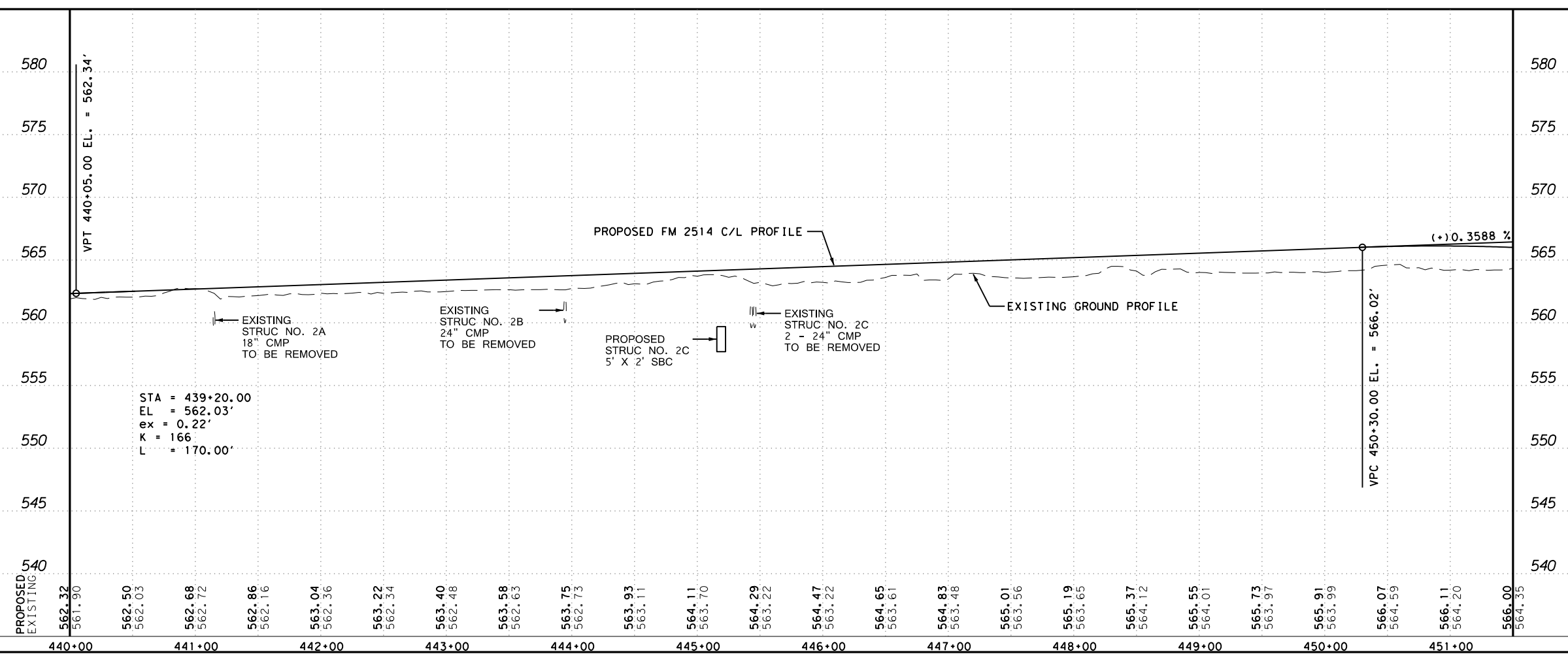
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CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	148
	CONTROL	SECTION	JOB	
	2679	02	008	

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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6. DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

DATE: 3/16/2017 TIME: 3:27:35 PM  
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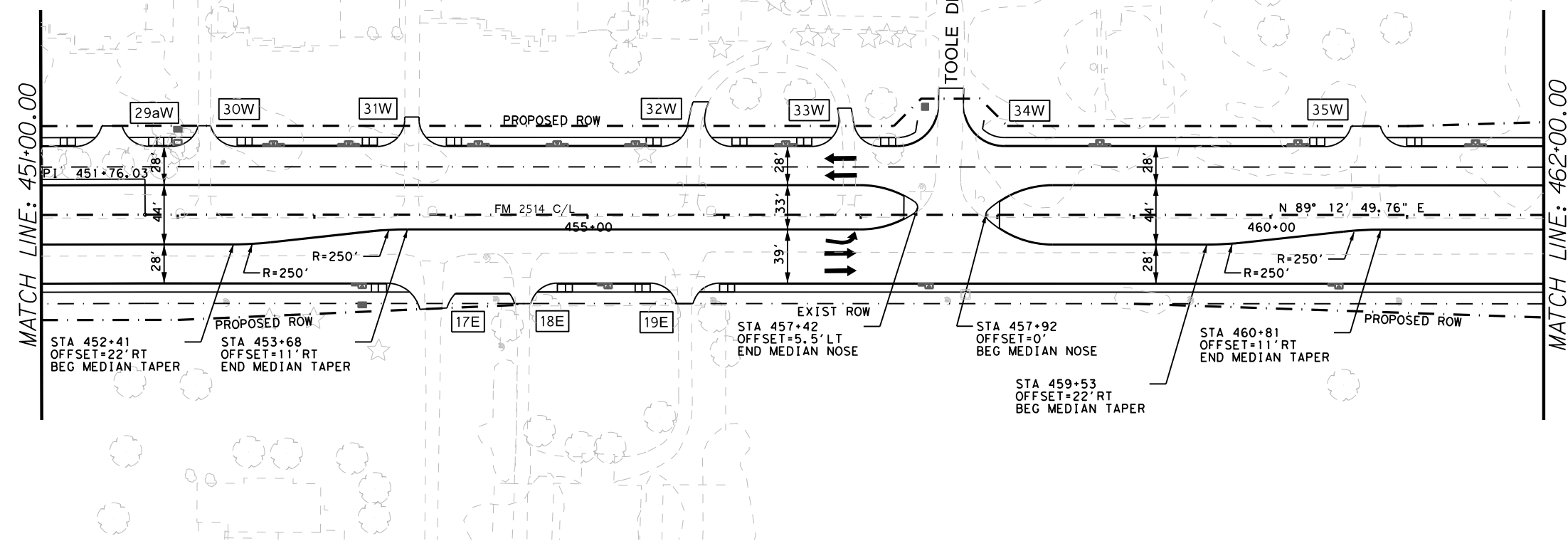
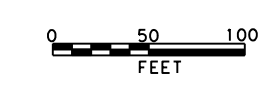
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 SUSAN A. ICKE  
 P.E. 87752  
 ON: 3/16/2017  
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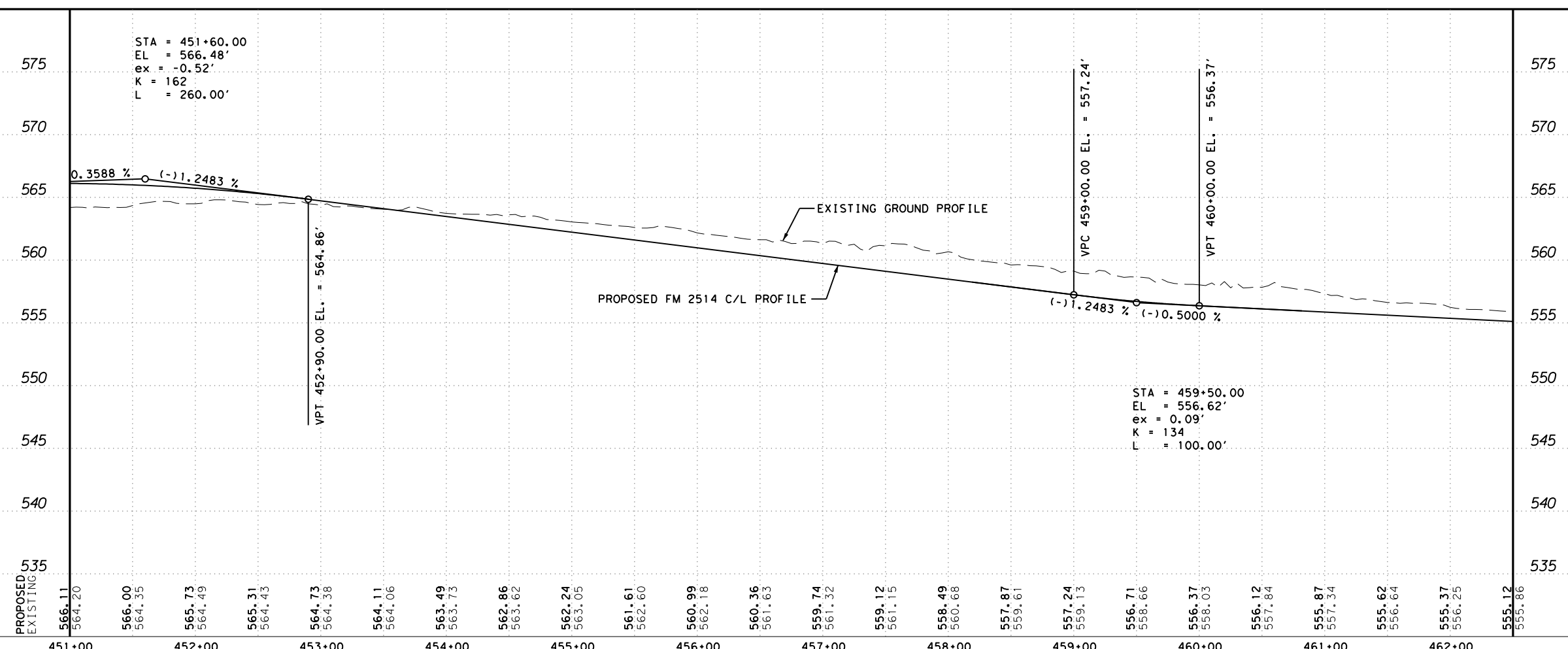
**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1" = 100'		SHEET 8 OF 12	
DESIGN	FED. RD. DIV. NO.: <b>6</b>	PROJECT NO.: <b>SEE TITLE SHEET</b>	
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
CHECK			149
			HIGHWAY NO.: <b>FM2514</b>
			SHEET NO.:



- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

DATE: 3/16/2017 TIME: 3:27:52 PM  
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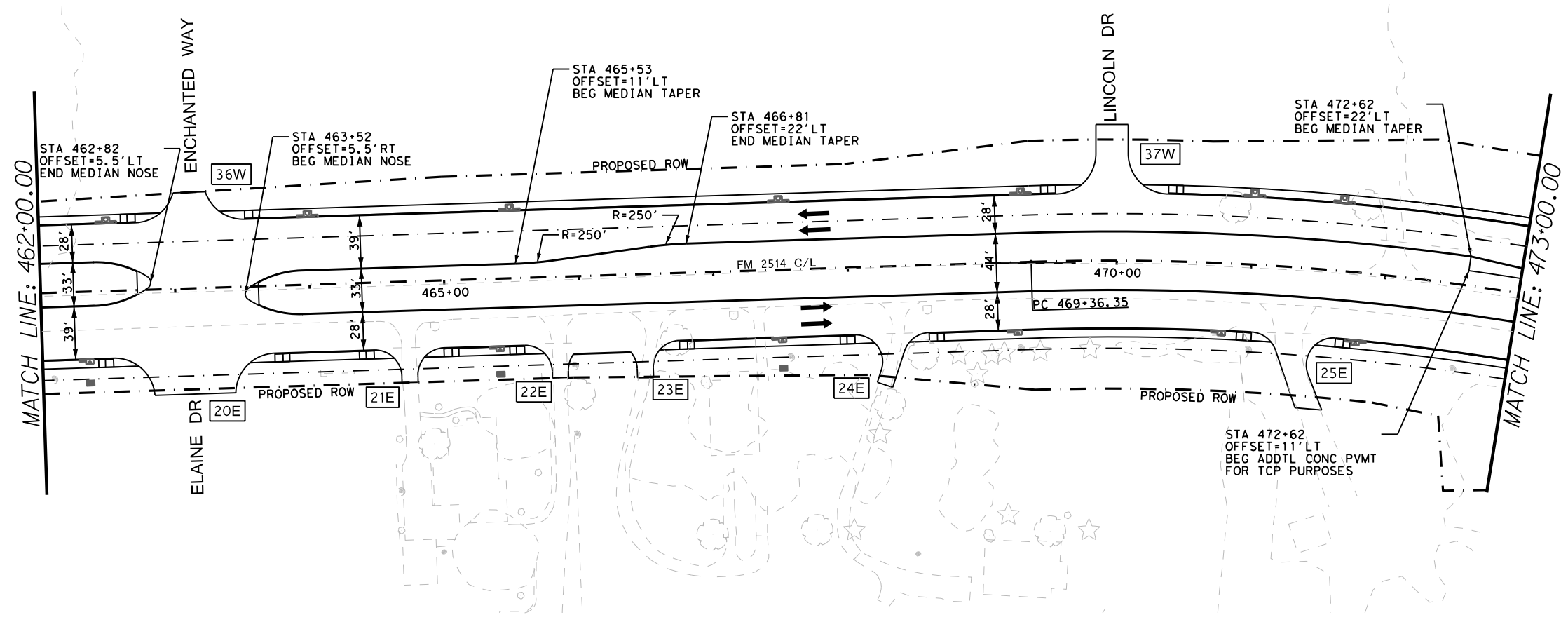
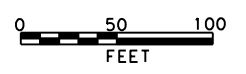
ON: 3/16/2017

IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

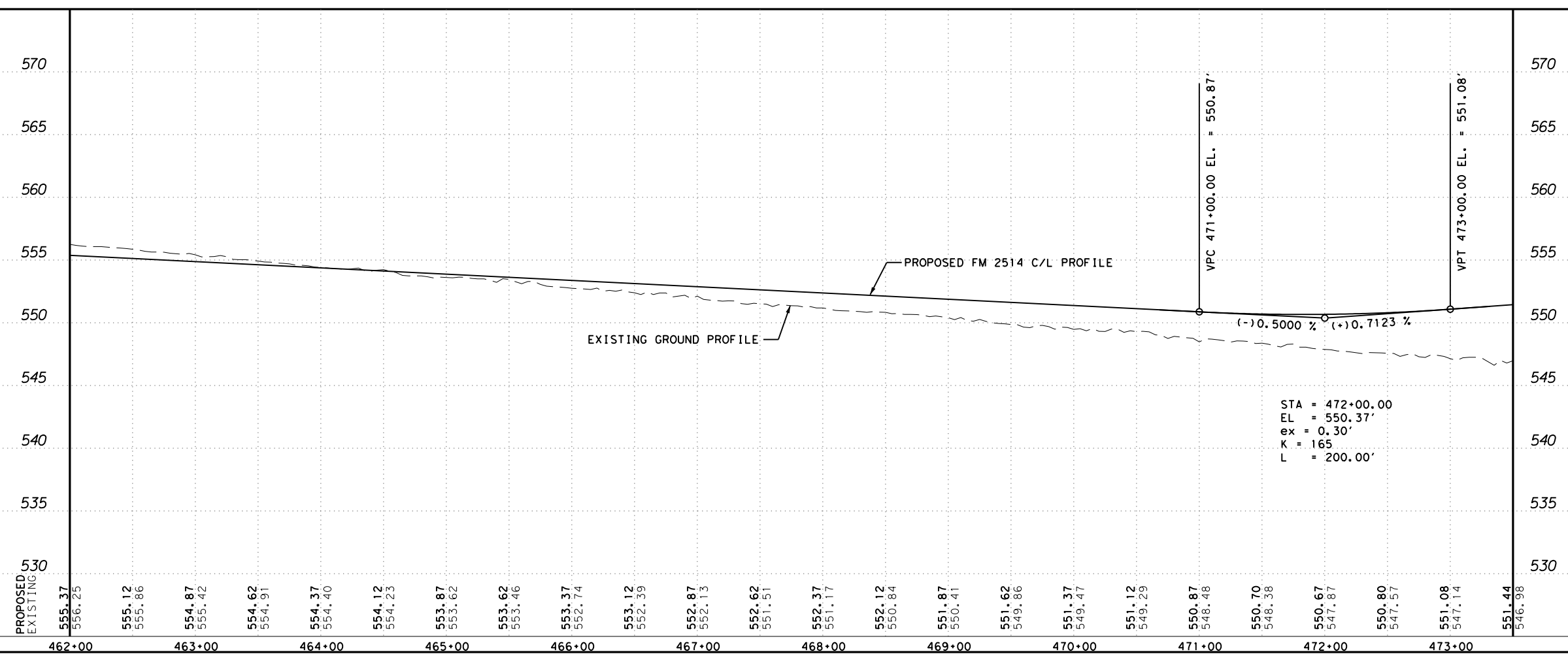


**FM 2514  
ROADWAY  
PLAN & PROFILE**

SCALE: 1"=100'		SHEET 9 OF 12	
DESIGN	FED. RD. DIV. NO.: 6	PROJECT NO. SEE TITLE SHEET	
GRAPHICS	STATE: TEXAS	DISTRICT: DAL	COUNTY: COLLIN
CHECK	CONTROL: 2679	SECTION: 02	JOB: 008
CHECK			HIGHWAY NO.: FM2514
			SHEET NO.: 150



- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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P.E. 87752

ON: 3/16/2017

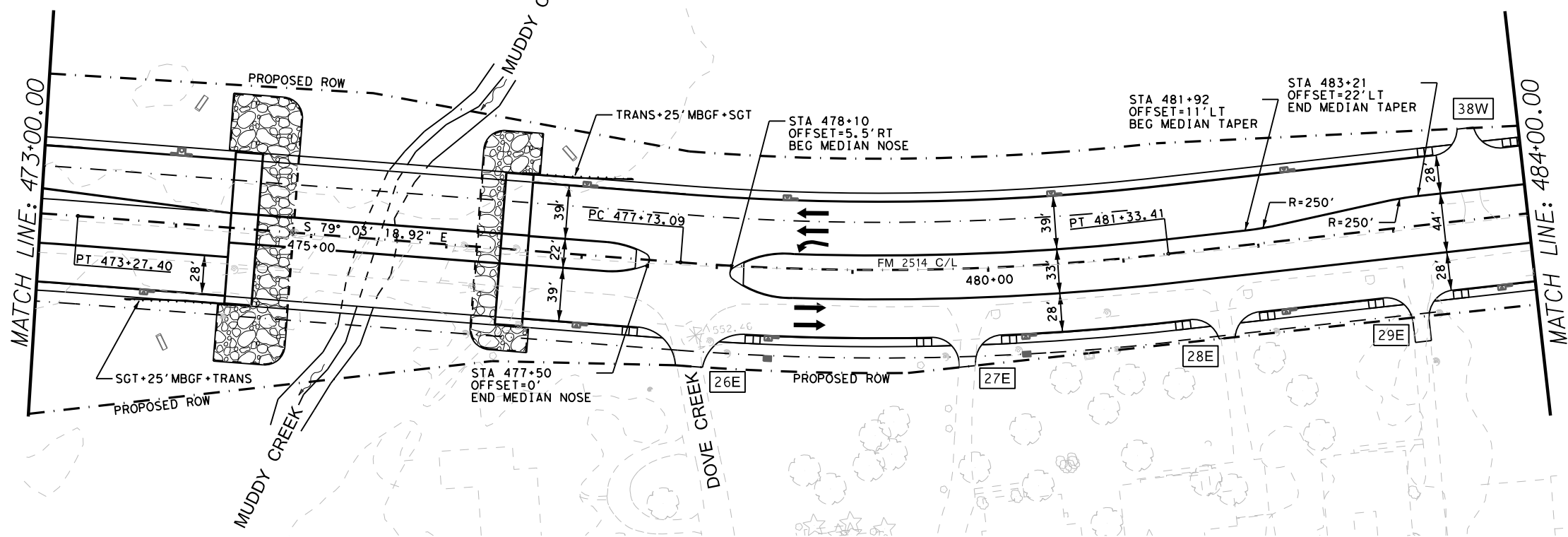
IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES



**FM 2514 ROADWAY PLAN & PROFILE**

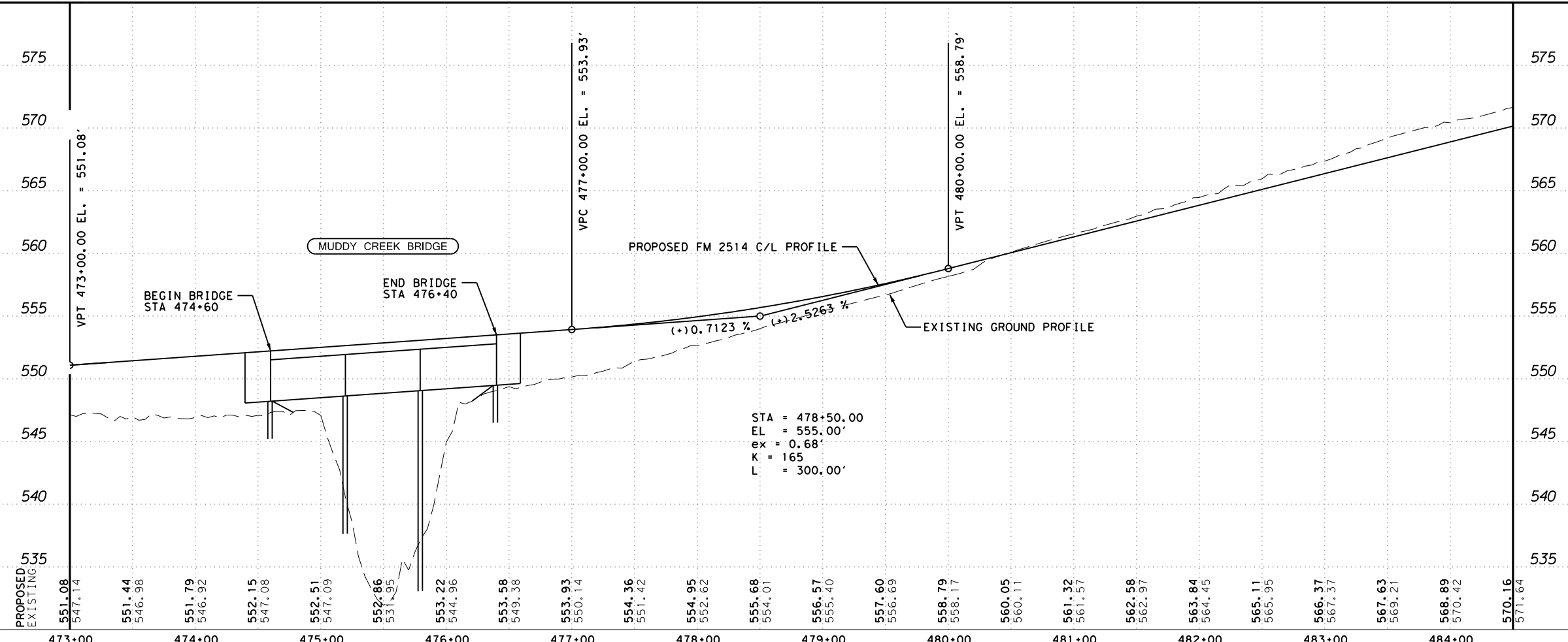
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DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET	
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN
CHECK	CONTROL	SECTION	JOB
CHECK	2679	02	008
			HIGHWAY NO. FM2514
			SHEET NO. 151

DATE: 3/16/2017 TIME: 3:28:09 PM  
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- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6. DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.

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 P.E. 87752

ON: 3/16/2017

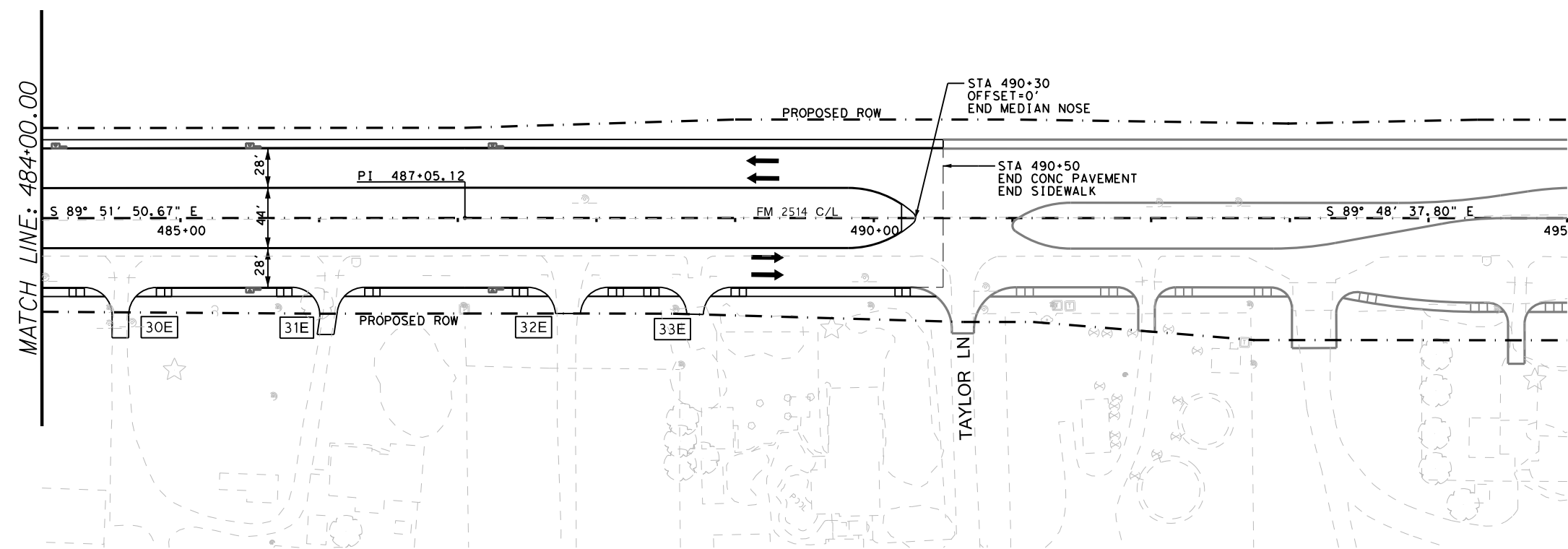
IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES



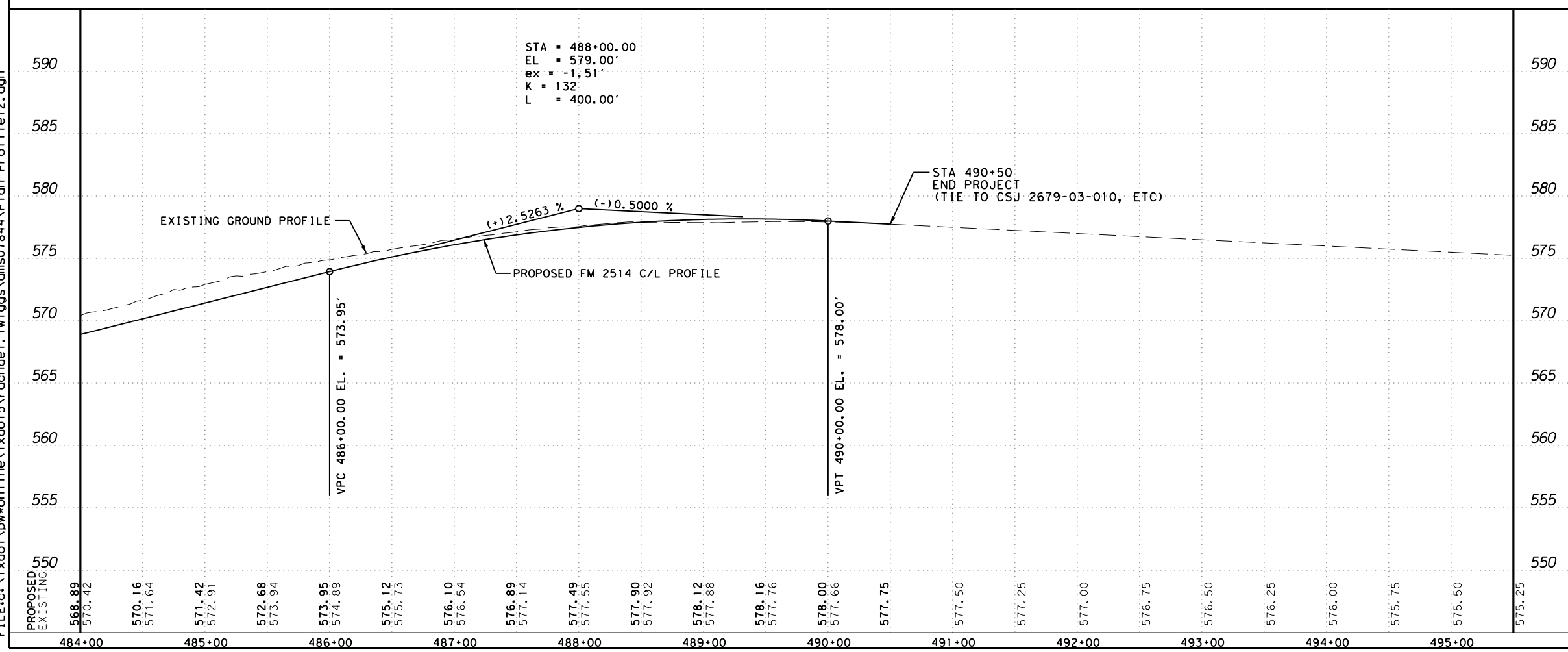
**FM 2514 ROADWAY PLAN & PROFILE**

SCALE: 1"=100'		SHEET 11 OF 12	
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.	
GRAPHICS	6	SEE TITLE SHEET	
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	DAL	COLLIN
	CONTROL	SECTION	JOB
	2679	02	008
			152
			HIGHWAY NO. FM2514
			SHEET NO.





- NOTES:
1. ALL STATIONS AND OFFSETS REFERENCE THE PROPOSED FM 2514 CONTROL LINE UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA FOR DETAILED CURVE INFORMATION.
  4. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  5. SEE MISCELLANEOUS DETAILS FOR MEDIAN NOSE DETAILS.
  6.  DRIVEWAY NO. - SEE DRIVEWAY SUMMARY FOR MORE INFORMATION.
  7. ALL PEDESTRIAN RAMPS TO BE PAID AS TYPE 10 UNLESS OTHERWISE NOTED.



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P.E. 87752

ON: 3/16/2017

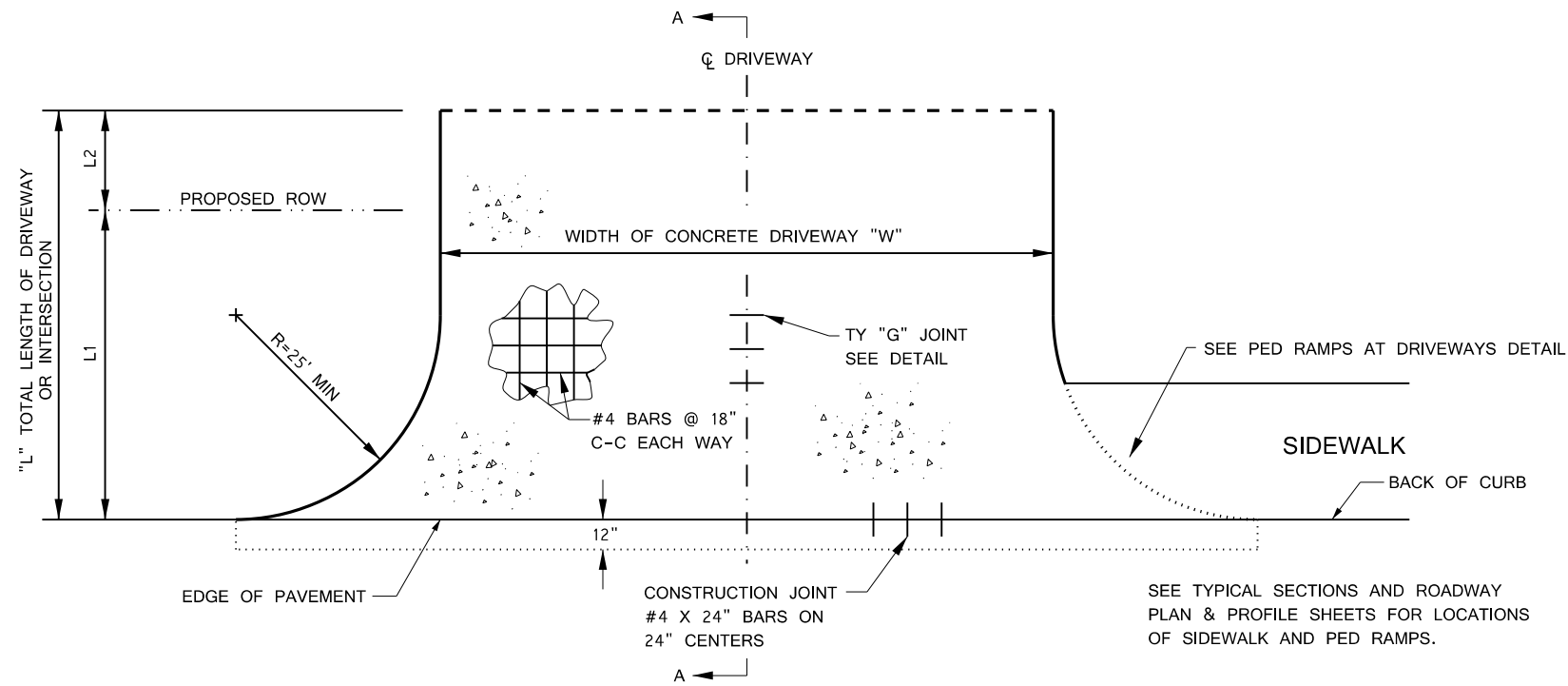
IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES



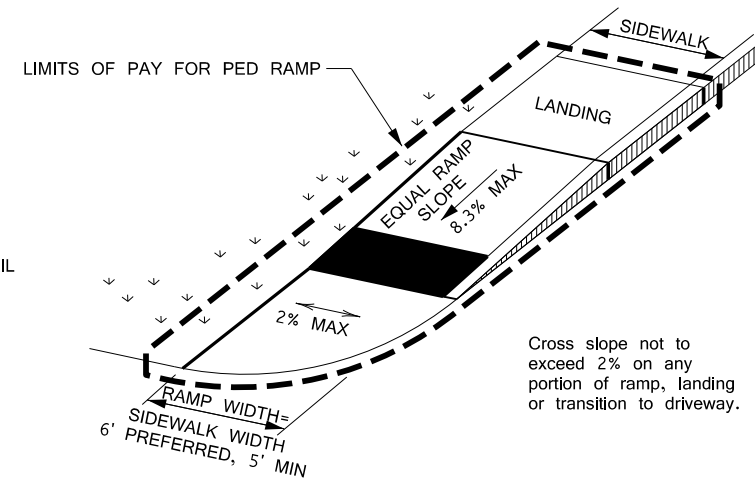
**FM 2514  
ROADWAY  
PLAN & PROFILE**

SCALE: 1" = 100'		SHEET 12 OF 12	
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.	
GRAPHICS	6	SEE TITLE SHEET	
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	DAL	COLLIN
	CONTROL	SECTION	JOB
	2679	02	008
			HIGHWAY NO. FM2514
			SHEET NO. 153

DATE: 3/16/2017 TIME: 3:28:42 PM  
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**CONCRETE DRIVEWAY DETAIL**



**PED RAMPS AT DRIVEWAYS**

PAID AS A TYPE 10 RAMP  
SEE PED STANDARDS FOR MORE INFORMATION

**NOTES:**

DRIVEWAY LOCATIONS ARE APPROXIMATE. ENGINEER WILL VERIFY LOCATION PRIOR TO CONSTRUCTION.

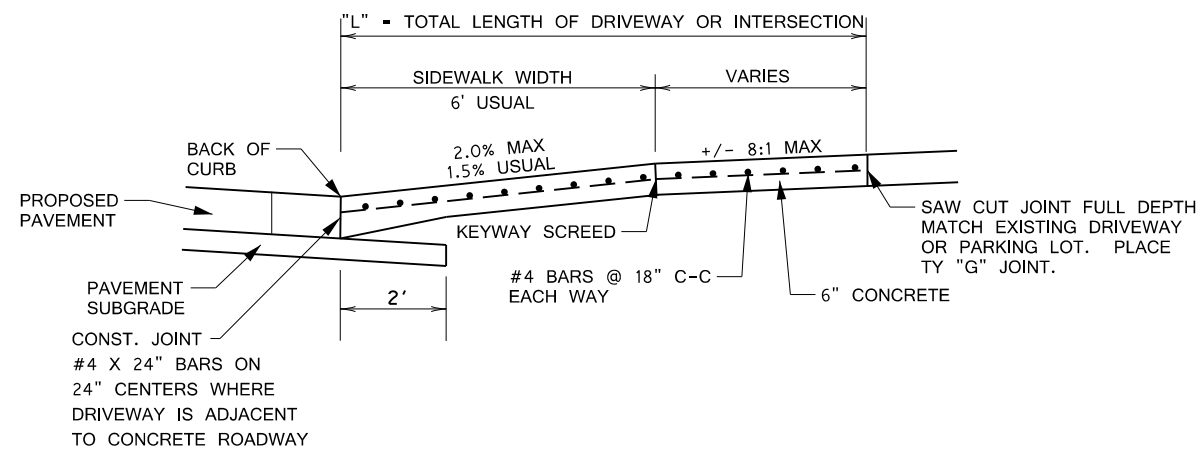
ADDITIONAL FILL MATERIAL THAT MEETS TYPE B EMBANKMENT MAY BE REQUIRED. THIS MATERIAL IS CONSIDERED SUBSIDIARY TO ITEM 530, "DRIVEWAYS".

SEE SUMMARY OF DRIVEWAY ITEMS FOR ADDITIONAL DRIVEWAY INFORMATION.

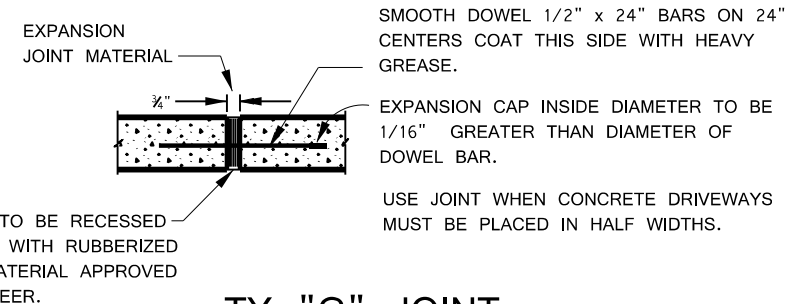
KEYWAY SCREED WILL BE SUBSIDIARY TO PLACEMENT OF CONCRETE DRIVEWAYS.

CONCRETE SHALL BE CLASS A OR P.

NOTE: LETTER OF PERMISSION NEEDS TO BE OBTAINED FROM PROPERTY OWNERS FOR THE CONSTRUCTION OF DRIVEWAYS THAT EXTEND ONTO PRIVATE PROPERTY. THE CONTRACTOR SHALL CONTACT EACH PROPERTY OWNER PRIOR TO CONSTRUCTION OF THESE DRIVEWAYS.



