

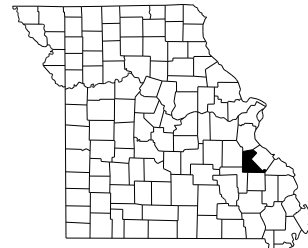
**DESIGN DESIGNATION**

A.A.D.T. - 2021 = 14,186  
 A.A.D.T. - 2044 = 15,605  
 D.H.V. = 10.2%  
 T = 2.8%  
 V = 35 M.P.H.  
 D = 51%

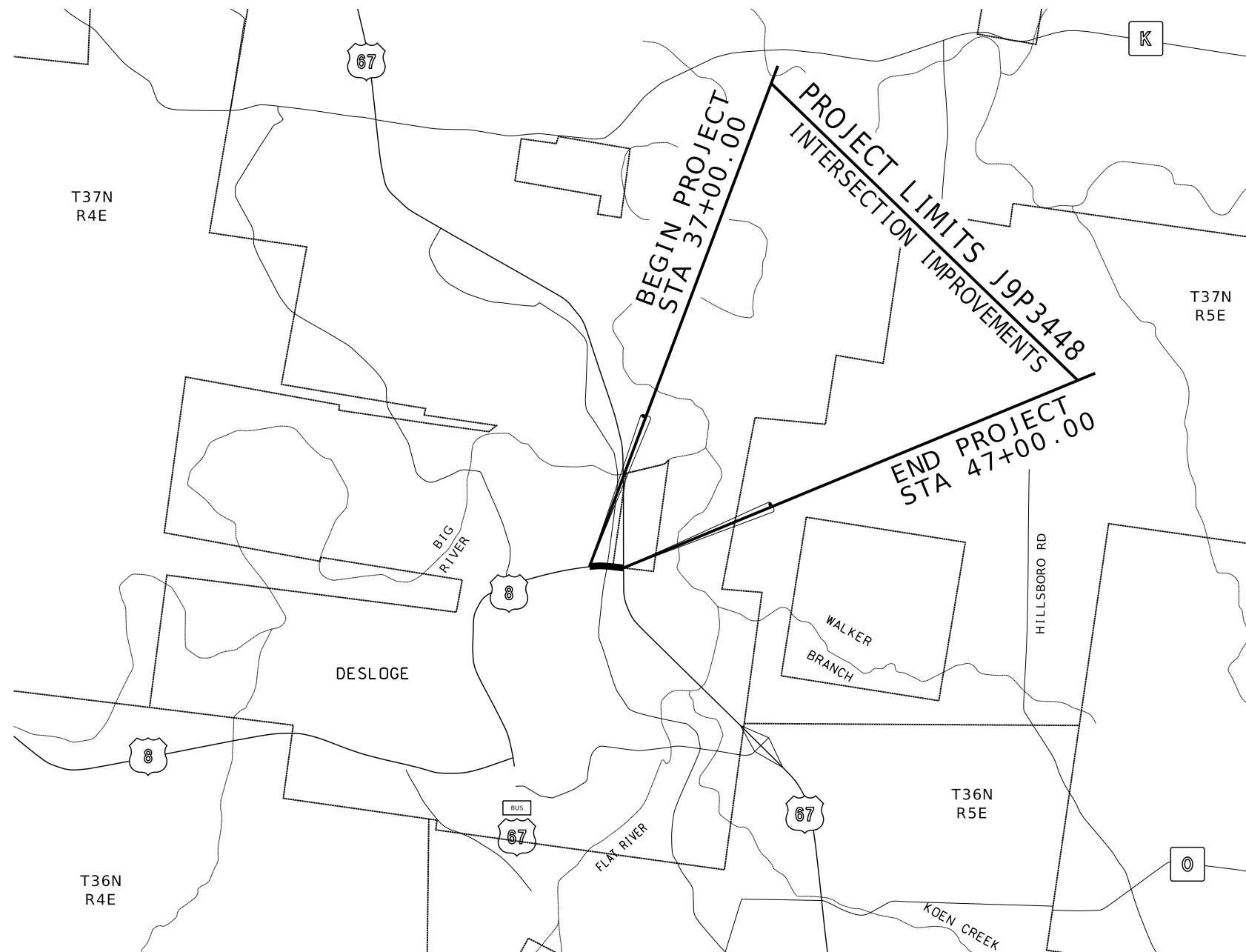
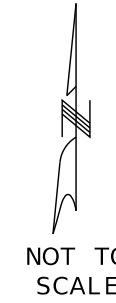
FUNCTIONAL CLASSIFICATION-PRINCIPAL ARTERIAL

NORMAL RIGHT OF WAY AND  
 TEMPORARY EASEMENT TO BE  
 ACQUIRED

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION**  
**PLANS FOR PROPOSED**  
**STATE HIGHWAY**  
**ROUTE 8**  
**ST. FRANCOIS COUNTY**  
**T37N, R5E, SEC. 29,**  
**USS 80, USS 3092**



KEY MAP  
 LOCATION OF ST FRANCOIS COUNTY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

**CONVENTIONAL SYMBOLS**  
 (USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		
REMOVE AND REPLACE	(R&R)	(R&R)
REMOVE AND RELOCATE	(R&RELOC.)	(R&RELOC.)
USE IN PLACE	(UIP)	(UIP)
ADJUST TO GRADE	(ATG)	(ATG)
ADJUST TO GRADE BY OTHERS	(ATGBO)	(ATGBO)
DO NOT DISTURB	(DND)	(DND)
PEDESTRIAN ACCESS ROUTE	PAR	PAR

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
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STATE STREET-----	9-17



Paul J. Kronlage  
 12/30/2024 1:44:21 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
**12/30/2024**  
 ROUTE STATE  
**8 MO**  
 DISTRICT SHEET NO.  
**SE 1**  
 COUNTY  
**ST FRANCOIS**  
 JOB NO.  
**J9P3448**  
 CONTRACT ID.

PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**LENGTH OF PROJECT**

BEGINNING OF PROJECT	STA. 37+00.00
END OF PROJECT	STA. 47+00.00
APPARENT LENGTH	1000.00 FEET
EQUATIONS AND EXCEPTIONS:	NONE

TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1000.00 FEET
STATE LENGTH	0.189 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.5 ACRES

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578



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THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

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02/01/2025 10:36:52 AM  
Paul J. Kronlage - Civil  
MO PE - 023328

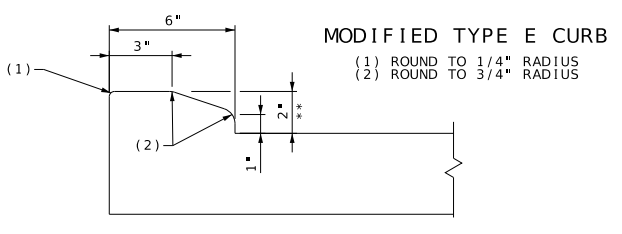
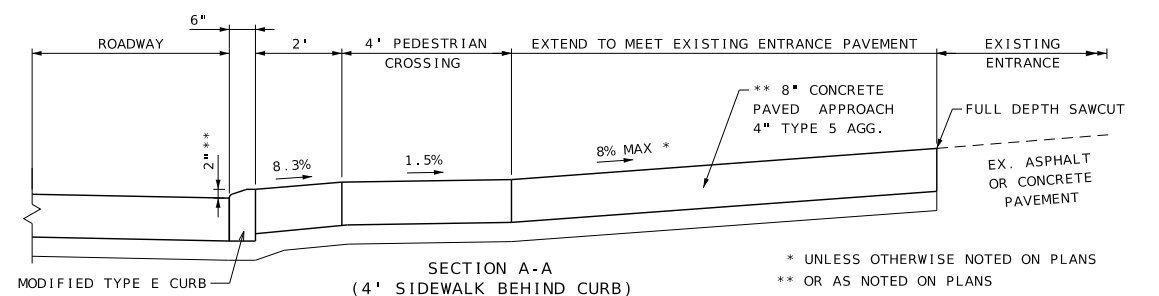
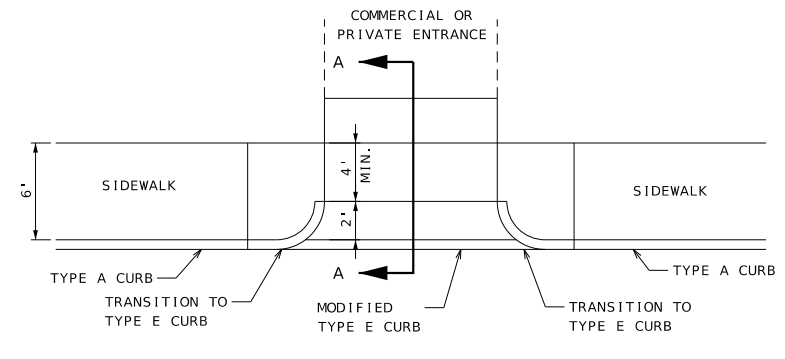
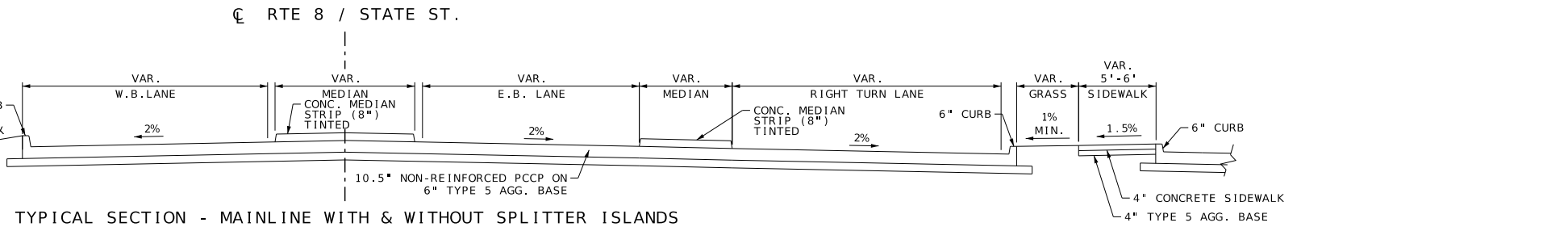
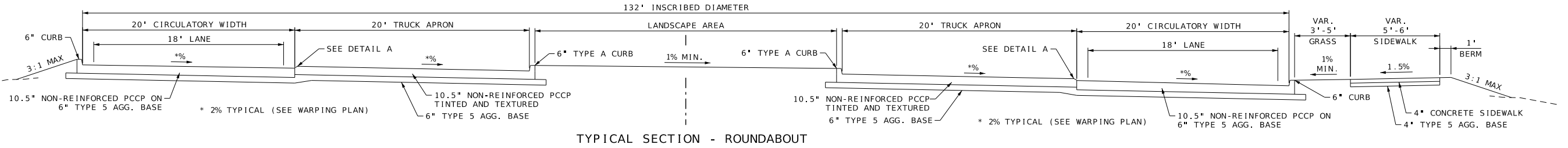
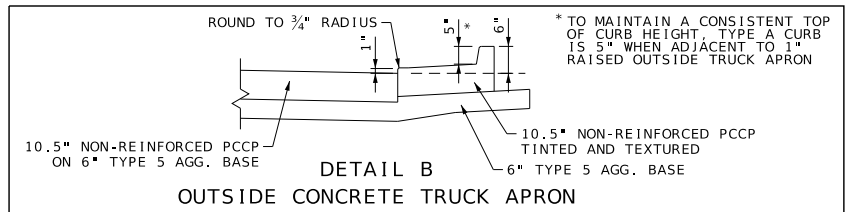
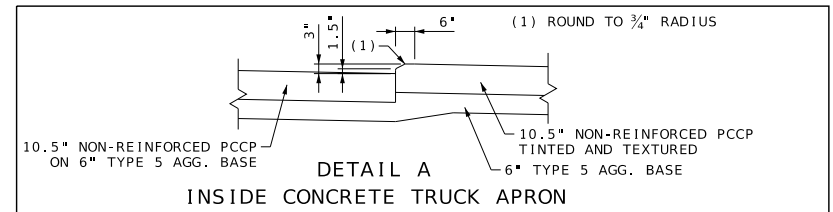
DATE PREPARED  
2/1/2025  
ROUTE 8 STATE MO  
DISTRICT SE SHEET NO. 2  
COUNTY ST FRANCOIS  
JOB NO. J9P3448  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

DESCRIPTION	DATE

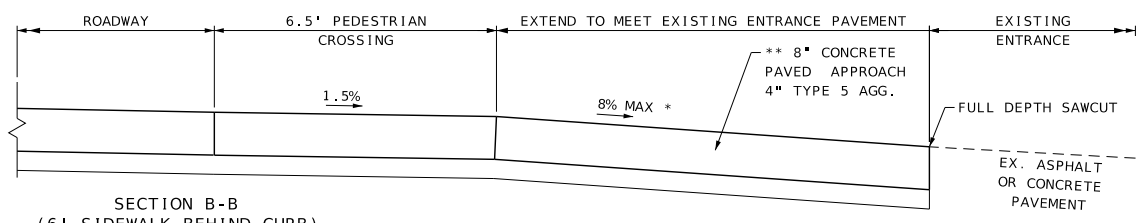
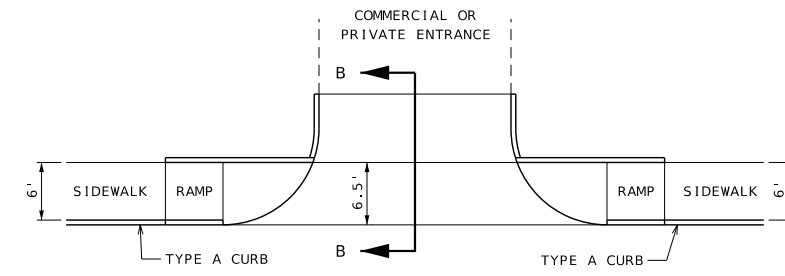
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
MoDOT  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
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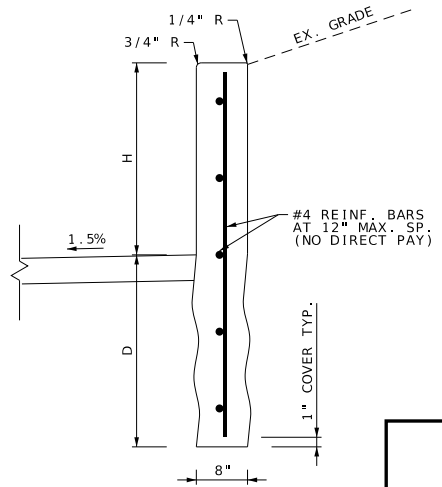


TYPICAL SECTION - ENTRANCE WITH SIDEWALK AND CURB

MODIFIED TYPE E CURB  
(1) ROUND TO 1/4" RADIUS  
(2) ROUND TO 3/4" RADIUS



MODIFIED TYPE S  
30" MAX. CONCRETE CURB AS RETAINING WALL  
(SIDEWALK LOW SIDE)  
H = 2'-6" MAX. (30")  
HEIGHT TO MEET EXISTING GRADE  
D = BURY DEPTH (FORMING NOT REQUIRED)  
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.  
VERTICAL REINFORCING LENGTHS VARY AS NEEDED. DEPTH  
MAY BE REDUCED IF KEYED 6" IN ROCK.



TYPICAL SECTION - ENTRANCE WITH SIDEWALK

TYPICAL SECTION - ENTRANCE WITHOUT SIDEWALK

TYPICAL SECTIONS  
SHEET 1 OF 1

REMOVAL OF IMPROVEMENTS								
SHEET	STA	STA	LOC	ROADWAY	LF	SQFT	EA	DESCRIPTIONS
4	39+86		RT	ROUTE 8			1	PRIVATE SIGN & FOUNDATION
5	40+16		RT	ROUTE 8			1	SIGN & FOUNDATION
5	40+20		RT	ROUTE 8			1	PRIVATE SIGN & FOUNDATION
5	40+42		RT	ROUTE 8			1	PRIVATE SIGN & FOUNDATION
5	40+71		LT	ROUTE 8			1	SIGN & FOUNDATION
5	40+78		RT	ROUTE 8			1	PRIVATE SIGN & FOUNDATION
5	41+09		RT	ROUTE 8			1	PRIVATE SIGN & FOUNDATION
5	41+36		RT	ROUTE 8			1	BOLLARD
5	41+38		RT	ROUTE 8			1	BOLLARD
5	13+78	14+05	LT	STATE ST	43			BLOCK WALL
5	13+84		RT	STATE ST			1	CULVERT HEADWALL
5	13+88		LT	STATE ST			1	BUSH
5	13+90		LT	STATE ST			1	BUSH
5	14+03		LT	STATE ST			2	BUSHES
5	14+09		LT	STATE ST			1	SIGN & FOUNDATION
5	14+09		RT	STATE ST			1	SIGNAL CONTROLLER
5	14+17		RT	STATE ST			1	SIGN & FOUNDATION
5	14+19	15+13	RT	STATE ST	104			24" PIPE
5	14+25	15+09	RT	STATE ST	96			18" PIPE
5	14+30	15+07	RT	STATE ST	91			18" PIPE
5	14+40		LT	STATE ST		130		CONCRETE MEDIAN
5	14+40		LT	STATE ST			1	SIGNAL, MAST ARM & BASE
5	14+41		LT	STATE ST		130		CONCRETE MEDIAN
5	14+41		LT	STATE ST			1	SIGNAL, MAST ARM & BASE
5	14+95		LT	STATE ST		88		CONCRETE MEDIAN
5	14+95		LT	STATE ST			1	SIGNAL, MAST ARM & BASE
5	15+09		LT	STATE ST		121		CONCRETE MEDIAN
5	15+09		LT	STATE ST			1	SIGNAL, MAST ARM & BASE
5	15+19		RT	STATE ST			1	MAILBOX
5	15+20		RT	STATE ST			1	MAILBOX
5	15+21		RT	STATE ST			1	MAILBOX
5	15+32		RT	STATE ST			1	CULVERT HEADWALL
5	15+33		RT	STATE ST			1	SIGN & FOUNDATION
5	15+35		RT	STATE ST			1	BOLLARD
5	15+36		LT	STATE ST			1	SIGN & FOUNDATION
5	15+37		RT	STATE ST			1	BOLLARD
5	15+55		LT	STATE ST			1	PRIVATE SIGN & FOUNDATION
5	15+65		RT	STATE ST			1	INLET
5	15+67		LT	STATE ST			1	PHONE BOX
5	15+79		LT	STATE ST			1	AIR HOSE BOX
5	15+88		LT	STATE ST			1	LIGHT POLE & FOUNDATION
6	43+66		RT	ROUTE 8			1	INLET
6	43+68	45+06	RT	ROUTE 8	140			15" PIPE
6	43+83		RT	ROUTE 8		545		GRASS MEDIAN
6	43+83	44+57	LT	ROUTE 8	74			15" PIPE
6	44+59		RT	ROUTE 8			1	INLET
6	45+17		LT	ROUTE 8			1	SIGN & FOUNDATION
7	12+43		RT	STATE ST			1	INLET
7	12+66	13+82	LT	STATE ST		972		CONCRETE MEDIAN
8	15+94	16+38	LT	STATE ST	47			SLOTTED DRAIN
8	16+43		LT	STATE ST			1	PRIVATE SIGN & FOUNDATION
8	16+43		RT	STATE ST			1	GRATE INLET
8	16+52		RT	STATE ST			1	SIGN & FOUNDATION
8	17+18		RT	STATE ST			1	GRATE INLET
8	17+18		LT	STATE ST			1	GRATE INLET
8	18+17		RT	STATE ST			1	GRATE INLET
8	18+17		LT	STATE ST			1	GRATE INLET
CONCRETE CURB REMOVAL								
4	39+62	42+07	RT	ROUTE 8	279			CONCRETE CURB REMOVAL
5	15+30	15+94	LT	STATE ST	172			CONCRETE CURB REMOVAL
6	43+68	43+98	RT	ROUTE 8	89			CONCRETE CURB REMOVAL
8	15+54	16+49	RT	STATE ST	137			CONCRETE CURB REMOVAL
8	16+60	17+24	LT	STATE ST	117			CONCRETE CURB REMOVAL
8	17+10	17+52	RT	STATE ST	80			CONCRETE CURB REMOVAL
8	17+96	18+55	RT	STATE ST	80			CONCRETE CURB REMOVAL
SIDEWALK CURB RAMP REMOVAL								
8	18+42	18+55	RT	STATE ST	80			SIDEWALK CURB RAMP REMOVAL
SAWCUT								
4	38+51	40+00	CL	ROUTE 8	377			SAWCUT
5	40+00	43+50	CL	ROUTE 8	438			SAWCUT
6	43+50	45+82	CL	ROUTE 8	270			SAWCUT
7	11+25	13+00	CL	STATE ST	209			SAWCUT
8	16+00	18+55	CL	STATE ST	422			SAWCUT

REMOVAL OF IMPROVEMENTS (CONTINUED)								
SHEET	STA	STA	LOC	ROADWAY	LF	SQFT	EA	DESCRIPTIONS
PAVEMENT REMOVAL ASPHALT								
4	38+51	40+00	CL	ROUTE 8		8772		ASPHALT PAVEMENT REMOVAL
5	40+00	43+50	CL	ROUTE 8		37542		ASPHALT PAVEMENT REMOVAL
6	43+50	45+82	CL	ROUTE 8		16162		ASPHALT PAVEMENT REMOVAL
7	11+25	13+00	CL	STATE ST		7419		ASPHALT PAVEMENT REMOVAL
8	16+00	18+55	CL	STATE ST		10484		ASPHALT PAVEMENT REMOVAL
PAVEMENT REMOVAL CONCRETE								
5	40+00	43+50	CL	ROUTE 8		1231		CONCRETE PAVEMENT REMOVAL
6	43+50	45+82	CL	ROUTE 8		2018		CONCRETE PAVEMENT REMOVAL
8	16+00	18+55	CL	STATE ST		3048		CONCRETE PAVEMENT REMOVAL
PAY TOTAL						1	LUMP SUM	


MOBILIZATION	1	LUMP SUM
CONTRACTOR FURNISHED SURVEYING AND STAKING	1	LUMP SUM
ADDITIONAL MOBILIZATION FOR SEEDING	4	EACH

ADJUST TO GRADE								
SHEET	STA	STA	LOC	ROADWAY	EA	DESCRIPTIONS		
5	40+22	-	RT	ROUTE 8	1	SANITARY MANHOLE		
7	12+51	-	RT	STATE ST	1	SANITARY MANHOLE		
8	16+49	-	LT	STATE ST	1	SANITARY MANHOLE		
PAY TOTAL						3		

CONCRETE MEDIAN STRIP, TINTED, TEXTURED							
PLAN SHEET NO	ROADWAY	STA	STA	LOC	8 IN. CONC. MEDIAN STRIP (ON PAVEMENT)		REMARKS
					SQYD		
4	ROUTE 8	38+51	40+00	CL	12.8		
5	ROUTE 8	40+00	43+50	CL	623.9		
6	ROUTE 8	43+50	45+82	CL	83.4		
7	STATE ST	11+25	13+00	CL	21.5		
8	STATE ST	16+00	18+55	CL	4.4		
SUBTOTAL					746.0		
PAY TOTAL					746.0		

ISLAND TUBULAR MARKERS						
SHEET NO	ROADWAY	STA	STA	LOC	ISLAND TUBULAR MARKERS	REMARKS
					EA.	
1	ROUTE 8	39+83	41+70	RT-LT	5	
1	ROUTE 8	42+85	44+23	RT-LT	9	
1	STATE ST	12+74	14+11	RT-LT	5	
1	STATE ST	15+22	15+77	RT-LT	5	
SUBTOTAL					24	
PAY TOTAL					24	

SUMMARY OF QUANTITIES  
SHEET 1 OF 7



DATE PREPARED  
12/30/2024

ROUTE 8 STATE MO  
DISTRICT SE SHEET NO. 3

COUNTY  
ST FRANCOIS

JOB NO.  
J9P3448

CONTRACT ID.


PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
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Phone 314-394-3100  
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Missouri Certificate of Authority: 001578

**PAVEMENT, ENTRANCE & BASE**

PLAN SHEET NO	ROADWAY	STA	STA	LOC	PVMT AREA	TINTED/TEXTURED CONCRETE PAVEMENT		PAVED APPROACH	BP-1	6 IN. TYPE 5	4 IN. TYPE 5	REMARKS
						(10.5 IN. NON-REINF)	(10.5 IN. NON-REINF)		(ASPHALT DRIVEWAY & LOT)			
						SQFT	SQYD		SQYD			
4	ROUTE 8	38+51.00	40+00.00	CL	7,048		783.1			799.8		MAINLINE PAVEMENT
5	ROUTE 8	40+00.00	43+50.00	CL	36,875		4,097.2			4240.0		MAINLINE PAVEMENT
5	ROUTE 8	40+00.00	43+50.00	CL	5,621	624.6				651.1		TRUCK APRON
6	ROUTE 8	43+50.00	45+81.52	CL	12,448		1,383.2			1546.0		MAINLINE PAVEMENT
6	ROUTE 8	43+50.00	45+81.52	CL	220	24.5				24.5		TRUCK APRON
7	STATE ST	11+25.00	13+00.00	CL	7,817		868.6			928.4		MAINLINE PAVEMENT
8	STATE ST	16+00.00	18+55.00	CL	8,263		918.2			1002.0		MAINLINE PAVEMENT
8	STATE ST	16+00.00	18+55.00	CL	122	13.5				13.5		TRUCK APRON
4	ROUTE 8	39+28.43		RT	1,645				82.5		175.4	COMMERCIAL ENTRANCE
4	ROUTE 8	39+65.87	40+00.00	RT	129				6.5		21.8	COMMERCIAL PARKING LOT
5	ROUTE 8	40+00.00	42+03.33	RT	1,008				50.6		154.7	COMMERCIAL PARKING LOT
5	ROUTE 8	42+80.63	42+86.24	LT	164				8.2		37.3	COMMERCIAL PARKING LOT
5	ROUTE 8	43+02.04	43+50.00	RT	420			46.7			64.2	COMMERCIAL PARKING LOT
6	ROUTE 8	43+50.00	43+64.41	RT	58			6.4			8.9	COMMERCIAL PARKING LOT
6	ROUTE 8	43+99.86		RT	2,932			325.8			295.6	COMMERCIAL ENTRANCE
6	ROUTE 8	44+21.75		LT	824				41.3		86.3	COMMERCIAL ENTRANCE
6	ROUTE 8	44+81.04		RT	1,375				69.0		94.5	SIDE STREET
7	STATE ST	12+46.93		LT	854			70.4	11.1		70.5	COMMERCIAL ENTRANCE
7	STATE ST	12+66.21	13+00.00	LT	59				2.9		12.1	COMMERCIAL PARKING LOT
8	STATE ST	16+15.93		LT	926			102.9			98.5	COMMERCIAL ENTRANCE
8	STATE ST	16+00.00	16+50.70	RT	191				9.6		29.2	COMMERCIAL PARKING LOT
8	STATE ST	16+78.30		RT	1,125			25.7	56.5		126.9	COMMERCIAL ENTRANCE
8	STATE ST	17+38.39		RT	622			69.1			67.1	COMMERCIAL ENTRANCE
8	STATE ST	17+89.48		LT	1,533			97.6	72.7		148.9	COMMERCIAL ENTRANCE
SUBTOTAL						662.6	8050.3	744.6	410.9	9205.3	1491.9	
(1)						0.0	0.0	0.0	0.0	0.0	519.0	
PAY TOTAL						662.6	8050.3	744.6	410.9	9205	2011	

(1) SUBTOTAL FROM "ADA" TABLE  
BP-1 RATE = 2.034 TON/CY

**ADA**

PLAN SHEET NO	ROADWAY	STA	STA	LOC	ADA				REMARKS
					CONC. RAMP	4" CONC. SIDEWALK	TRUNCATED DOMES	4 IN. TYPE 5 AGG. BASE	
					SQYD	SQYD	SQFT	SQYD	
4	ROUTE 8	38+51.00	40+00.00	LT&RT	7.0	9.6	0.0	15.5	
5	ROUTE 8	40+00.00	43+50.00	LT&RT	82.5	273.9	214.2	338.1	
6	ROUTE 8	43+50.00	45+81.52	LT&RT	0.0	0.0	0.0	0.0	
7	STATE ST	11+25.00	13+00.00	LT	17.0	10.6	0.0	24.7	
8	STATE ST	16+00.00	18+55.00	LT&RT	44.3	128.1	0.0	140.7	
SUBTOTAL					150.8	422.2	214.2	519.0	
PAY TOTAL					150.8	422.2	214	(1)	

(1) SEE PAY TOTAL IN "PAVEMENT, ENTRANCE & BASE" TABLE

**OPTIONAL TEMPORARY PAVEMENT**

1560 S.Y.

**CONCRETE CURB, & GUTTER**

PLAN SHEET NO	ROADWAY	STA	STA	LOC	INTEGRAL CURB	CONCRETE CURB	MODIFIED	CONCRETE	REMARKS
					(6 IN. AND UNDER)	(6 IN. AND UNDER)	TYPE S CURB	GUTTER	
					TYPE A	TYPE S	(30" MAX)	TYPE A	
4	ROUTE 8	38+51	40+00	LT&RT		80			
5	ROUTE 8	40+00	43+50	LT&RT	1126	384			
5	ROUTE 8	42+85	43+15	LT			45		
6	ROUTE 8	43+50	45+82	LT&RT	239	96		2	
7	STATE ST	11+25	13+00	LT&RT	189	41			
8	STATE ST	16+00	18+55	LT&RT	241	158			
8	STATE ST	16+96	1+75	RT			62		
SUBTOTAL					1819	759	107	2	
PAY TOTAL					1819	759	107	2	



*Paul J. Kronlage*  
02/06/2025 7:09:08 AM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
2/6/2025

ROUTE	8	STATE	MO
DISTRICT	SE	SHEET NO.	3

COUNTY  
**ST FRANCOIS**

JOB NO.  
**J9P3448**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

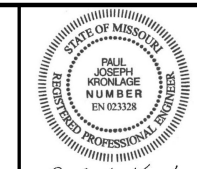


**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578



LINEAR GRADING									
SHEET NO	ROADWAY	STA	STA	LOC	LINEAR GRADING	LINEAR GRADING	MODIFIED LINEAR GRADING	COMPACTING	REMARKS
					CLASS 1	CLASS 2	CLASS 1	IN CUT	
					STA	STA	STA	STA	
4	ROUTE 8	38+51.00	40+00.00	RT	0.25				
5	ROUTE 8	40+00.00	43+50.00	LT&RT	0.00				
6	ROUTE 8	43+50.00	45+81.52	LT&RT	0.93				
7	STATE ST	11+25.00	13+00.00	LT	0.15				
8	STATE ST	16+00.00	18+55.00	LT&RT	0.68				
26	ROUTE 8	41+84.00	42+45.00	LT&RT		0.61			TCP STAGE 1 CONSTRUCT TEMP. PVMT
26	ROUTE 8	42+73.00	42+91.00	LT&RT		0.36			TCP STAGE 1 PLACEMENT/REMOVAL TEMP. PVMT
26	ROUTE 8	38+51.19	42+38.91	LT&RT			3.88	3.88	TCP STAGE 1 CONSTRUCTION
26	STATE ST	11+25.47	14+72.69	LT&RT			3.47	3.47	TCP STAGE 1 CONSTRUCTION
27	ROUTE 8	41+84.00	42+77.00	RT		0.93			TCP STAGE 2 CONSTRUCT TEMP. PVMT
27	ROUTE 8	42+93.00	43+75.00	RT		0.82			TCP STAGE 2 CONSTRUCT TEMP. PVMT
27	ROUTE 8	44+25.00	44+56.00	RT		0.31			TCP STAGE 2 CONSTRUCT TEMP. PVMT
27	ROUTE 8	38+51.19	45+48.31	LT&RT			6.97	6.97	TCP STAGE 2 CONSTRUCTION
27	STATE ST	14+72.69	18+55.08	LT&RT			3.82	3.82	TCP STAGE 2 CONSTRUCTION
28	ROUTE 8	42+40.00	42+76.00	LT&RT		0.36			TCP STAGE 3 CONSTRUCT TEMP. PVMT
28	ROUTE 8	42+40.20	45+81.52	LT&RT			3.41	3.41	TCP STAGE 3 CONSTRUCTION
28	STATE ST	11+25.47	14+72.69	LT&RT			3.47	3.47	TCP STAGE 3 CONSTRUCTION
29	ROUTE 8	41+84.00	42+77.00	LT&RT		0.93			TCP STAGE 4 TEMP. PVMT REMOVAL
29	ROUTE 8	42+93.00	43+75.00	LT&RT		0.82			TCP STAGE 4 TEMP. PVMT REMOVAL
29	ROUTE 8	44+25.00	44+56.00	LT&RT		0.31			TCP STAGE 4 TEMP. PVMT REMOVAL
SUBTOTAL					2.01	3.39	18.14	18.14	
PAY TOTAL					2.0	3.4	18.1	18.1	

DRAINAGE STRUCTURES LIDS									
SHEET NO	ROADWAY	STA	LOC.	STR. NO.	CURVED VANE GRATE & FRAME	MANHOLE FRAME & COVER	MANHOLE FRAME & COVER	MANHOLE FRAME & COVER	REMARKS
					4' X 2' EA.	TYPE 1-B EA.	TYPE 3 EA.	TYPE 4 EA.	
5	STATE ST	13+21	RT	1-3			1		
5	STATE ST	13+76	LT	1-7	1				
5	STATE ST	13+81	RT	JCT-1				1	
5	STATE ST	15+16	RT	1-13			1		
5	STATE ST	15+47	RT	1-9	1				
5	STATE ST	15+52	LT	2-5			1		
5	STATE ST	15+71	RT	1-12	1				
5	ROUTE 8	41+04	RT	1-14			1		
5	ROUTE 8	41+10	RT	1-15			1		
5	ROUTE 8	41+13	LT	1-16			1		
5	ROUTE 8	41+13	LT	1-4			1		
5	ROUTE 8	43+25	RT	2-4			1		
6	ROUTE 8	43+59	RT	2-6	1				
6	ROUTE 8	43+66	RT	2-3			1		
6	ROUTE 8	43+70	LT	3-3			1		
6	ROUTE 8	44+60	RT	2-2			1		
6	ROUTE 8	44+95	LT	3-2			1		
7	STATE ST	12+41	RT	1-2			1		
7	STATE ST	12+43	RT	1-1		1			
7	STATE ST	12+91	LT	1-6			1		
8	STATE ST	16+43	RT	T-1			1		
8	STATE ST	17+18	LT	G-1	1				
8	STATE ST	17+18	RT	T-2			1		
8	STATE ST	18+17	LT	G-3	1				
8	STATE ST	18+17	RT	T-3			1		
SUBTOTAL					6	1	17	1	
PAY TOTAL					6	1	17	1	



