

DESIGN DESIGNATION

CONSTRUCTION YEAR (2024) -----	31,757
DESIGN YEAR (2044) -----	35,088
DIRECTIONAL DISTRIBUTION (E/W) ----	50.1%/49.9%
PEAK HOUR -----	7.45%
PERCENT TRUCKS -----	5.04%
GROWTH RATE -----	0.50%
SPEED LIMIT -----	40 M.P.H.

FUNCTIONAL CLASSIFICATION -
PRINCIPAL ARTERIAL (SUNSHINE ST. W/O
EASTGATE AVE.)
MINOR ARTERIAL (SUNSHINE ST. E/O
EASTGATE AVE.)

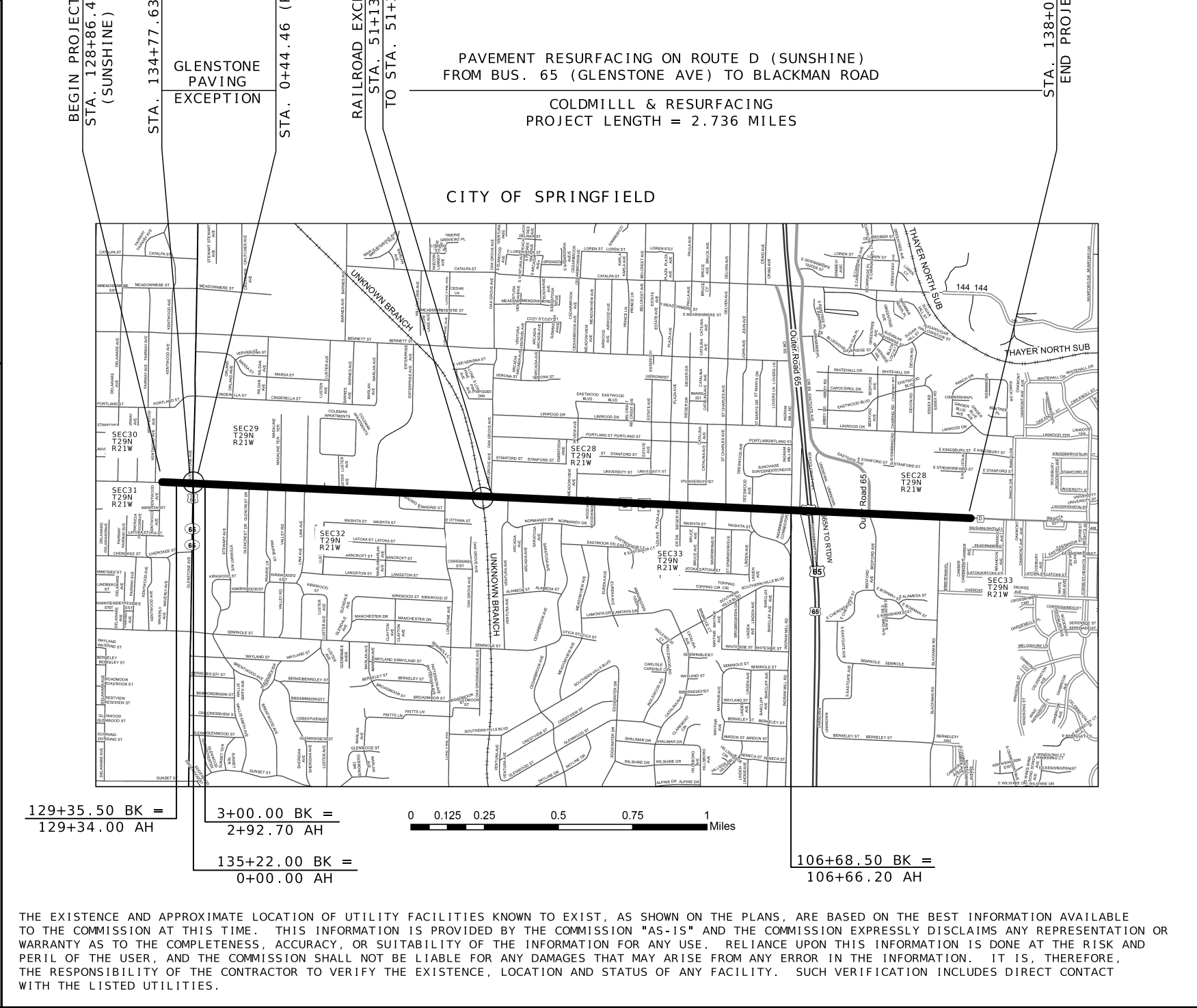
NO NEW R/W REQUIRED

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	
OVERHEAD CABLE TV	
UNDERGROUND CABLE TV	
OVERHEAD TELEPHONE	
UNDERGROUND TELEPHONE	
OVERHEAD POWER	
UNDERGROUND POWER	
SANITARY SEWER	
STORM SEWER	
GAS	
WATER	
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	
WOVEN WIRE	
GATE POST	
BENCHMARK	