**SECTION A-A WITH SIDEWALK**



**TY "G" JOINT**

**PRELIMINARY**

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RACHAEL D. TWIGGS  
P.E. 119291

ON: 3/16/2017

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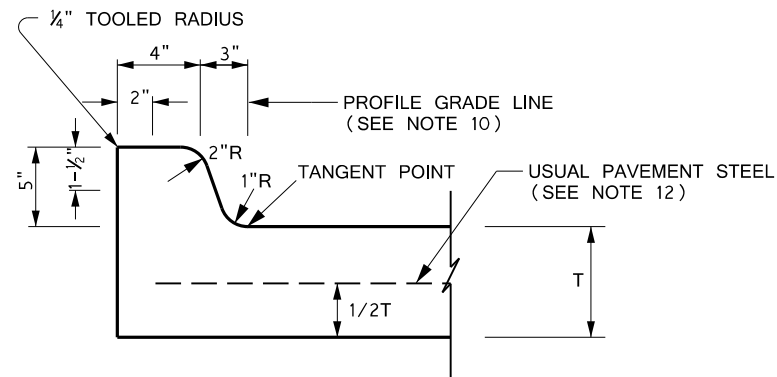


**FM 2514  
DRIVEWAY DETAILS**

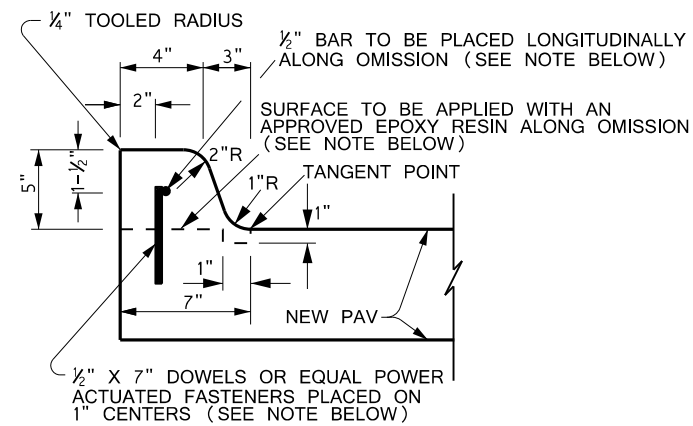
NOT TO SCALE

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 154
CHECK	CONTROL 2679	SECTION 02	JOB 008	

### TYPE II CURB (MONOLITHIC)



### TYPE II DOWEL CURB



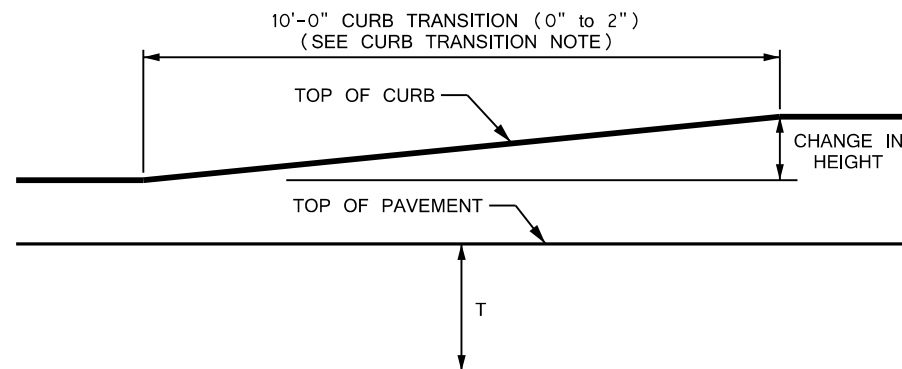
NOTE:  
IF CONTINUOUS MONOLITHIC CURB HAS TO BE OMITTED FOR ANY REASON, THE CURB SHALL BE DOWELED AS SHOWN ABOVE.

#### NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ITEM 529.
2. CONCRETE SHALL BE CLASS A.
3. WHEN REINFORCING BARS ARE USED, THEY SHALL BE NO. 4 UNLESS OTHERWISE SHOWN. THE USE OF SYNTHETIC FIBER IN LIEU OF STEEL REINFORCING IS ACCEPTABLE, PROVIDED THE FIBER PRODUCER IS ON THE DEPARTMENT PRODUCER LIST (MPL), MAINTAINED BY TXDOT, CONSTRUCTION DIVISION.
4. ROUND EXPOSED SHARP EDGES WITH A ROUNDING TOOL, TO A MINIMUM RADIUS OF 1/4 INCH.
5. ALL EXISTING CURBS AND DRIVEWAYS TO BE REMOVED SHALL BE SAWED OR REMOVED AT EXISTING JOINTS.
6. WHERE CONCRETE CURB IS PLACED ON EXISTING CONCRETE PAVEMENT, THE PAVEMENT SHALL BE DRILLED AND THE REINFORCING BARS GROUTED IN PLACE.
7. EXPANSION AND CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH PAVEMENT JOINTS IN ALL CURBS ADJACENT TO JOINTED CONCRETE PAVEMENT. WHERE PLACEMENT OF CURB IS NOT ADJACENT TO CONCRETE PAVEMENT, EXPANSION JOINTS SHALL BE PROVIDED AT STRUCTURES, CURB RETURNS AT STREETS, AND AT LOCATIONS DIRECTED BY THE ENGINEER.
8. VERTICAL AND HORIZONTAL DOWEL BARS AND TRANSVERSE REINFORCING BARS SHALL BE PLACED AT FOUR FEET C-C.
9. DIMENSION 'T' SHOWN IS THE THICKNESS OF CONCRETE PAVEMENT.
10. USUAL PROFILE GRADE LINE. REFER TO TYPICAL SECTIONS AND PLAN-PROFILE SHEETS FOR EXACT LOCATIONS.
11. ONE-HALF INCH EXPANSION JOINT MATERIAL SHALL BE PROVIDED WHERE CURB IS ADJACENT TO SIDEWALK OR RIPRAP.

#### CURB TRANSITION NOTE:

FIELD CONDITIONS MAY REQUIRE A LONGER OR SHORTER TRANSITION, AND SHALL BE SHOWN ELSEWHERE IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.



### CURB TRANSITION

Note: To be paid for as Highest Curb

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ON: 3/16/2017

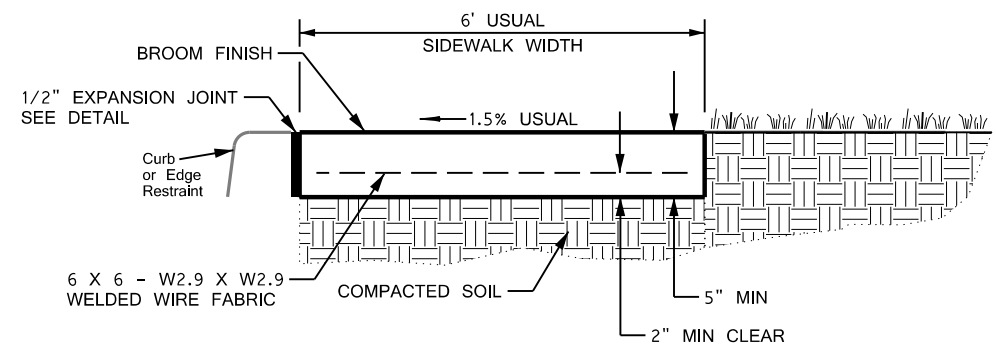
IT IS NOT FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES



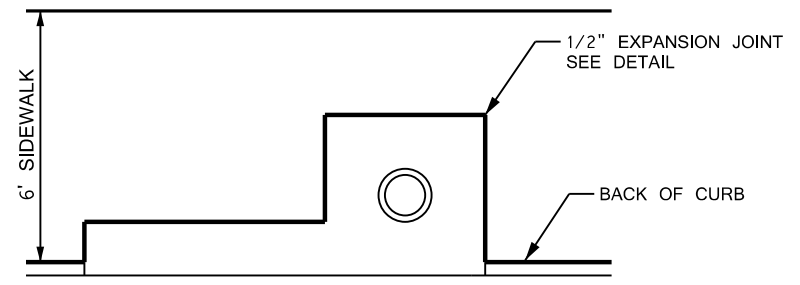
FM 2514  
CURB DETAILS  
(COLLIN COUNTY)

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	TEXAS	DAL	COLLIN	155
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/16/2017 TIME: 3:29:39 PM  
 FILE: c:\pwworking\dwg\on\ine\txdot\5\vrachae\l\fw\ggs\d0106029\2514 SIDEWALK DETAILS 1.dgn



**SIDEWALK DETAIL**  
STANDARD PLACEMENT DETAIL



**SIDEWALK AT INLET**  
PLAN VIEW

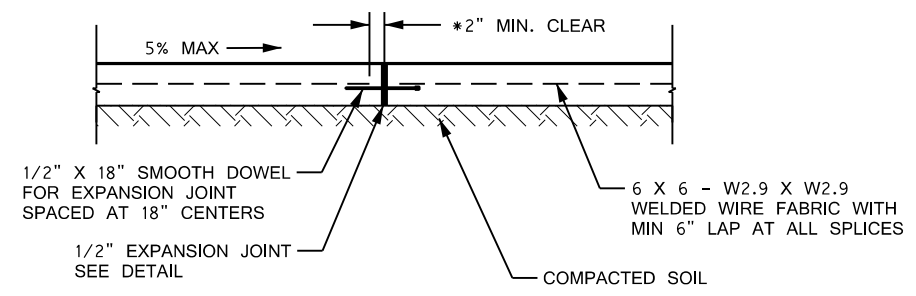
NOTES:

FOR ALL SIDEWALK INCLUDING RAMPS AND DRIVEWAY CROSSINGS:  
 Maximum Running Slope = 1:20  
 Maximum Cross Slope = 1:50

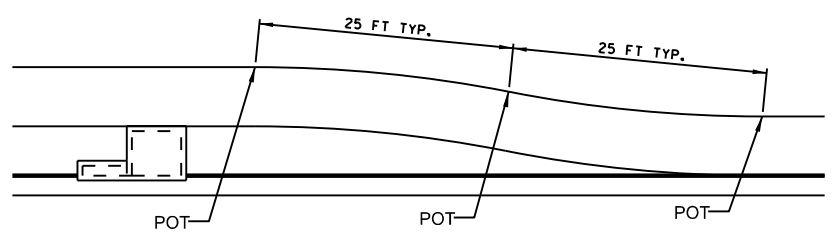
SEE PED STANDARDS FOR ADDITIONAL SPECIFICATIONS.

TAKE CARE WHEN FORMING AND DURING FORM REMOVAL TO ALIGN BACK OF CURB AND SIDEWALK EDGES STRAIGHT AND TRUE. PREVENT CHIPS OR SPALLS WHERE PAVERS WILL BUTT UP AGAINST THEM. REPAIR ANY SPALLS AND CHIPS PRIOR TO LAYING PAVERS.

\*MEASURED FROM EDGE OF EXPANSION JOINT MATERIAL TO REBAR.

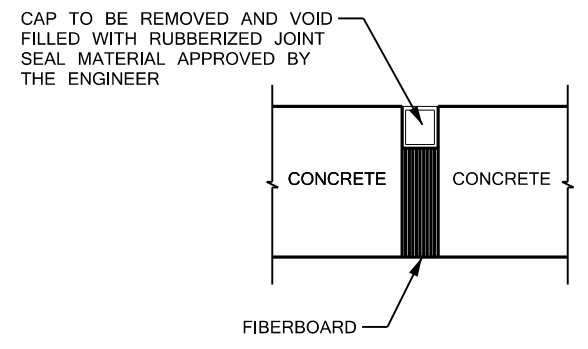


**TYPICAL EXPANSION JOINT IN SIDEWALK**  
EXPANSION JOINT SHALL BE PLACED EVERY 40' (MAX)



**SIDEWALK LAYOUT DETAIL**  
PLAN VIEW

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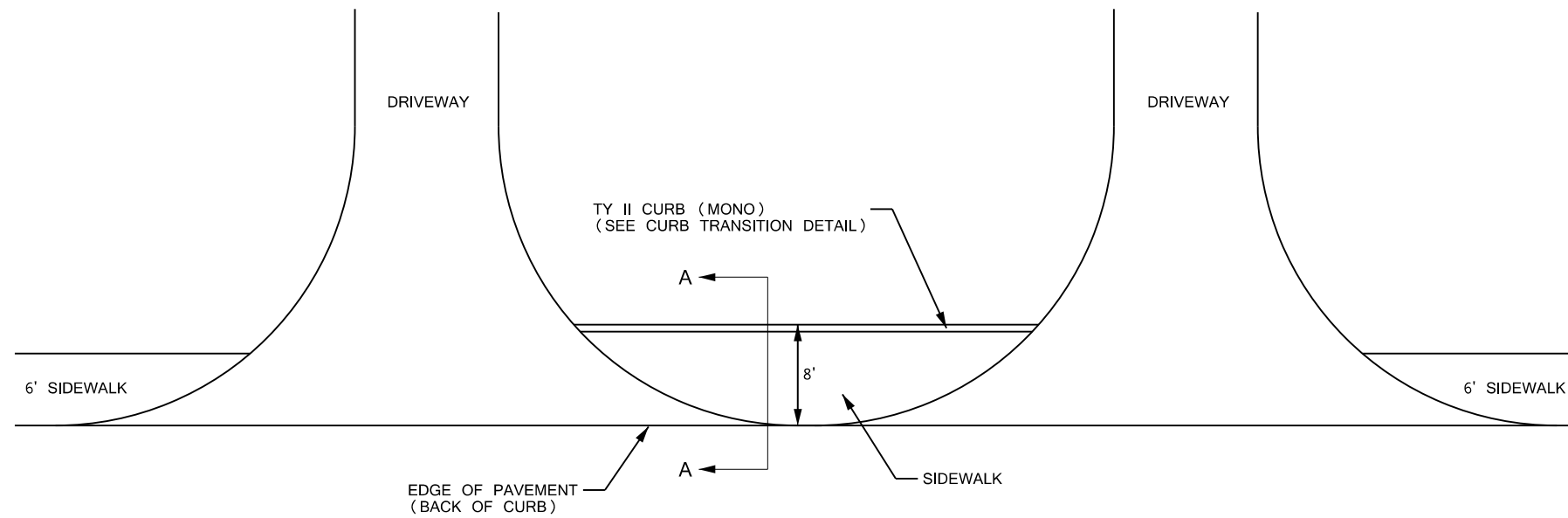
**EXPANSION JOINT DETAIL**