Paul J. Kronlage  
 12/30/2024 1:46:36 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 12/30/2024

ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 3

COUNTY  
ST FRANCOIS

JOB NO.  
J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
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 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
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**DRAINAGE STRUCTURES**

SHEET NO	ROADWAY	STA	LOC.	TOP ELEV.	FLOWLINE ELEV.	ACTUAL DEPTH FT	PAVEMENT THICKNESS IN.	STR. NO.	72-IN PRECAST CONCRETE MANHOLE	PRECAST CONC. DROP INLET 2.5'X3'	PRECAST CONC. DROP INLET 4'X2'	PRECAST CONC. DROP INLET 5'X3'	FES GROUP A 15" EA.	ROCK LINING C.Y.	CLASS 3 EXCAVATION C.Y.	REMARKS
									L.F.	L.F.	L.F.	L.F.				
5	STATE ST	13+16	RT	754.34	750.34	4.00	15	1-3		4					7	
5	STATE ST	13+76	LT	753.41	750.32	3.09	15	1-7			3				9	
5	STATE ST	15+16	RT	754.80	751.64	3.16	15	1-13				3			10	
5	STATE ST	15+47	RT	754.02	751.20	2.82	15	1-9			3				5	
5	STATE ST	15+75	RT	753.66	751.35	2.31	15	1-10			2				5	
5	STATE ST	16+04	RT	753.64	751.50	2.14	15	1-11			2				5	
5	STATE ST	15+52	LT	755.03	750.94	4.09	15	2-5				4			12	
5	STATE ST	15+71	RT	754.09	751.70	2.39	15	1-12			2				5	
5	ROUTE 8	41+04	RT	756.13	752.22	3.91	15	1-14				4			9	
5	ROUTE 8	41+01	RT	756.98	752.97	4.01	15	1-15		4					5	
5	ROUTE 8	40+84	LT	758.22	754.38	3.84	15	1-16		4					5	
5	ROUTE 8	41+13	LT	754.21	750.22	3.99	15	1-4		4					3	
5	ROUTE 8	41+44	LT		751.00			1-5					1			
5	ROUTE 8	43+25	RT	754.64	750.64	4.00	15	2-4		4					7	
6	ROUTE 8	43+59	RT	753.18	750.64	2.54	15	2-6			3				5	
6	ROUTE 8	43+66	RT	754.38	750.26	4.12	15	2-3		4					7	
6	ROUTE 8	43+70	LT	754.43	750.21	4.22	15	3-3		4					4	
6	ROUTE 8	44+60	RT	753.25	749.75	3.50	15	2-2		4					6	
6	ROUTE 8	44+95	LT	752.20	748.81	3.39	15	3-2		3					4	
6	ROUTE 8	45+14	RT		749.20			2-1					1	2		
6	ROUTE 8	45+59	LT		748.50			3-1					1	3		
7	STATE ST	12+41	RT	753.77	747.30	6.47	15	1-2		7					12	
7	STATE ST	12+43	RT	752.60	747.19	5.41	15	1-1	5						18	
7	STATE ST	12+91	LT	754.54	748.70	5.84	15	1-6				6			10	
8	STATE ST	16+43	RT	756.10	751.73	4.37	15	T-1				4			6	
8	STATE ST	17+18	LT	754.63	753.11	1.52	15	G-1			2				4	
8	STATE ST	17+18	RT	756.09	751.97	4.12	15	T-2				4			6	
8	STATE ST	18+17	LT	754.93	753.49	1.44	15	G-3			1				5	
8	STATE ST	18+17	RT	756.40	752.55	3.85	15	T-3				4			6	
SUBTOTALS									5	42	18	29	3	5	180	
PAY TOTAL									5	42	18	29	3	5	*	

**BOX CULVERT**

SHEET NO	ROADWAY	STA	STA	LOC.	TOP ELEV.	FLOWLINE ELEV.	ACTUAL DEPTH FT	PAVEMENT THICKNESS IN.	STR. NO.	REINFORCING STEEL	CLASS B-1 CONCRETE (CULVERTS)	CLASS 3 EXCAVATION	JUNCTION CHAMBER	REMARKS
										L.B.	C.Y.	C.Y.	LUMP SUM	
5	STATE ST	13+81	-	RT	753.53	748.80	4.73	15	JCT-1			23	1	JUNCTION CHAMBER
5	STATE ST	15+35	13+81							13050	58	114		160 LF OF 4'x2' BOX CULVERT
SUBTOTALS										13050	58	137	1	
PAY TOTAL										13050	58	*	1	

\* SEE PAY TOTAL IN "STORM PIPES" TABLE

**CULVERT CLEANOUT**

SHEET NO.	ROADWAY	STA	LOC.	CLEANOUT	REMARKS
				EA	
6	RTE 8	45+85	LT	1	UNDER OFF RAMP
6	RTE 8	45+96	RT	1	UNDER ON RAMP
SUBTOTAL				2	
PAY TOTAL				2	



*Paul J. Kronlage*  
 02/01/2025 1:54:49 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 1/28/2025  
 ROUTE 8 STATE MO  
 DISTRICT SE SHEET NO. 3  
 COUNTY ST FRANCOIS  
 JOB NO. J9P3448  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

STORM PIPES													
SHEET NO.	ROADWAY	FROM STRUCTURE	TO STRUCTURE	STA	STA	12 IN. SLOTTED DRAIN	GROUP A 12" PIPE	GROUP A 15" PIPE	GROUP A 18" PIPE	GROUP A 21" PIPE	GROUP A 24" PIPE	CLASS 3 EXCAVATION	REMARKS
						L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	C.Y.	
5	STATE ST	1-3	1-2	13+16	12+41			74				46	
5	STATE ST	1-7	1-6	13+76	12+91			82				45	
5	STATE ST	1-13	4' X 2' BOX	15+16	15+24				35			10	
5	STATE ST	1-9	4' X 2' BOX	15+47	15+34						20	7	
5	STATE ST	2-5	2-4	15+52	43+25			39				17	
5	STATE ST	1-12	1-10	15+71	15+75			12				3	
5	STATE ST	1-11	1-10	16+04	15+75				23			7	
5	STATE ST	1-10	1-9	15+75	15+47						24	8	
5	ROUTE 8	1-14	1-13	41+04	15+16			61				22	
5	ROUTE 8	1-15	1-14	41+01	41+04			21				4	
5	ROUTE 8	1-16	1-15	40+84	41+01			27				4	
5	ROUTE 8	1-4	4' X 2' BOX	41+13	42+13				32			10	
5	ROUTE 8	1-5	1-4	41+44	41+13			33				13	
5	ROUTE 8	2-4	2-3	43+25	43+66			40				16	
5	STATE ST	5-1	2-5	15+98	15+52		48					11	
6	ROUTE 8	2-6	2-3	43+59	43+66			12				3	
6	ROUTE 8	2-3	2-2	43+66	44+60			92				27	
6	ROUTE 8	3-3	3-2	43+70	44+95			123				42	
6	ROUTE 8	2-2	2-1	44+60	45+14			51				12	
6	ROUTE 8	3-2	3-1	44+95	45+59			61				21	
7	STATE ST	1-2	1-1	12+41	12+43			5				1	
7	STATE ST	1-6	1-1	12+91	12+43			62				34	
8	STATE ST	S-1	2-5	16+34	15+98	40						4	
SUBTOTAL						40	48	795	67	23	44	367	
(1)												180	
(2)												137	
PAY TOTAL						40	48	795	67	23	44	684	

(1) SUBTOTAL FROM "DRAINAGE STRUCTURES" TABLE  
(2) SUBTOTAL FROM "BOX CULVERT" TABLE

SODDING, SEEDING, MULCHING									
SHEET NO	ROADWAY	STA	STA	LOC	TURF TYPE	SEEDING	TEMPORARY	MULCHING	REMARKS
					TALL FESCUE SODDING	COOL SEASON GRASSES	SEEDING		
					SQYD	ACRE	ACRE	ACRE	
4	ROUTE 8	38+51.00	40+00.00	LT&RT	30.4	0.0	0.0	0.0	
5	ROUTE 8	40+00.00	43+50.00	LT&RT	709.1	0.1	0.1	0.2	
6	ROUTE 8	43+50.00	45+81.52	LT&RT	205.4	0.1	0.1	0.2	
7	STATE ST	11+25.00	13+00.00	LT&RT	28.2	0.0	0.0	0.0	
8	STATE ST	16+00.00	18+55.00	LT&RT	71.7	0.0	0.0	0.0	
SUBTOTAL					1044.8	0.2	0.2	0.4	
PAY TOTAL					1045	0.2	0.2	0.4	



Paul J. Kronlage  
02/01/2025 1:55:42 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
1/21/2025  
ROUTE STATE  
8 MO  
DISTRICT SHEET NO.  
SE 3  
COUNTY  
ST FRANCOIS  
JOB NO.  
J9P3448  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
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PERMANENT PAVEMENT MARKING																
SHEET NO.	ROADWAY	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS			PERFORMED THERMOPLASTIC PAVEMENT MARKING											REMARKS
		6" WHITE	4" YELLOW		6" WHITE		4" YELLOW		24" SOLID	30" WHITE	24" WHITE YIELD	WORD	LEFT/RIGHT	STR/LT/RT		
		SOLID LF	SOLID LF	INTER. LF	SOLID LF	DOTTED LF	SOLID LF	INTER. LF	WHITE LF	MIDBLOCK EA	LINE TRIANGLES EA	"ONLY" EA	ARROW EA	FISH HOOK ARROW EA		
PM 1	STATE ST.	460	340	40	430			350	90	24				2		
PM 2	RTE 8				2300	100		1250	30					4	4	
PM 3	STATE ST.	650		80	160			110								
PM 4	RTE 8				880			970	230					6		
PM 5	RTE 8				1590	30		900	70	42			2	3		
SUBTOTAL		1110	460		5490			4000		66	27	62	2	15	4	
PAY TOTAL		1110	460		5490			4000		66	27	62	2	15	4	

TEMPORARY PAVEMENT MARKING												
SHEET NO.	TRAFFIC CONTROL PLAN STAGE	WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS			TEMPORARY REMOVABLE MARKING TAPE				PAVEMENT MARKING REMOVAL (SYMBOLS)	REMARKS		
		4" WHITE	4" YELLOW		4" WHITE	4" YELLOW	24" SOLID	LEFT/RIGHT				
		SOLID LF	SOLID LF	INTER. LF	SOLID LF	INTER. LF	WHITE EA	ARROW EA				
26	1	1030	560		2400	1310		49	1	5300	3	TCP STAGE 1
27	2	1510	850		3510	1970		53	4	7840	5	TCP STAGE 2
28	3	1710	1060		4000	2470		68	3	9240	1	TCP STAGE 3
SUBTOTAL		4250	2470		9910	5750		170	8	22380	9	
PAY TOTAL		4250	2470		9910	5750		170	8	22380	9	

EROSION CONTROL											
PLAN SHEET	STATION	STATION	ROADWAY	LOC	SILT FENCE LF	CURB INLET CHECK	ALTERNATE DITCH CHECK LF	SEDIMENT BASIN		SEDIMENT REMOVAL CUYD	REMARKS
								EXCAVATION CUYD	2' ROCK CUYD		
EC 1 of 1	40+00	45+00	ROUTE 8	LT&RT		11					42+32 RTE.8 = 12+10 STATE ST. - RT
EC 1 of 1	12+00	19+00	STATE	LT&RT		14					
	39+93	42+32	ROUTE 8	LT	355					3.6	42+32 RTE.8 = 12+10 STATE ST. - RT
	40+75		ROUTE 8	LT			12			1.0	
	41+38		ROUTE 8	LT			12			1.0	
	44+44	46+00	ROUTE 8	LT	160					1.6	
	44+69		ROUTE 8	LT			12			1.0	
	45+82		ROUTE 8	LT			12			1.0	
	46+44		ROUTE 8	LT				2.7	3.6	5.0	
	44+96	46+10	ROUTE 8	RT	125					1.3	
	45+40		ROUTE 8	RT			12			1.0	
	45+95		ROUTE 8	RT			12			1.0	
	46+65		ROUTE 8	RT				2.7	3.6	5.0	
VAR			VAR	LT&RT	128	5	14	1.1	1.4	4.5	MISC. FOR STAGES
SUBTOTAL					768	30	86	6.5	8.6	27.0	
PAY TOTAL					768	30	86	6.5	8.6	27	



Paul J. Kronlage  
 02/04/2025 2:28:09 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED: 2/4/2025  
 ROUTE: 8 STATE: MO  
 DISTRICT: SE SHEET NO.: 3

COUNTY: ST FRANCOIS

JOB NO.: J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
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Paul J. Kronlage  
12/30/2024 1:48:50 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

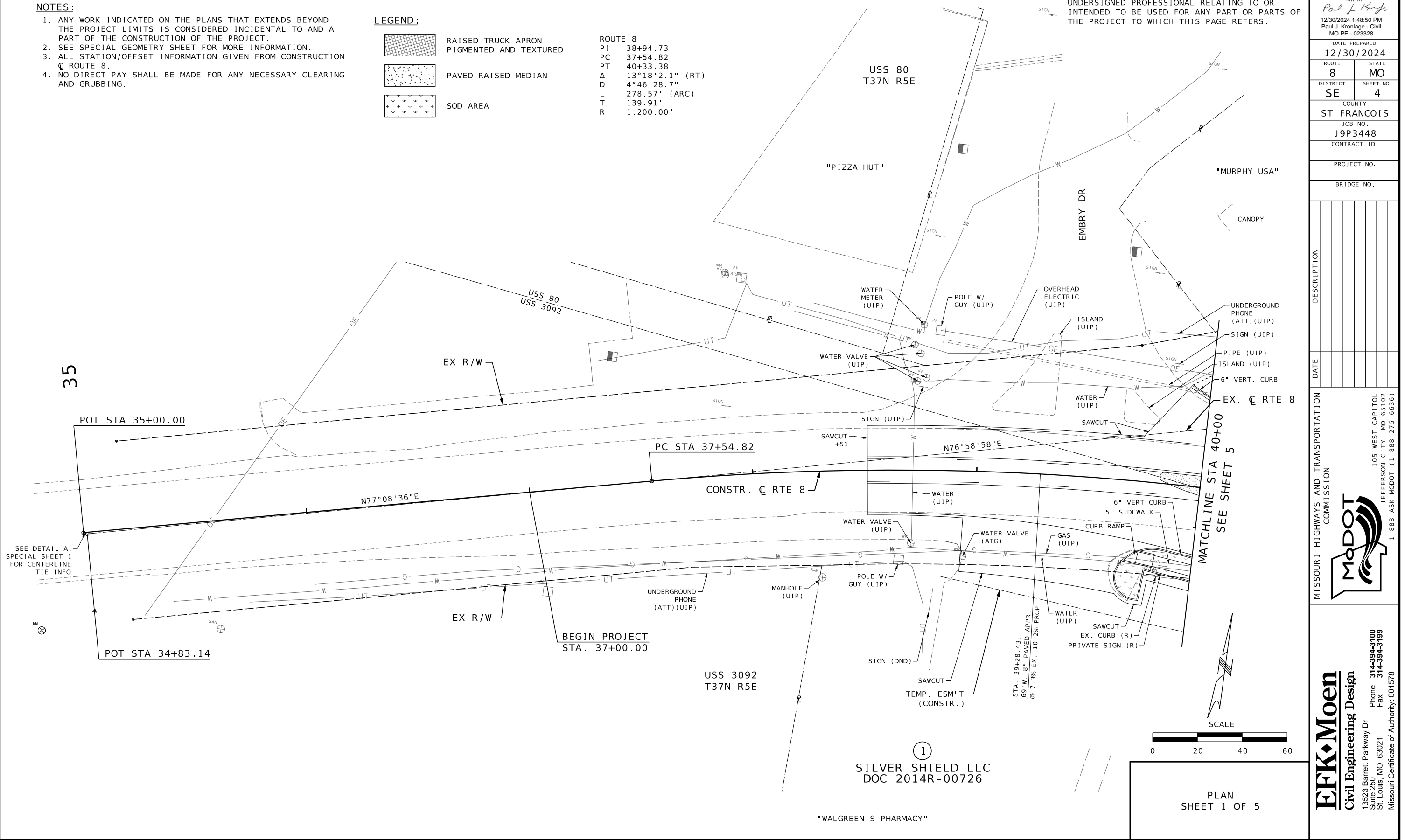
**NOTES:**

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THE PROJECT.
2. SEE SPECIAL GEOMETRY SHEET FOR MORE INFORMATION.
3. ALL STATION/OFFSET INFORMATION GIVEN FROM CONSTRUCTION @ ROUTE 8.
4. NO DIRECT PAY SHALL BE MADE FOR ANY NECESSARY CLEARING AND GRUBBING.

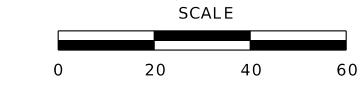
**LEGEND:**

- RAISED TRUCK APRON  
PIGMENTED AND TEXTURED
- PAVED RAISED MEDIAN
- SOD AREA

ROUTE 8  
PI 38+94.73  
PC 37+54.82  
PT 40+33.38  
Δ 13°18'2.1" (RT)  
D 4°46'28.7"  
L 278.57' (ARC)  
T 139.91'  
R 1,200.00'



①  
SILVER SHIELD LLC  
DOC 2014R-00726



PLAN  
SHEET 1 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

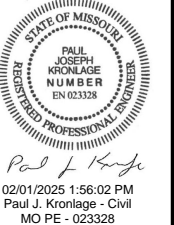
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USS 80  
T37N R5E

STATE STREET	PI 14+78.03	STATE STREET	PI 15+89.72
	PC 14+45.50		PC 15+28.12
	PT 15+10.00		PT 16+50.70
$\Delta$	18°28'42.6" (LT)	$\Delta$	14°2'49.2" (RT)
D	28°38'52.4"	D	11°27'33.0"
L	64.50' (ARC)	L	122.58' (ARC)
T	32.53'	T	61.60'
R	200.00'	R	500.00'

DISCLAIMER  
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DATE PREPARED  
1/21/2025

ROUTE STATE  
8 MO

DISTRICT SHEET NO.  
SE 5

COUNTY  
ST FRANCOIS

JOB NO.  
J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

②  
UNICO BANK  
DOC 2006R-08662

MATCHLINE STA 40+00  
SEE SHEET 4

MATCHLINE STA 13+00  
SEE SHEET 7

MATCHLINE STA 43+50  
SEE SHEET 6

MATCHLINE STA 16+00  
SEE SHEET 8

④  
JAMES DEAN MAURER  
REVOCABLE TRUST  
DOC 2009R-07362

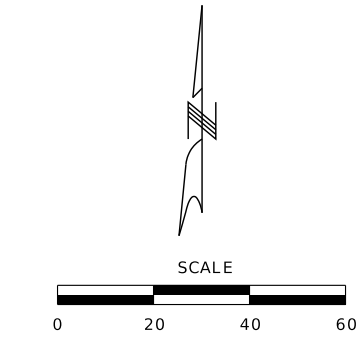
①  
SILVER SHIELD LLC  
DOC 2014R-00726

③  
DESLOGE PLAZA LLC  
DOC 2023R-00403

USS 3092  
T37N R5E

LEGEND:

- RAISED TRUCK APRON PIGMENTED AND TEXTURED
- PAVED RAISED MEDIAN
- SOD AREA



PLAN  
SHEET 2 OF 5

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

1-888-ASK-MODOT (1-888-275-6636)

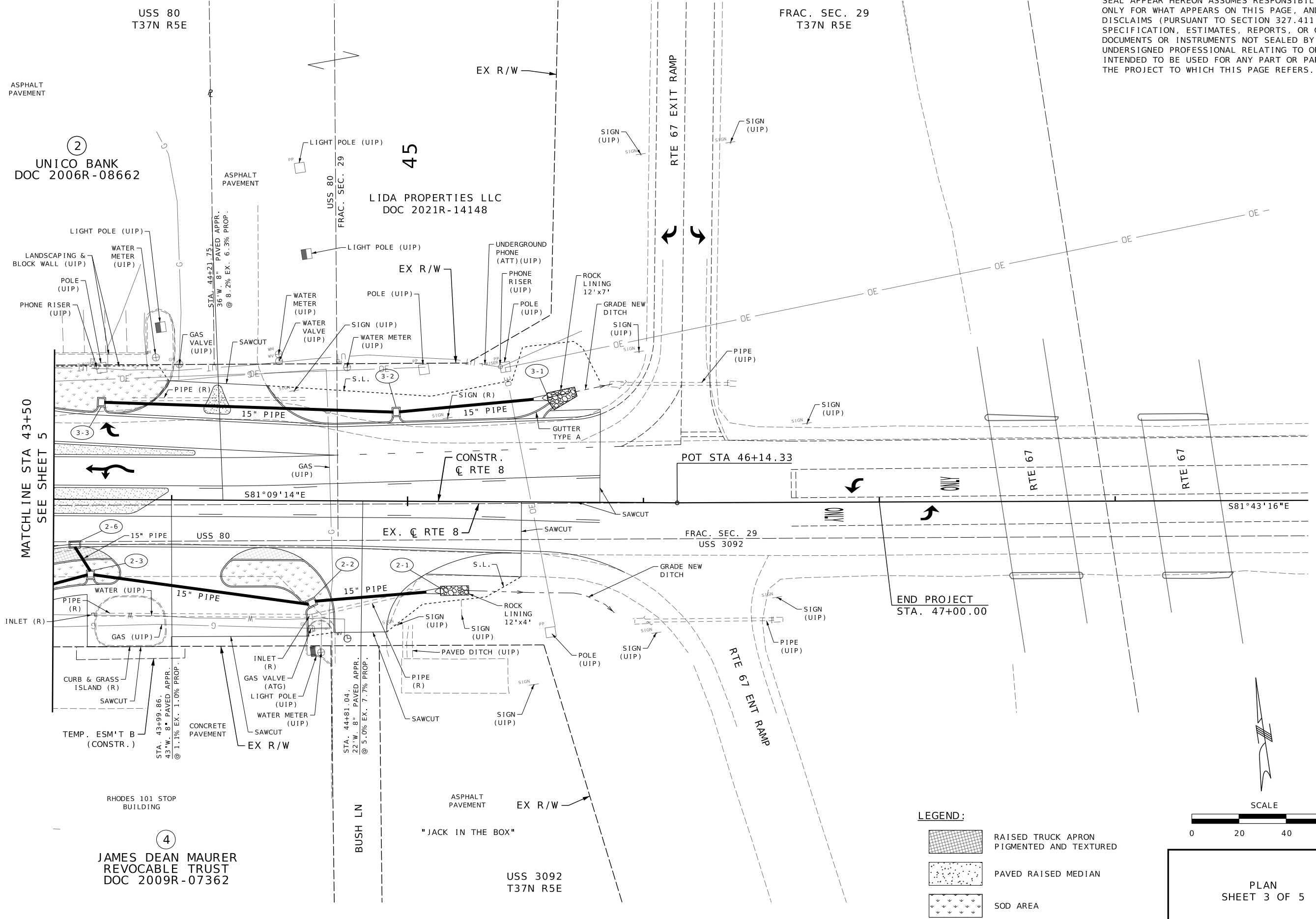
**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

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


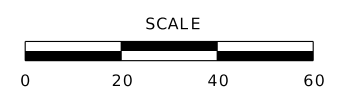
*Paul J. Kronlage*  
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 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED		12/30/2024	
ROUTE	STATE	8	MO
DISTRICT	SHEET NO.	SE	6
COUNTY			
ST FRANCOIS			
JOB NO.			
J9P3448			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			



**LEGEND:**


-  RAISED TRUCK APRON  
PIGMENTED AND TEXTURED
-  PAVED RAISED MEDIAN
-  SOD AREA



PLAN  
 SHEET 3 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design

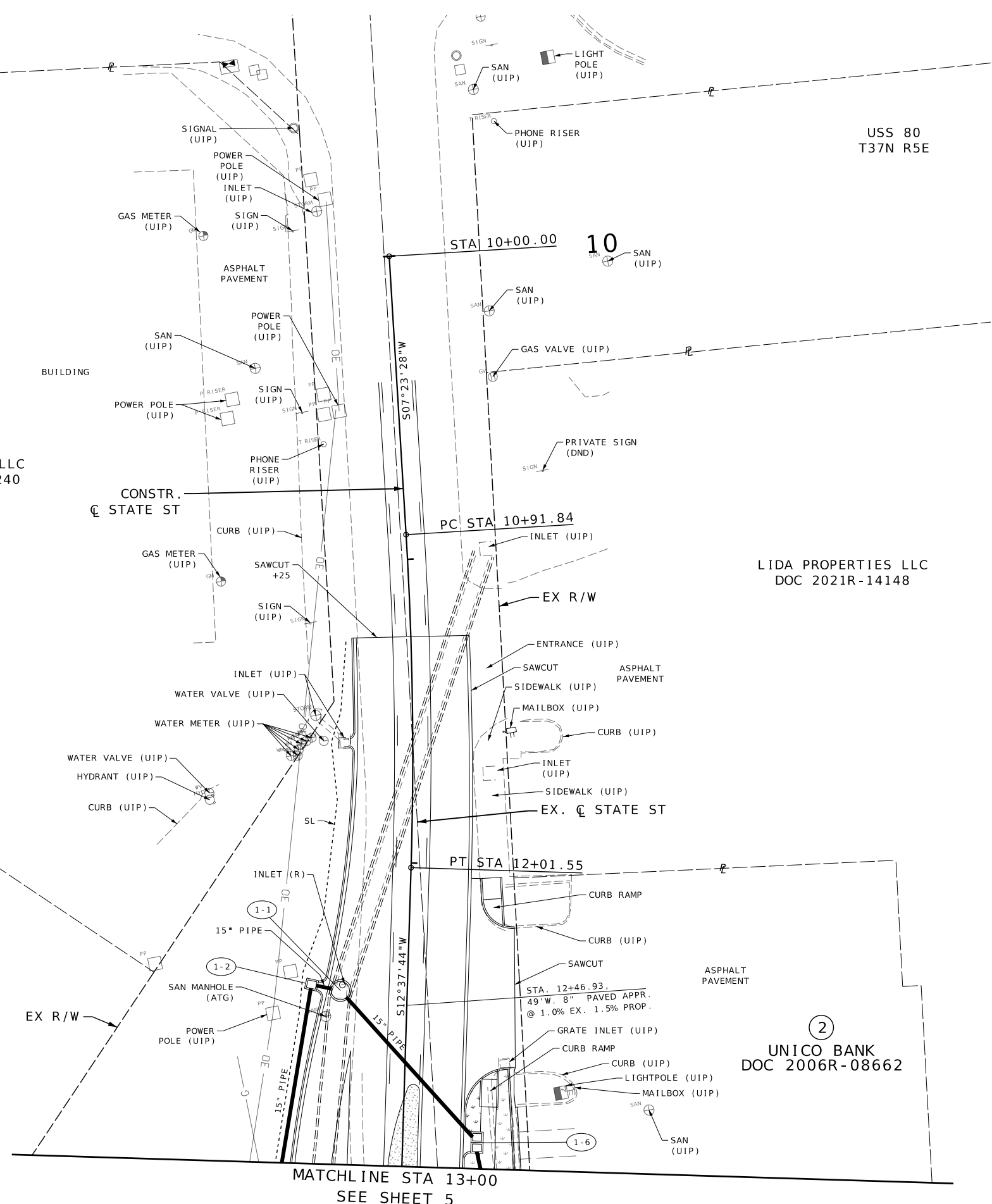
13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578



STATE ST  
 PI 11+46.73  
 PC 10+91.84  
 PT 12+01.55  
 Δ 5°14'16.4" (RT)  
 D 4°46'28.7"  
 L 109.70' (ARC)  
 T 54.89'  
 R 1,200.00'

MRP DESLODGE LLC  
 DOC 2017R-07240

MURPHY OIL  
 BK 1649 PG 1628  
 "MURPHY USA"



MATCHLINE STA 13+00  
 SEE SHEET 5

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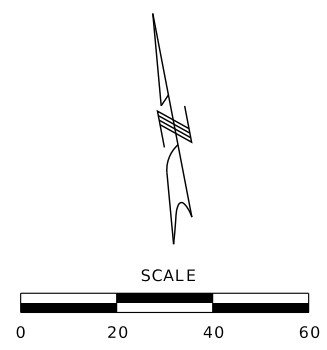


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 MO PE - 023328

DATE PREPARED		12/30/2024	
ROUTE	STATE	8	MO
DISTRICT	SHEET NO.	SE	7
COUNTY			
ST FRANCOIS			
JOB NO.			
J9P3448			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

- LEGEND:
- RAISED TRUCK APRON PIGMENTED AND TEXTURED
  - PAVED RAISED MEDIAN
  - SOD AREA



PLAN  
 SHEET 4 OF 5

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
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Paul J. Kronlage  
 02/01/2025 1:56:24 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 1/21/2025

ROUTE 8 STATE MO

DISTRICT SE SHEET NO. 8

COUNTY

ST. FRANCIS

JOB NO.