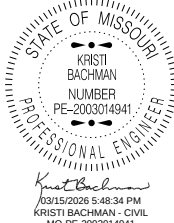
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY GREENE COUNTY



INDEX OF SHEETS	
DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (6 SHEETS)--	2
QUANTITIES (QU) (8 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-6
TRAFFIC CONTROL SHEETS (TC)-----	7-15
SIGNALS (SG)-----	16-27
PAVEMENT MARKING (PM)-----	28-47



Kristi Bachman
03/15/2026 5:48:34 PM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

DATE PREPARED
2/20/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 1

COUNTY
GREENE

JOB NO.
J850745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE									
DESCRIPTION									

TRANSPORTATION
 DIVISION

105 WEST CAPITOL
 CON CITY, MO 65102
 (1-888-275-6636)

LENGTH OF PROJECT

MISSOURI HIGHWAYS AND COMMISSIONS

JEFFERSON
1-888-ASK-MODOT

SUNSHINE:

BEGIN PROJECT STA 128+86.40

END PROJECT STA 135+22.00

EQUATION:

129+35.50 BK = 129+34.00 AH 1.5 FT

GLENSTONE PAVING EXCEPTION:

134+77.63 TO 135+22.00 -44.37 FT

EQUATION:

135+22.00 BK = 0+00.00 AH 0.00 FT

APPARENT LENGTH:

635.60 FT

TOTAL CORRECTIONS:

42.87 FT

OVERALL LENGTH:

592.73 FT

ROUTE D:

BEGIN PROJECT STA 0+00.00

END PROJECT STA STA 138+05.57

GLENSTONE PAVING EXCEPTION

0+00.00 TO 0+44.46 -44.46 FT

EQUATION:

3+00.00 BK = 2+92.70 AH 7.30 FT

RAILROAD EXCEPTION:

51+13.34 - 51+23.34 -10.00 FT

EQUATION:

106+68.50 BK = 106+66.20 AH 2.30 FT

APPARENT LENGTH:

13,805.57 FT

TOTAL CORRECTIONS:

-44.86 FT

OVERALL LENGTH:

13,760.71 FT

NET LENGTH OF PROJECT:

14,353.44 FT

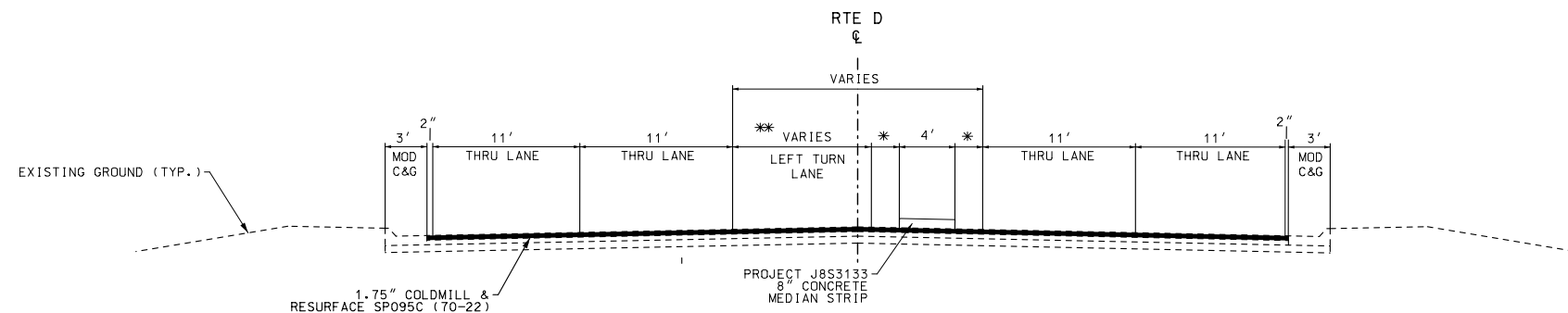
STATE LENGTH:

2.718 MILES

FOR INFORMATION ONLY

ESTIMATED DISTURBED ACRES

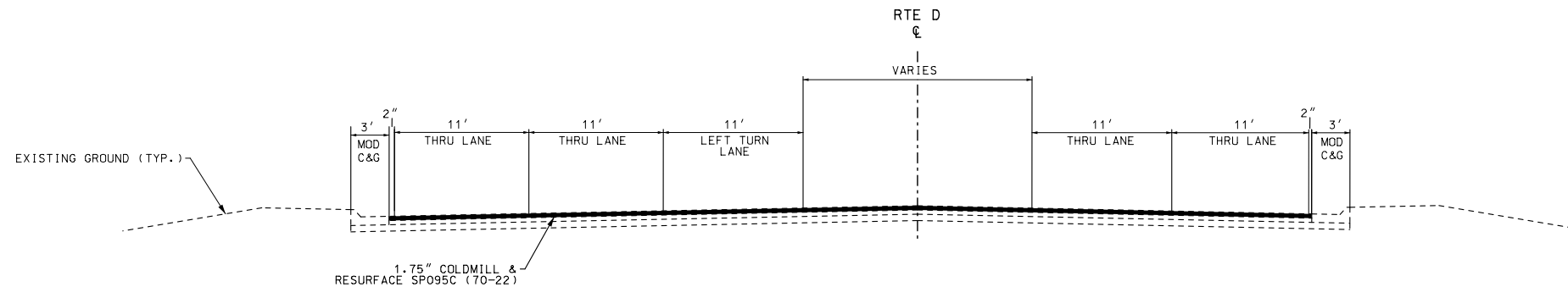
0.0 ACRES



ASPHALT FACTORS		
SP095C (PG70-22)	COMBINED FACTOR	% AC
	1.980 TONS/CY	5.4
TACK COAT		
OVERLAY (UNDILUTED)	0.10 GAL/SY	
IRREGULARITIES: 75 TONS/MI		

SECTION ON TANGENT

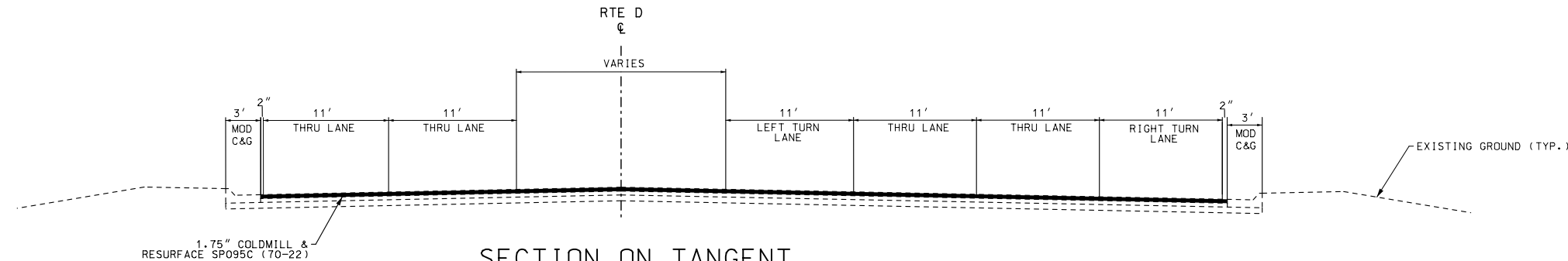
TYPICAL SECTION ROUTE D
STA. 27+19.00 TO STA. 29+20.87
STA. 38+21.70 TO STA. 40+90.33
STA. 66+51.76 TO STA. 68+69.58
STA. 72+28.51 TO STA. 74+83.16
STA. 92+14.73 TO STA. 95+00.84
STA. 100+22.00 TO STA. 103+53.70
STA. 121+85.90 TO STA. 127+38.74
STA. 127+72.87 TO STA. 129+15.88



SECTION ON TANGENT

TYPICAL SECTION ROUTE D
STA. 26+43.20 TO STA. 27+19.00
STA. 45+43.71 TO STA. 48+12.88
STA. 56+76.93 TO STA. 58+85.92
STA. 85+48.91 TO STA. 87+50.88
STA. 119+91.52 TO STA. 121+85.90
STA. 127+38.74 TO STA. 127+72.87

△△ THROUGH INTERSECTION OF EASTGATE AVE. FROM
STA. 119+93.22 TO STA. 121+09.90
* SEE STRIPING SHEET 1 OF 20 FOR STRIPING LAYOUT
** LEFT TURN LANE TAPERS TO 0' FROM 11'
BETWEEN 126+99.94 TO 127+34.00
BETWEEN 102+98.59 TO 103+49.77
BETWEEN 74+23.15 TO 74+79.96

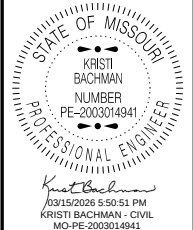


SECTION ON TANGENT

TYPICAL SECTION ROUTE D
STA. 23+07.68 TO STA. 26+43.20

△ THROUGH INTERSECTION OF LUSTER AVE. FROM
STA. 25+33.32 TO STA. 26+43.20

TYPICAL SHEET
SHEET 2 OF 6



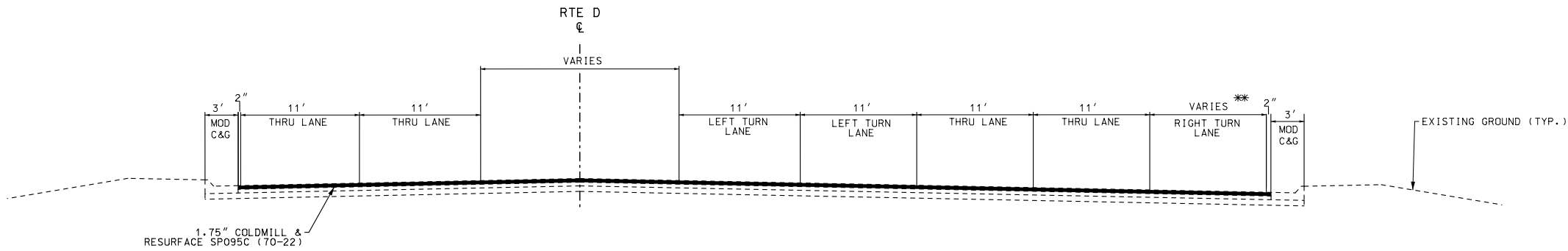
DATE PREPARED	
11/18/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
GREENE	
JOB NO.	
J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION									
DATE									