**Texas Department of Transportation**  
 © 2017

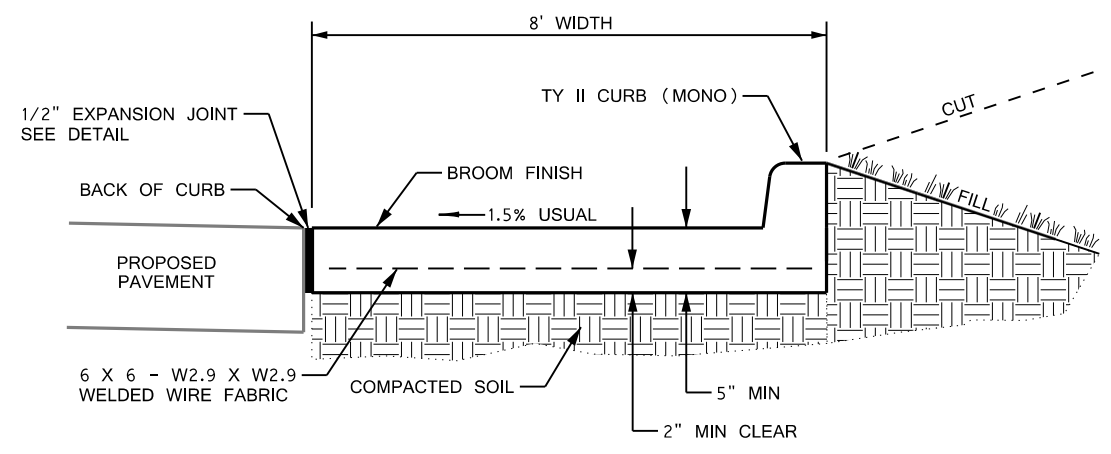
**FM 2514**  
**SIDEWALK DETAILS**

NOT TO SCALE SHEET 1 OF 2

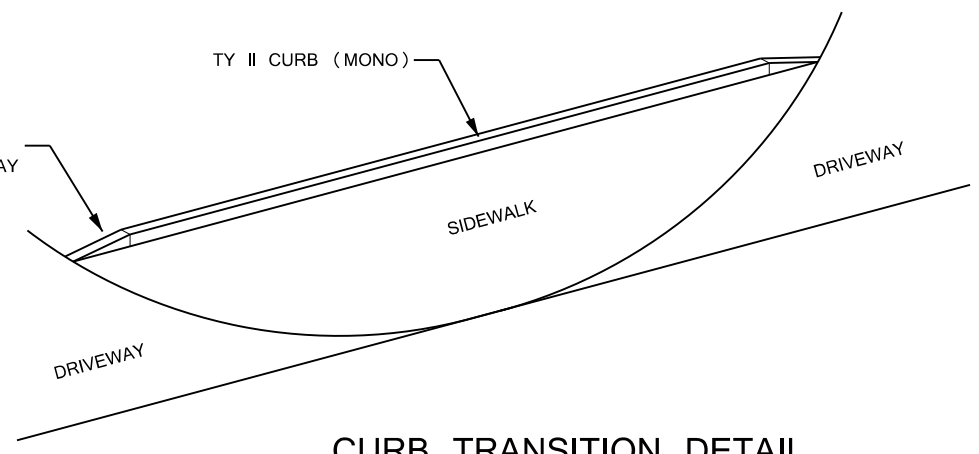
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CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	156
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	



**SIDEWALK DETAIL**  
for limited area between driveways



**SECTION A-A**



**CURB TRANSITION DETAIL**

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P.E. 87752

ON: 3/16/2017

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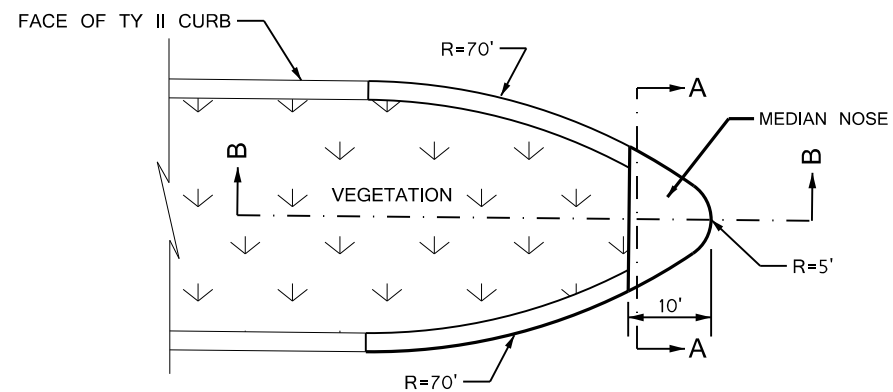
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**FM 2514**  
**SIDEWALK DETAILS**

NOT TO SCALE				SHEET 2 OF 2
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 157
CHECK	CONTROL 2679	SECTION 02	JOB 008	

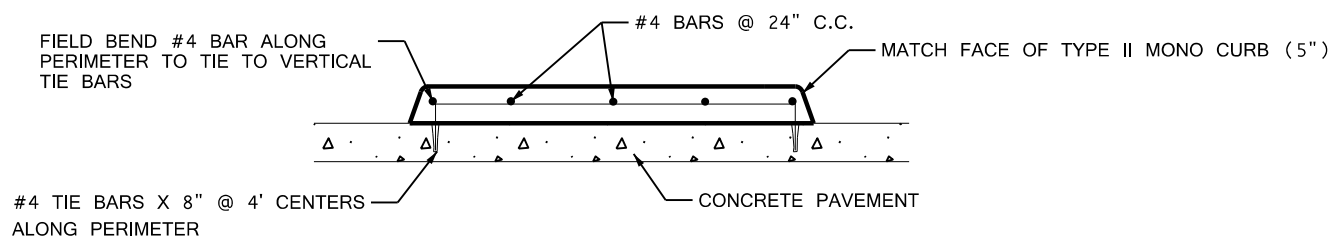
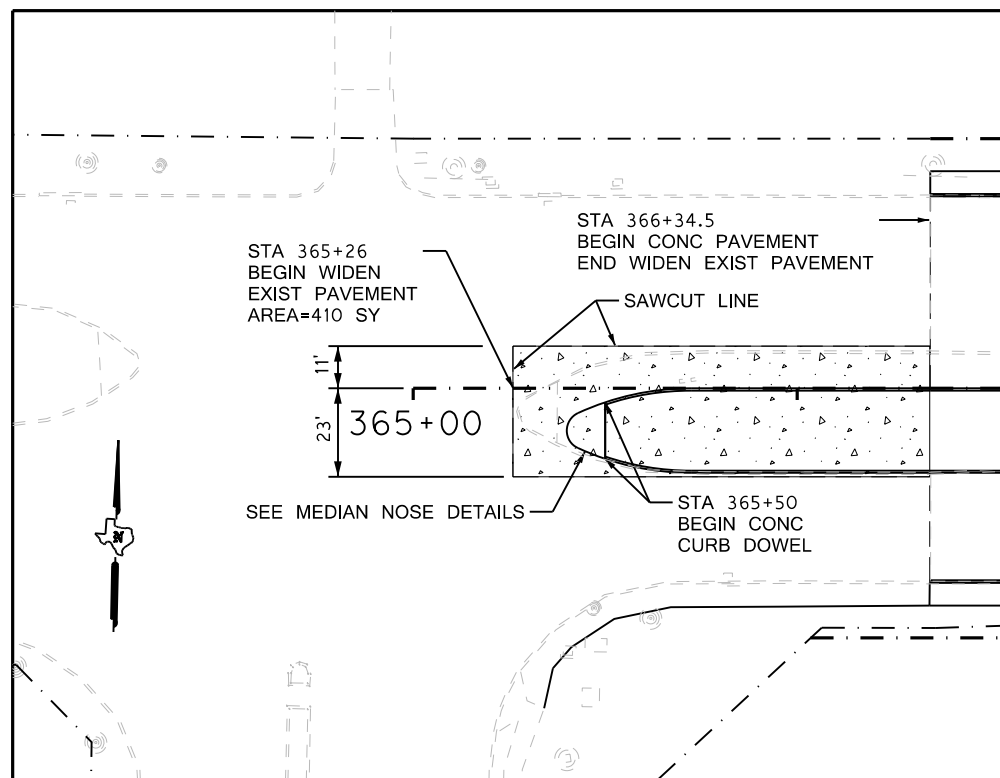
WIDEN EXISTING PAVEMENT  
BEGIN PROJECT LIMITS



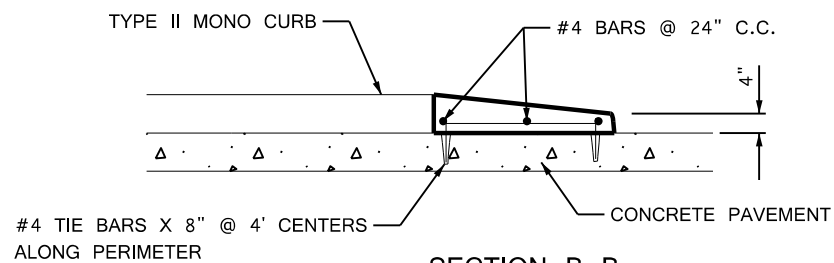
**MEDIAN NOSE DETAIL**

NOTES:

1. REINFORCING BARS SHALL HAVE 2" MINIMUM CLEAR COVER TO EXTERNAL FACE OF NOSE.
2. MEDIAN NOSE PAID UNDER ITEM 536 "CONCRETE MEDIANS AND DIRECTIONAL ISLANDS".



**SECTION A-A**  
(ON CONCRETE PAVEMENT)



**SECTION B-B**  
(ON CONCRETE PAVEMENT)

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ON: 3/16/2017

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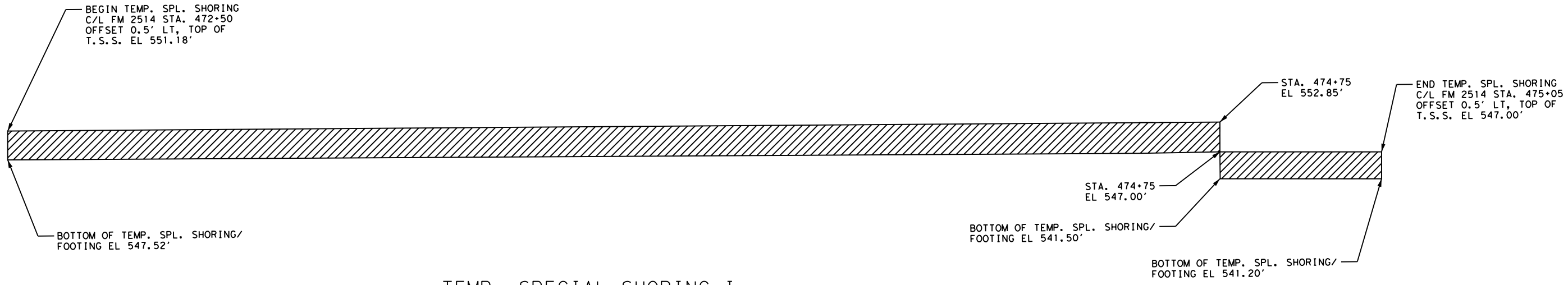


FM 2514  
MISCELLANEOUS DETAILS

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 158
CHECK	CONTROL 2679	SECTION 02	JOB 008	

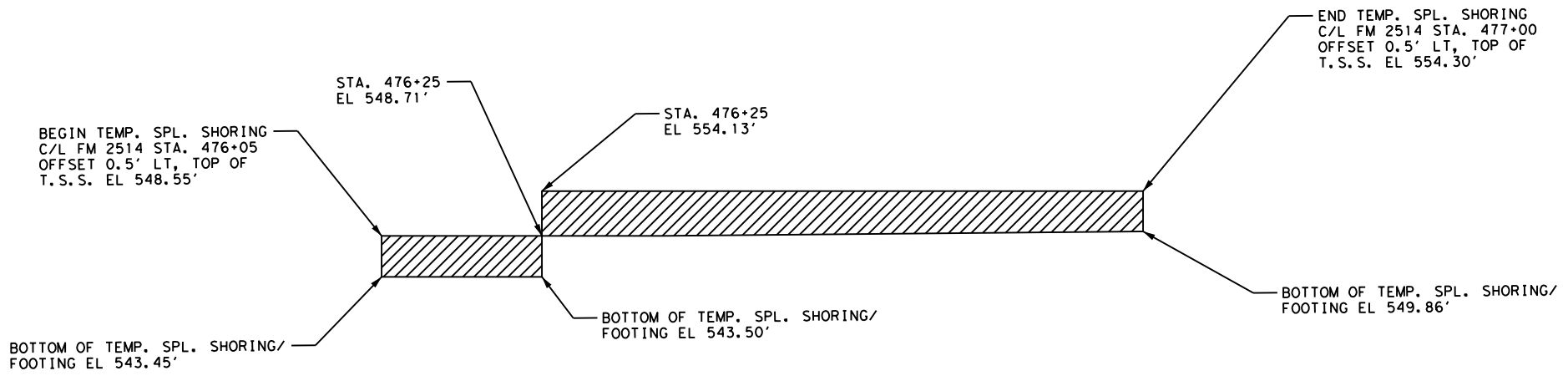
**ESTIMATED QUANTITIES**

DESCRIPTION	UNIT	QUANTITY
TEMP. SPL. SHORING I	SF	1397
TEMP. SPL. SHORING II	SF	504
TOTAL:		1901



**TEMP. SPECIAL SHORING I**

NTS



**TEMP. SPECIAL SHORING II**

NTS

**PRELIMINARY**  
 FOR REVIEW ONLY  
 Not intended  
 for construction, bidding or  
 permit purposes.  
 Engineer: Don Vo  
 P.E. No.: 95640  
 Date: 8/10/16