J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

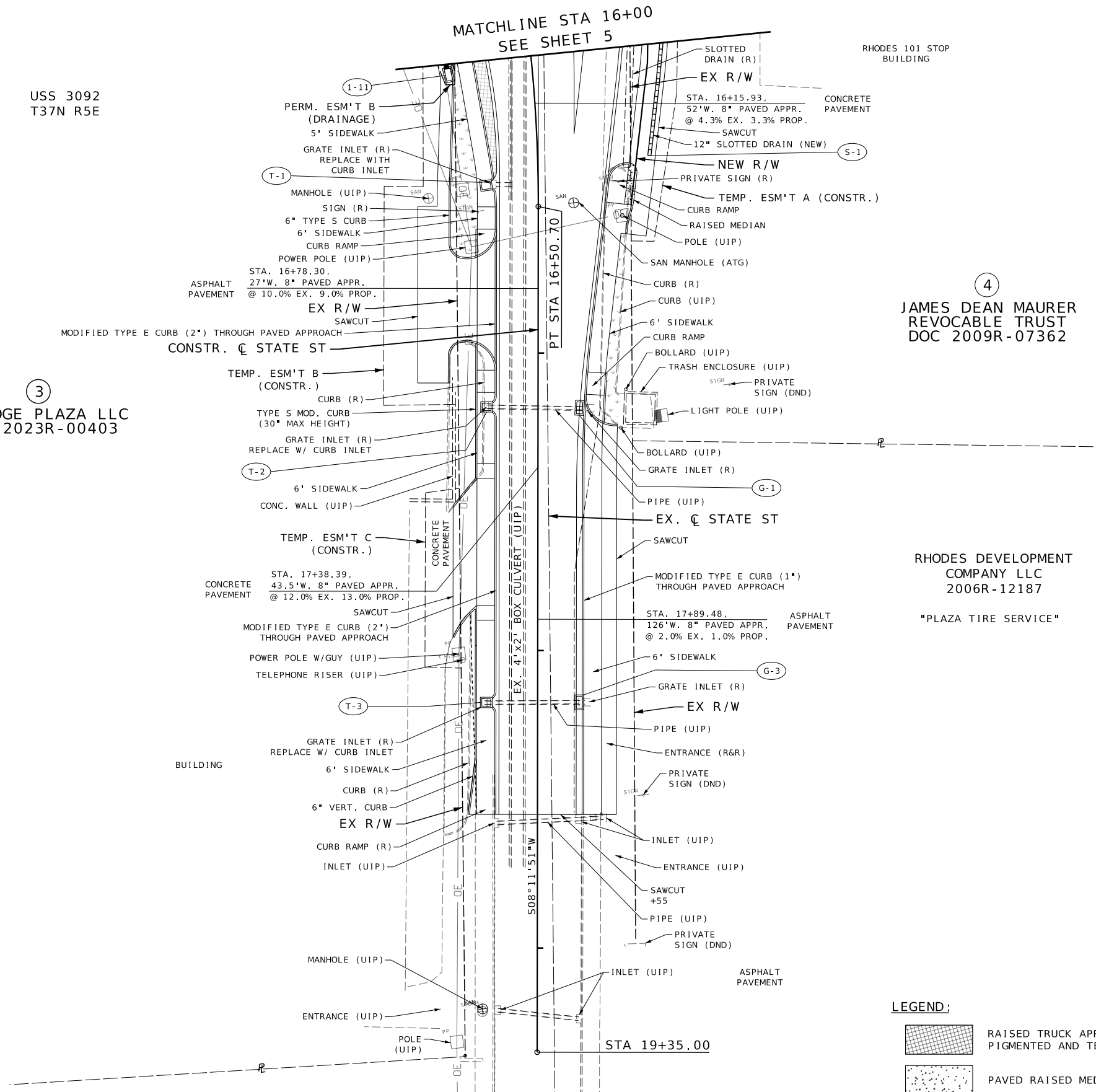
USS 3092  
 T37N R5E

(3)  
 DESLOGE PLAZA LLC  
 DOC 2023R-00403

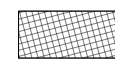
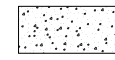
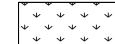
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 JAMES DEAN MAURER  
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 DOC 2009R-07362

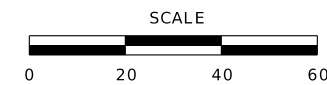
RHODES DEVELOPMENT  
 COMPANY LLC  
 2006R-12187

"PLAZA TIRE SERVICE"



LEGEND:

-  RAISED TRUCK APRON  
PIGMENTED AND TEXTURED
-  PAVED RAISED MEDIAN
-  SOD AREA

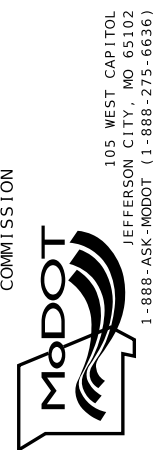


PLAN  
 SHEET 5 OF 5

DESCRIPTION

DATE

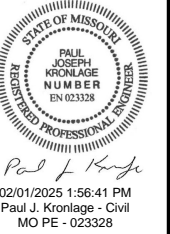
MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION



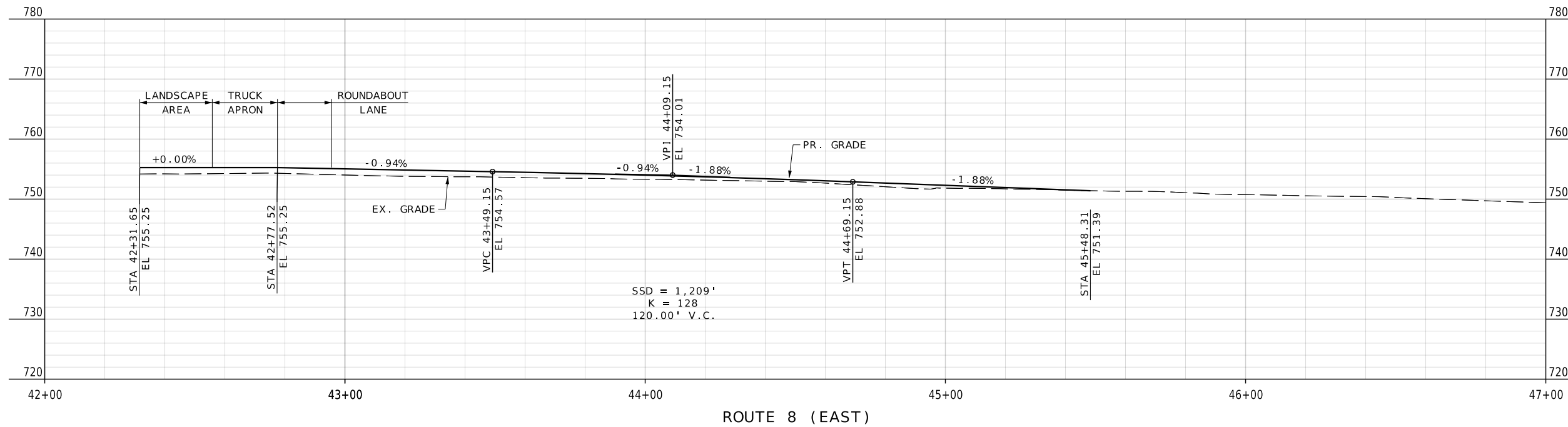
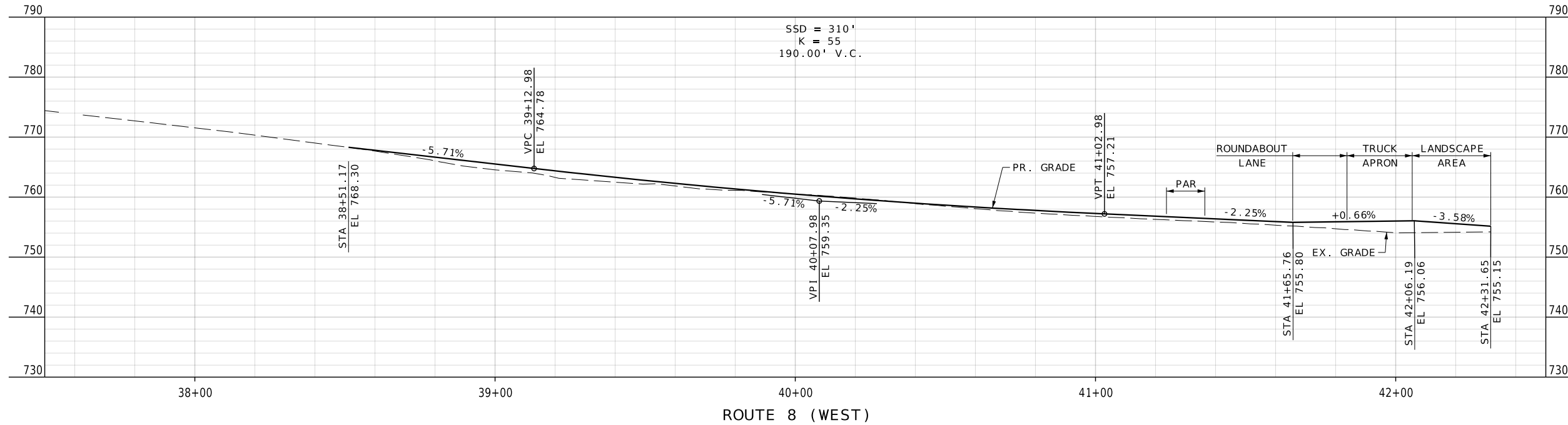
**EFK Moen**  
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 02/01/2025 1:56:41 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328



DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

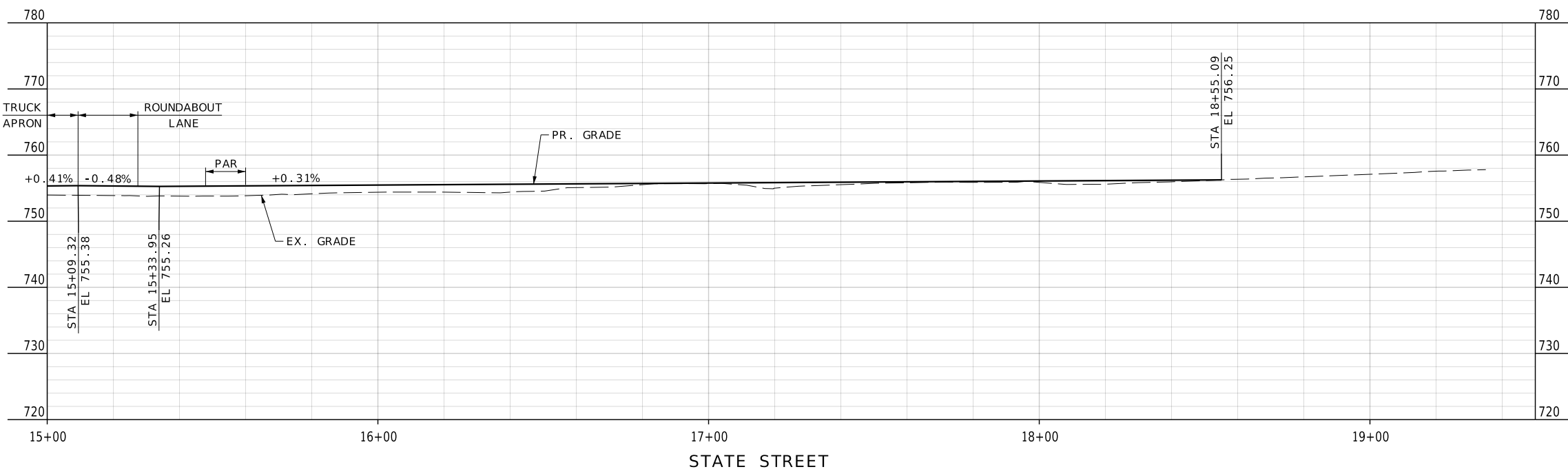
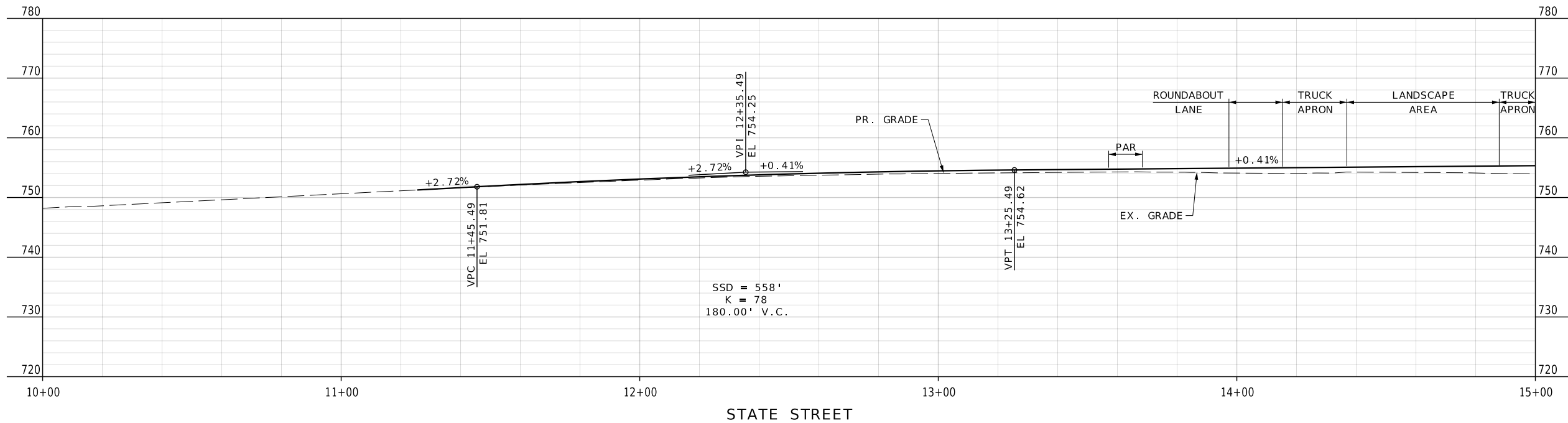
**EFK Moen**  
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 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
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PROFILE  
 SHEET 1 OF 2

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Paul J. Kronlage  
 02/01/2025 1:57:03 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328



PROFILE  
 SHEET 2 OF 2

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

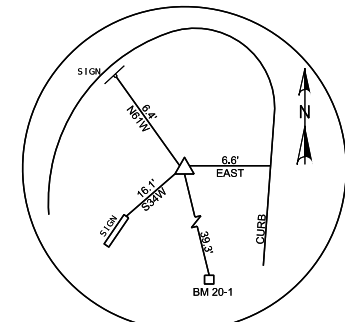
**EFK Moen**  
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 Phone 314-394-3100  
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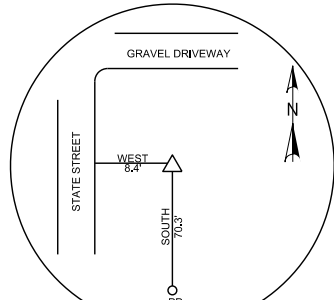


Paul J. Kronlage  
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 Paul J. Kronlage - Civil  
 MO PE - 023328

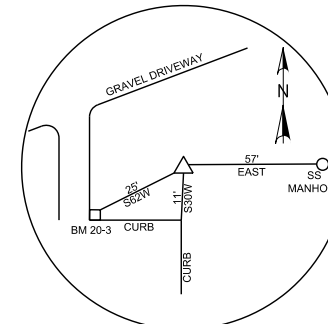
DATE PREPARED  
 1/2/2025  
 ROUTE 8 MO  
 DISTRICT SE SHEET NO. 11  
 COUNTY ST FRANCOIS  
 JOB NO. J9P3448  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.



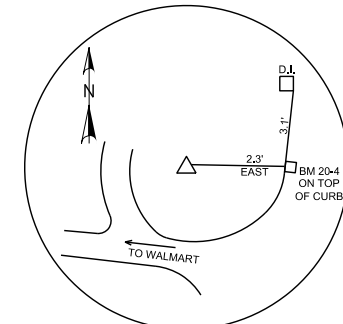
CONTROL POINT 101  
 5/8" REBAR MODOT CAP  
 N: 745479.7650  
 E: 816956.0140  
 EL: 755.22



CONTROL POINT 102  
 COTTON PICKER SPINDLE  
 N: 744206.6480  
 E: 816755.0080  
 EL: 763.4

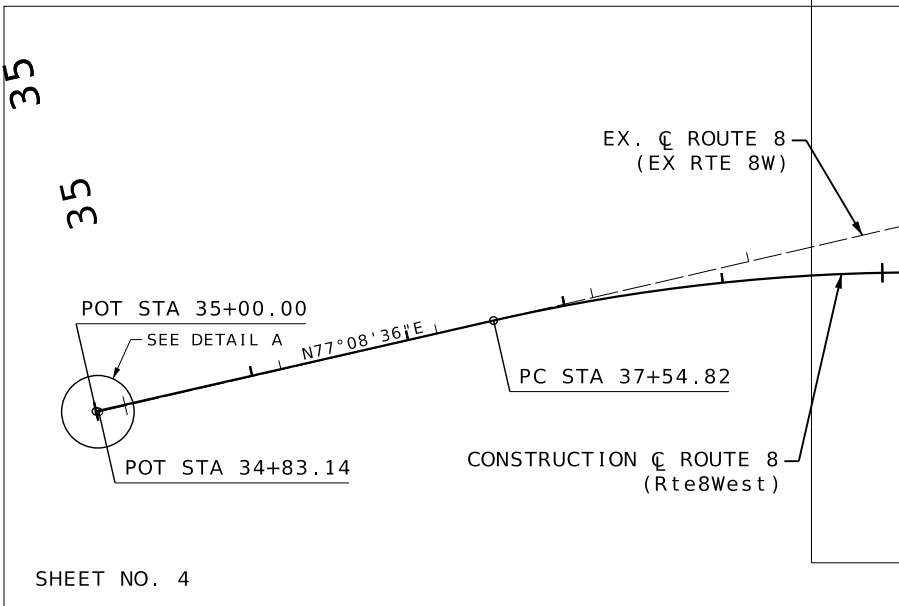
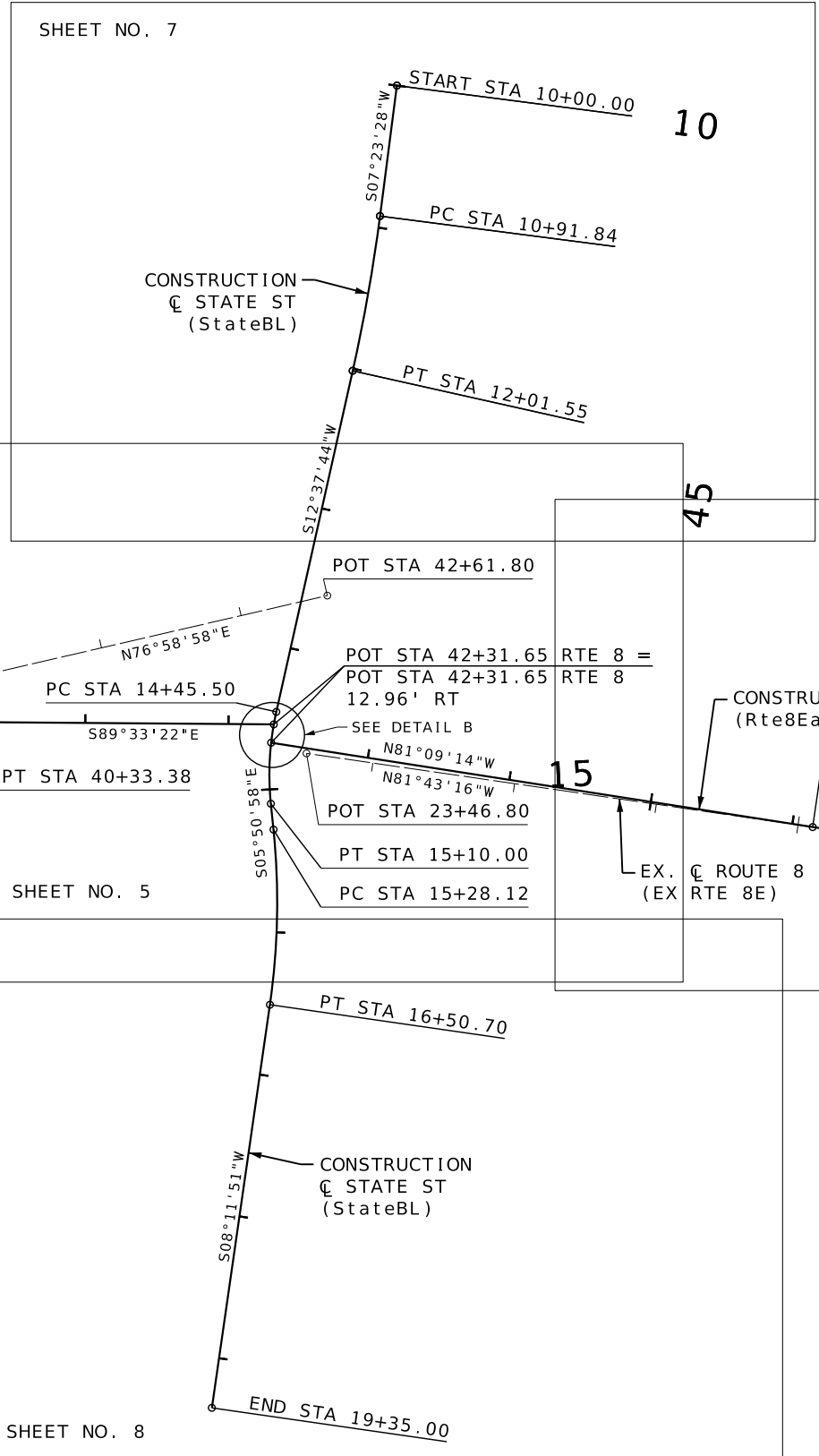


CONTROL POINT 103  
 5/8" REBAR MODOT CAP  
 N: 745439.8580  
 E: 816184.4010  
 EL: 785.23

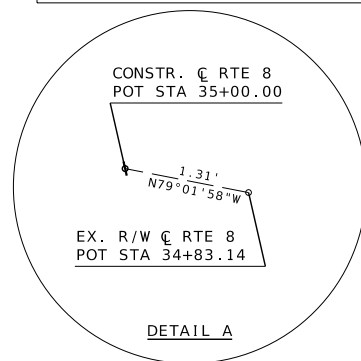


CONTROL POINT 104  
 5/8" REBAR MODOT CAP  
 N: 746183.9560  
 E: 816985.7420  
 EL: 744.80

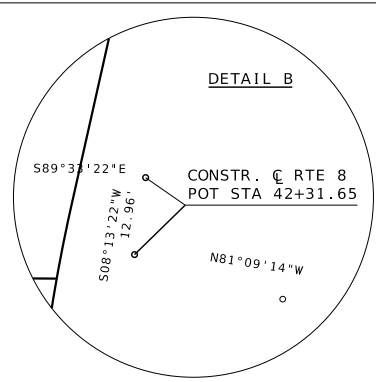
SHEET NO. 7



SHEET NO. 4



DETAIL A



DETAIL B

C ROUTE 8  
 PI 38+94.73  
 PC 37+54.82  
 PT 40+33.38  
 Δ 13°18'2.1" (RT)  
 D 4°46'28.7"  
 L 278.57' (ARC)  
 T 139.91'  
 R 1,200.00'

C STATE ST	C STATE ST	C STATE ST
PI 11+46.73	PI 14+78.03	PI 15+89.72
PC 10+91.84	PC 14+45.50	PC 15+28.12
PT 12+01.55	PT 15+10.00	PT 16+50.70
Δ 5°14'16.4" (RT)	Δ 18°28'42.6" (LT)	Δ 14°2'49.2" (RT)
D 4°46'28.7"	D 28°38'52.4"	D 11°27'33.0"
L 109.70' (ARC)	L 64.50' (ARC)	L 122.58' (ARC)
T 54.89'	T 32.53'	T 61.60'
R 1,200.00'	R 200.00'	R 500.00'

SHEET NO. 8

SHEET NO. 6

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

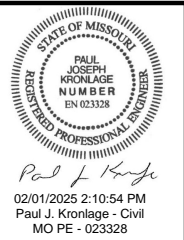


105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

REFERENCE POINT  
 SHEET 1 OF 1

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DATE PREPARED  
 12/31/2024  
 ROUTE 8 STATE MO  
 DISTRICT SE SHEET NO. 12  
 COUNTY ST. FRANCOIS  
 JOB NO. J6P3448  
 CONTRACT ID.

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

**PROJECT COORDINATE INFORMATION**

COORDINATE SYSTEM	State Plane
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	2018
ELEVATIONS DETERMINED BY	Differential Leveling
PROJECT PROJECTION FACTOR	1.00010619

**REFERENCE CONTROL INFORMATION**

COORDINATE SYSTEM	MO SPC 83 East
CONTROL STATION	MODOT BELLEVIEW CORS ARP
DESIGNATION	
CORS_ID	MOBW
PID	DL6310
LATITUDE	37 42 17.74190
LONGITUDE	090 44 38.61635
NORTHING (M)	207,711.3490
EASTING (M)	228,479.4100
ZONE	East
PROJECT AVERAGE GRID FACTOR	0.99989382

**EXAMPLE OF PROJECT COORDINATE TO S.P.C.**

PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING  
 PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING

EXAMPLE: CONTROL POINT # 101\_\_  
 N 745479.785 X .99989382 = N 745400.630  
 E 816956.0140 X .99989382 = E 816869.2696

**LINEAR UNIT CONVERSION**  
 1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
<b>PROJECT CONTROL POINTS</b>								
11	43+01.27	ROUTE 8	56.49' RT	745479.7850	816956.0140	755.22	5/8" REBAR MODOT CAP	101
11	42+98.44	ROUTE 8	1345.40' RT	744,206.6460	816755.0080	783.40	COTTON PICKER SPINDLE	102
11	35+01.83	ROUTE 8	35.36' RT	745439.8580	816184.4010	785.23	5/8" REBAR MODOT CAP	103
11	42+31.65	ROUTE 8	643.87' LT	746183.9560	816985.7420	744.80	5/8" REBAR MODOT CAP	104
11	15+73.00	STATE STREET	46.58' LT	745441.5840	816946.8700	755.40	CHISLED SQ ON CURB	BM 20-1
11		STATE STREET		744135.8640	816756.2730	786.23	SPIKE NW FACE POLE	BM 20-2
11	34+77.50	ROUTE 8	22.49' RT	745428.1180	816162.1440	786.56	CHISLED SQ ON CURB	BM 20-3
11		STATE STREET		746183.7490	816988.0640	749.75	CHISLED SQ ON CURB	BM 20-4
<b>ALIGNMENTS</b>								
11	35+00.00	ROUTE 8	CL	745473.9288	816174.7618		BEGINNING	
11	37+54.82	ROUTE 8	CL	745530.6287	816423.1899		PC	
11	38+94.73	ROUTE 8	CL	745561.7610	816559.5946		PI	
11	40+33.38	ROUTE 8	CL	745560.6770	816699.5026		PT	
11	42+31.65	ROUTE 8	CL	745559.1409	816897.7605		INTERSECTION STATE ST	
11	42+31.65	ROUTE 8	CL	745546.3124	816895.9067		EQUATION	
11	46+14.33	ROUTE 8	CL	745487.4640	817274.0302		POT	
11	51+03.98	ROUTE 8	CL	745416.9579	817758.5826		END	
11	10+00.00	STATE STREET	CL	746004.9876	816983.7251		BEGINNING	
11	10+91.84	STATE STREET	CL	745913.9058	816971.9101		PC	
11	11+46.73	STATE STREET	CL	745859.4725	816964.8491		PI	
11	12+01.55	STATE STREET	CL	745805.9111	816952.8483		PT	
11	14+45.50	STATE STREET	CL	745567.8649	816899.5123		PC	
11	15+10.00	STATE STREET	CL	745503.7543	816895.7150		PT	
11	15+28.12	STATE STREET	CL	745485.7252	816897.5621		PC	
11	15+89.72	STATE STREET	CL	745424.4455	816903.8402		PI	
11	16+50.70	STATE STREET	CL	745363.4744	816895.0569		PT	
11	19+35.00	STATE STREET	CL	745082.0813	816854.5202		END	

DESCRIPTION

DATE

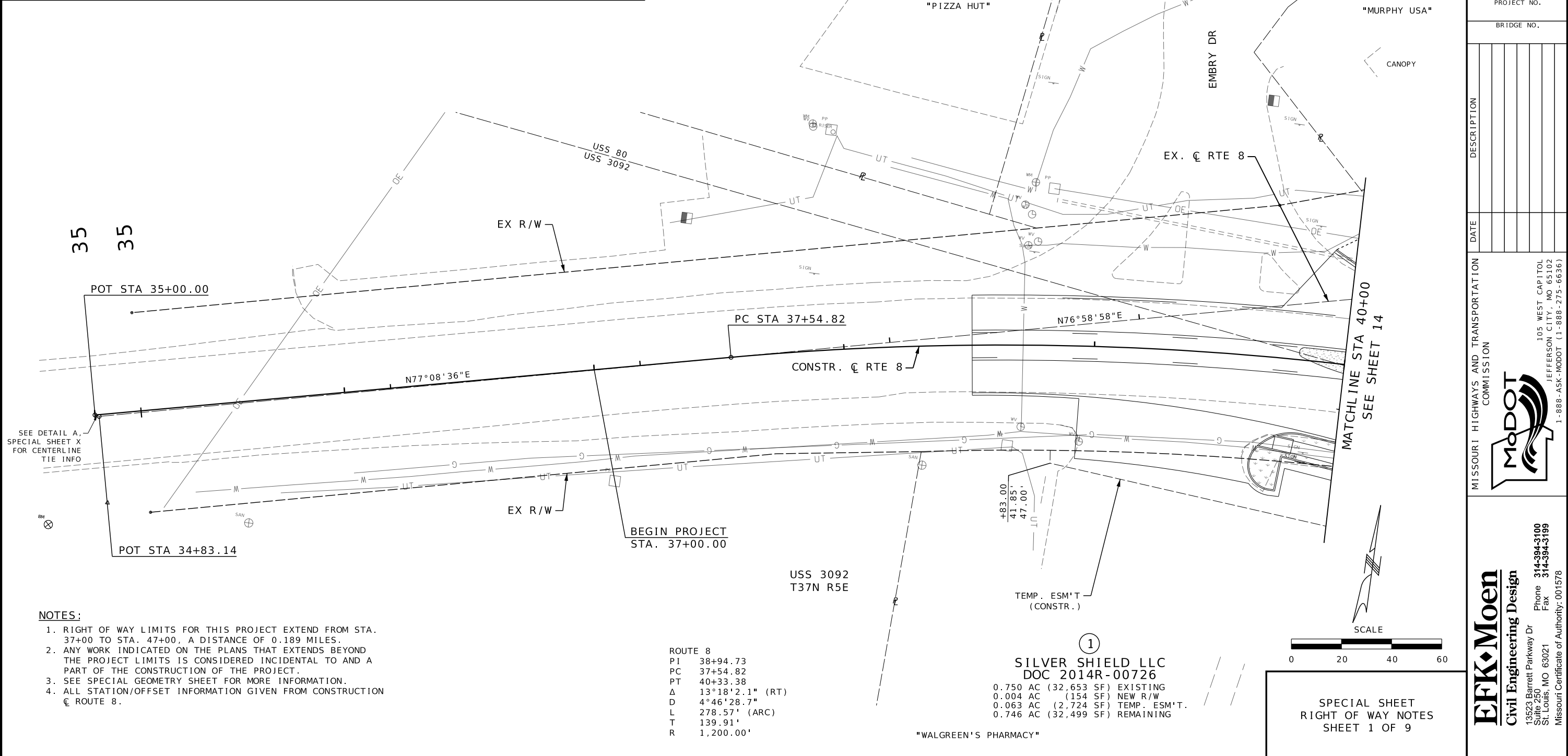
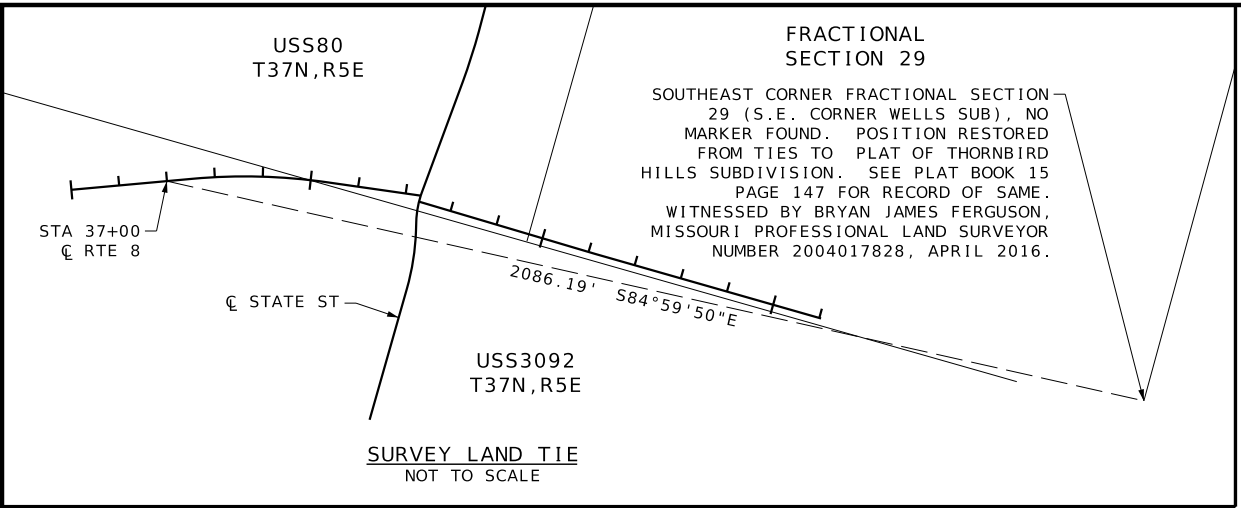
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
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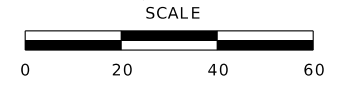
COORDINATE POINTS  
 SHEET 1 OF 1



- NOTES:
- RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 37+00 TO STA. 47+00, A DISTANCE OF 0.189 MILES.
  - ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THE PROJECT.
  - SEE SPECIAL GEOMETRY SHEET FOR MORE INFORMATION.
  - ALL STATION/OFFSET INFORMATION GIVEN FROM CONSTRUCTION C RTE 8.