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ASPHALT FACTORS	
COMBINED FACTOR	% AC
SP095C (PG70-22) 1.980 TONS/CY	5.4
TACK COAT	
OVERLAY (UNDILUTED)	0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI	

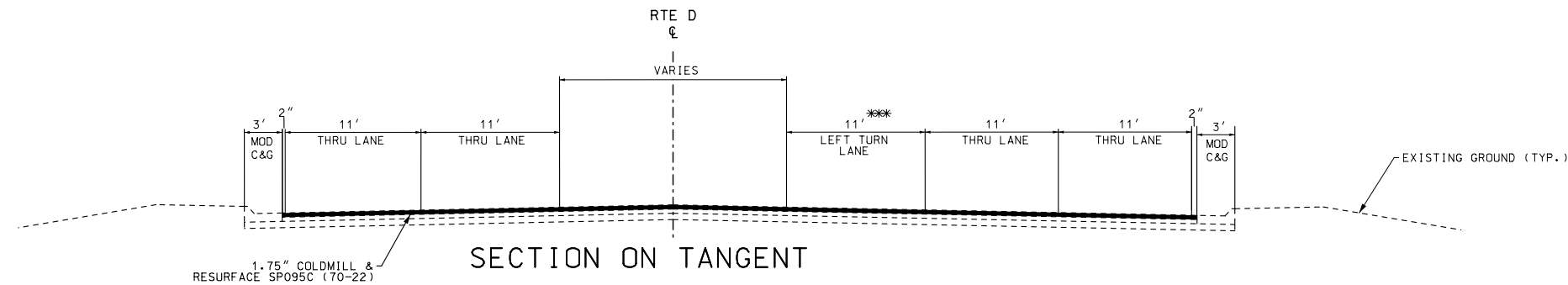


SECTION ON TANGENT

TYPICAL SECTION ROUTE D

STA. 105+95.54 TO STA. 111+10.12

THROUGH INTERSECTION OF PLAZA AVE. FROM
STA. 108+98.74 TO STA. 111+10.12



SECTION ON TANGENT

TYPICAL SECTION ROUTE D

STA. 31+32.14 TO STA. 32+97.77
STA. 43+74.37 TO STA. 45+43.71
STA. 50+68.69 TO STA. 53+75.33
STA. 81+13.34 TO STA. 85+48.91
STA. 103+53.70 TO STA. 105+95.54
STA. 119+22.69 TO STA. 119+91.52