**FM 2514  
 TEMPORARY SPECIAL  
 SHORING LAYOUT**

NOT TO SCALE

DESIGN	FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM 2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	159
CHECK	CONTROL	SECTION	JOB	
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DATE: 3/17/2017 TIME: 2:49:16 PM FILE: c:\txdot\pwworking\txdot5\rahae\l.twiggs\0113222\RW-A-Alignment.dgn

<\* DESCRIBE CHAIN RW-A

Chain RW-A contains:  
RWA111 RWA112

Beginning chain RW-A description

```

=====
Point RWA111      X   2,554,368.7612 Y   7,073,122.1474 Sta   9+00.00
Course from RWA111 to RWA112 N 89° 02' 11.20" E Dist 600.0000
Point RWA112      X   2,554,968.6763 Y   7,073,132.2373 Sta  15+00.00
=====
Ending chain RW-A description

```

<\* DESCRIBE CHAIN RW-B

Chain RW-B contains:  
RTROW18 RTROW19 RTROW20 RTROW21

Beginning chain RW-B description  
Feature: Geom\_Secondary

```

=====
Point RTROW18     N   7,073,277.0674 E   2,556,564.9356 Sta  10+00.00
Course from RTROW18 to RTROW19 N 89° 12' 50" E Dist 27.2663
Point RTROW19     N   7,073,277.4415 E   2,556,592.1993 Sta  10+27.27
Course from RTROW19 to RTROW20 N 44° 12' 50" E Dist 28.2843
Point RTROW20     N   7,073,297.7140 E   2,556,611.9230 Sta  10+55.55
Course from RTROW20 to RTROW21 N 89° 12' 50" E Dist 10.5999
Point RTROW21     N   7,073,297.8595 E   2,556,622.5220 Sta  10+66.15
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Ending chain RW-B description

```

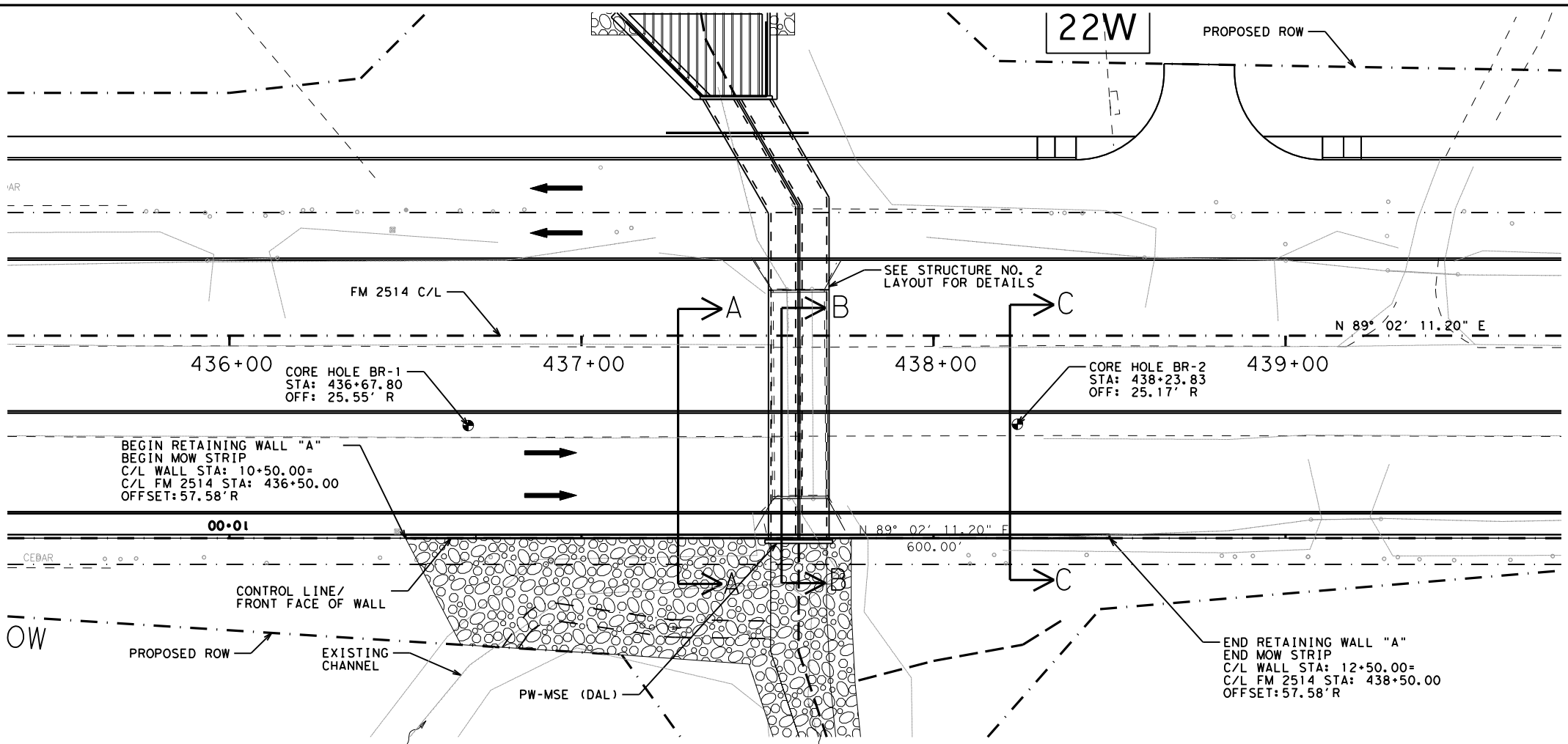


**RETAINING WALLS  
HORIZONTAL ALIGNMENT DATA**

SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	185
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	





NOTES:

SEE RETAINING WALL DETAILS FOR SECTIONS A-A, B-B & C-C.

CONTRACTOR SHALL ENSURE PROPER DRAINAGE AT ALL AREAS AROUND THE RETAINING WALLS.

SEE CORE BORING LOG SHEETS FOR CORE INFORMATION.

USE TYPE DS BACKFILL

ESTIMATED QUANTITIES			
ITEM 423	RETAINING WALL (MSE)	SF	1,783
ITEM 432	RIPRAP (MOW STRIP) (4 IN)	CY	5
ITEM 740	ANTI-GRAFFITI COATING (PERMANENT-TY III)	SF	1,234
ITEM 450	RAIL (TY C221)	LF	200

**PRELIMINARY**

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AZEEM HUSAIN  
P.E. 90178

ON: 3/17/2017

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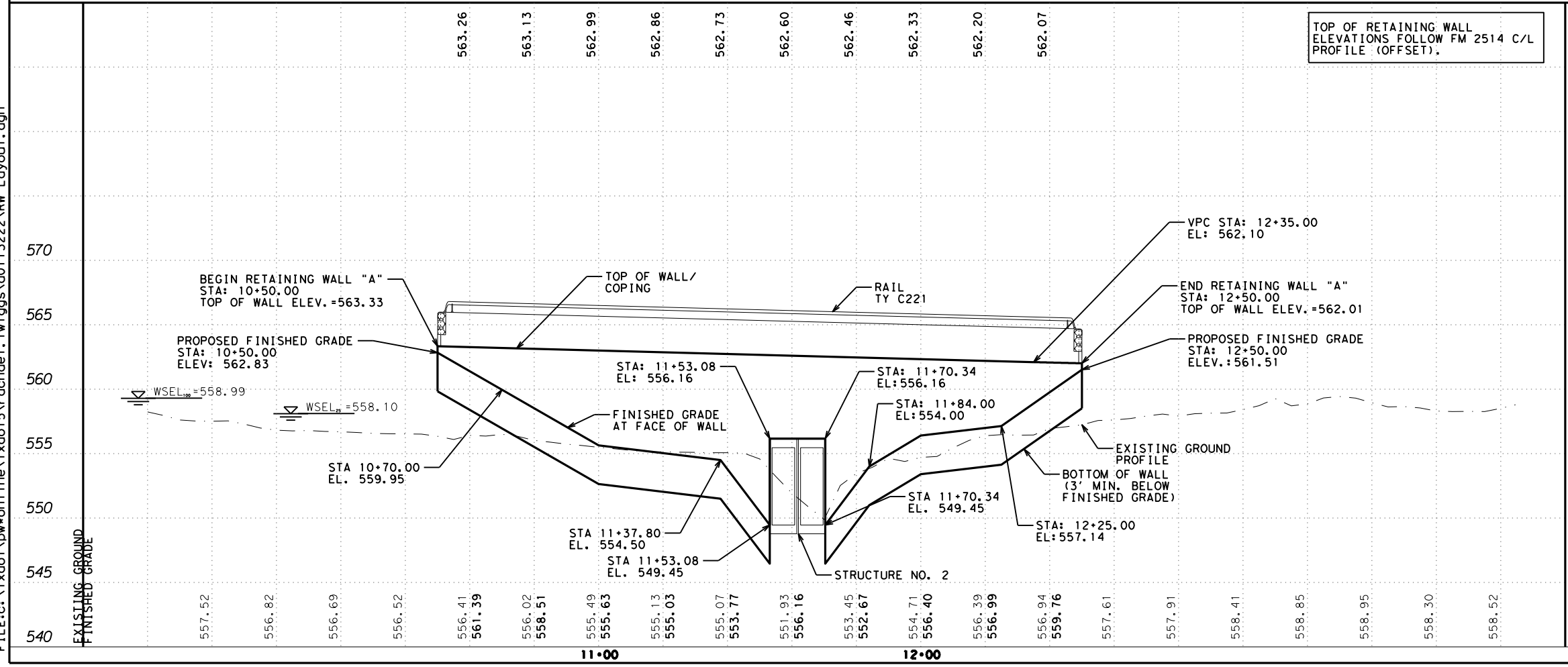


**FM 2514  
RETAINING WALL A  
LAYOUT**

SCALE:  
H: 1"=40'  
V: 1"=10'