ROUTE 8	
P1	38+94.73
PC	37+54.82
PT	40+33.38
Δ	13°18'2.1" (RT)
D	4°46'28.7"
L	278.57' (ARC)
T	139.91'
R	1,200.00'

SILVER SHIELD LLC  
DOC 2014R-00726  
0.750 AC (32,653 SF) EXISTING  
0.004 AC (154 SF) NEW R/W  
0.063 AC (2,724 SF) TEMP. ESM'T.  
0.746 AC (32,499 SF) REMAINING



SPECIAL SHEET  
RIGHT OF WAY NOTES  
SHEET 1 OF 9

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Paul J. Kronlage  
02/01/2025 1:57:24 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED	
1/21/2025	
ROUTE	STATE
8	MO
DISTRICT	SHEET NO.
SE	13
COUNTY	
ST FRANCOIS	
JOB NO.	
J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

USS 80  
T37N R5E

STATE STREET  
 PI 14+78.03  
 PC 14+45.50  
 PT 15+10.00  
 Δ 18°28'42.6" (LT)  
 D 28°38'52.4"  
 L 64.50' (ARC)  
 T 32.53'  
 R 200.00'

STATE STREET  
 PI 15+89.72  
 PC 15+28.12  
 PT 16+50.70  
 Δ 14°2'49.2" (RT)  
 D 11°27'33.0"  
 L 122.58' (ARC)  
 T 61.60'  
 R 500.00'

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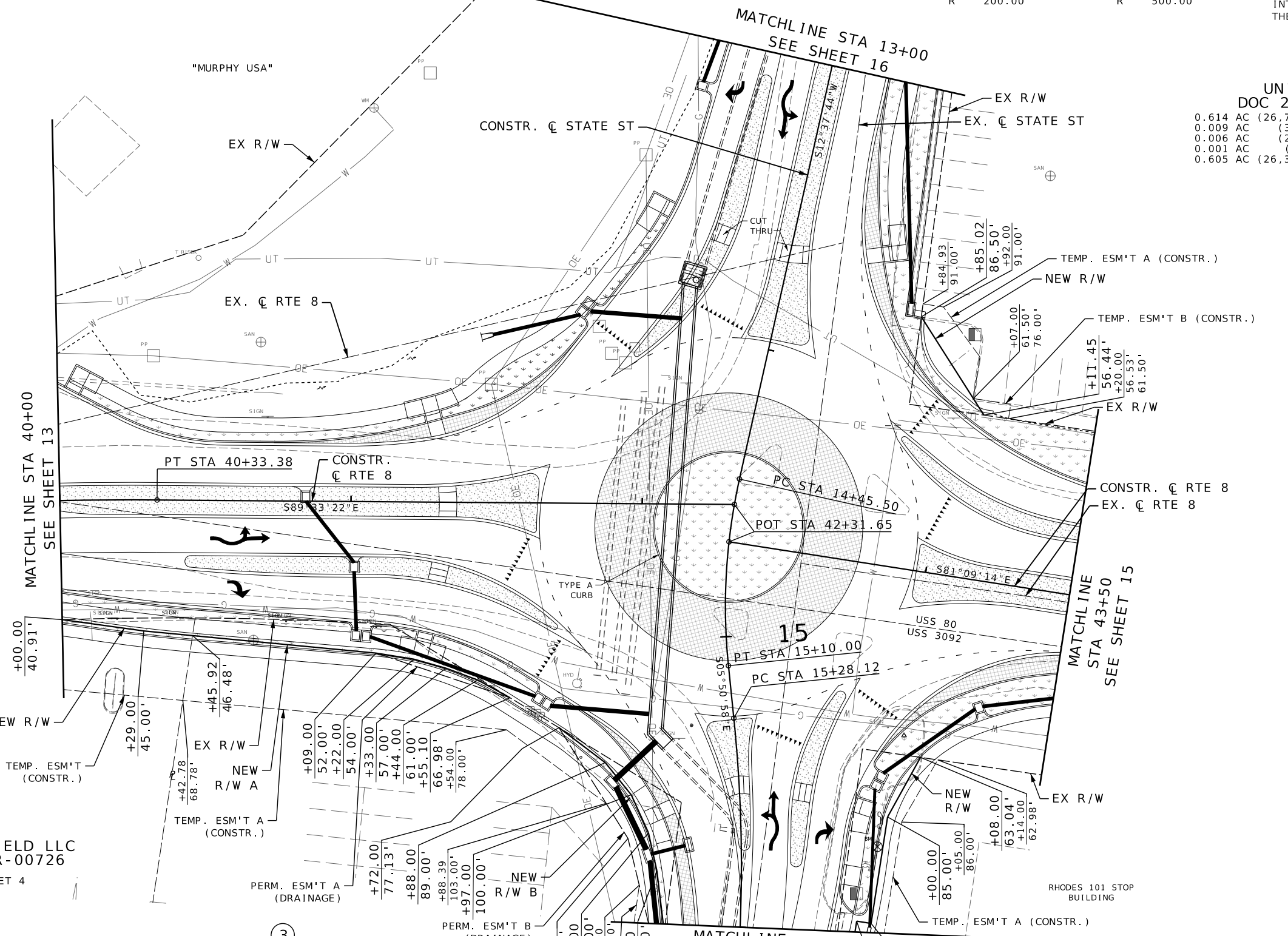


*Paul J. Kronlage*  
 02/01/2025 1:57:49 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

②

UNICO BANK  
 DOC 2006R-08662

0.614 AC (26,759 SF) EXISTING  
 0.009 AC (392 SF) NEW R/W  
 0.006 AC (261 SF) TEMP. ESM'T. A  
 0.001 AC (54 SF) TEMP. ESM'T. B  
 0.605 AC (26,367 SF) REMAINING

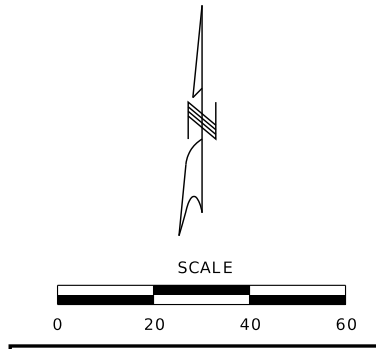


①  
 SILVER SHIELD LLC  
 DOC 2014R-00726  
 SEE SHEET 4

③  
 DESLOGE PLAZA LLC  
 DOC 2023R-00403  
 2.677 AC (116,608 SF) EXISTING  
 0.017 AC (729 SF) NEW R/W A  
 0.010 AC (442 SF) NEW R/W B  
 0.002 AC (84 SF) PERM. ESM'T A  
 0.012 AC (515 SF) PERM. ESM'T B  
 0.059 AC (2,551 SF) TEMP. ESM'T. A  
 0.052 AC (2,252 SF) TEMP. ESM'T. B  
 0.016 AC (700 SF) TEMP. ESM'T. C  
 2.650 AC (115,437 SF) REMAINING

USS 3092  
 T37N R5E

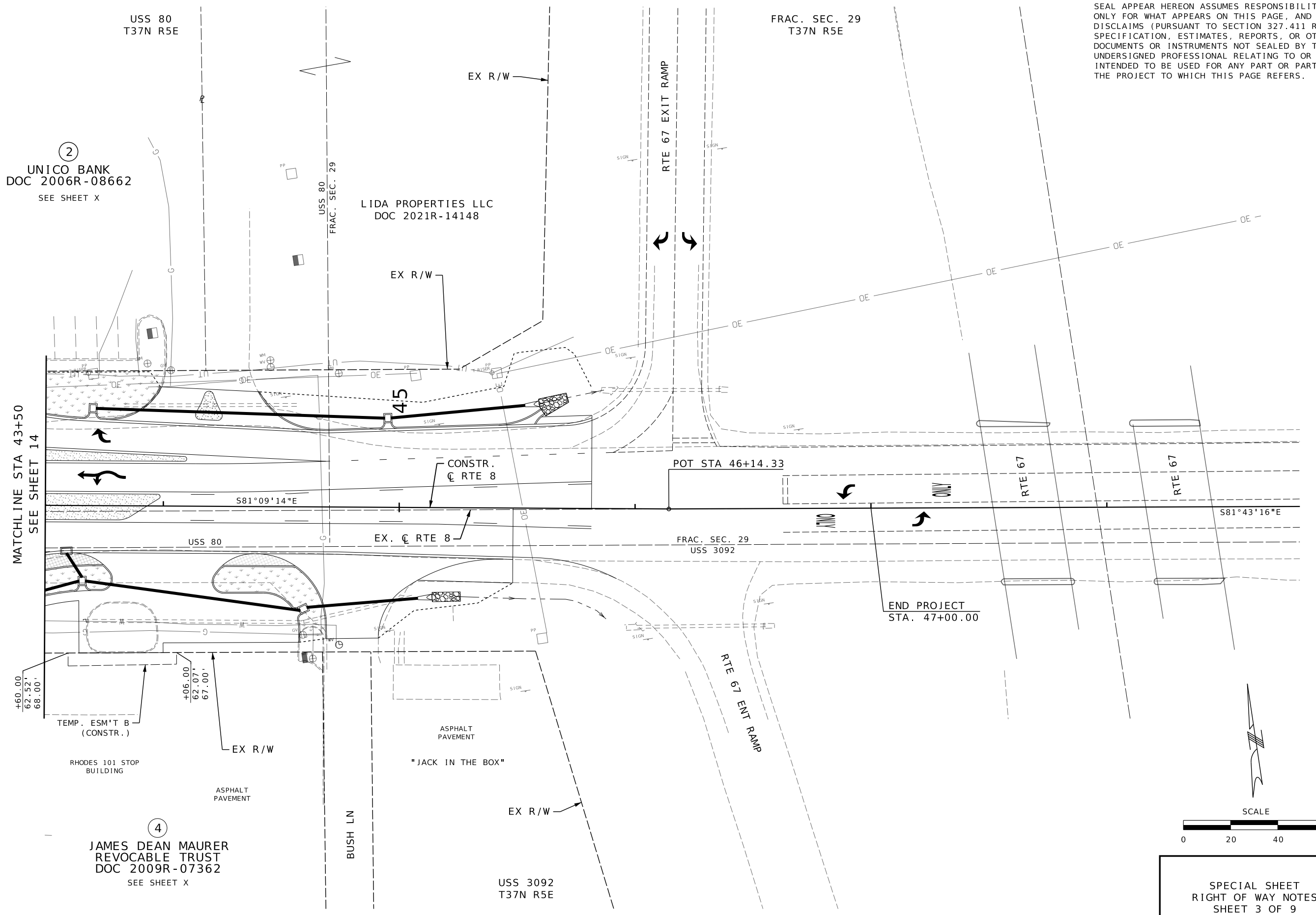
④  
 JAMES DEAN MAURER  
 REVOCABLE TRUST  
 DOC 2009R-07362  
 0.813 AC (35,434 SF) EXISTING  
 0.022 AC (714 SF) NEW R/W  
 0.023 AC (1,011 SF) TEMP. ESM'T. A  
 0.006 AC (240 SF) TEMP. ESM'T. B  
 0.791 AC (34,720 SF) REMAINING



SPECIAL SHEET  
 RIGHT OF WAY NOTES  
 SHEET 2 OF 9

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE PREPARED	1/21/2025
	ROUTE	8
	STATE	MO
	DISTRICT	SE
	SHEET NO.	14
	COUNTY	ST FRANCOIS
	JOB NO.	J9P3448
	CONTRACT ID.	
	PROJECT NO.	
	BRIDGE NO.	
DESCRIPTION		
DATE		
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)		
Civil Engineering Design 13523 Barrett Parkway Dr Suite 250 St. Louis, MO 63021 Phone 314-394-3100 Fax 314-394-3199 Missouri Certificate of Authority: 001578		





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Paul J. Kronlage  
 02/01/2025 1:58:11 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
1/21/2025

ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 15
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

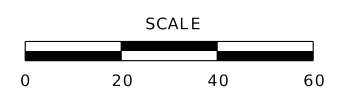
**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

MATCHLINE STA 43+50  
SEE SHEET 14

(2)  
UNICO BANK  
DOC 2006R-08662  
SEE SHEET X

LIDA PROPERTIES LLC  
DOC 2021R-14148

(4)  
JAMES DEAN MAURER  
REVOCABLE TRUST  
DOC 2009R-07362  
SEE SHEET X

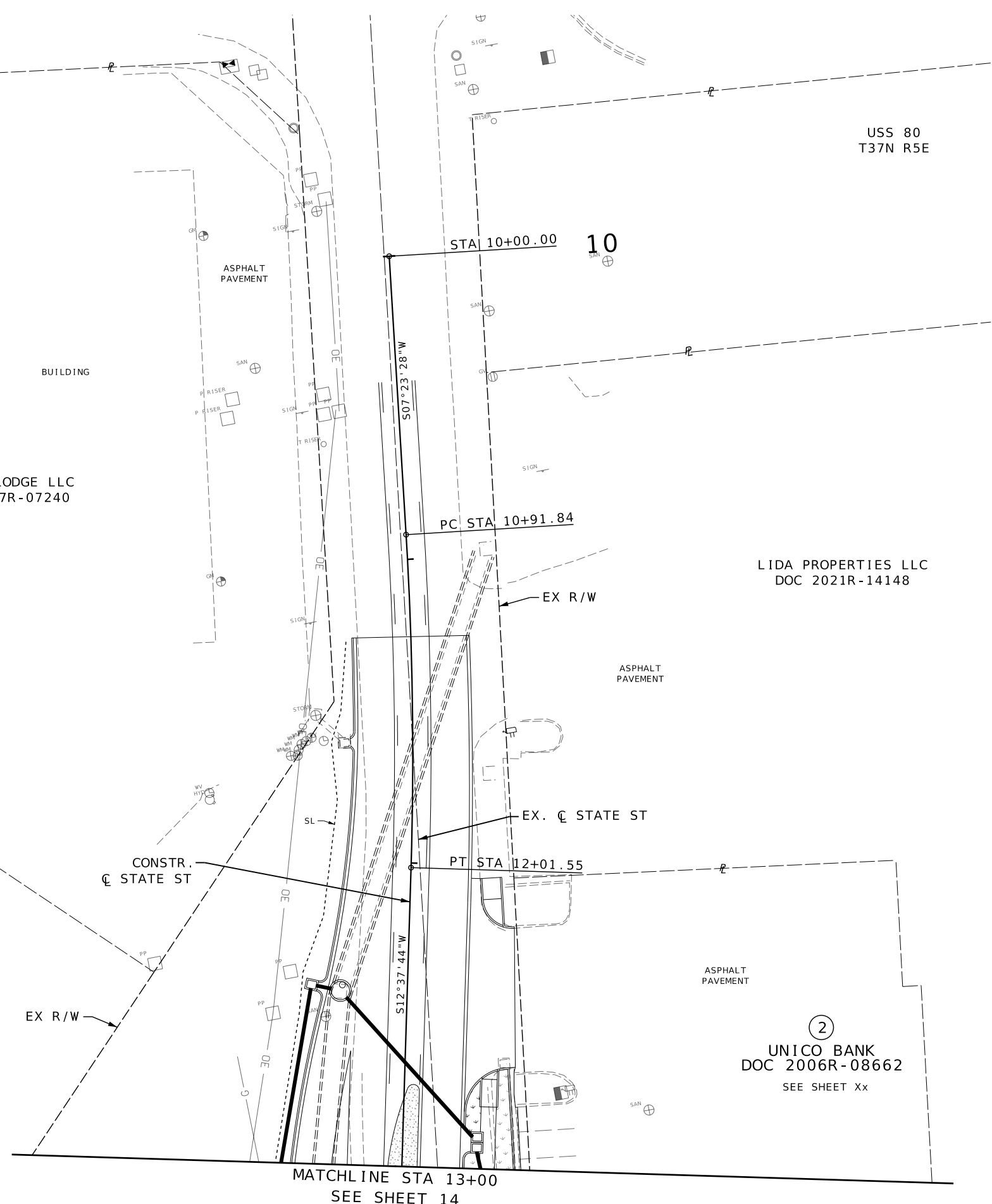


SPECIAL SHEET  
RIGHT OF WAY NOTES  
SHEET 3 OF 9

STATE ST  
 PI 11+46.73  
 PC 10+91.84  
 PT 12+01.55  
 Δ 5°14'16.4" (RT)  
 D 4°46'28.7"  
 L 109.70' (ARC)  
 T 54.89'  
 R 1,200.00'

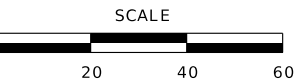
MRP DESLODGE LLC  
 DOC 2017R-07240

MURPHY OIL  
 BK 1649 PG 1628  
 "MURPHY USA"



MATCHLINE STA 13+00  
 SEE SHEET 14

②  
 UNICO BANK  
 DOC 2006R-08662  
 SEE SHEET Xx



SPECIAL SHEET  
 RIGHT OF WAY NOTES  
 SHEET 4 OF 9

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Paul J. Kronlage  
 02/01/2025 1:58:40 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED		1/21/2025	
ROUTE	STATE	8	MO
DISTRICT	SHEET NO.	SE	16
COUNTY			
ST FRANCOIS			
JOB NO.			
J9P3448			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

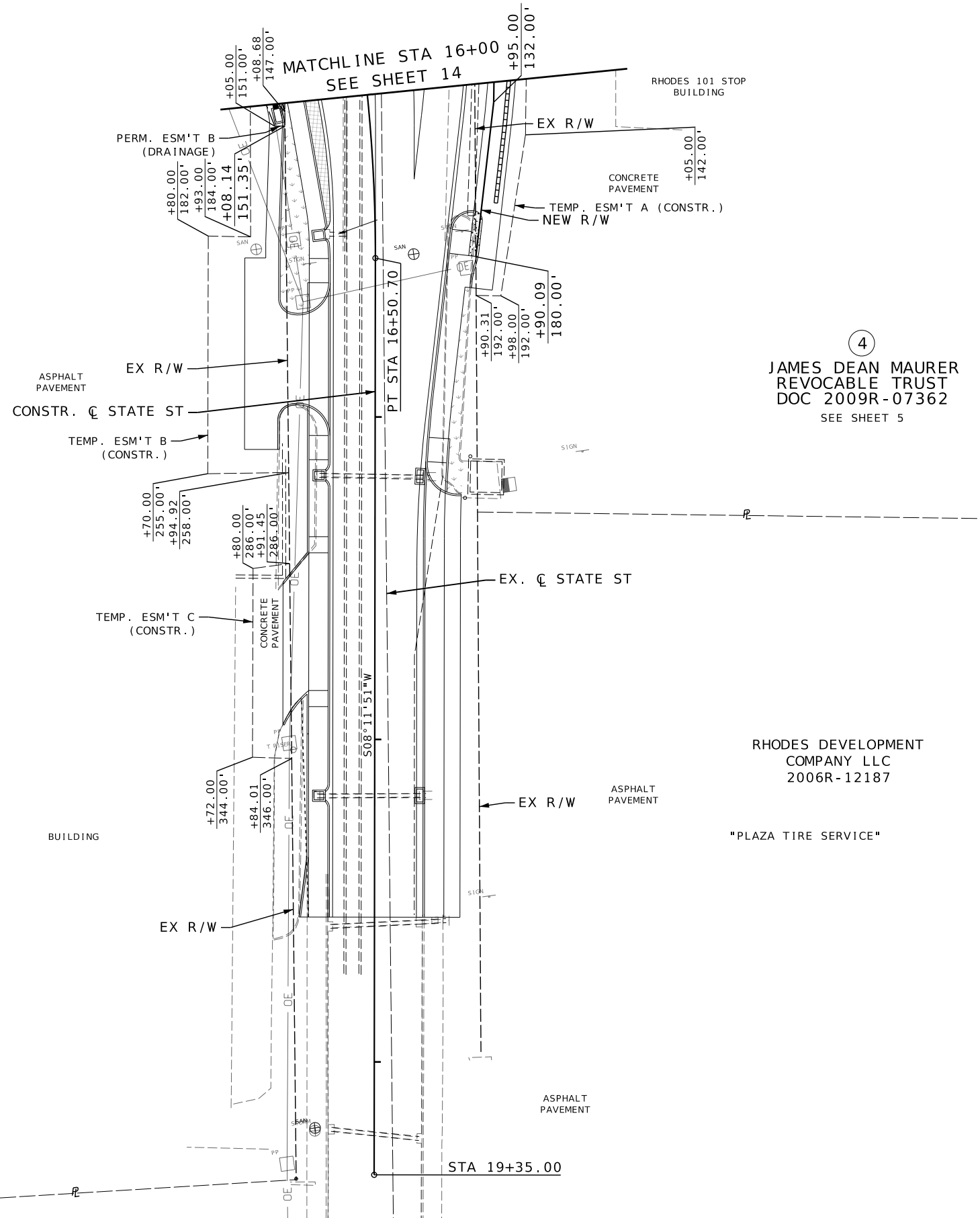
MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

USS 3092  
T37N R5E

③  
DESLOGE PLAZA LLC  
DOC 2023R-00403  
SEE SHEET 5



④  
JAMES DEAN MAURER  
REVOCABLE TRUST  
DOC 2009R-07362  
SEE SHEET 5

RHODES DEVELOPMENT  
COMPANY LLC  
2006R-12187

"PLAZA TIRE SERVICE"

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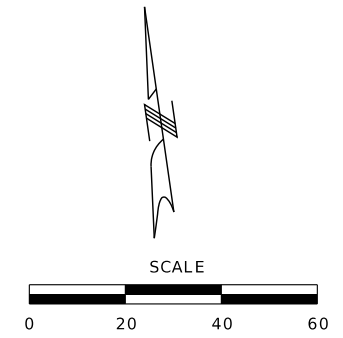
Paul J. Kronlage  
02/01/2025 1:59:04 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED	1/21/2025	
ROUTE	8	STATE MO
DISTRICT	SE	SHEET NO. 17
COUNTY	ST FRANCOIS	
JOB NO.	J9P3448	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



SPECIAL SHEET  
RIGHT OF WAY NOTES  
SHEET 5 OF 9


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Civil Engineering Design  
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St. Louis, MO 63021  
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**PAUL JOSEPH KRONLAGE**  
 ENGINEER  
 STATE OF MISSOURI  
 NUMBER  
 EN 03328  
 Paul J. Kronlage  
 02/01/2025 1:59:28 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

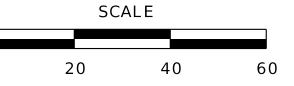
DATE PREPARED	1/21/2025
ROUTE	8
STATE	MO
DISTRICT	SE
SHEET NO.	18
COUNTY	ST FRANCOIS
JOB NO.	J9P3448
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



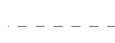

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

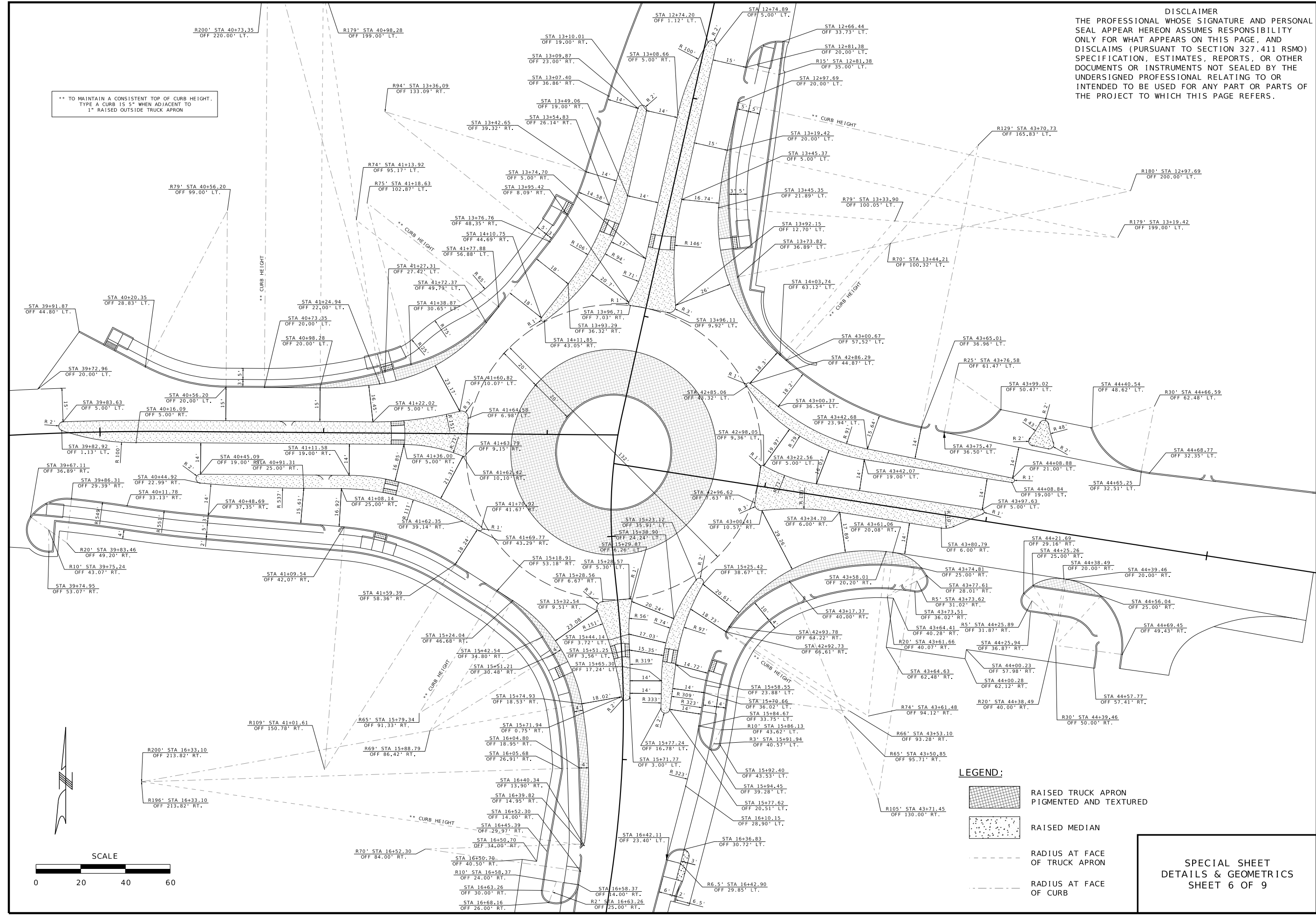
**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

\*\* TO MAINTAIN A CONSISTENT TOP OF CURB HEIGHT, TYPE A CURB IS 5" WHEN ADJACENT TO 1" RAISED OUTSIDE TRUCK APRON

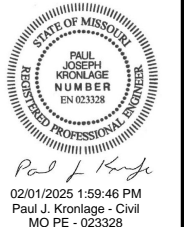


- LEGEND:
-  RAISED TRUCK APRON PIGMENTED AND TEXTURED
  -  RAISED MEDIAN
  -  RADIUS AT FACE OF TRUCK APRON
  -  RADIUS AT FACE OF CURB

SPECIAL SHEET  
 DETAILS & GEOMETRICS  
 SHEET 6 OF 9



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DATE PREPARED  
 1/21/2025

ROUTE STATE  
 8 MO  
 DISTRICT SHEET NO.  
 SE 19

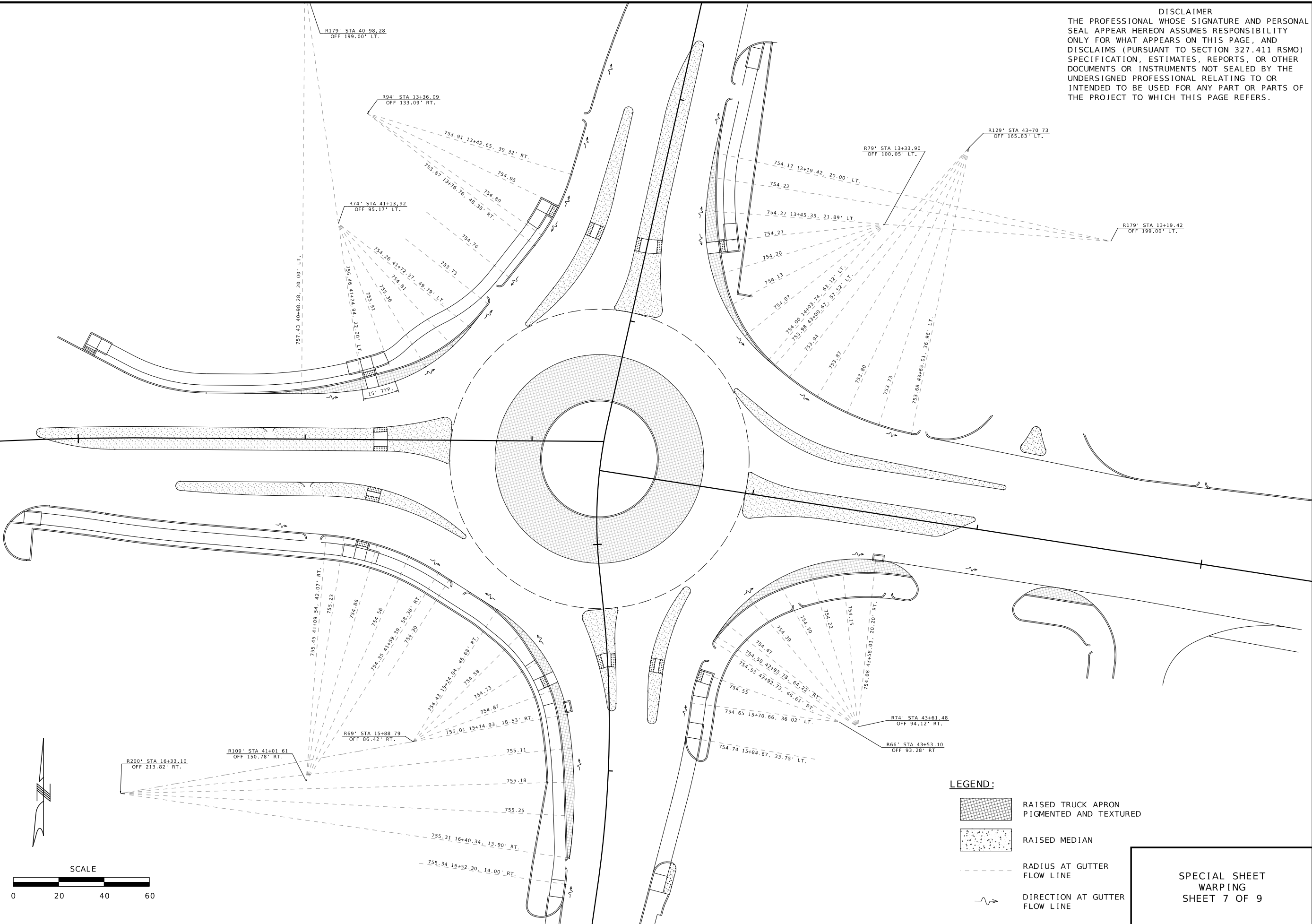
COUNTY  
 ST FRANCOIS  
 JOB NO.  
 J9P3448  
 CONTRACT ID.

PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

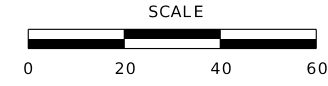
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

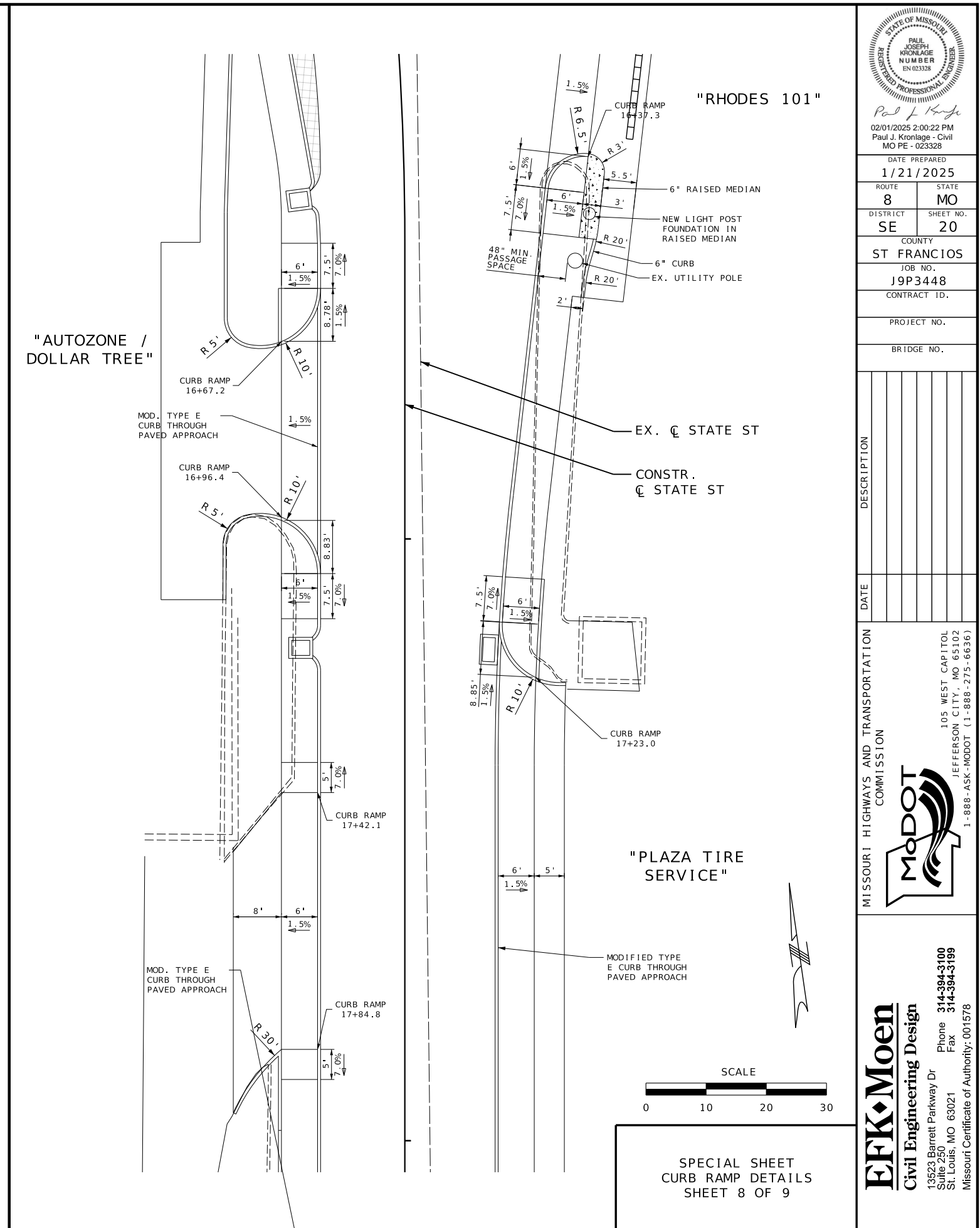
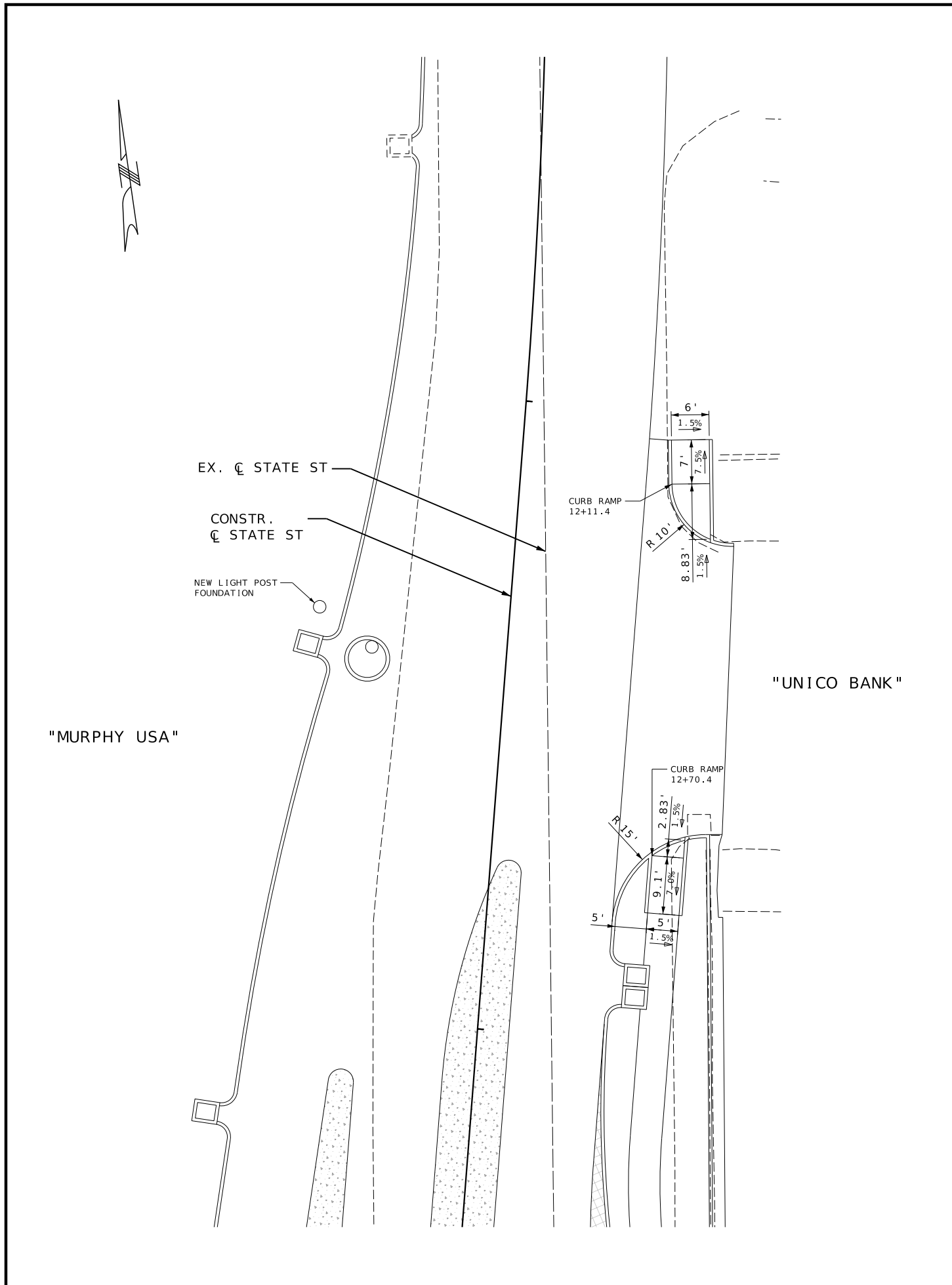
**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578