THROUGH INTERSECTION OF ENTERPRISE AVE. FROM
STA. 32+02.57 TO STA. 32+97.77

THROUGH INTERSECTION OF LONE PINE AVE. FROM
STA. 44+54.13 TO STA. 45+43.71

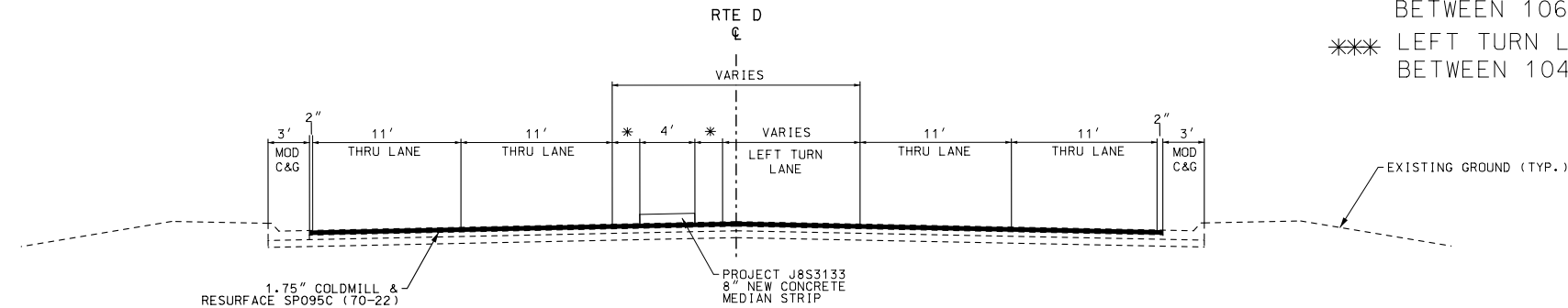
THROUGH INTERSECTION OF OAK GROVE AVE. FROM
STA. 52+47.06 TO STA. 53+75.33

THROUGH INTERSECTION OF PLAZA AVE. FROM
STA. 83+41.58 TO STA. 85+48.91

* SEE STRIPING SHEET 1 OF 20

** RIGHT TURN LANE TAPERS TO 11' FROM 0'
BETWEEN 106+22.65 TO 107+13.44

*** LEFT TURN LANE TAPER TO 22' FROM 11'
BETWEEN 104+02.80 TO 105+95.35

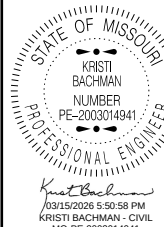


SECTION ON TANGENT

TYPICAL SECTION ROUTE D

STA. 29+20.87 TO STA. 31+32.14
STA. 40+90.33 TO STA. 43+74.37
STA. 68+69.58 TO STA. 71+26.25
STA. 95+00.84 TO STA. 96+13.74
STA. 117+39.05 TO STA. 119+22.69

TYPICAL SHEET
SHEET 3 OF 6



DATE PREPARED

11/18/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 2

COUNTY GREENE

JOB NO. J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

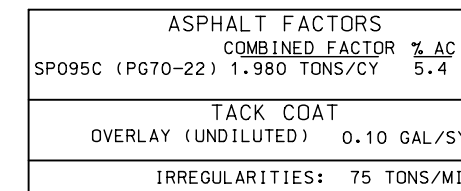
DESCRIPTION

DATE

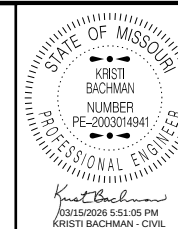
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT



TYPICAL SHEET
SHEET 4 OF 6



DATE PREPARED
11/18/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	2

COUNTY
GREENE

JOB NO.
J8S0745

CONTRACT ID.

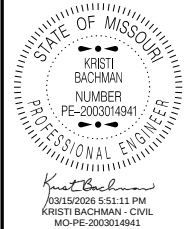
PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

ASPHALT FACTORS		
COMBINED FACTOR		% AC
SP095C (PG70-22)	1.980 TONS/CY	5.4
TACK COAT		
OVERLAY (UNDILUTED)		0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI		



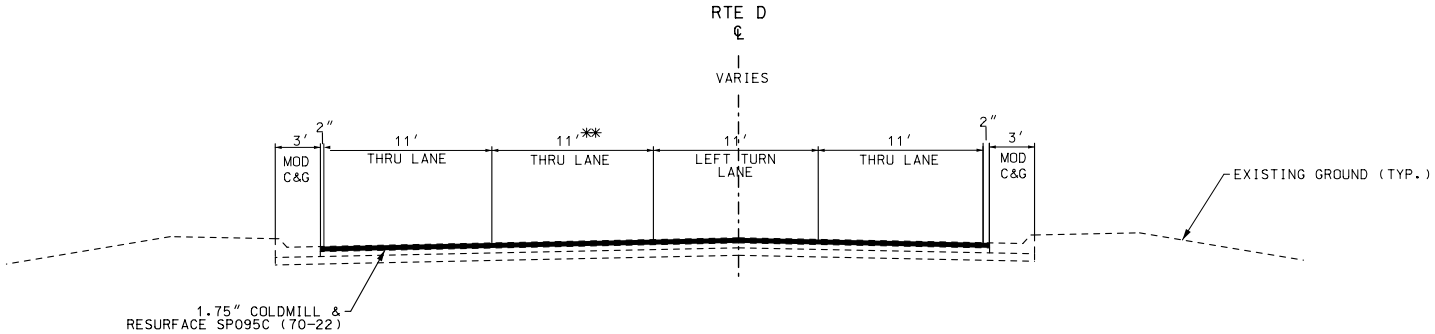
DATE PREPARED		11/18/2025
ROUTE	D	STATE MO
DISTRICT	SW	SHEET NO. 2
COUNTY GREENE		
JOB NO. J8S0745		
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

DESCRIPTION	DATE

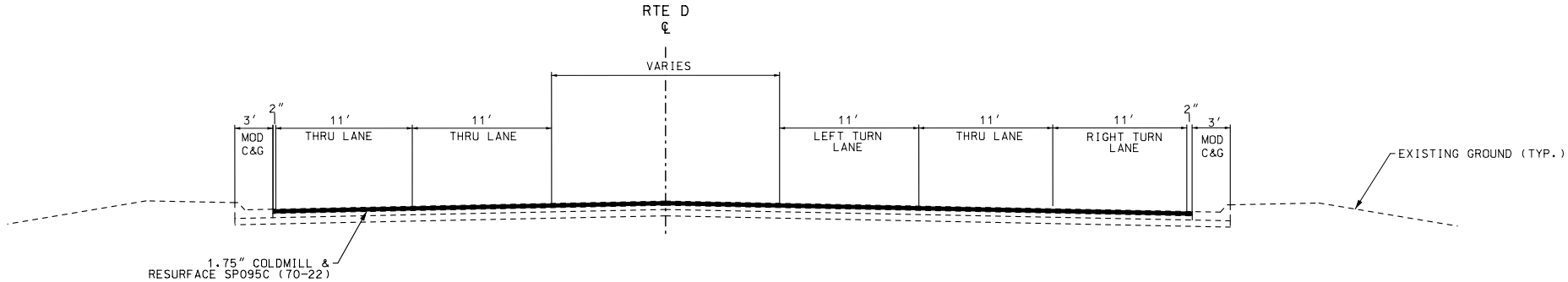
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