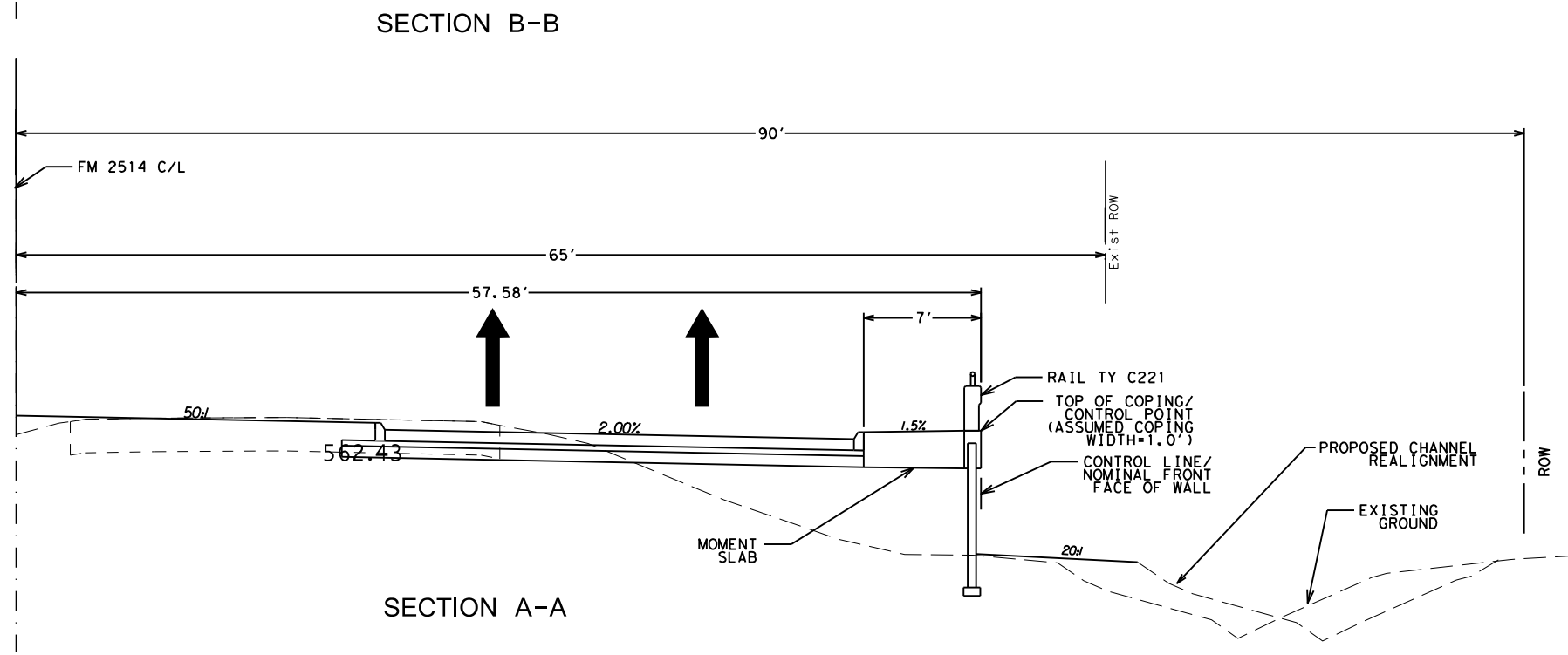
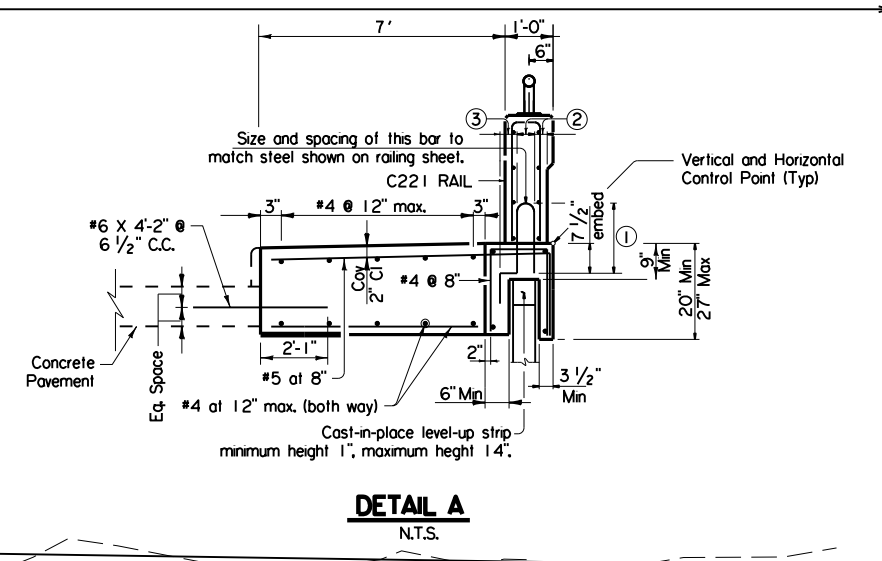
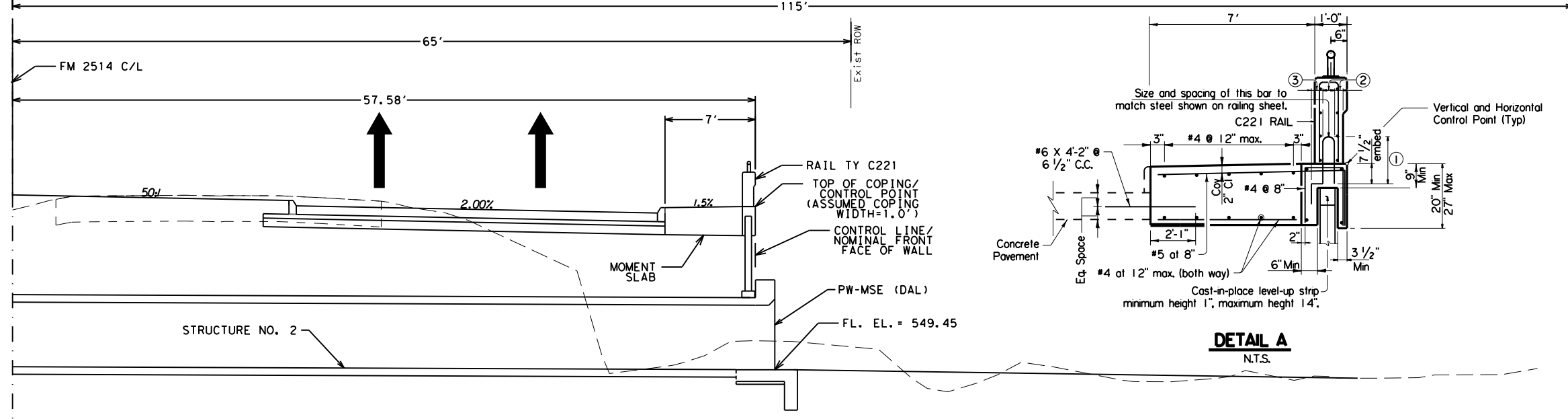
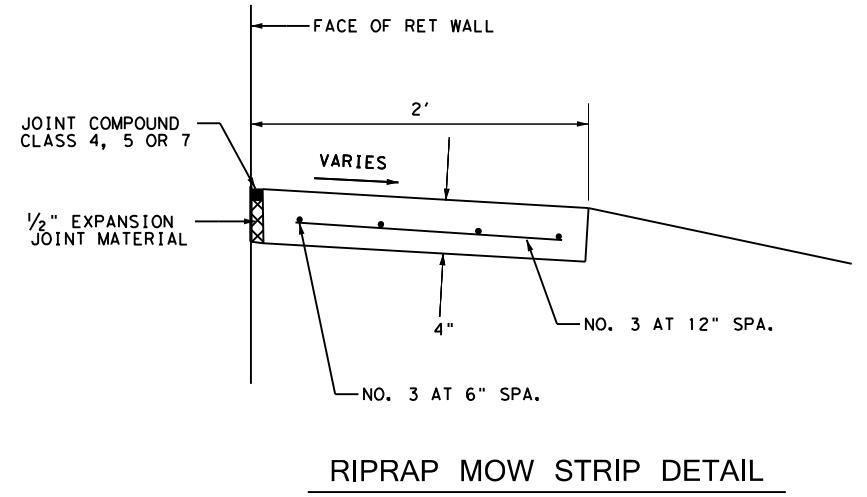
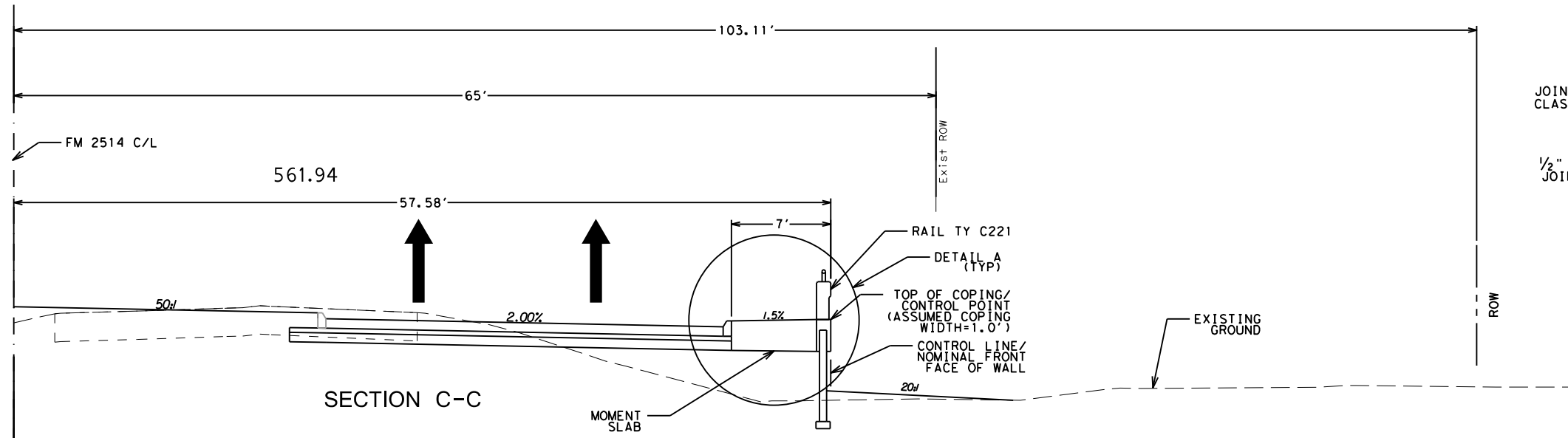
SHEET 1 OF 3

DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 186
CHECK	CONTROL 2679	SECTION 02	JOB 008	



DATE: 3/17/2017 TIME: 2:49:50 PM  
FILE: c:\pdx\dot\dw\on\line\txdot\5\vrachae\l\fw\ggs\d0113222\RW Layout.dgn

DATE: 3/17/2017 TIME: 2:50:12 PM  
 FILE: c:\pwworking\dwg\onl\ine\txdot\5\vrachae\l\fw\ggs\d0113222\RWTyp.dgn



NOTE: MOMENT SLAB IS SUBSIDIARY TO RETAINING WALL

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 P.E. 90178  
 ON: 3/17/2017  
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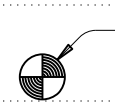


**RETAINING WALL A  
 MISCELLANEOUS DETAILS**

N. T. S. SHEET 2 OF 3

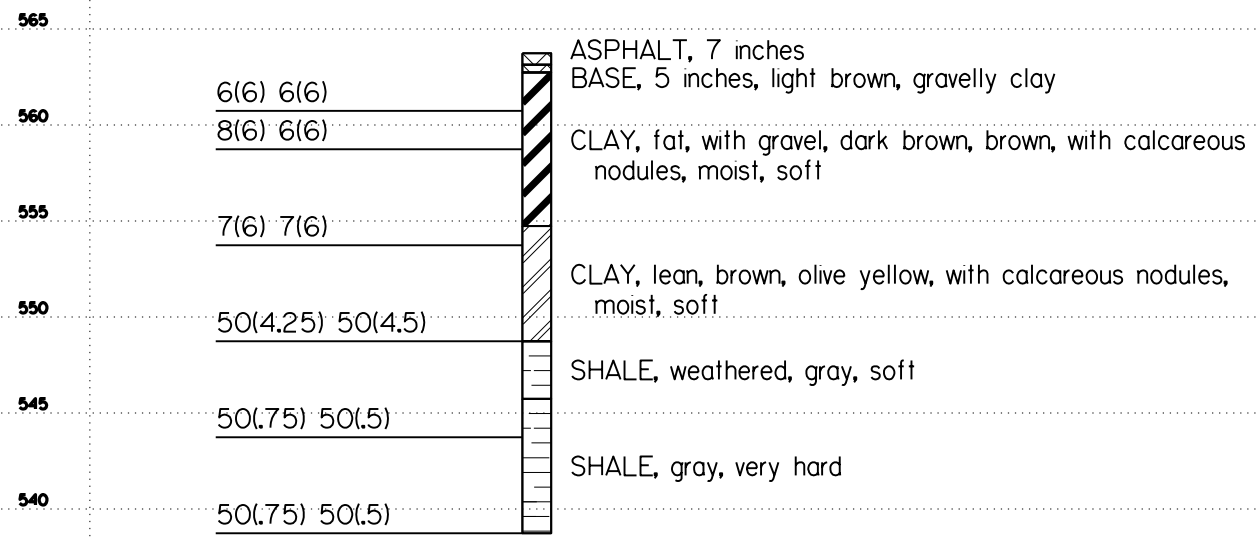
DESIGN	FED. RD. DIV. NO. 6	PROJECT NO. SEE TITLE SHEET		HIGHWAY NO. FM2514
GRAPHICS	STATE TEXAS	DISTRICT DAL	COUNTY COLLIN	SHEET NO. 187
CHECK	CONTROL 2679	SECTION 02	JOB 008	

DATE: 3/17/2017 TIME: 2:50:21 PM FILE: c:\txdot\pw\onl\ne\txdot5\rachoe.l\twigg\0113222\FM 2514 CORE BORING-RW.dgn