- LEGEND:**
- RAISED TRUCK APRON  
PIGMENTED AND TEXTURED
  - RAISED MEDIAN
  - RADIUS AT GUTTER  
FLOW LINE
  - DIRECTION AT GUTTER  
FLOW LINE

SPECIAL SHEET  
 WARPING  
 SHEET 7 OF 9





"RHODES 101"

Paul J. Kronlage Paul J. Kronlage - Civil MO PE - 023328	
DATE PREPARED 1/21/2025	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 20
COUNTY ST FRANCIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

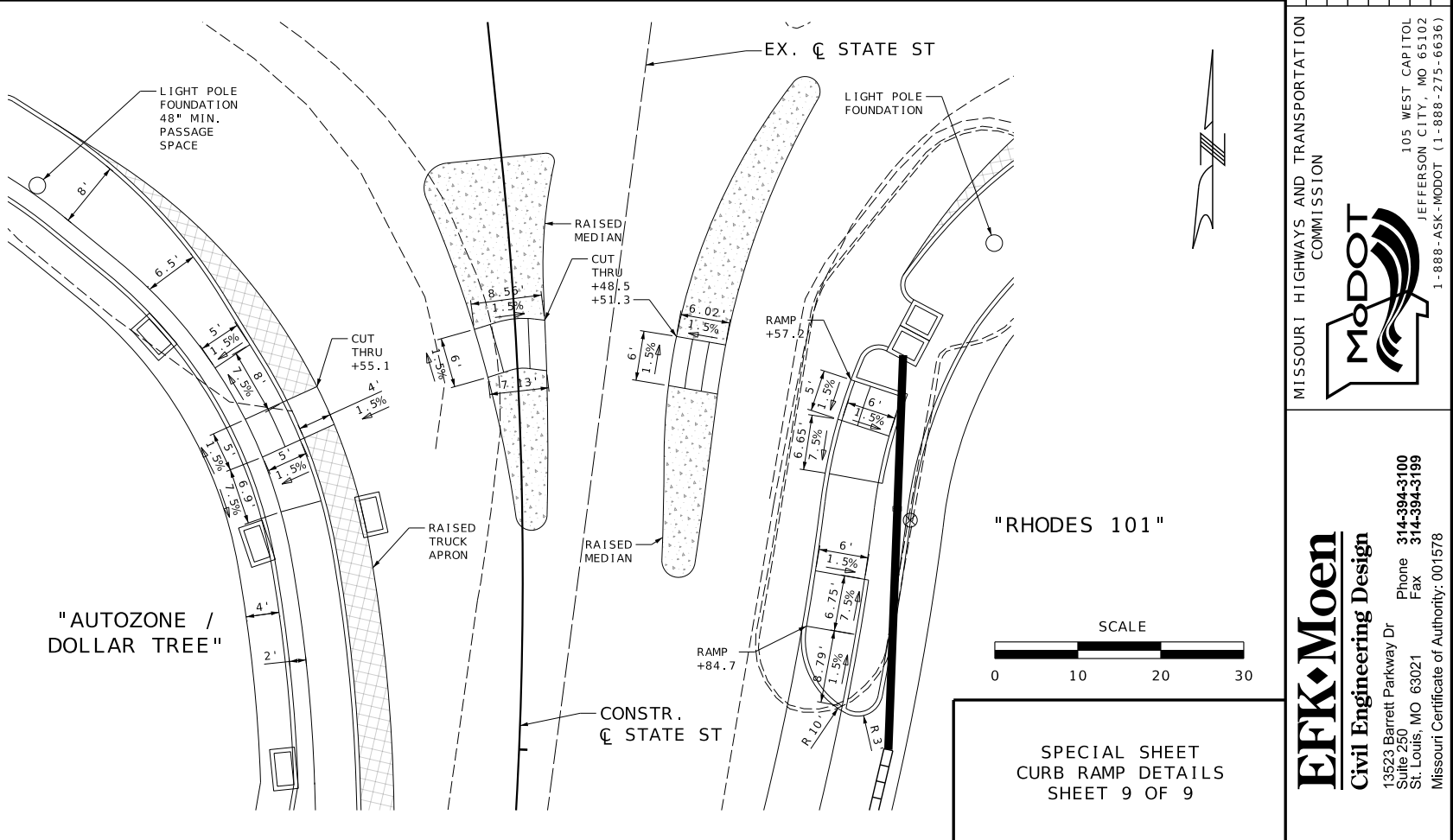
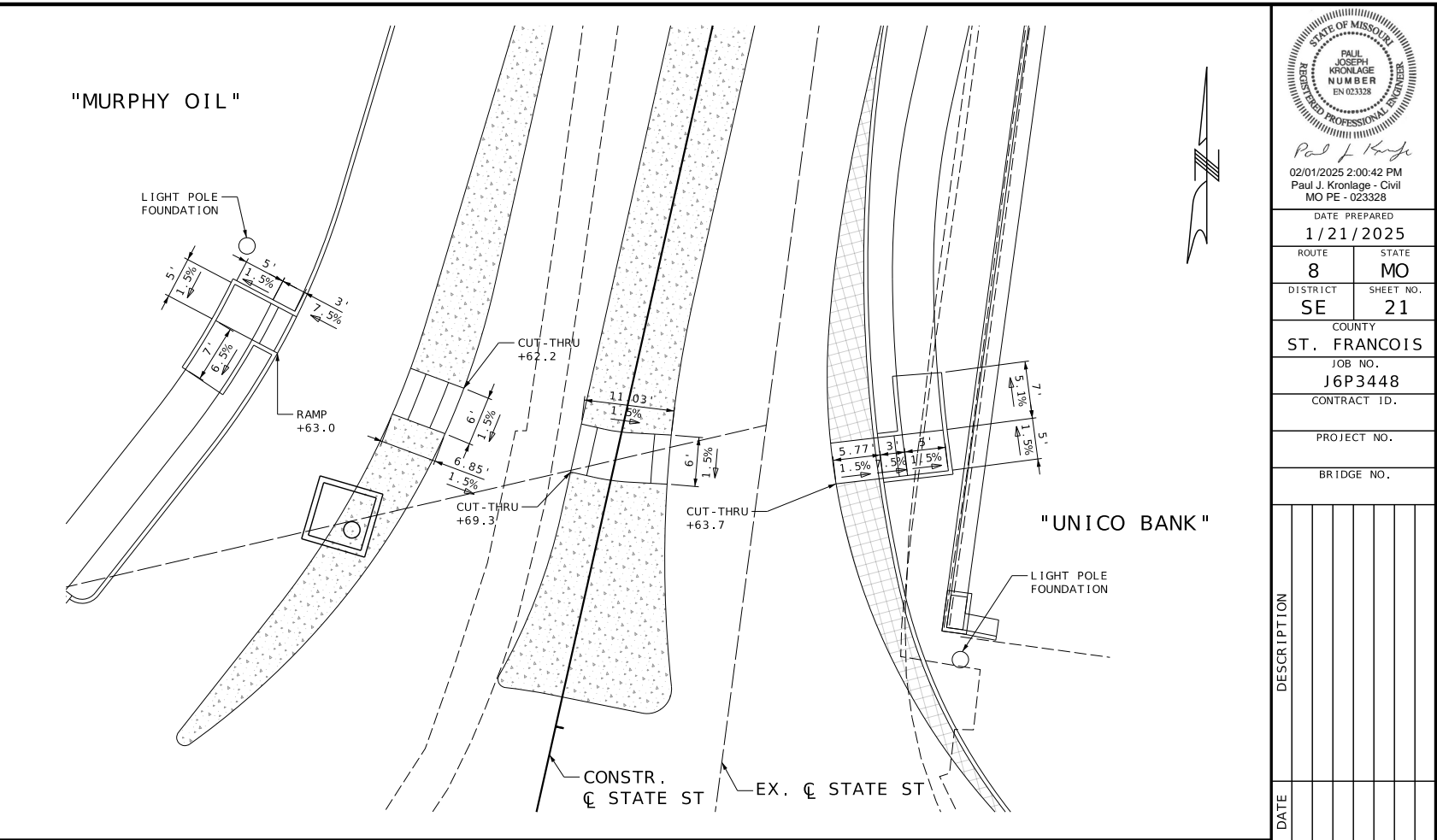
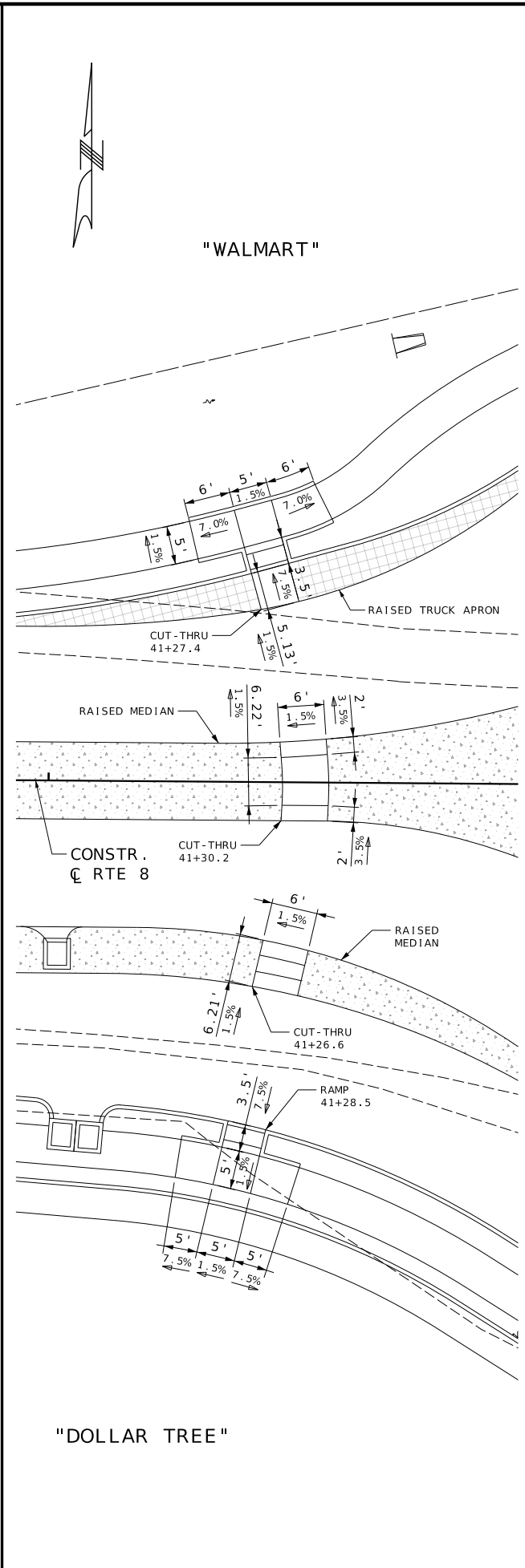
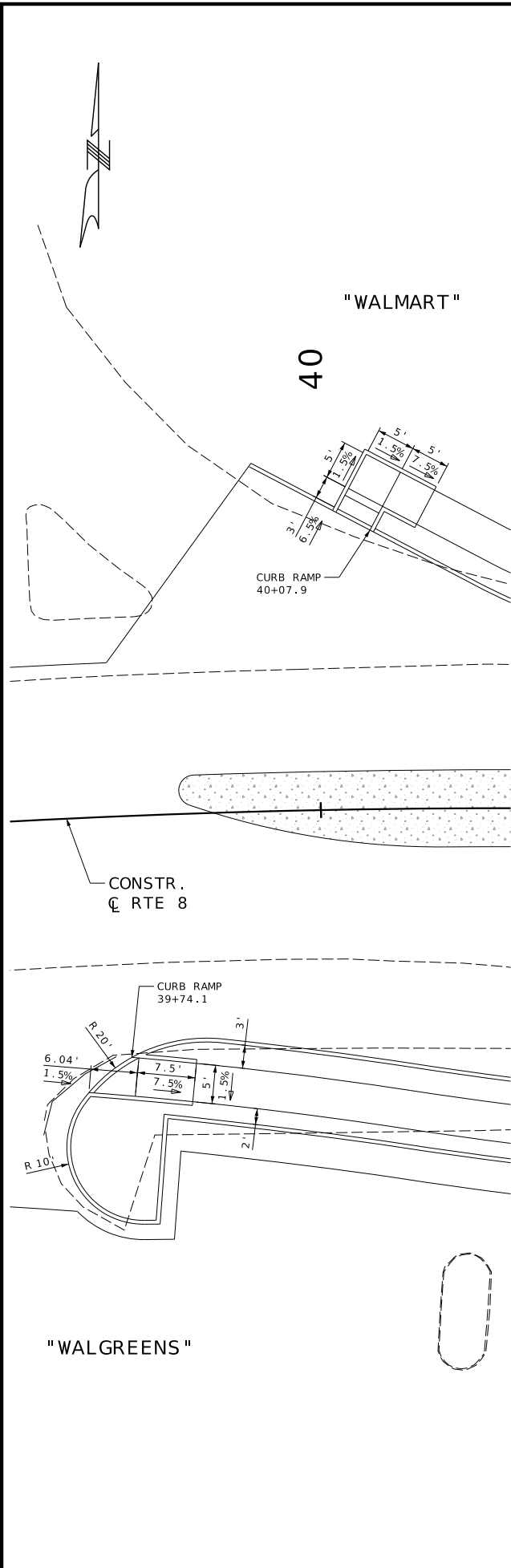
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

SPECIAL SHEET  
CURB RAMP DETAILS  
SHEET 8 OF 9



Paul J. Kronlage  
02/01/2025 2:00:42 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED	1/21/2025		
ROUTE	STATE	DISTRICT	SHEET NO.
8	MO	SE	21
COUNTY			
ST. FRANCIS			
JOB NO.			
J6P3448			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION  
**MoDOT**  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

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*Paul J. Kronlage*  
 12/30/2024 1:55:28 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 12/30/2024

ROUTE STATE  
 8 MO

DISTRICT SHEET NO.  
 SE 22

COUNTY  
 ST FRANCOIS

JOB NO.  
 J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE  
OF THE ROAD

RIGHT SIDE  
OF THE ROAD

**WORK ZONE**  
**NO PHONE**  
**ZONE**

CONST-8 (3)

62

**Roadway**  
**Improvements**

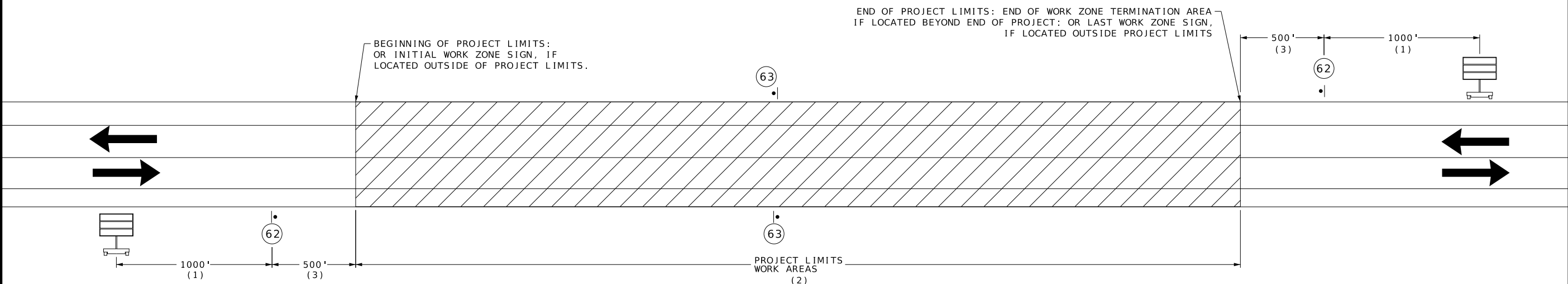


Fall 2026

CONST-5-96 (2)

63

WITH "COMPLETED AS PROMISED" STICKER



NOTES:

THE CONTRACTOR SHALL COVER OR REMOVE ANY EXISTING SIGNING OR PAVEMENT MARKING THAT CONFLICTS WITH THE TEMPORARY TRAFFIC CONTROL SIGNING AND DEVICES.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.

(3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

LEGEND



CHANGEABLE  
MESSAGE SIGN



SIGN



WORK AREA

BEGIN / END OF PROJECT SIGNING  
 NOT TO SCALE

TRAFFIC CONTROL  
 SHEET 1 OF 9

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION



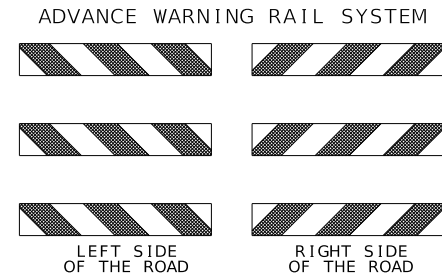
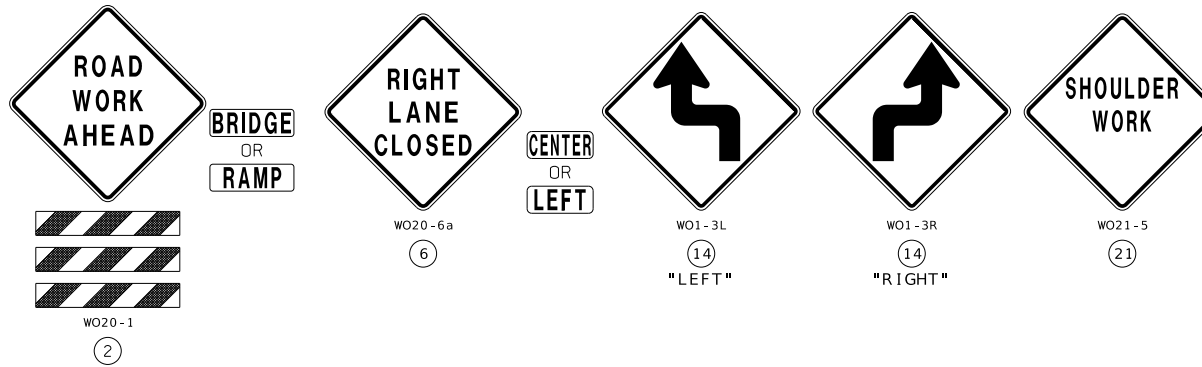
105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
**Civil Engineering Design**

13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578



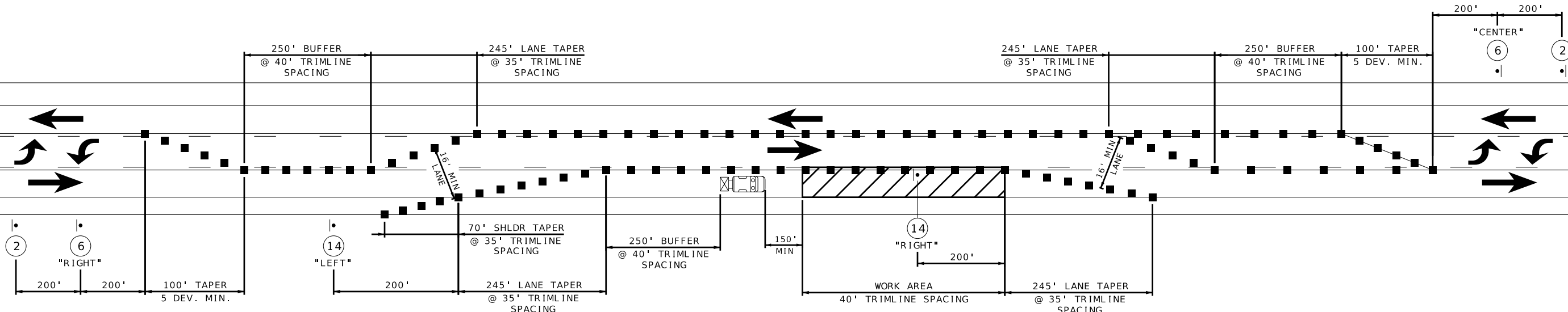
NOT TO SCALE



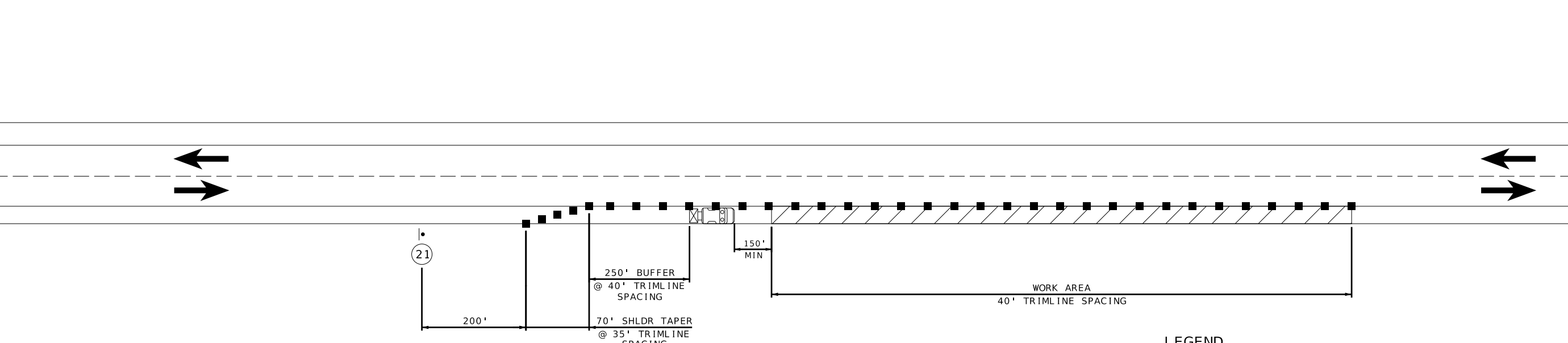
Paul J. Kronlage  
12/30/2024 1:55:59 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
12/30/2024  
ROUTE 8 STATE MO  
DISTRICT SE SHEET NO. 23  
COUNTY ST FRANCOIS  
JOB NO. J9P3448  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

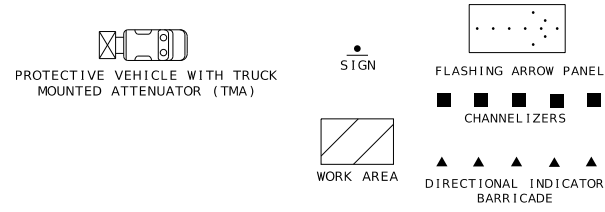


SINGLE LANE CLOSURE (LEFT OR RIGHT)



SHOULDER WORK (LEFT OR RIGHT)

LEGEND



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TRAFFIC CONTROL  
SHEET 2 OF 9

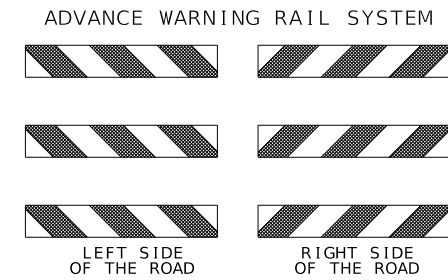
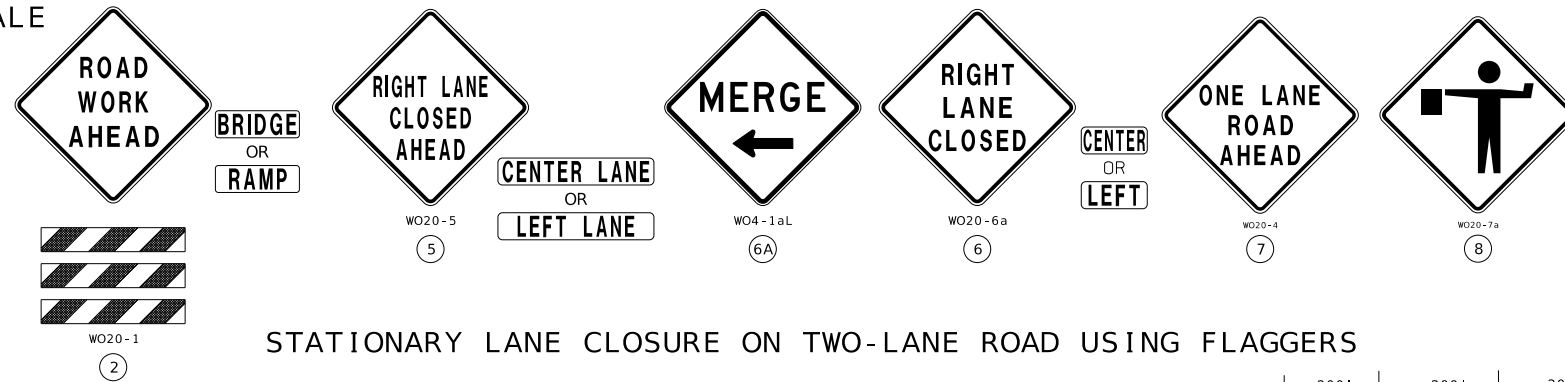
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

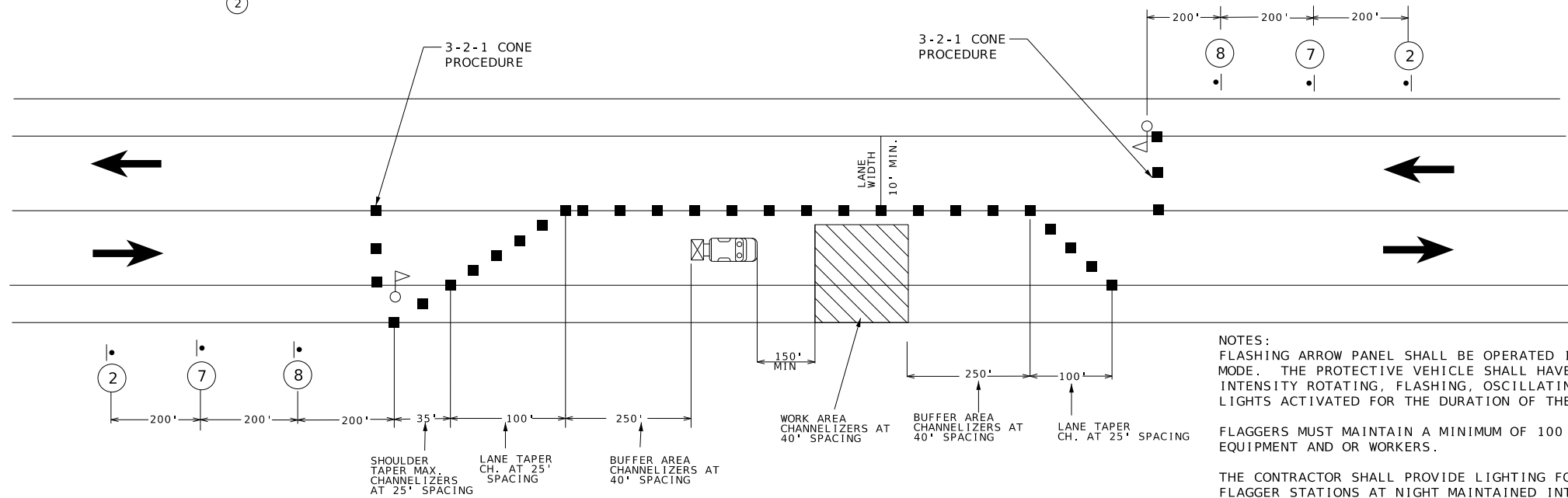
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

NOT TO SCALE



**STATIONARY LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS**



**NOTES:**  
 FLASHING ARROW PANEL SHALL BE OPERATED IN 'CAUTION' MODE. THE PROTECTIVE VEHICLE SHALL HAVE HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE.  
 FLAGGERS MUST MAINTAIN A MINIMUM OF 100 FT FROM EQUIPMENT AND OR WORKERS.

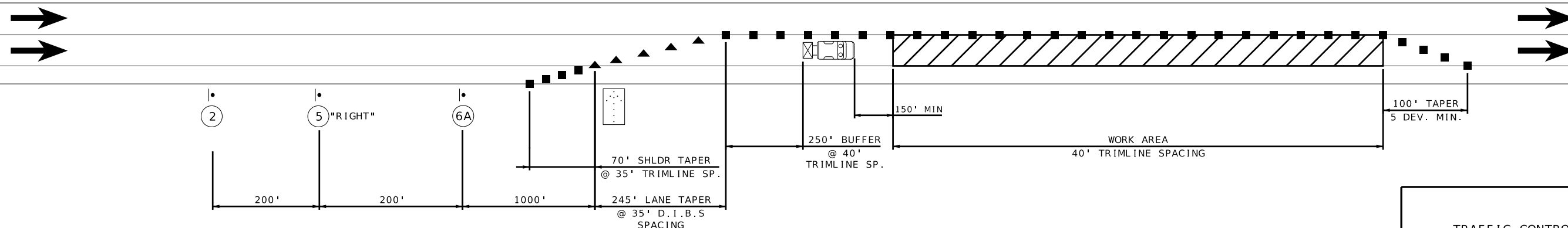
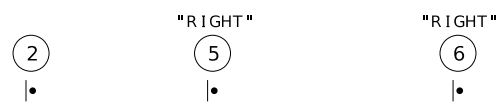
THE CONTRACTOR SHALL PROVIDE LIGHTING FOR THE FLAGGER STATIONS AT NIGHT MAINTAINED INTENSITY OF 0.6 FOOTCANDLES.

THE CONTRACTOR SHALL BE RESPONSIBLE WITH PROVIDING AND ENSURING THE FLAGGERS HAVE CURRENT FLAGGER CERTIFICATION TRAINING AS SPECIFIED IN SEC 616.  
 THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO WORK ZONE TO FIT ACTUAL FIELD CONDITIONS.

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**TRAFFIC CONTROL LEGEND**

- SIGN (SINGLE SIDED)
- ▨ WORK AREA
- ⦿ FLAGGER
- ▲ DIRECTIONAL INDICATOR
- CHANNELIZER
- E BARRICADE
- ◻ CHANGEABLE MESSAGE BOARD
- ◻ PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL
- ⋮ FLASHING ARROW PANEL



**SINGLE LANE CLOSURE (LEFT OR RIGHT)**

TRAFFIC CONTROL SHEET 3 OF 9



**PAUL J. KRONLAGE**  
 12/30/2024 1:56:14 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328  
 DATE PREPARED  
**12/30/2024**  
 ROUTE 8 STATE MO  
 DISTRICT SE SHEET NO. 24  
 COUNTY ST FRANCOIS  
 JOB NO. J9P3448  
 CONTRACT ID.

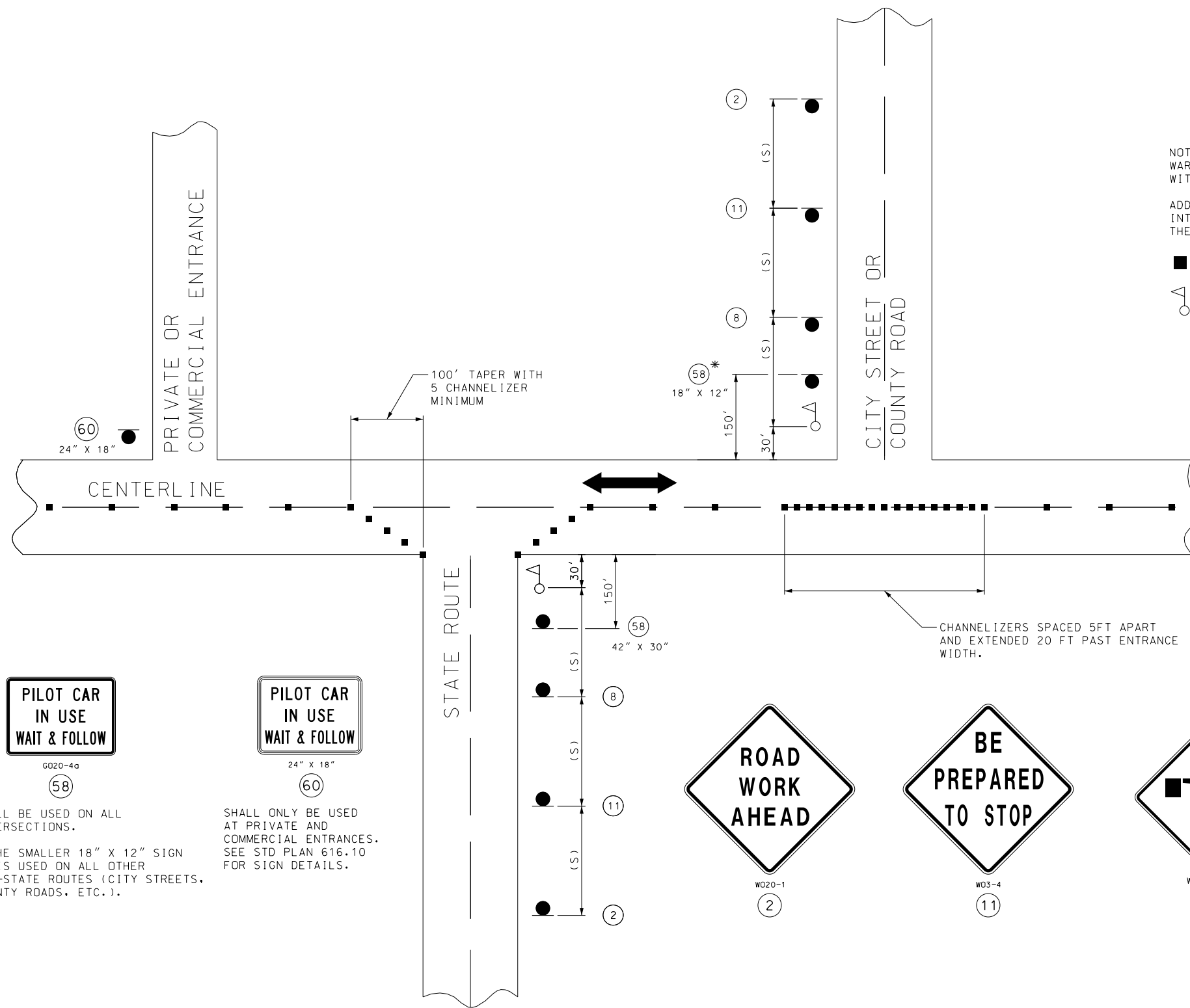
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
**MoDOT**  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
**Civil Engineering Design**  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
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NOT TO SCALE



NOTES:  
 WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

- - CHANNELIZERS (AS SPECIFIED)
- △ - FLAGGER



6020-4a  
 (58)  
 SHALL BE USED ON ALL INTERSECTIONS.

\* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).



24" X 18"  
 (60)  
 SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10 FOR SIGN DETAILS.



W020-1  
 (2)



W03-4  
 (11)



W020-7a  
 (8)

SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL  
 SHEET 4 OF 9



Paul J. Kronlage  
 12/30/2024 1:56:27 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED	
12/30/2024	
ROUTE	STATE
8	MO
DISTRICT	SHEET NO.
SE	25
COUNTY	
ST FRANCOIS	
JOB NO.	
J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

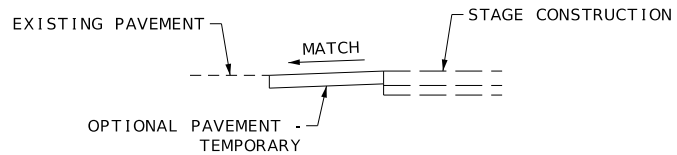
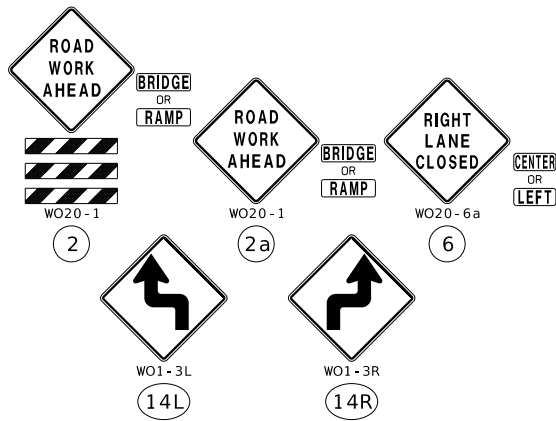
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OPTIONAL PAVEMENT - TEMPORARY  
 8" HMA  
 (2" BP-1 PG64-22 OVER 6" PMBB PG64-22)  
 OR  
 7" JPCP  
 (10' TRANSVERSE JOINT WITH NO DOWELS)



ACCESS SHOULD BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER

350 LF PAVEMENT EDGE TREATMENT "MURPHY USA"

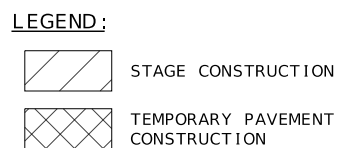
390 LF PAVEMENT EDGE TREATMENT

ACCESS SHOULD BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER

"STRIP MALL"

**STAGE 1 CONSTRUCTION**

REMOVE EXISTING ISLANDS AND SIGNAL. CONSTRUCT TEMPORARY SIGNAL. CONSTRUCT TEMPORARY PAVEMENT AT REMOVED ISLANDS AS NEEDED. SHIFT TRAFFIC AS SHOWN. CONSTRUCT BOX CULVERT EXTENSION, DRAINAGE AND PAVEMENT AS SHOWN. CONSTRUCT TEMPORARY PAVEMENT AT FUTURE TRUCK APRON/ROUNDABOUT AS SHOWN FOR FUTURE TRAFFIC.

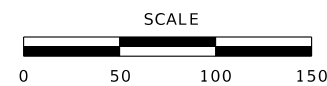


**TCP GENERAL NOTES:**

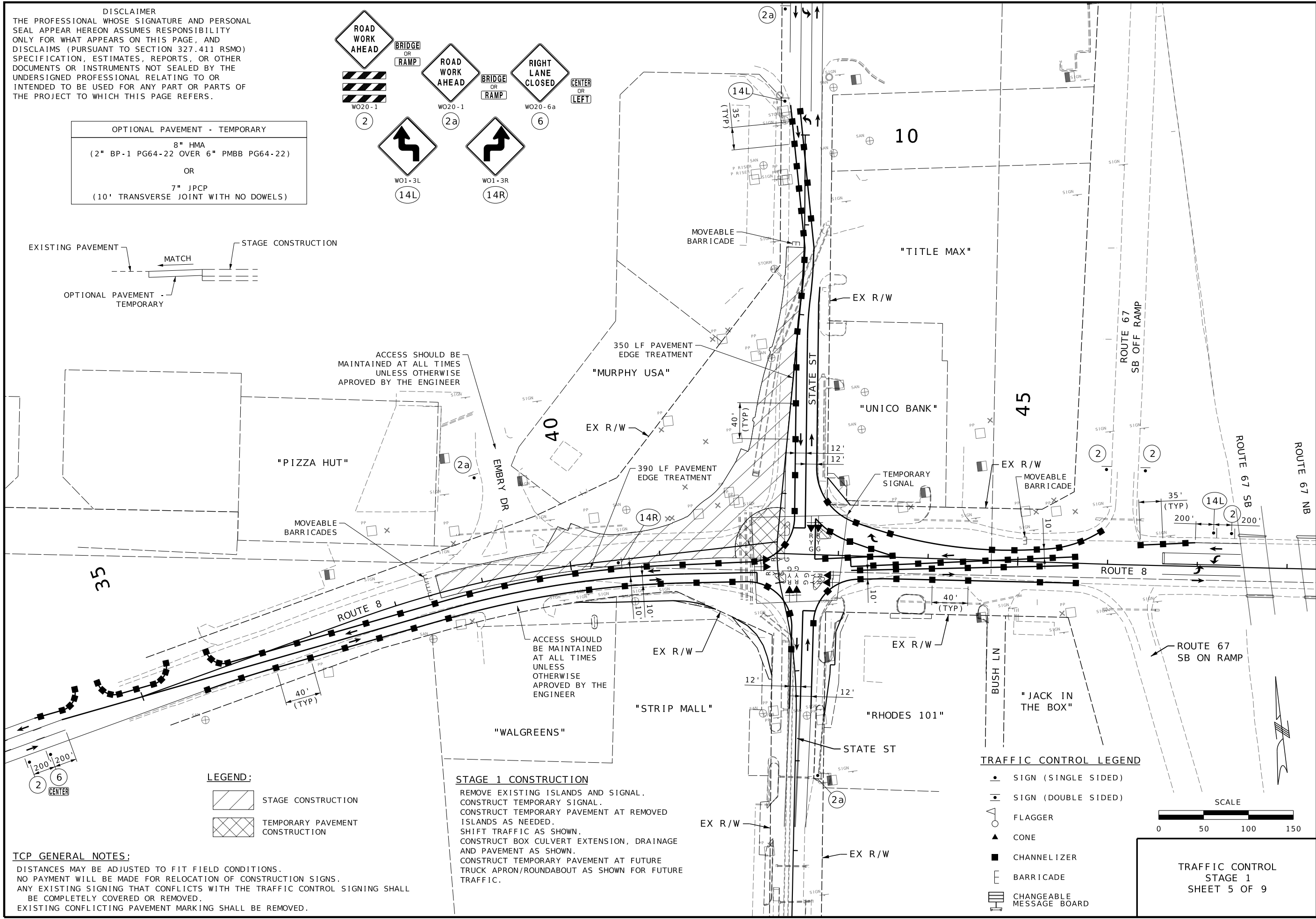
DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.  
 NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.  
 ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.  
 EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.

**TRAFFIC CONTROL LEGEND**

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- ▲ CONE
- CHANNELIZER
- ⌂ BARRICADE
- CHANGEABLE MESSAGE BOARD



TRAFFIC CONTROL  
 STAGE 1  
 SHEET 5 OF 9



*Paul J. Kronlage*  
 12/30/2024 1:56:45 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED	
12/30/2024	
ROUTE	STATE
8	MO
DISTRICT	SHEET NO.
SE	26
COUNTY	
ST FRANCOIS	
JOB NO.	
J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
**Civil Engineering Design**

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 St. Louis, MO 63021  
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 12/30/2024 1:57:02 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 12/30/2024

ROUTE 8 STATE MO  
 DISTRICT SE SHEET NO. 27

COUNTY ST FRANCOIS  
 JOB NO. J9P3448  
 CONTRACT ID.

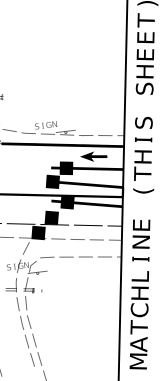
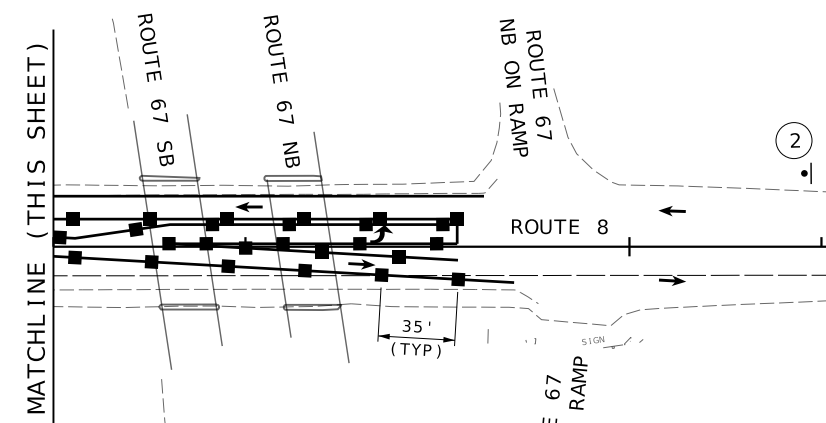
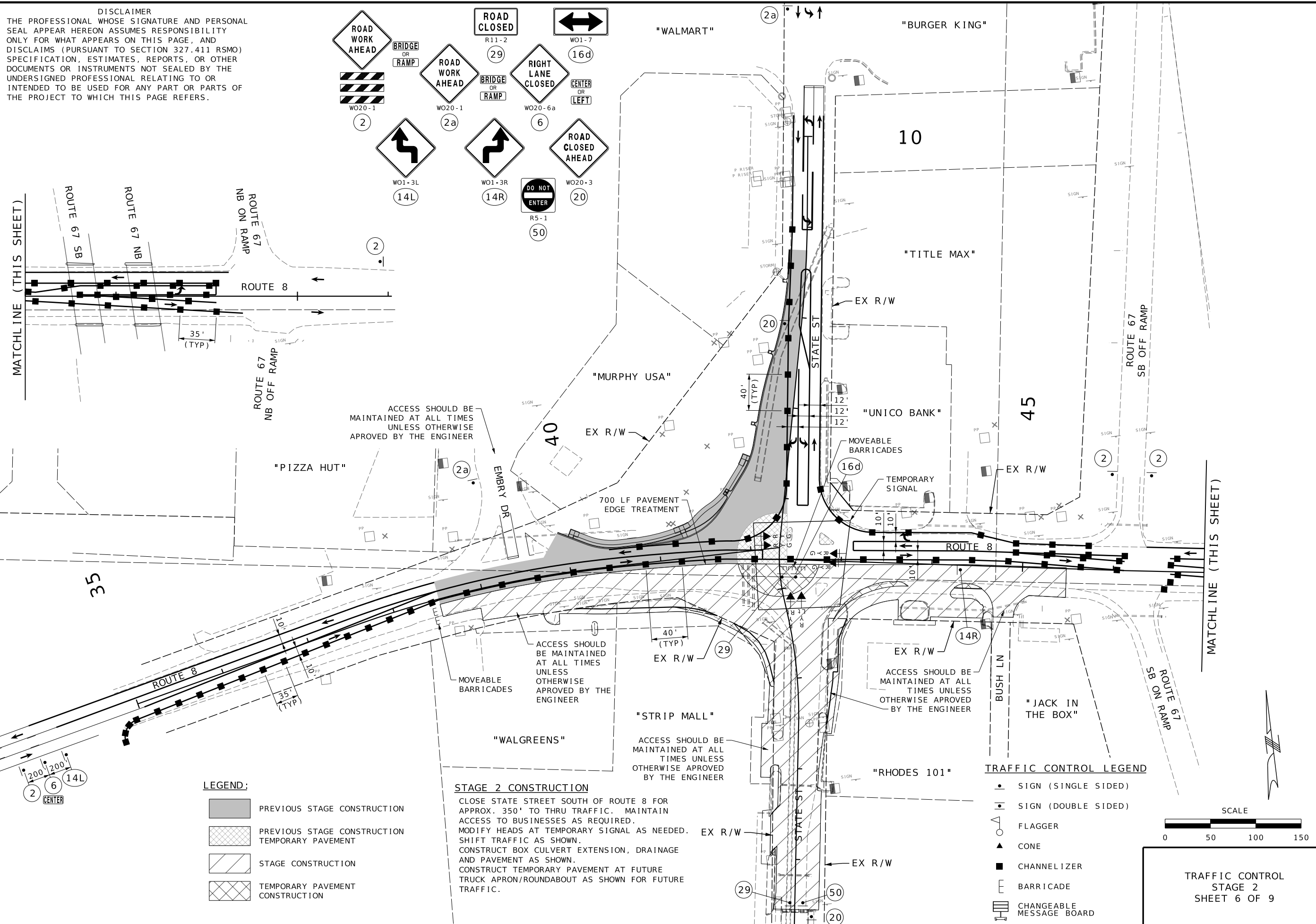
PROJECT NO.  
 BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 MoDOT  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)



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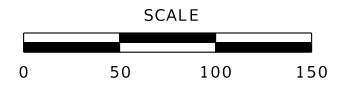
**LEGEND:**

	PREVIOUS STAGE CONSTRUCTION
	PREVIOUS STAGE CONSTRUCTION TEMPORARY PAVEMENT
	STAGE CONSTRUCTION
	TEMPORARY PAVEMENT CONSTRUCTION

**STAGE 2 CONSTRUCTION**  
 CLOSE STATE STREET SOUTH OF ROUTE 8 FOR APPROX. 350' TO THRU TRAFFIC. MAINTAIN ACCESS TO BUSINESSES AS REQUIRED. MODIFY HEADS AT TEMPORARY SIGNAL AS NEEDED. SHIFT TRAFFIC AS SHOWN. CONSTRUCT BOX CULVERT EXTENSION, DRAINAGE AND PAVEMENT AS SHOWN. CONSTRUCT TEMPORARY PAVEMENT AT FUTURE TRUCK APRON/ROUNDBOUT AS SHOWN FOR FUTURE TRAFFIC.

**TRAFFIC CONTROL LEGEND**

	SIGN (SINGLE SIDED)
	SIGN (DOUBLE SIDED)
	FLAGGER
	CONE
	CHANNELIZER
	BARRICADE
	CHANGEABLE MESSAGE BOARD



TRAFFIC CONTROL  
 STAGE 2  
 SHEET 6 OF 9

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Paul J. Kronlage  
 02/04/2025 9:10:36 AM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 2/4/2025

ROUTE	STATE
8	MO
DISTRICT	SHEET NO.
SE	28

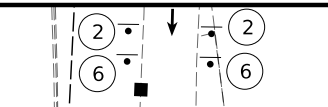
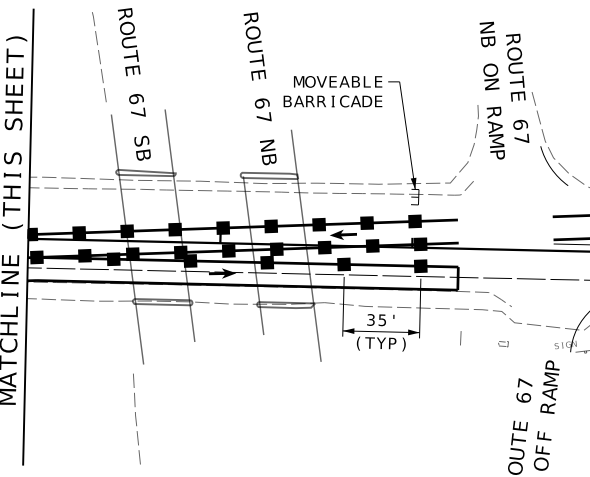
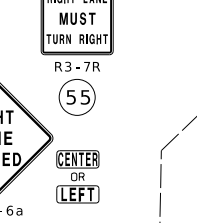
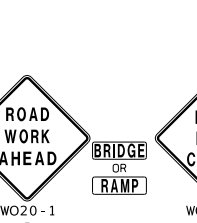
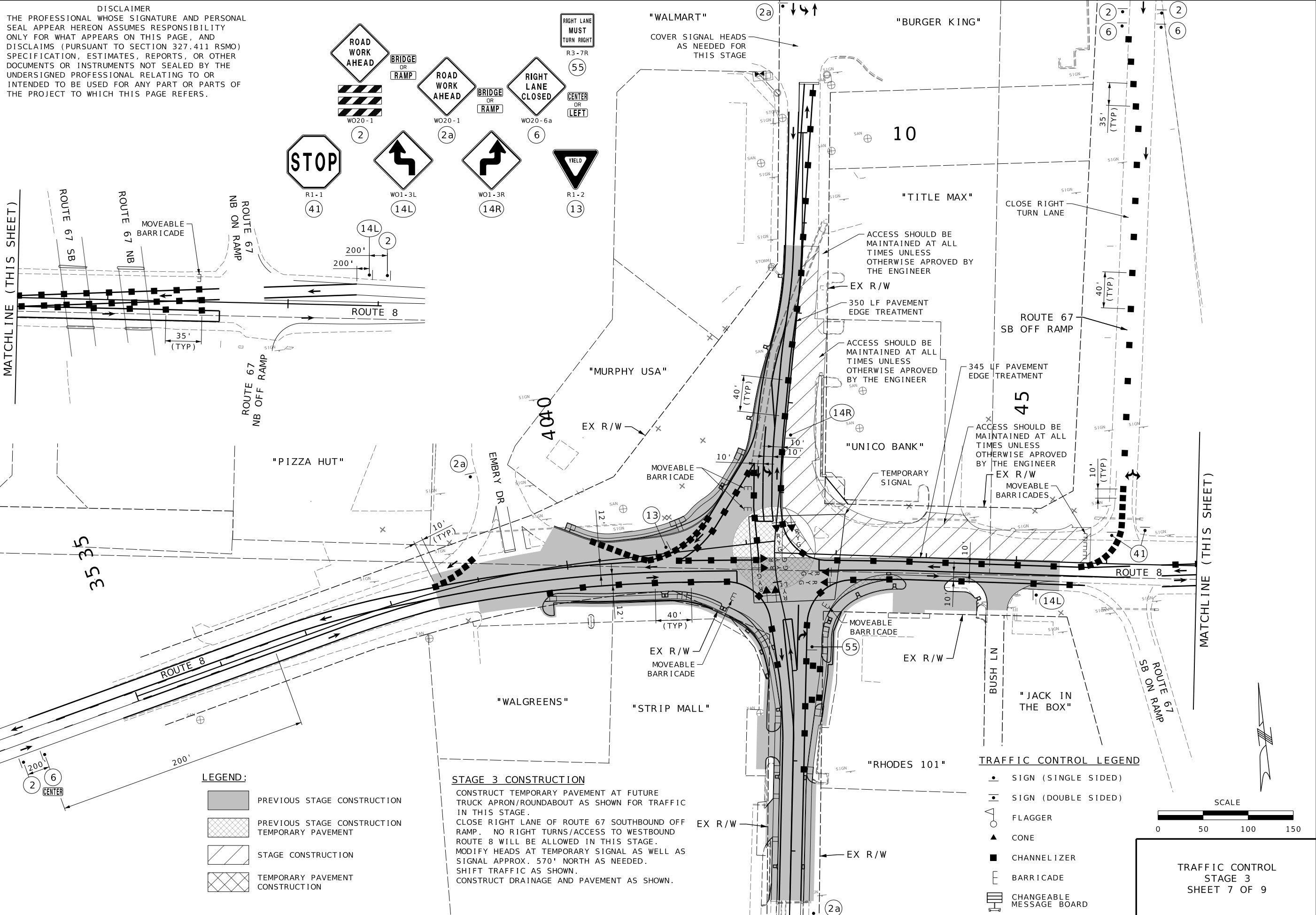
COUNTY  
 ST FRANCOIS

JOB NO.  
 J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



- LEGEND:**
- PREVIOUS STAGE CONSTRUCTION
  - PREVIOUS STAGE CONSTRUCTION TEMPORARY PAVEMENT
  - STAGE CONSTRUCTION
  - TEMPORARY PAVEMENT CONSTRUCTION

**STAGE 3 CONSTRUCTION**

CONSTRUCT TEMPORARY PAVEMENT AT FUTURE TRUCK APRON/ROUNDBOAT AS SHOWN FOR TRAFFIC IN THIS STAGE.

CLOSE RIGHT LANE OF ROUTE 67 SOUTHBOUND OFF RAMP. NO RIGHT TURNS/ACCESS TO WESTBOUND ROUTE 8 WILL BE ALLOWED IN THIS STAGE.

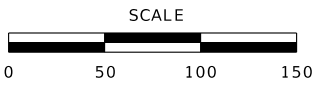
MODIFY HEADS AT TEMPORARY SIGNAL AS WELL AS SIGNAL APPROX. 570' NORTH AS NEEDED.

SHIFT TRAFFIC AS SHOWN.

CONSTRUCT DRAINAGE AND PAVEMENT AS SHOWN.

**TRAFFIC CONTROL LEGEND**

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

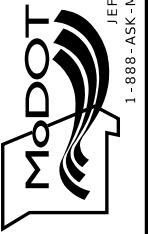


TRAFFIC CONTROL  
 STAGE 3  
 SHEET 7 OF 9

DESCRIPTION

DATE

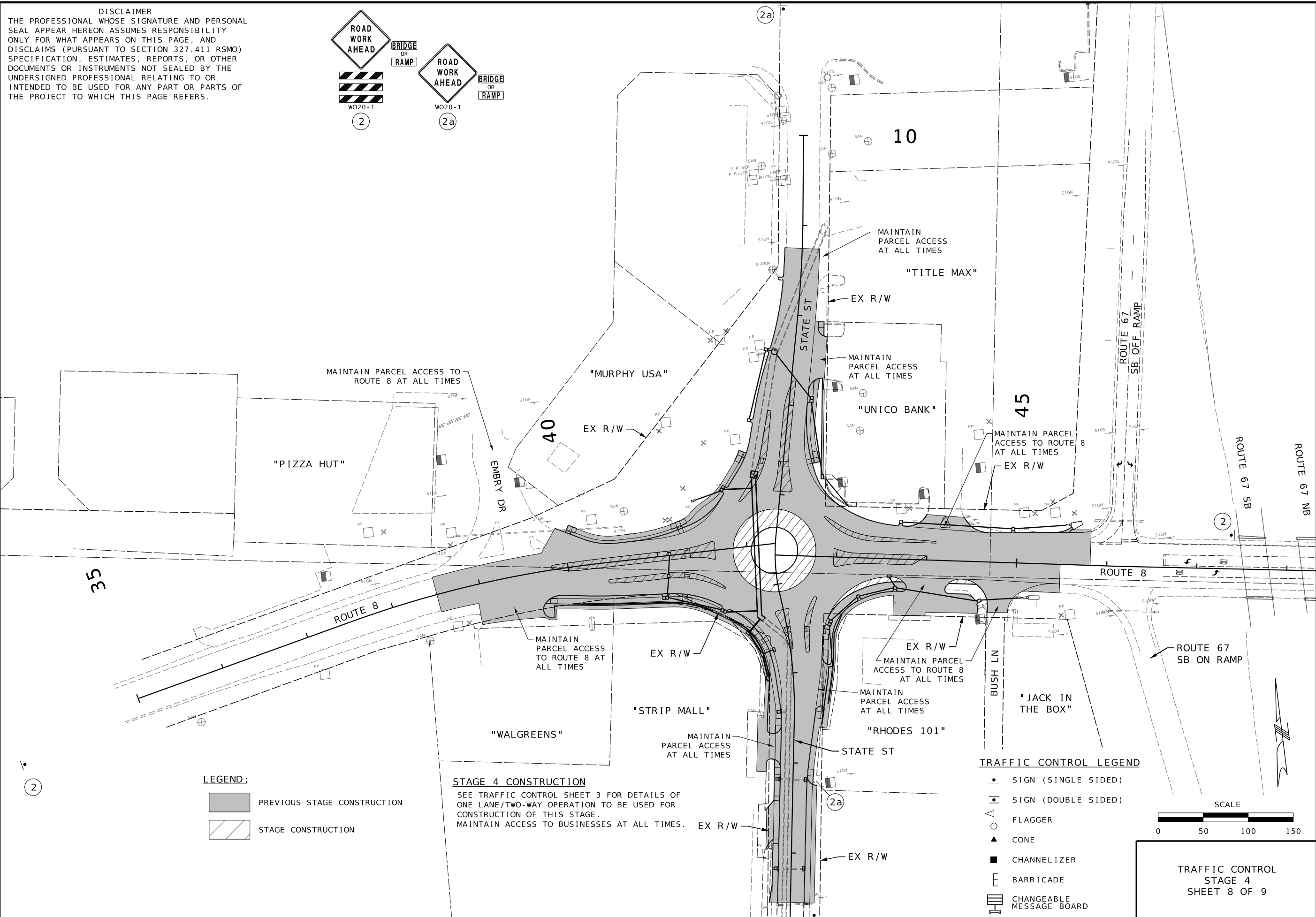
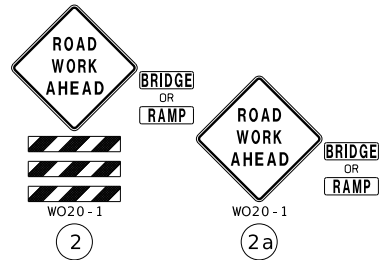
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
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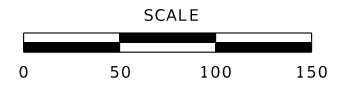


**LEGEND:**  
[Solid Grey Box] PREVIOUS STAGE CONSTRUCTION  
[Diagonal Line Box] STAGE CONSTRUCTION

**STAGE 4 CONSTRUCTION**  
SEE TRAFFIC CONTROL SHEET 3 FOR DETAILS OF ONE LANE/TWO-WAY OPERATION TO BE USED FOR CONSTRUCTION OF THIS STAGE.  
MAINTAIN ACCESS TO BUSINESSES AT ALL TIMES.

**TRAFFIC CONTROL LEGEND**

- SIGN (SINGLE SIDED)
- ◓ SIGN (DOUBLE SIDED)
- FLAGGER
- ▲ CONE
- CHANNELIZER
- ┌ BARRICADE
- ▬ CHANGEABLE MESSAGE BOARD



TRAFFIC CONTROL  
STAGE 4  
SHEET 8 OF 9

**STATE OF MISSOURI**  
PAUL JOSEPH KRONLAGE  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER 023328

Paul J. Kronlage  
12/30/2024 1:57:51 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

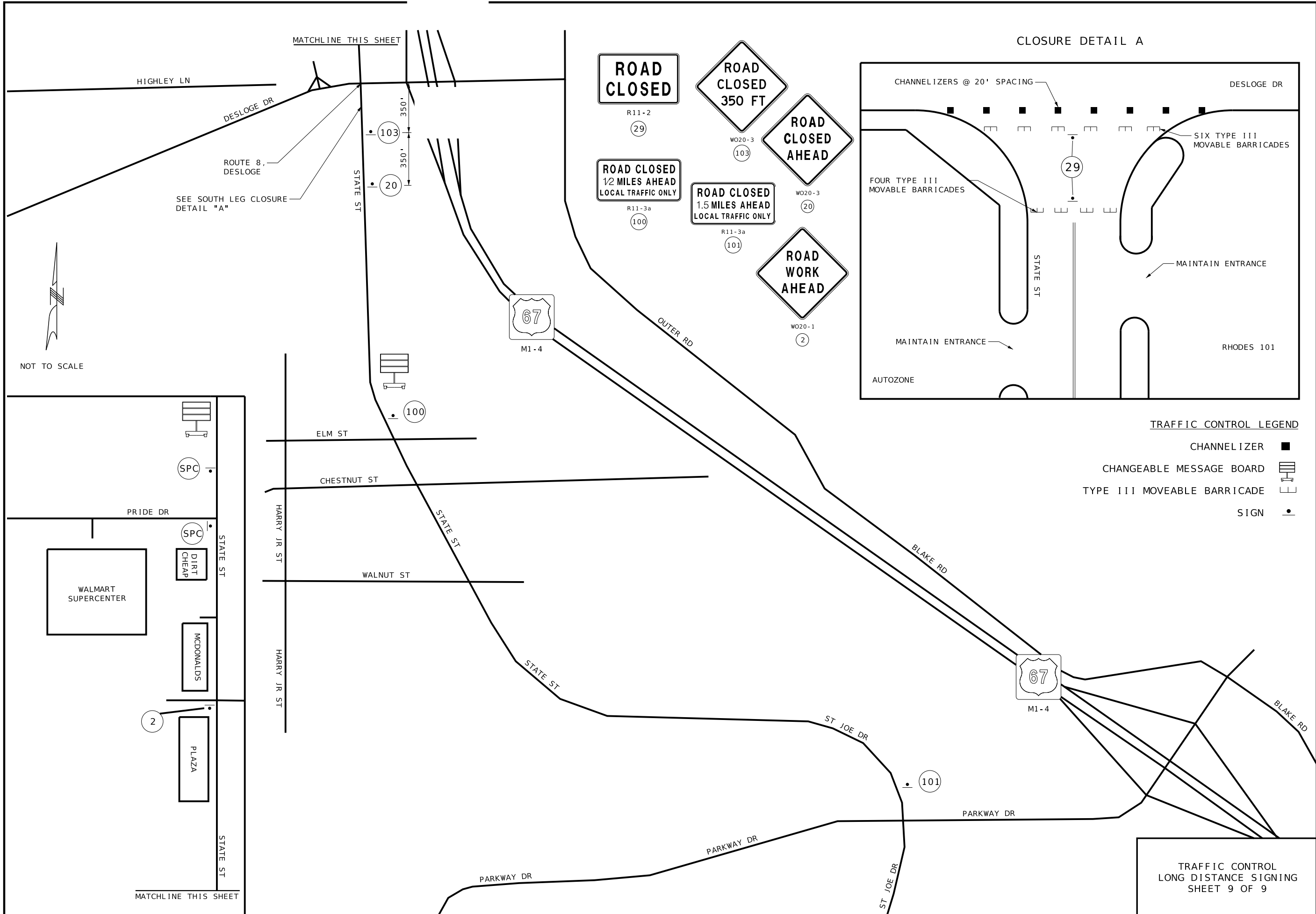
DATE PREPARED  
12/30/2024

ROUTE 8 STATE MO  
DISTRICT SE SHEET NO. 29  
COUNTY ST FRANCOIS  
JOB NO. J9P3448  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

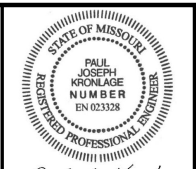
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Suite 250  
St. Louis, MO 63021  
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Fax 314-394-3199  
Missouri Certificate of Authority: 001578



CLOSURE DETAIL A

TRAFFIC CONTROL LEGEND

- CHANNELIZER [Symbol]
- CHANGEABLE MESSAGE BOARD [Symbol]
- TYPE III MOVEABLE BARRICADE [Symbol]
- SIGN [Symbol]



Paul J. Kronlage  
12/30/2024 1:58:11 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
**12/30/2024**

ROUTE	STATE
<b>8</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>SE</b>	<b>30</b>
COUNTY	
<b>ST FRANCOIS</b>	
JOB NO.	
<b>J9P3448</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