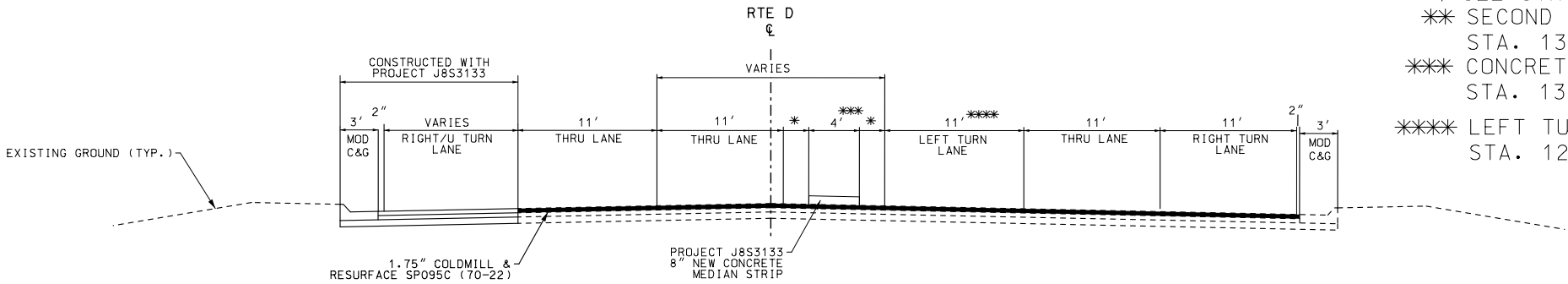


SECTION ON TANGENT
TYPICAL SECTION ROUTE D
STA. 133+64.62 TO STA. 135+52.67

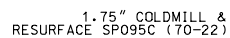


SECTION ON TANGENT
TYPICAL SECTION ROUTE D
STA. 131+09.11 TO STA. 133+64.62 Δ

Δ THROUGH INTERSECTION OF BLACKMAN ROAD FR
STA. 132+75.03 TO STA. 133+64.62



SECTION ON TANGENT
TYPICAL SECTION ROUTE D
STA. 129+15.88 TO STA. 131+09.11

[illegible]

TYPICAL SECTION ROUTE D
STA. 135+52.67 TO STA. 138+05.57

TYPICAL SHEET
SHEET 6 OF 6

ASPHALT, TACK, COLDMILLING													
LT/RT	STATION	TO	STATION	NET	NET	AVG.	MEASURED	SP095C	MILLED	TACK	COLDMILLING	REMARKS	
				LENGTH	LENGTH	WIDTH	AREA	1.75"		AREA?	0.10		3 IN OR LESS
				LF	MI	LF	SF	TONS		(Y/N)	GAL		SY
LT/RT	128+86.40	-	129+35.50	49.1	0.009		3149.8	33.7	Y	35.0	350.0	BEGIN PROJECT TO EQUATION	
LT/RT	129+34.00	-	134+77.63	543.6	0.103		48806.2	522.0	Y	542.3	5422.9	EQUATION TO EXCEPTION AT GLENSTONE	
LT/RT	0+44.46	-	3+00.00	255.5	0.048		24933.6	266.7	Y	277.0	2770.4	EXCEPTION AT GLENSTONE TO EQUATION	
LT/RT	2+92.70	-	51+13.34	4820.6	0.913		310546.7	3321.1	Y	3450.5	34505.2	EQUATION TO EXCEPTION AT RAILROAD	
LT/RT	51+23.34	-	106+68.50	5545.2	1.050		344829.2	3687.8	Y	3831.4	38314.4	EXCEPTION AT RAILROAD TO EQUATION AT INGRAM MILL ROAD	
LT/RT	106+66.20	-	138+05.57	3139.4	0.595		195130.4	2086.8	Y	2168.1	21681.2	EQUATION AT INGRAM MILL ROAD TO END PROJECT	
LT/RT	128+86.40	-	138+05.57	-	-		-	202.5	-	-	-	IRREGULARITIES 75 TONS / MILE	
TOTAL								10120.6	-	10304.3	103044.1	ANY AND ALL IRREGULARITIES MAY BE UNDERRUN AND NO ADJUSTMENTS TO ANY UNIT BID COST WILL BE MADE	
USE								10120.6	-	10305	103045		

PAVEMENT MARKING REMOVAL							
ROUTE	LOCATION	STATION	TO	STATION	OFFSET	PAVEMENT MARKING REMOVAL	
						LF	
						REMARKS	
D	WALMART ENTRANCE	127+00.00	-	128+00.00	RT 46.52	281.3	
TOTAL						281	