Test Hole No. BR-1

Test Hole No. BR-1  
EI 563.74

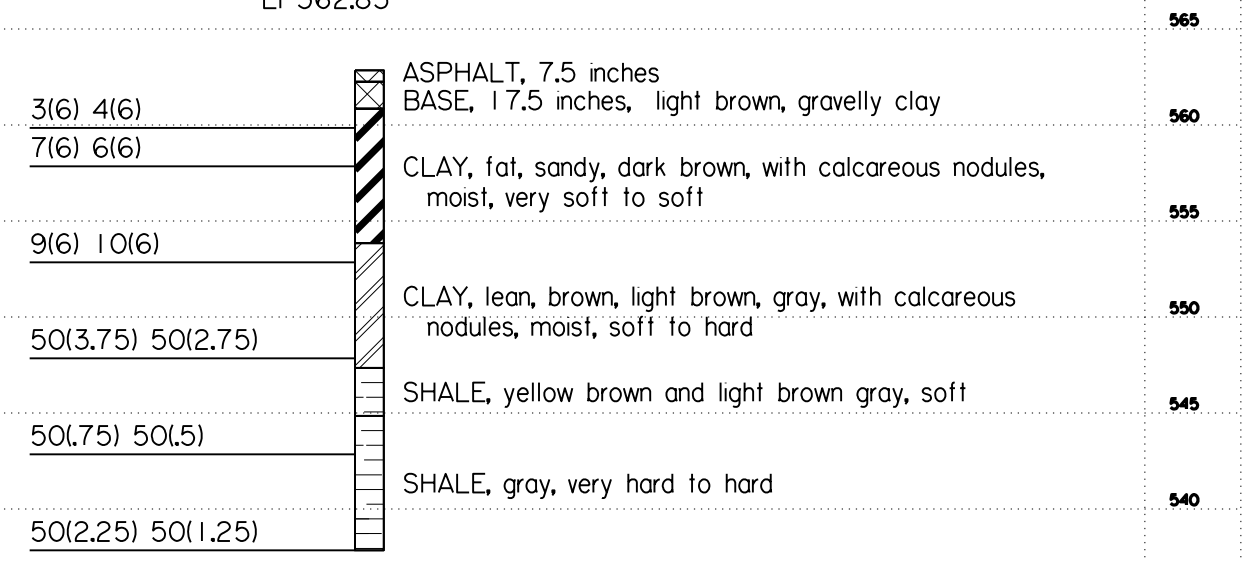


B/H = 538.74



Test Hole No. BR-2

Test Hole No. BR-2  
EI 562.85



B/H = 537.85

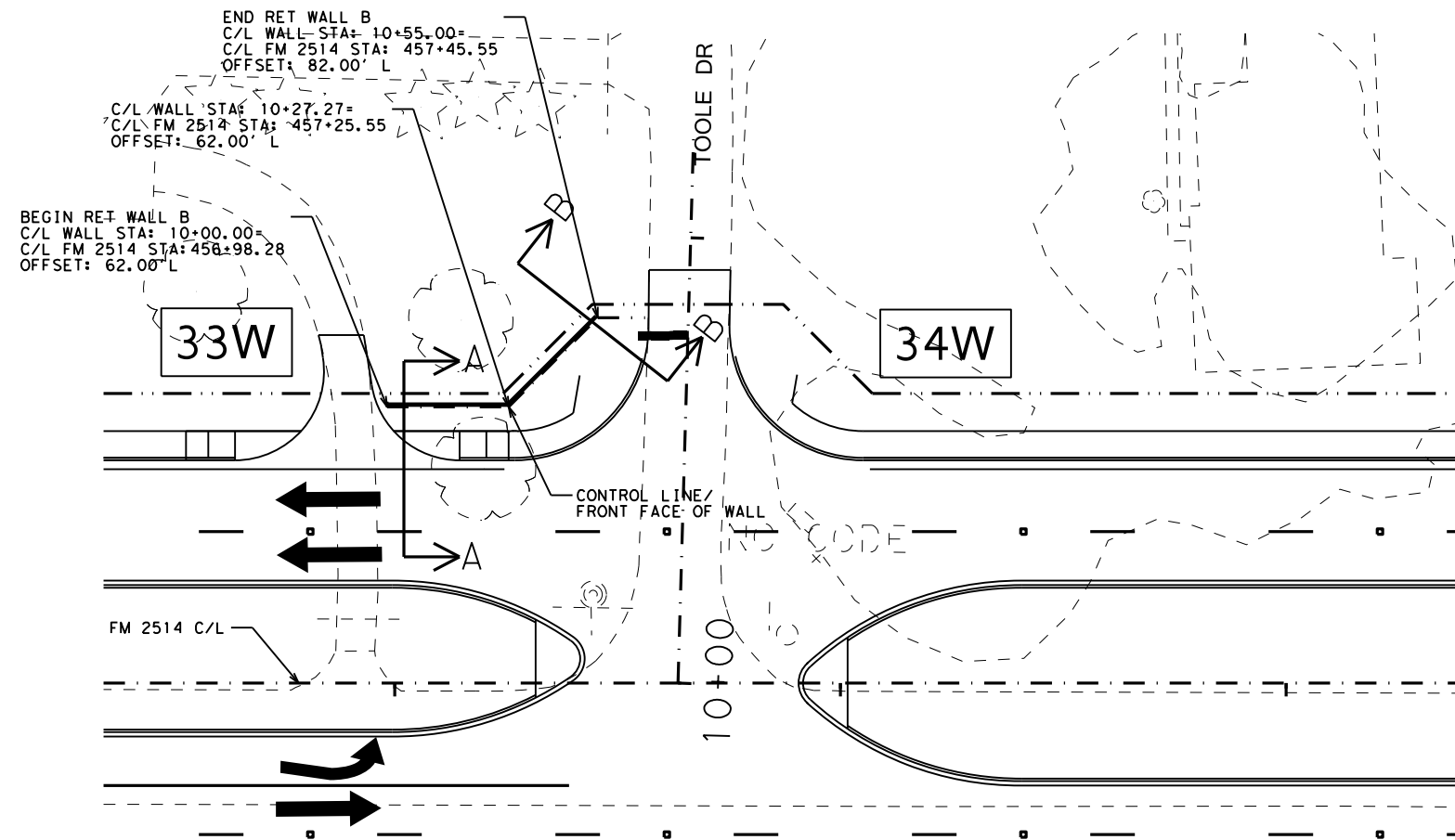
0101010

Dallas District Bridge

### FM 2514 RETAINING WALL A CORE BORING LOG SHEET

SHEET 3 OF 3

FILE: SEE PATH	DN: HH	CK: MPB	DW: HH	CK: MPB
©TXDOT 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS	2679	02	008	FM 2514
DIST	COUNTY		SHEET NO.	
DAL	COLL IN		188	



NOTES:

SEE RETAINING WALL DETAILS FOR SECTIONS  
A-A, B-B & C-C.  
CONTRACTOR SHALL ENSURE PROPER DRAINAGE  
AT ALL AREAS AROUND THE RETAINING WALLS.

ESTIMATED QUANTITIES			
ITEM 423	RET. WALL (CONC. BLOCK)	SF	163.0

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ON: 3/17/2017

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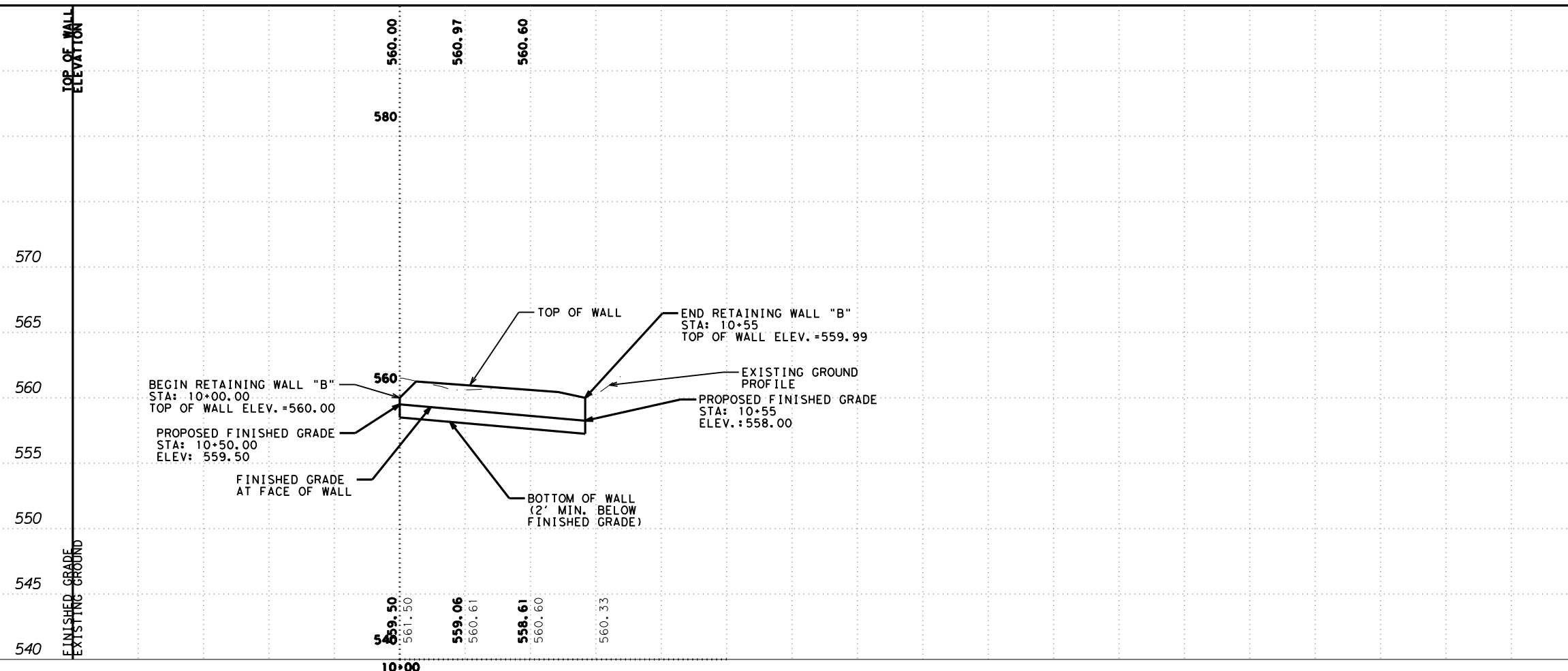
FM 2514  
RETAINING WALL B  
LAYOUT

SCALE:  
H: 1"=40'  
V: 1"=10'

SHEET 1 OF 2

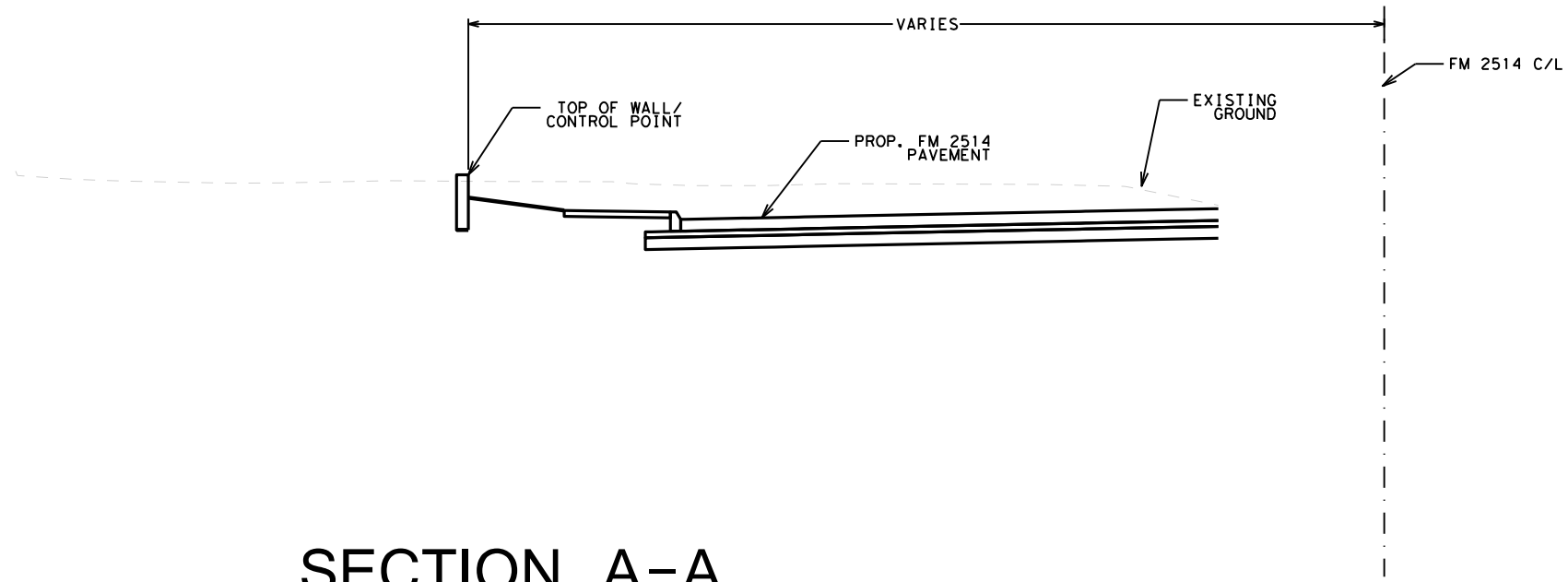
DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	189
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	

DATE: 3/17/2017 TIME: 2:50:44 PM  
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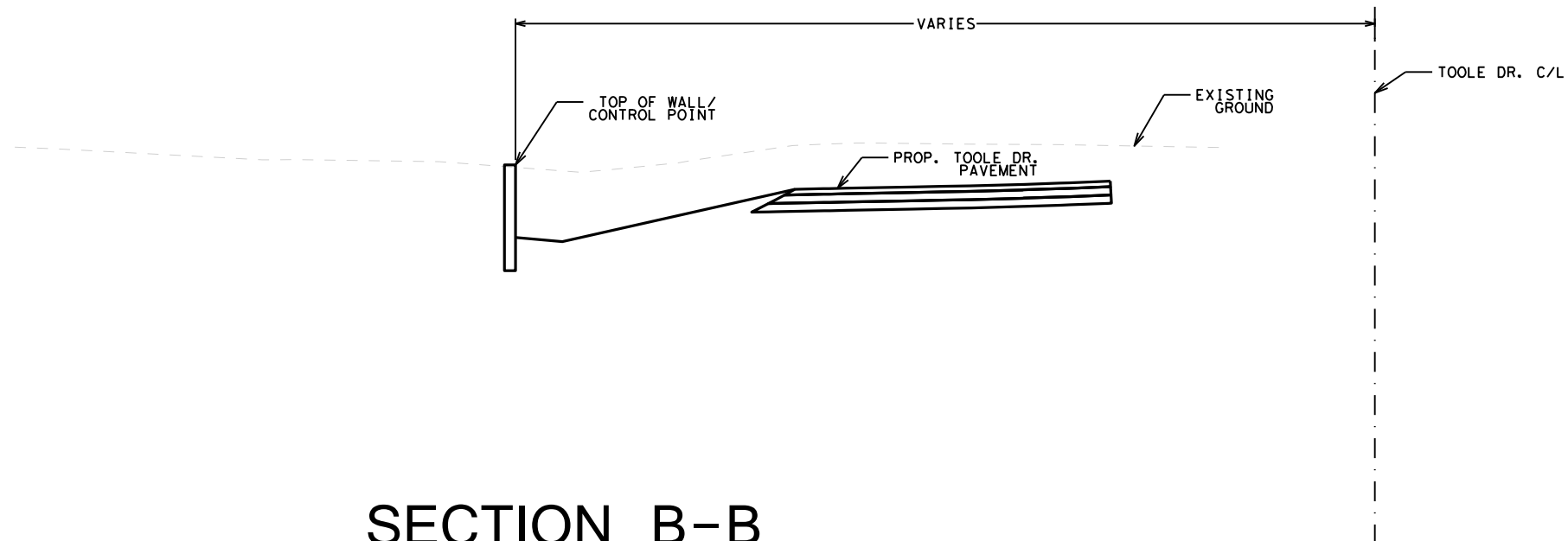


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### SECTION A-A



### SECTION B-B



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### RETAINING WALL B MISCELLANEOUS DETAILS

N. T. S. SHEET 2 OF 2

DESIGN	FED. RD. DIV. NO.:	PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	SEE TITLE SHEET		FM2514
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	DAL	COLLIN	190
CHECK	CONTROL	SECTION	JOB	
	2679	02	008	