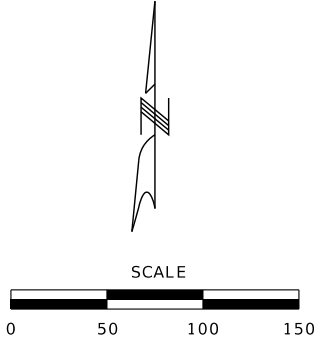
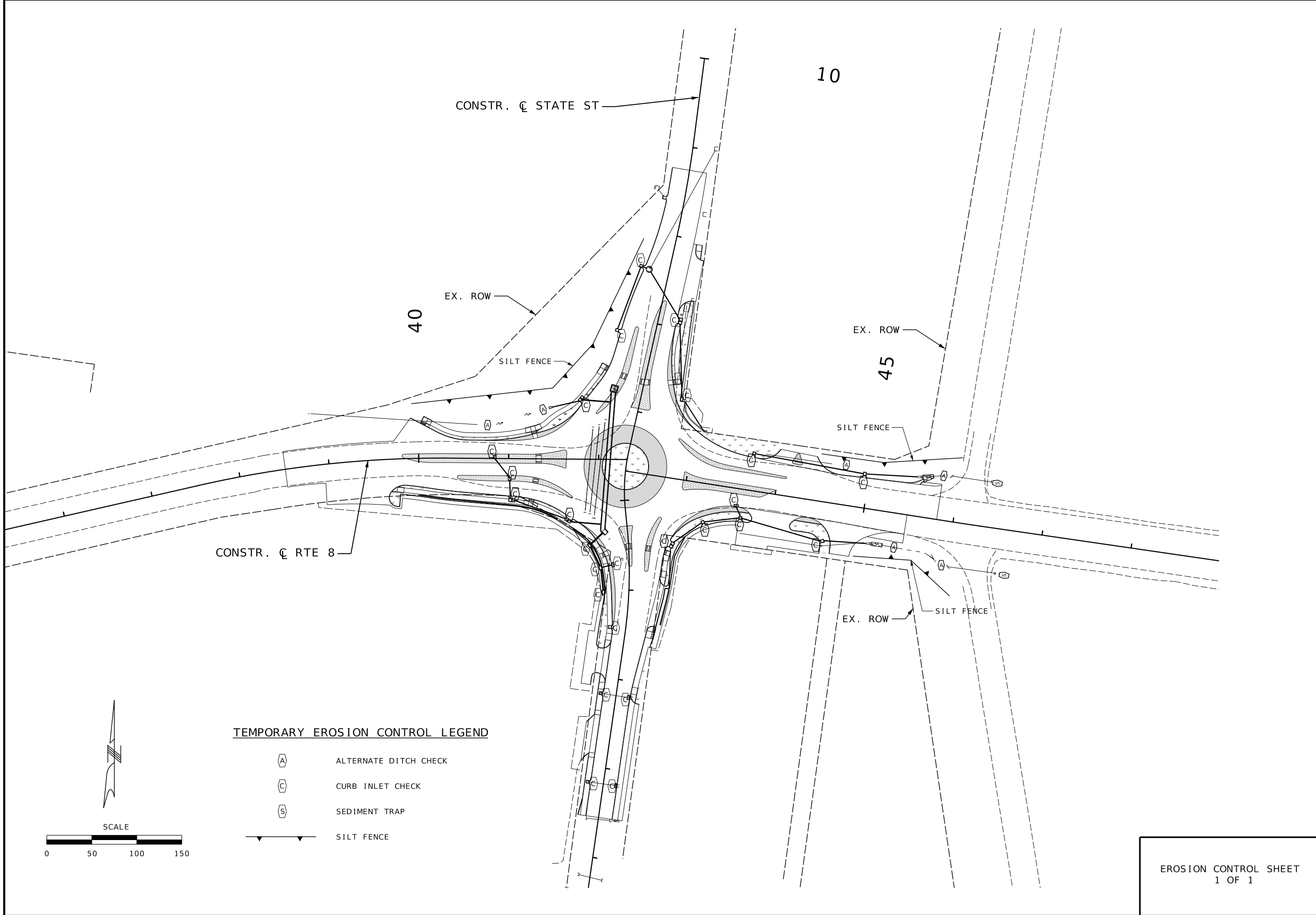
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JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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Phone 314-394-3100  
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TRAFFIC CONTROL  
LONG DISTANCE SIGNING  
SHEET 9 OF 9





- TEMPORARY EROSION CONTROL LEGEND**
- (A) ALTERNATE DITCH CHECK
  - (C) CURB INLET CHECK
  - (S) SEDIMENT TRAP
  - ▲— SILT FENCE



Paul J. Kronlage  
 02/01/2025 2:01:09 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED 1/21/2025	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 31
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

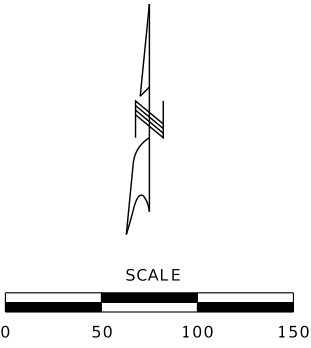
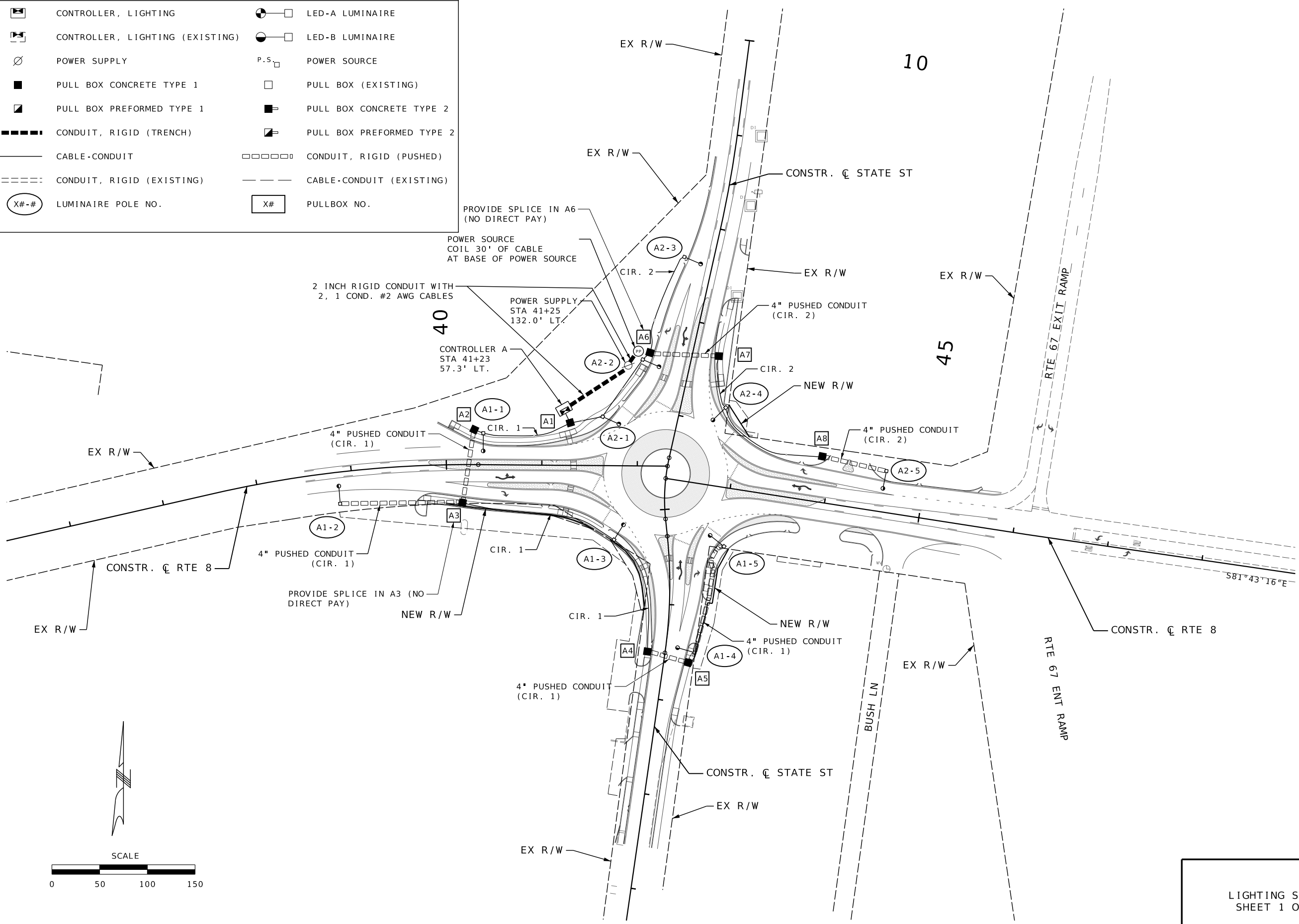
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EROSION CONTROL SHEET  
 1 OF 1

LIGHTING LEGEND

	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	POWER SUPPLY		POWER SOURCE
	PULL BOX CONCRETE TYPE 1		PULL BOX (EXISTING)
	PULL BOX PREFORMED TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 2		CABLE-CONDUIT (EXISTING)
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CABLE-CONDUIT		
	CONDUIT, RIGID (EXISTING)		
	LUMINAIRE POLE NO.		PULLBOX NO.



Paul J. Kronlage  
 12/30/2024 1:58:48 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED 12/30/2024	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 32
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

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LIGHTING SHEET  
 SHEET 1 OF 2

RIGID CONDUIT															
LIGHTING SHEET NO.	FROM	TO	LOCATION	CIRCUIT	TRENCHED			PUSHED			MEDIAN		EXTERNAL ON STRUCTURE		
					2"	3"	4"	5"	3"	4"	5"	2"	3"	2"	3"
1	POWER	PSA	CONST. RTE 8	1,2	10.0										
1	PSA	CONT A	CONST. RTE 8	1,2	70.0										
1	A2	A3	CONST. RTE 8	1									71.7		
1	A3	A1-2	CONST. RTE 8	1									122.6		
1	A4	A5	CONST. STATE ST	1									39.7		
1	A5	A1-5	CONST. RTE 8	1									126.9		
1	A6	A7	CONST. STATE ST	2									68.8		
1	A8	A2-5	CONST. RTE 8	2									67.3		
SUBTOTALS					80								497		
PAY TOTALS					80								497		

1" CABLE CONDUIT							CABLE #2 AWG	TRENCHING		
2 CONDUCTORS & 1 BARE NEUTRAL								1 COND.	TYPE	TYPE
LIGHTING SHEET	CONT.	CIRCUIT	FROM	TO	#8 AWG FEET	#6 AWG FEET	FEET		I	III
1	A	1,2	POWER POLE	CONT A			266			
1	A	1	CONT A	A1-1	251			140		
1	A	1	A1-1	A1-2	328			216		
1	A	1	A1-2	A1-3	401			295		
1	A	1	A1-3	A1-4	298			186		
1	A	1	A1-4	A1-5	220			120		
1	A	2	CONT A	A2-1	197			88		
1	A	2	A2-1	A2-2	175			75		
1	A	2	A2-2	A2-3	223			117		
1	A	2	A2-3	A2-4	350			238		
1	A	2	A2-4	A2-5	296			190		
SUBTOTALS:							2739	266		
5% FOR SNAKING							137	13		
PAY TOTALS:							2880	280		
TRENCHING SUBTOTALS:								1665		
TRENCHING PAY TOTALS:								1665		



*Paul J. Kronlage*  
 12/30/2024 1:59:04 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 12/30/2024  
 ROUTE 8  
 DISTRICT SE  
 COUNTY ST FRANCOIS  
 SHEET NO. 33

JOB NO. J9P3448  
 CONTRACT ID.

PROJECT NO.  
 BRIDGE NO.

POLES, ARMS AND LUMINAIRES																																					
LIGHTING SHEET NO.	LUMIN POLE NO.	ROADWAY	STATION	OFFSET	30' POLE					45' POLE					RELOC POLE	LUMINAIRE					BRACKET ARM					CABLE, 10 AWG		POLE FOUNDATION									
					AT		B		D1		D2		D3			D4		D5		D3		D3		D3		D3		D3		D3		D3					
					LED-A		LED-B		LED-C		UNDERPASS		4'			6'		8'		10'		12'		15'		POLE AND BRACKET		30' POLE		45' POLE							
1	A1-1	CONST. RTE 8	40+38	33.0' LT																																	
1	A1-2	CONST. RTE 8	38+85	33.2' RT																																	
1	A1-3	CONST. RTE 8	41+76	77.7' RT																																	
1	A1-4	CONST. STATE ST	16+46	30.8' LT																																	
1	A1-5	CONST. STATE ST	15+43	58.3' LT																																	
1	A2-1	CONST. RTE 8	41+63	51.2' LT																																	
1	A2-2	CONST. STATE ST	13+51	49.5' RT																																	
1	A2-3	CONST. STATE ST	12+37	30.5' RT																																	
1	A2-4	CONST. STATE ST	13+81	46.3' LT																																	
1	A2-5	CONST. RTE 8	44+59	43.2' LT																																	
SUBTOTALS																																					
PAY TOTALS																																					

PULL BOXES											
LIGHTING SHEET NO.	P.B. NO.	ROADWAY	STATION	OFFSET	CONCRETE			PREFORMED			DRAIN TYPE
					DOUBLE TYPE A	DOUBLE TYPE B	STANDARD	CL 1	CL 2	CL 3	
1	A1	CONST. RTE 8	41+27	41.8' LT	1						I
1	A2	CONST. RTE 8	40+29	36.7' LT			1				I
1	A3	CONST. RTE 8	40+17	40.0' RT			1				I
1	A4	CONST. STATE ST	16+52	18.5' RT			1				I
1	A5	CONST. STATE ST	16+57	25.5' LT			1				I
1	A6	CONST. STATE ST	13+42	43.8' RT			1				I
1	A7	CONST. RTE 8	13+30	27.5' LT			1				I
1	A8	CONST. RTE 8	43+90	47.3' LT			1				I
SUBTOTALS					1		7				
PAY TOTALS					1		7				

CONTROL STATION & POWER SUPPLY																			
LIGHTING SHEET NO.	ROADWAY	STATION	OFFSET	TYPE 2 (PED)				LIGHTING SHEET NO.	ROADWAY	STATION	OFFSET	BREAKERS (AMPS)				BASE MOUNT			
				LT ONLY		LT+ SIG						CIRCUIT				4 CIR.	4 CIR.		
				240 V	240/120V	480V	480/120V					1	2	3	4	240 V	480 V		
1	CONST. RTE 8	41+23	57.5' LT	1				1	CONST. RTE 8	90+14	105.2' LT	A	MAIN	15	15			1	
TOTALS, EACH				1														1	

LIGHTING SHEET  
 SHEET 2 OF 2

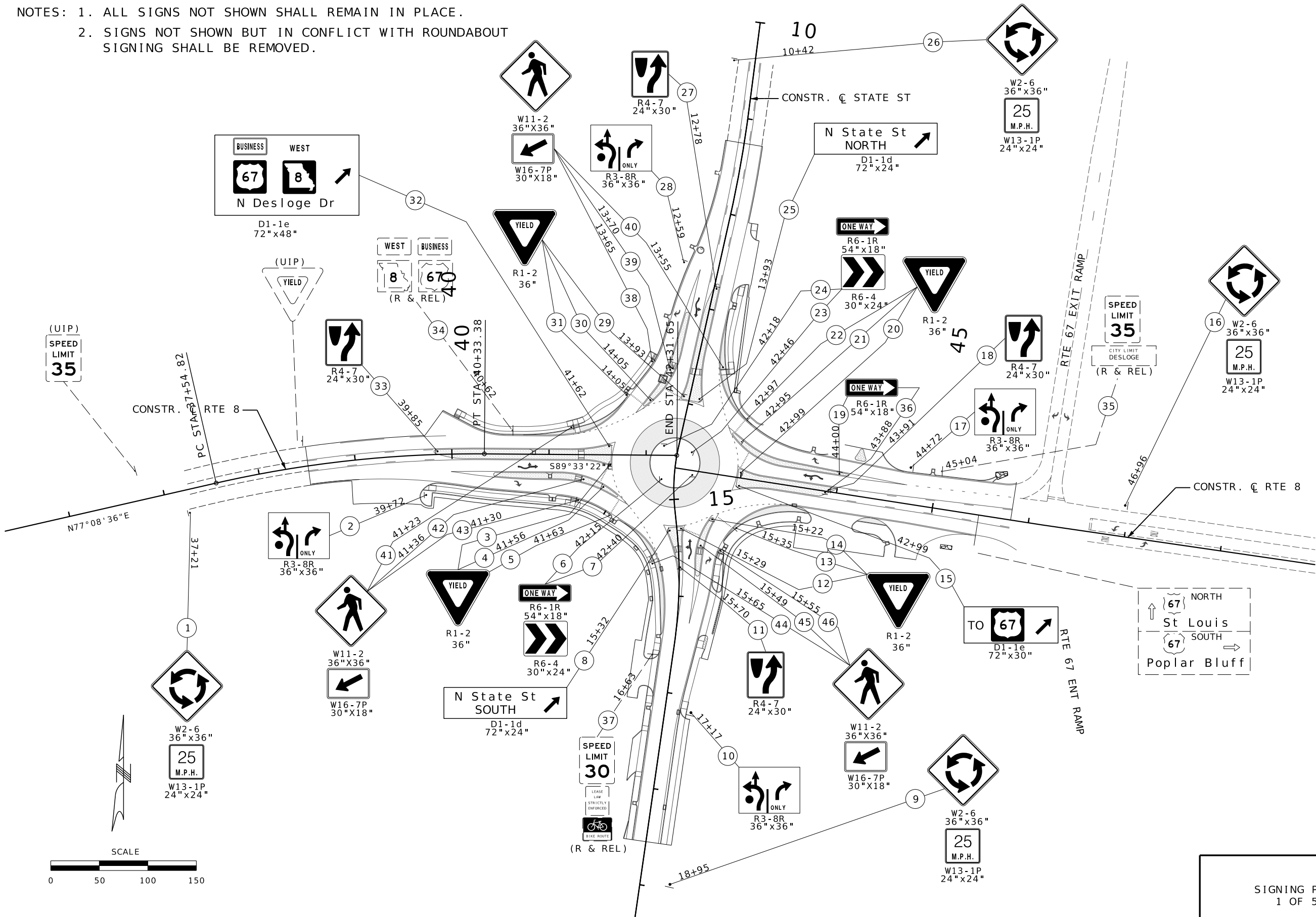
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

- NOTES: 1. ALL SIGNS NOT SHOWN SHALL REMAIN IN PLACE.  
 2. SIGNS NOT SHOWN BUT IN CONFLICT WITH ROUNDABOUT SIGNING SHALL BE REMOVED.



(UIP)  
SPEED  
LIMIT  
35

N77°08'36"E

W2-6  
36" x 36"  
25  
M.P.H.  
W13-1P  
24" x 24"

SCALE  
0 50 100 150



Paul J. Kronlage  
02/03/2025 4:16:59 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
2/3/2025  
ROUTE 8 STATE MO  
DISTRICT SE SHEET NO. 34  
COUNTY ST FRANCOIS  
JOB NO. J9P3448  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION  
MoDOT  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
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St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578

SIGNING PLAN  
1 OF 5



STANDARD SIGN ASSEMBLIES

SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH

Table with columns for SIGN NO., STATION OR LOG MILE, LOCATION, and various sign types (SHF, SH, RT, LT, STATE, SPECIAL) with their respective counts.

SIGN SUMMARY

EFFECTIVE: 10-01-2016

Table with columns for STANDARD OR SPECIAL SIGN DESIGNATION, SIGN DTL. NO., SIGN SIZE, and TYPE & SQUARE FEET (FLAT SHEET SH, FLUORESCENT SHF\*, STRUCTURAL ST, STRUCTURAL FLUORESCENT STF\*).

TOTALS 169 167 63

\*ORANGE, YELLOW AND YELLOW-GREEN



Paul J. Kronlage
02/03/2025 4:17:37 PM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
2/3/2025

ROUTE STATE
8 MO

DISTRICT SHEET NO.
SE 36

COUNTY

ST FRANCOIS

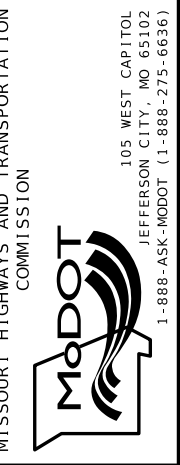
JOB NO.
J9P3448

CONTRACT ID.

PROJECT NO.

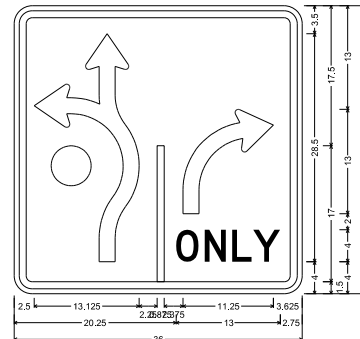
BRIDGE NO.

Table with columns for DATE and DESCRIPTION.



SIGNING PLAN D-30
3 OF 5

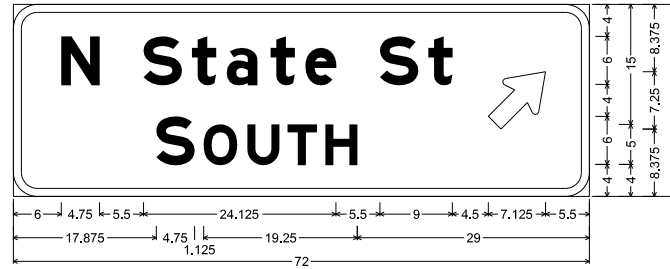
R3-8



R3-8 SH-FLAT SHEET:  
 2.250" Radius, 0.875" Border, 0.825" Indent, Black on, White;  
 "ONLY", D 80% spacing;  
 Table of letter and object lefts

N	6.000	16.250	22.250	26.625	32.125	36.500	45.875	51.875	59.375
O	20.250	23.750	27.250	29.875					

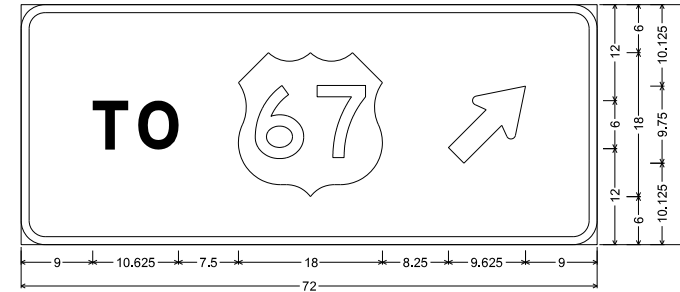
SIGN 8



D1-1d ST-STRUCTURAL;  
 3,000" Radius, 1,000" Border, White on, Green;  
 "N State St", E Mod; "SOUTH", E Mod; Standard Arrow Custom 9,000" X 6,000" 45";  
 Table of letter and object lefts

N	6.000	16.250	22.250	26.625	32.125	36.500	45.875	51.875	59.375
S	17.875	23.750	29.250	34.250	39.000				

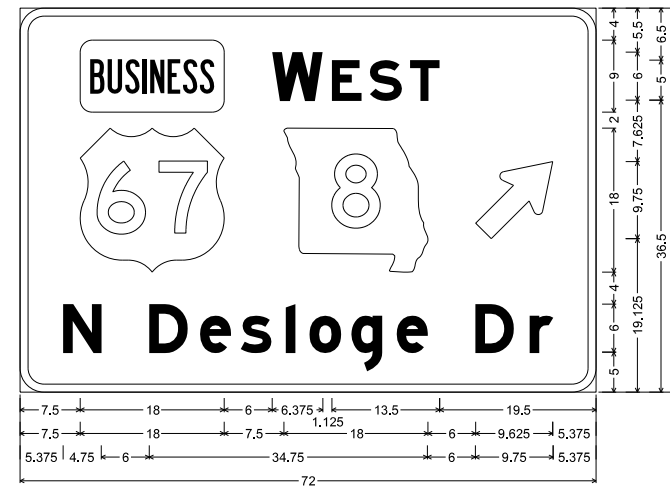
SIGN 13



D1-1e ST-STRUCTURAL;  
 3,000" Radius, 1,000" Border, White on, Green;  
 "TO", E Mod; Standard Arrow Custom 12,250" X 7,125" 45";  
 Table of letter and object lefts

T	9.000	14.625	27.125	53.375
---	-------	--------	--------	--------

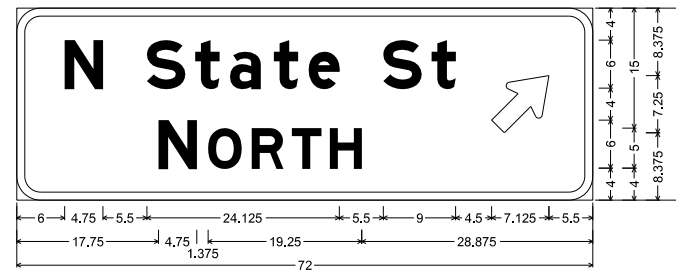
SIGN 35



D1-1e ST-STRUCTURAL;  
 3,000" Radius, 1,000" Border, White on, Green;  
 " ", E Mod; "WEST", E Mod; Standard Arrow Custom 12,250" X 7,125" 45";  
 "N Desloge Dr", E Mod;  
 Table of letter and object lefts

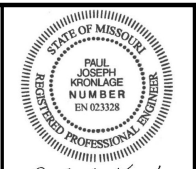
B	7.500	31.500	39.000	43.750	48.750					
W	7.500	33.000	57.000							
N	5.375	16.125	22.500	27.625	33.250	36.125	41.375	47.125	56.875	63.750

SIGN 27



D1-1d ST-STRUCTURAL;  
 3,000" Radius, 1,000" Border, White on, Green;  
 "N State St", E Mod; "NORTH", E Mod; Standard Arrow Custom 9,000" X 6,000" 45";  
 Table of letter and object lefts

N	6.000	16.250	22.250	26.625	32.125	36.500	45.875	51.875	59.375
N	17.750	23.875	29.375	34.375	39.125				



Paul J. Kronlage  
 12/30/2024 2:00:32 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED 12/30/2024	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 37
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 MoDOT  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

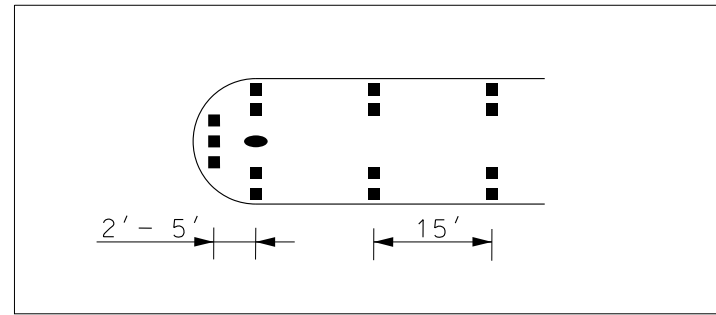
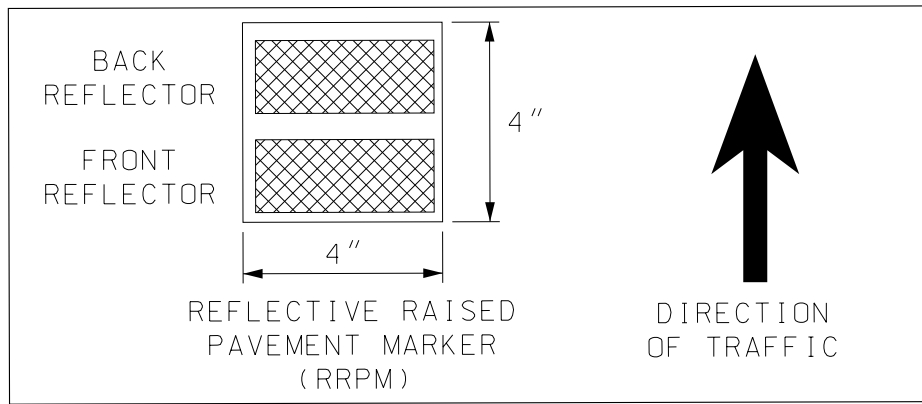
**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

LEGEND

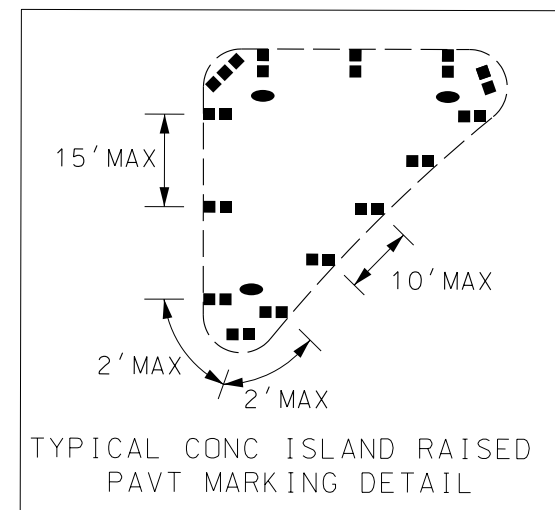
■	REFLECTIVE RAISED PVMT MARKER* (NO DIRECT PAY)
●	18" ISLAND TUBULAR MARKER**

\* THE COLOR OF THE RRPM SHALL MATCH THE COLOR OF THE MARKING IN WHICH THE RRPM IS SUBSTITUTING. BACK REFLECTOR SHALL BE RED FOR WRONG WAY TRAFFIC AS SPECIFIED.

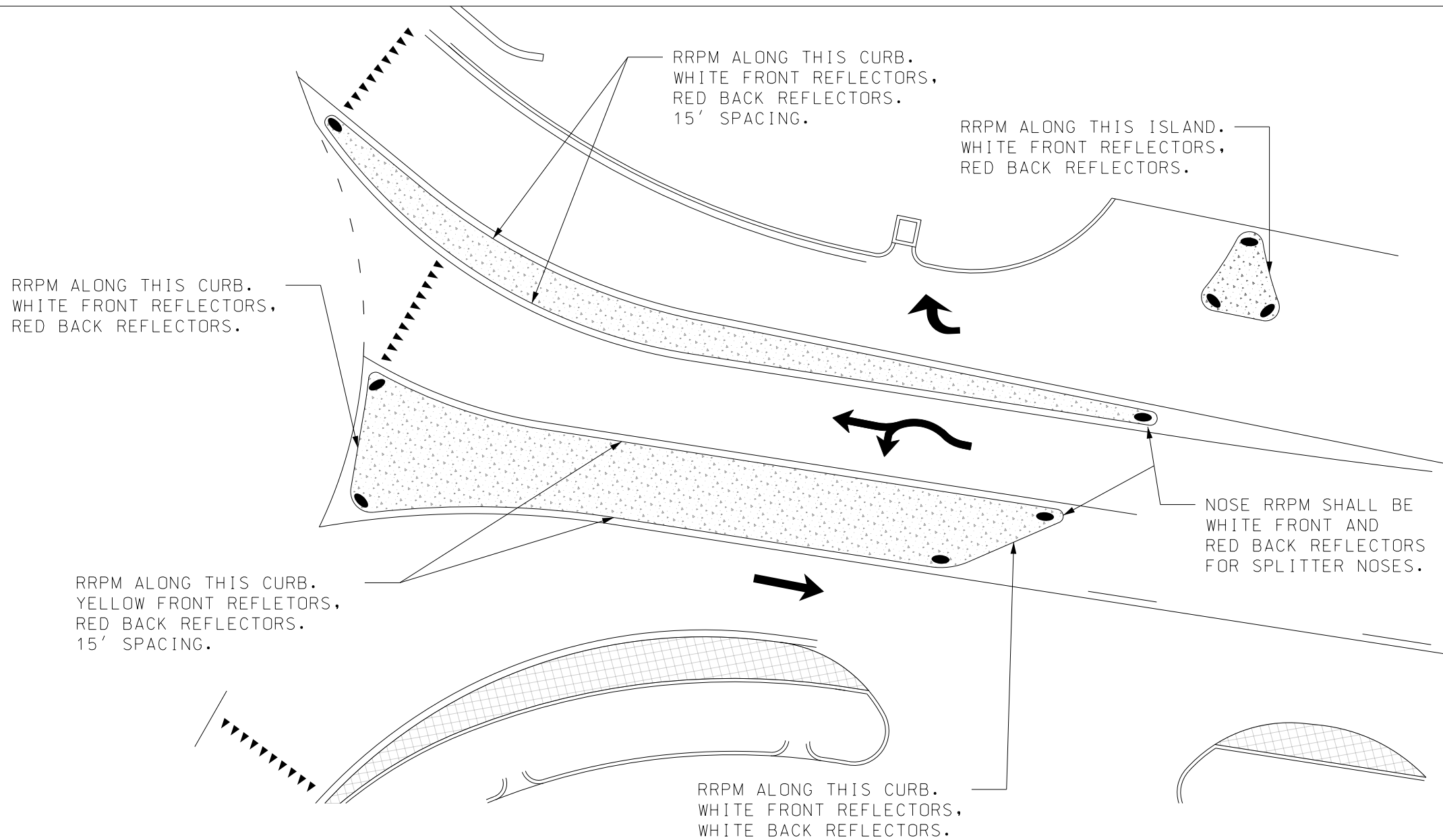
\*\* ISLAND TUBULAR MARKER PLACEMENT IS LOCATED AT THE RADIUS POINT



CONC MEDIAN RAISED PVMT MARKING DETAIL



TYPICAL CONC ISLAND RAISED PAVT MARKING DETAIL



TYPICAL ISLAND DELINEATION

SIGNING PLAN  
5 OF 5



Paul J. Kronlage  
12/30/2024 2:01:16 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

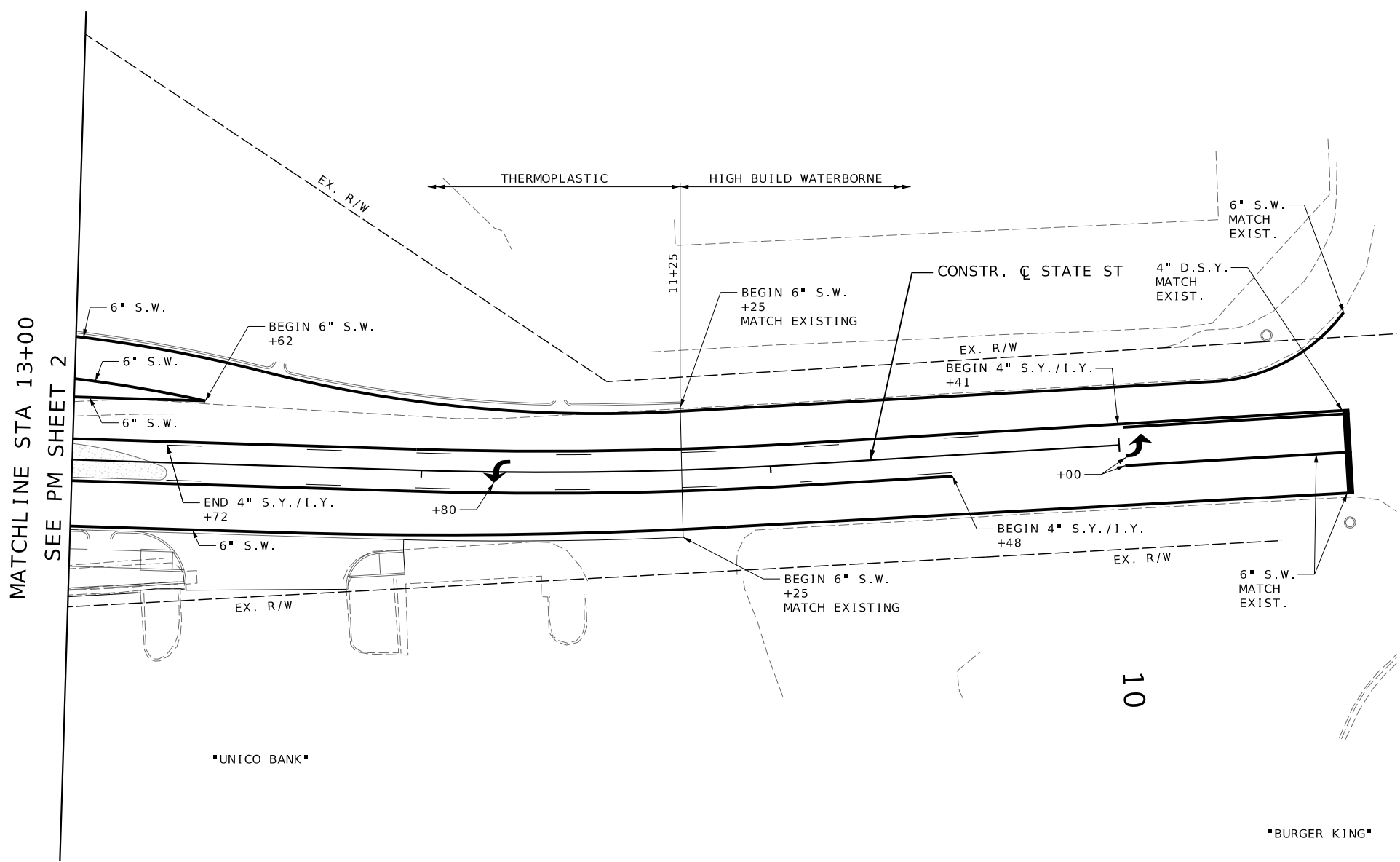
DATE PREPARED 12/30/2024	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 38
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
**MoDOT**  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

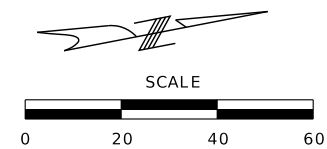
**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578





MATCHLINE STA 13+00  
SEE PM SHEET 2

PAVEMENT MARKING LEGEND	
	6" SOLID WHITE LINE
	4" OR 6" SOLID YELLOW LINE
	4" DOUBLE SOLID YELLOW LINE
	6" INTERMITTENT YELLOW LINE, 10' STRIPE/30' GAP
	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP
	WYLT PREFORMED THERMOPLASTIC 12 IN WHITE YIELD LINE TRIANGLES
	PREFORMED THERMOPLASTIC COMBINATION STR/LT FISH HOOK ARROW
	PREFORMED THERMOPLASTIC LEFT/RIGHT ARROW
	PREFORMED THERMOPLASTIC 30 IN WHITE MIDBLOCK (6'x2.5')



PAVEMENT MARKING  
SHEET 1 OF 5



Paul J. Kronlage  
12/30/2024 2:01:32 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
12/30/2024

ROUTE STATE  
8 MO

DISTRICT SHEET NO.  
SE 39

COUNTY  
ST FRANCOIS

JOB NO.  
J9P3448

CONTRACT ID.