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

INDUCTION LOOP DETECTOR CABLE - IN DUCT					
SHEET	STATION	LOCATION	LOOP SIZE	LOOP DETECTOR CABLE	REMARKS
				LF	
20	108+37.94 R5	RTE. D & US 65	6' x 30'	394	EB RTE. D LEFT TURN LANE
20	108+37.94 R5	RTE. D & US 65	6' x 30'	374	EB RTE. D LEFT TURN LANE
20	108+94.29 R5	RTE. D & US 65	6' x 6'	132	EB RTE. D THRU LANE
20	108+94.29 R5	RTE. D & US 65	6' x 6'	118	EB RTE. D THRU LANE
20	111+14.23 R5	RTE. D & US 65	6' x 6'	118	WB RTE. D THRU LANE
20	111+14.23 R5	RTE. D & US 65	6' x 6'	130	WB RTE. D THRU LANE
20	111+70.60 R5	RTE. D & US 65	6' x 30'	362	WB RTE. D LEFT TURN LANE
20	111+70.60 R5	RTE. D & US 65	6' x 30'	384	WB RTE. D LEFT TURN LANE
20	111+09.91 R5	US 65 NB OFF-RAMP	6' x 30'	330	NB TO WB LEFT LANE
20	111+18.09 R5	US 65 NB OFF-RAMP	6' x 30'	360	NB TO WB LEFT LANE
20	111+99.39 R5	US 65 NB OFF-RAMP	6' x 30'	332	NB TO EB RIGHT LANE
20	112+10.64 R5	US 65 NB OFF-RAMP	6' x 30'	352	NB TO EB RIGHT LANE
TOTAL				3386	
USE				3390	

SIGNAL HEAD RELOCATIONS				
SHEET	ROUTE	LOCATION	RELOCATE SIGNAL HEAD	REMARKS
			EACH	
18	D	PLAZA (WEST)	2	SIGNAL HEADS #81, #82
18	D	PLAZA (EAST)	1	SIGNAL HEAD #41
19	D	INGRAM MILL	2	SIGNAL HEADS #81, #82
20	D	US 65 (WEST)	4	SIGNAL HEADS #31, #32, #81, & #82
20	D	US 65 (EAST)	4	SIGNAL HEADS #41, #42, #72, & #71
21	D	EASTGATE	4	SIGNAL HEADS #41, #42, #81, & #82
22	D	BLACKMAN	3	SIGNAL HEADS #41, #42, & #81
TOTAL			20	*ALL SIGNAL HEADS TO BE CENTERED OVER RESTRIPE LINES

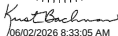
STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER



06/02/2026 8:33:05 AM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

5/4/2026

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

3

COUNTY

GREENE

JOB NO.

J850745

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)

[illegible]