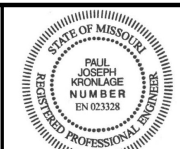
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION  
  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design  
13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578



Paul J. Kronlage  
 02/01/2025 2:01:29 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED 1/21/2025	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 40
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

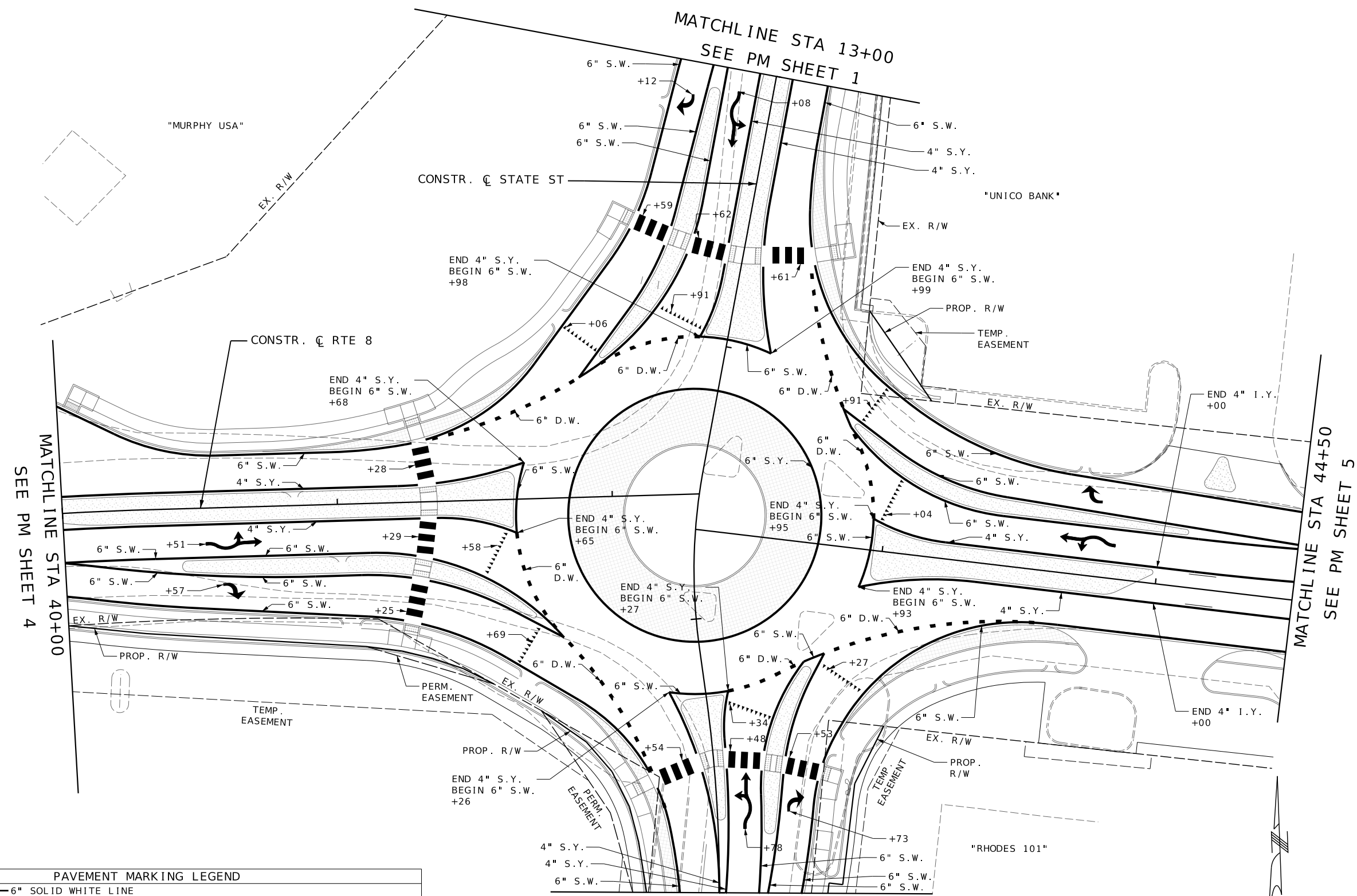
MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION

**MoDOT**

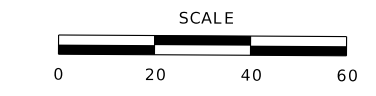
105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design

13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578



PAVEMENT MARKING LEGEND	
6" S.W. ————	6" SOLID WHITE LINE
4"/6" S.Y. ————	4" OR 6" SOLID YELLOW LINE
4" D.S.Y. ————	4" DOUBLE SOLID YELLOW LINE
6" I.Y. - - - -	6" INTERMITTENT YELLOW LINE, 10' STRIPE/30' GAP
6" D.W. - - - -	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP
WYLT ▼▼▼▼▼▼	PREFORMED THERMOPLASTIC 12 IN WHITE YIELD LINE TRIANGLES
↔↔↔↔↔	PREFORMED THERMOPLASTIC COMBINATION STR/LT FISH HOOK ARROW
↔↔↔↔	PREFORMED THERMOPLASTIC LEFT/RIGHT ARROW
	PREFORMED THERMOPLASTIC 30 IN WHITE MIDBLOCK (6'x2.5')



PAVEMENT MARKING  
 SHEET 2 OF 5



Paul J. Kronlage  
 12/30/2024 2:02:12 PM  
 Paul J. Kronlage - Civil  
 MO PE - 023328

DATE PREPARED  
 12/30/2024

ROUTE STATE  
 8 MO

DISTRICT SHEET NO.  
 SE 41

COUNTY  
 ST FRANCOIS

JOB NO.  
 J9P3448

CONTRACT ID.

PROJECT NO.

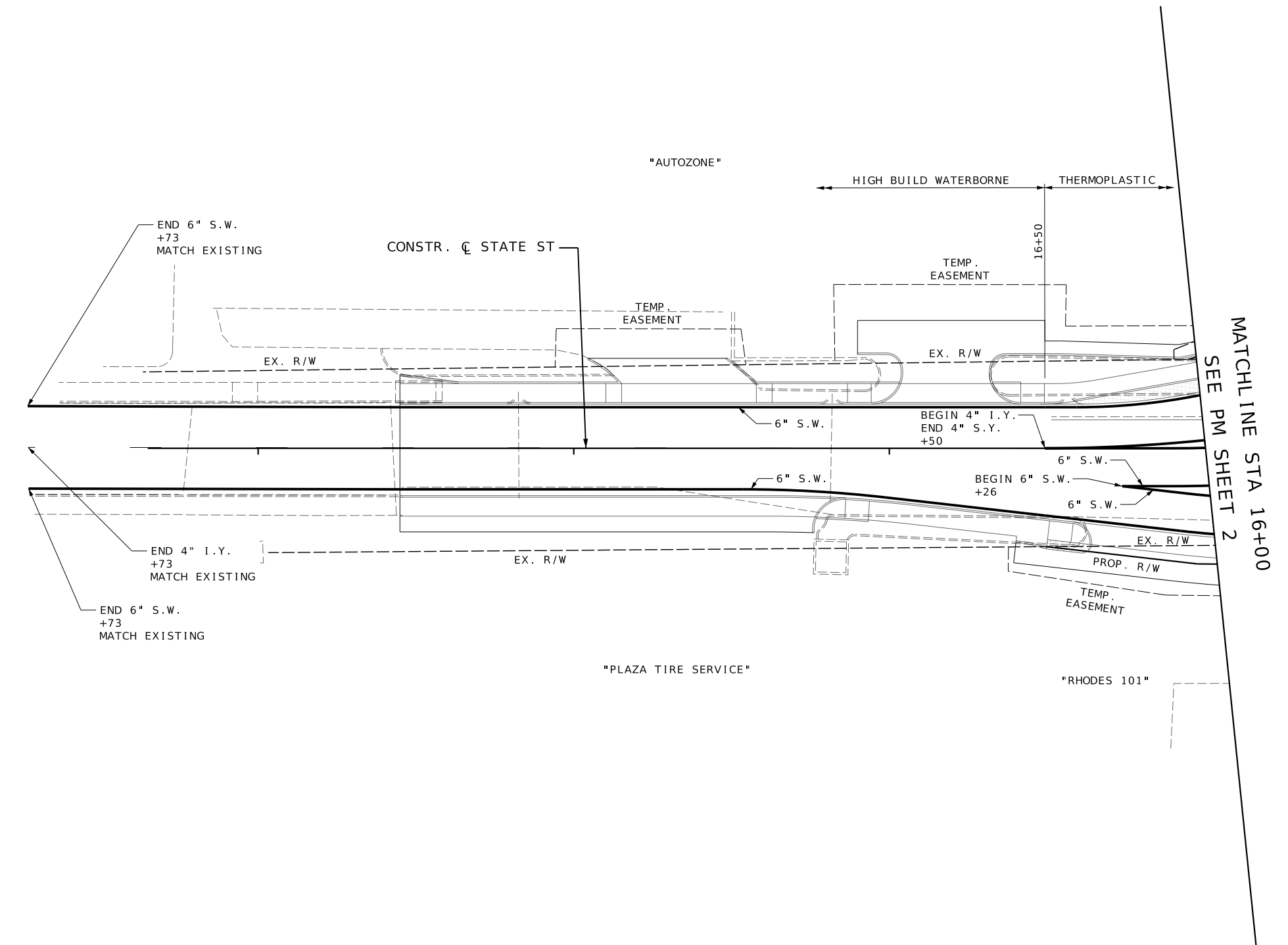
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

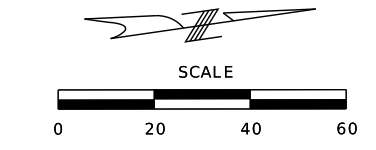
105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
 Civil Engineering Design  
 13523 Barrett Parkway Dr  
 Suite 250  
 St. Louis, MO 63021  
 Phone 314-394-3100  
 Fax 314-394-3199  
 Missouri Certificate of Authority: 001578

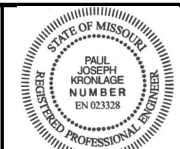


MATCHLINE STA 16+00  
 SEE PM SHEET 2

PAVEMENT MARKING LEGEND	
6" S.W.	6" SOLID WHITE LINE
4"/6" S.Y.	4" OR 6" SOLID YELLOW LINE
4" D.S.Y.	4" DOUBLE SOLID YELLOW LINE
6" I.Y.	6" INTERMITTENT YELLOW LINE, 10' STRIPE/30' GAP
6" D.W.	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP
WYLT	PREFORMED THERMOPLASTIC 12 IN WHITE YIELD LINE TRIANGLES
	PREFORMED THERMOPLASTIC COMBINATION STR/LT FISH HOOK ARROW
	PREFORMED THERMOPLASTIC LEFT/RIGHT ARROW
	PREFORMED THERMOPLASTIC 30 IN WHITE MIDBLOCK (6'x2.5')



PAVEMENT MARKING  
 SHEET 3 OF 5



Paul J. Kronlage  
12/30/2024 2:02:29 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
12/30/2024

ROUTE STATE  
8 MO

DISTRICT SHEET NO.  
SE 42

COUNTY  
ST FRANCOIS

JOB NO.  
J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

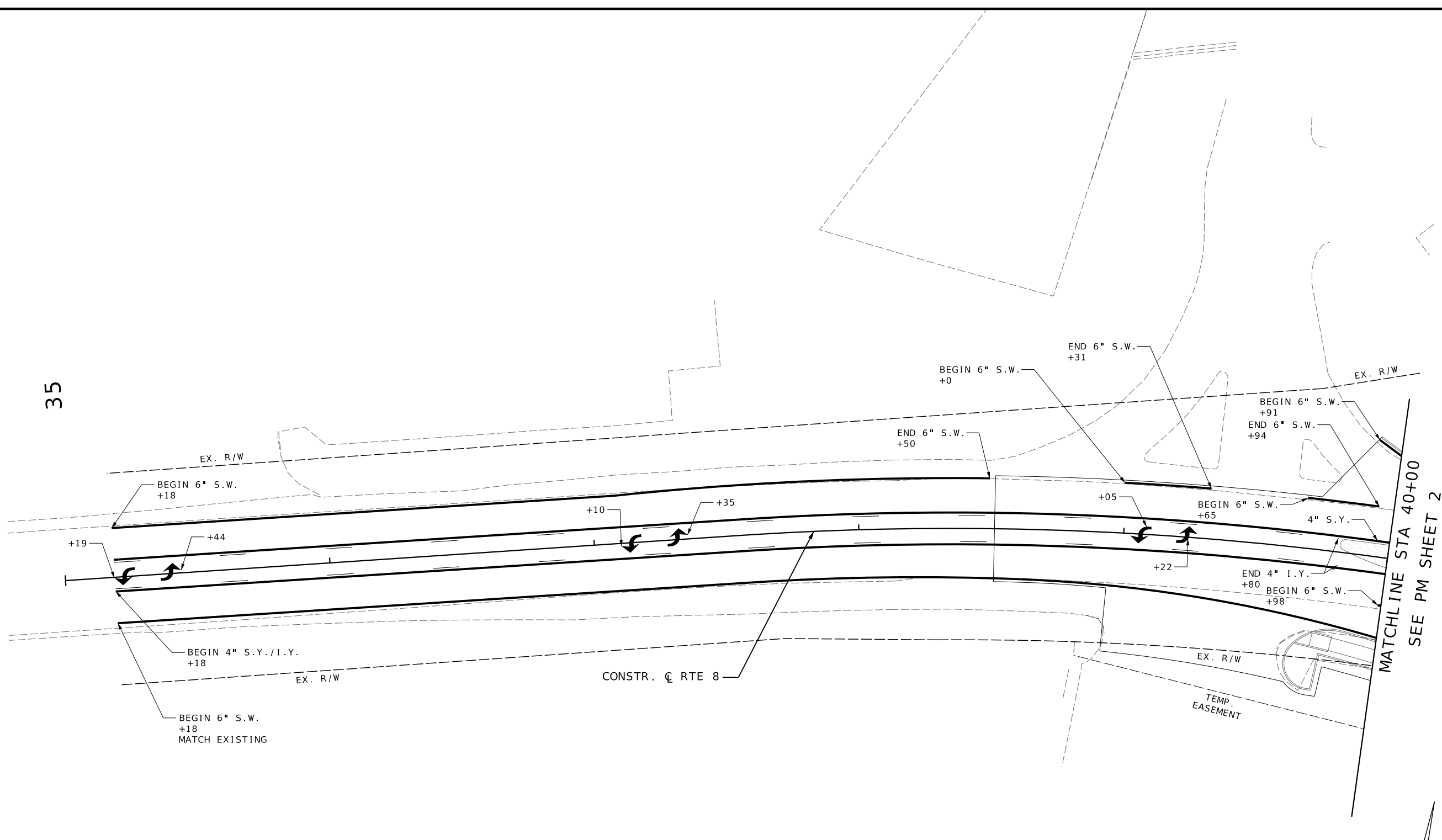
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

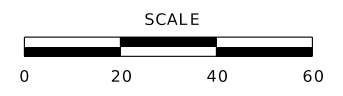
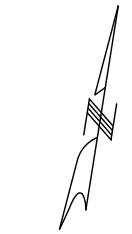
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design

13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578



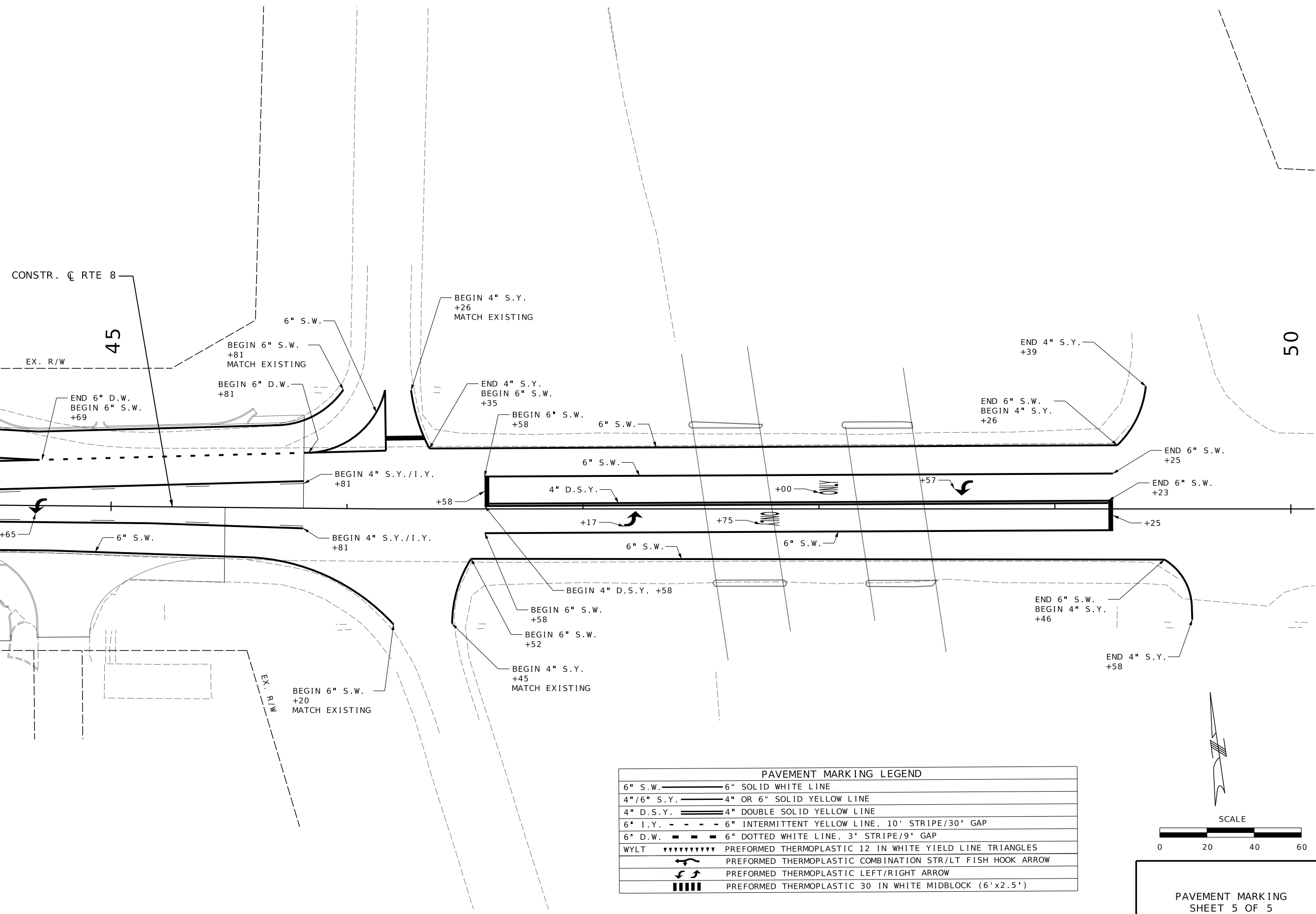
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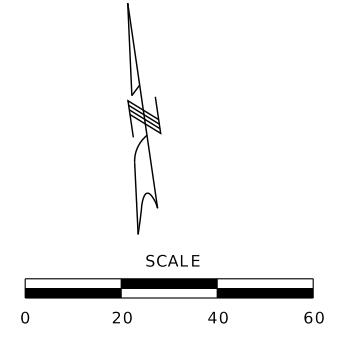
PAVEMENT MARKING  
SHEET 4 OF 5

PAVEMENT MARKING LEGEND	
6" S.W.	6" SOLID WHITE LINE (THERMOPLASTIC)
4" S.Y.	6" SOLID YELLOW LINE (THERMOPLASTIC)
4" D.S.Y.	4" DOUBLE SOLID YELLOW LINE (THERMOPLASTIC)
6" I.Y.	6" INTERMITTENT YELLOW LINE, 10' STRIPE/30' GAP (THERMOPLASTIC)
6" D.W.	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP (THERMOPLASTIC)
WYLT	PREFORMED THERMOPLASTIC 12 IN WHITE YIELD LINE TRIANGLES
	PREFORMED THERMOPLASTIC COMBINATION STR/LT FISH HOOK ARROW
	PREFORMED THERMOPLASTIC LEFT/RIGHT ARROW
	PREFORMED THERMOPLASTIC 30 IN WHITE MIDBLOCK (6'x2.5')

MATCHLINE STA 43+50  
SEE PM SHEET 2 OF 5



PAVEMENT MARKING LEGEND	
6" S.W.	6" SOLID WHITE LINE
4"/6" S.Y.	4" OR 6" SOLID YELLOW LINE
4" D.S.Y.	4" DOUBLE SOLID YELLOW LINE
6" I.Y.	6" INTERMITTENT YELLOW LINE, 10' STRIPE/30' GAP
6" D.W.	6" DOTTED WHITE LINE, 3' STRIPE/9' GAP
WYLT	PREFORMED THERMOPLASTIC 12 IN WHITE YIELD LINE TRIANGLES
	PREFORMED THERMOPLASTIC COMBINATION STR/LT FISH HOOK ARROW
	PREFORMED THERMOPLASTIC LEFT/RIGHT ARROW
	PREFORMED THERMOPLASTIC 30 IN WHITE MIDBLOCK (6'x2.5')



PAVEMENT MARKING  
SHEET 5 OF 5



Paul J. Kronlage  
12/30/2024 2:02:51 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED 12/30/2024	
ROUTE 8	STATE MO
DISTRICT SE	SHEET NO. 43
COUNTY ST FRANCOIS	
JOB NO. J9P3448	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**EFK Moen**  
Civil Engineering Design

13523 Barrett Parkway Dr  
Suite 250  
St. Louis, MO 63021  
Phone 314-394-3100  
Fax 314-394-3199  
Missouri Certificate of Authority: 001578



Paul J. Kronlage  
02/01/2025 2:01:47 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
1/21/2025

ROUTE 8 STATE MO

DISTRICT SE SHEET NO. 44

COUNTY ST FRANCOIS

JOB NO. 19P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

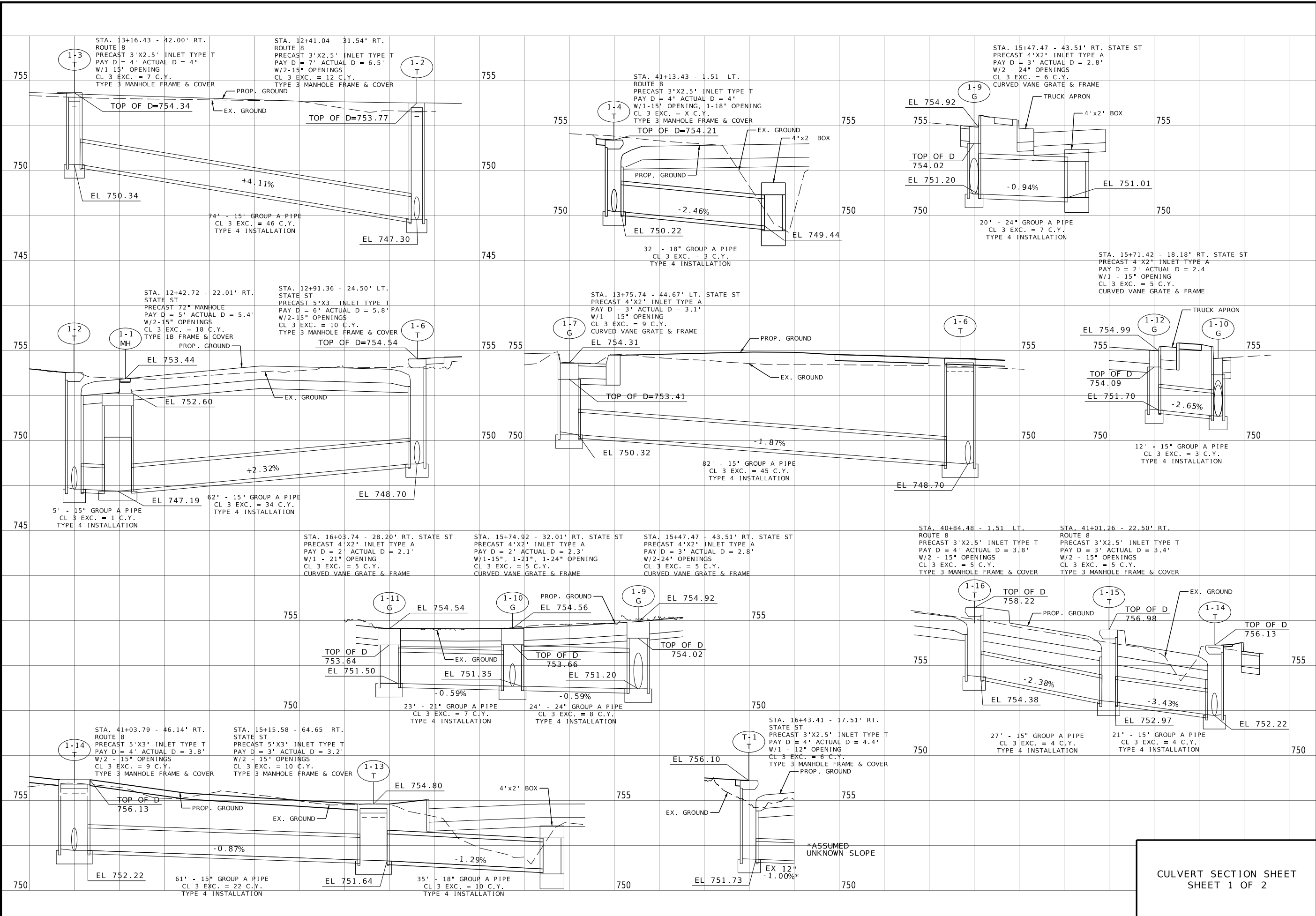
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

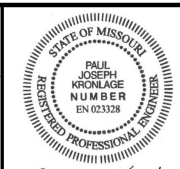
13523 Barrett Parkway Dr Suite 250 St. Louis, MO 63021

Phone 314-394-3100 Fax 314-394-3199

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CULVERT SECTION SHEET  
SHEET 1 OF 2



Paul J. Kronlage  
02/01/2025 2:03:19 PM  
Paul J. Kronlage - Civil  
MO PE - 023328

DATE PREPARED  
1/21/2025

ROUTE  
8 MO

DISTRICT  
SE SHEET NO.  
45

COUNTY  
ST FRANCIS

JOB NO.  
J9P3448

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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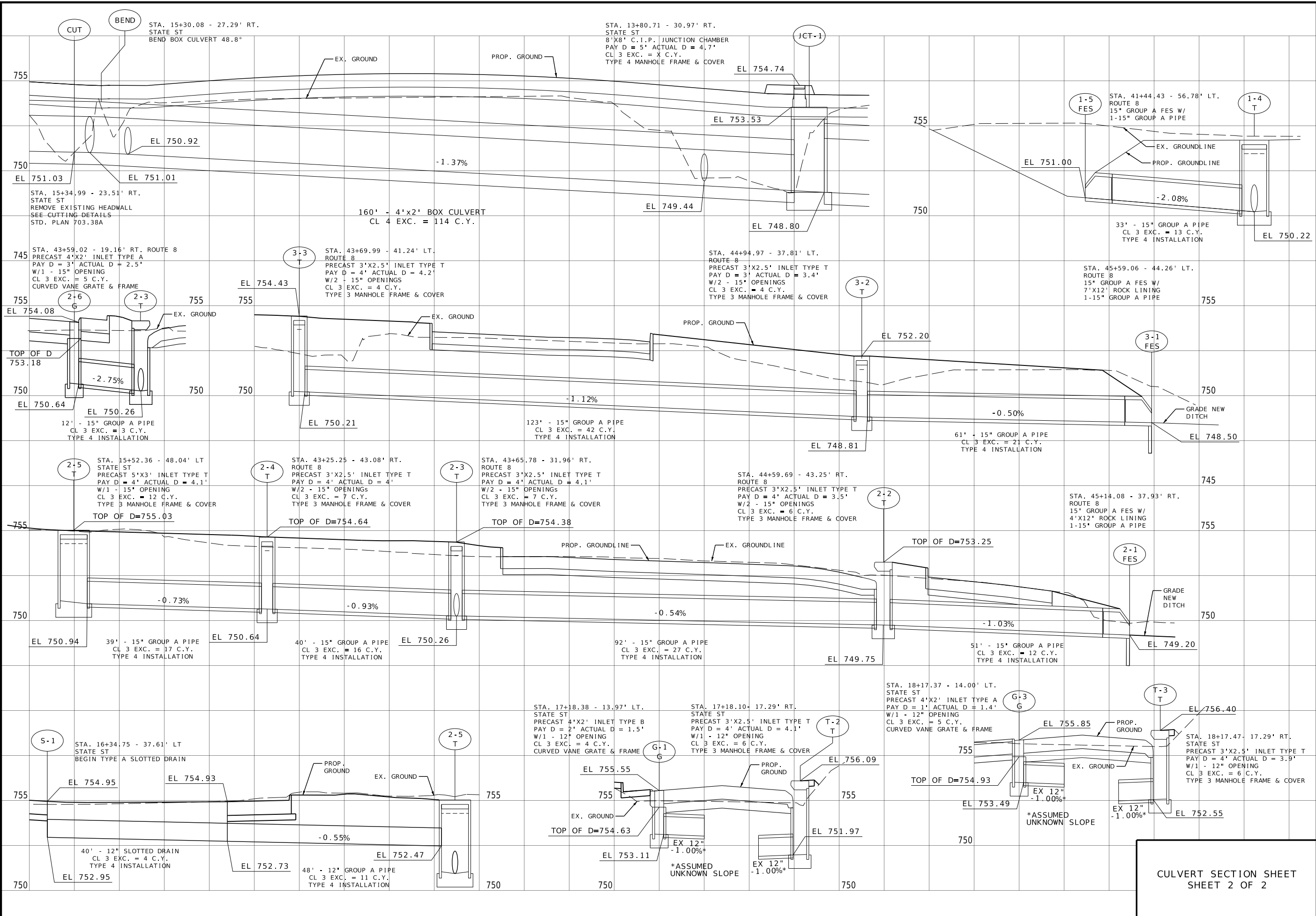
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Civil Engineering Design

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CULVERT SECTION SHEET  
SHEET 2 OF 2