PAVEMENT MARKING CONT'D

ROUTE	STATION	OFFSET	TO	STATION	OFFSET	HIGH BUILD PAINT WITH TYPE L BEADS						PREFORMED THERMOPLASTIC MARKING						REMARKS
						4" SOLID YELLOW	4" INTERMITTENT YELLOW	6" SOLID WHITE	6" INTERMITTENT WHITE	6" SOLID YELLOW	12" WIDE DOTTED SW	24" WHITE	24" YELLOW	RT/LT ARROW	Fish Hook Arrow	24x36 YIELD TRIANGLES	RAILROAD CROSSING	
						LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	
D	12+15.29	CL	-											2				LEFT AND RIGHT CENTER TURN ARROWS
D	17+16.10	CL	-											2				LEFT AND RIGHT CENTER TURN ARROWS
D	22+14.78	CL	-											2				LEFT AND RIGHT CENTER TURN ARROWS
D	22+40.56	RT 7.92	-	25+13.52	LT 2.08	548.2												EAST BOUND DSY LEFT TURN LANE BEFORE LUSTER AVE
D	23+05.53	LT 7.91	-	25+13.52	LT 8.58	415.8												WEST BOUND DSY BEFORE LUSTER AVE
D	23+05.53	LT 7.91	-	25+13.52	LT 8.58								36.5					24" SY HASH MARKS BETWEEN DSY STRIPS BEFORE LUSTER AVE
D	23+07.68	RT 8.58	-	25+31.32	LT 8.58			228.9										EAST BOUND LEFT TURN LANE STRIP TO LUSTER AVE
D	23+32.88	CL	-	24+32.88	CL									2				EAST BOUND LEFT ARROWS TO LUSTER AVE
D	23+16.28	RT 30.58	-	24+25.34	RT 30.58				87.9									EAST BOUND IW RIGHT TURN LANE STRIP TO LUSTER AVE
D	24+25.34	RT 30.58	-	25+31.32	RT 30.58			107.9										EAST BOUND RIGHT TURN LANE STRIP TO LUSTER AVE
D	23+16.28	RT 30.58	-	25+34.20	RT 43.25			218.4										EAST BOUND RIGHT TURN EOP STRIP TO LUSTER AVE
D	24+55.48	RT 39.95	-											1				EAST BOUND RIGHT TURN ARROW TO LUSTER AVE
D	25+16.52	LT 2.08	-	25+31.32	RT 30.58							32.6						EAST BOUND STOP BARS BEFORE LUSTER AVE
D	25+45.92	RT 48.28	-	26+23.99	RT 52.14							84.0						MIDBLOCKS ACROSS LUSTER AVE EAST BOUND
D	25+67.03	LT 42.19	-	26+17.8	LT 42.38							54.0						MIDBLOCKS ACROSS LUSTER AVE WEST BOUND
D	26+38.14	RT 37.47	-	26+38.14	LT 30.84							78.0						MIDBLOCKS ACROSS RTE. D AFTER LUSTER AVE
D	26+58.42	RT 30.58	-	32+02.57	RT 30.58			564.2										EAST BOUND EOP START AT LUSTER AVE TO ENTERPRISE AVE
D	26+42.07	LT 30.88	-	32+12.37	LT 31.00			569.9										WEST BOUND EOP START AT LUSTER AVE TO ENTERPRISE AVE
D	26+43.20	LT 30.88	-	26+69.00	RT 7.00							33.9						WEST BOUND STOP BAR AFTER LUSTER AVE
D	26+68.60	RT 20.00	-	31+99.56	RT 20.00				530.2									EAST BOUND IW STRIP STARTS AT LUSTER AVE TO ENTERPRISE AVE
D	26+44.19	LT 18.03	-	31+99.06	LT 18.03				531.1									WEST BOUND IW STRIP START AT LUSTER AVE TO ENTERPRISE AVE
D	26+73.39	LT 5.11	-	27+19.18	LT 6.03							19.4						24" SW CHEVRONS BETWEEN WEST BOUND INNER AND OUTER TURN LANE STRIPS
D	26+69.39	RT 7.00	-	27+19.00	RT 6.04					101.0								WEST BOUND 6" SY STRIPS CONNECTING MEDAIN TO LEFT TURN STOP BAR
D	26+69.00	LT 3.03	-	27+69.00	LT 7.03			100.1										WEST BOUND INNER LEFT TURN LANE STRIP TO LUSTER AVE
D	26+43.20	LT 7.03	-	28+70.12	LT 7.03			227.1										WEST BOUND OUTER LEFT TURN LANE STRIP TO LUSTER AVE
D	27+19.00	RT 6.04	-	31+32.00	LT 5.99	2487.9												SY BARRIER BETWEEN LUSTER AND ENTERPRISE AVE
D	27+48.44	RT 0.56	-											1				WEST BOUND LEFT TURN ARROWS TO LUSTER AVE
D	29+75.90	CL	-	31+00.90	CL									2				EAST BOUND LEFT TURN ARROW TO ENTERPRISE AVE
D	29+61.10	RT 8.58	-	32+02.45	RT 8.58			241.5										EAST BOUND OUTER LEFT TURN LANE STRIP TO ENTERPRISE AVE
D	30+81.29	RT 8.58	-	31+81.07	RT 4.59			99.8										EAST BOUND INNER LEFT TURN LANE STRIP TO ENTERPRISE AVE
D	31+29.10	RT 7.00	-	31+77.96	RT 5.27							14.5						24" SW CHEVRONS BETWEEN EAST BOUND INNER AND OUTER TURN LANE STRIPS
D	31+32.00	LT 5.99	-	31+81.29	LT 2.53					103.6								EAST BOUND 6" SY STRIPS CONNNECTING MEDAIN TO LEFT TURN STOP BAR
D	31+81.28	LT 7.00	-	32+02.55	RT 31.00							34.1						EAST BOUND STOP BARS BEFORE ENTERPRISE AVE
D	32+12.50	RT 31.62	-	32+12.50	LT 30.28							72.0						MIDBLOCKS ACROSS RTE. D BEFORE ENTERPRISE AVE
D	32+23.67	RT 41.36	-	32+65.17	RT 41.06							42.0						MIDBLOCKS ACROSS ENTERPRISE AVE EAST BOUND
D	32+28.91	LT 52.49	-	32+73.92	LT 52.48							36.0						MIDBLOCKS ACROSS ENTERPRISE AVE WEST BOUND
D	32+86.07	RT 33.95	-	32+86.07	LT 44.25							84.0						MIDBLOCKS ACROSS RTE. D AFTER ENTERPRISE AVE
D	32+96.58	LT 43.00	-	33+14.63	RT 7.00							44.1						WEST BOUND STOP BAR AFTER ENTERPRISE AVE
D	33+12.22	LT 3.11	-	34+12.78	LT 8.58			100.7										WEST BOUND INNER LEFT TURN LANE STRIP TO ENTERPRISE AVE
D	33+06.42	LT 9.00	-	35+25.95	LT 8.58			229.3										WEST BOUND OUTER TURN LANE STRIP TO ENTERPRISE AVE
D	33+06.42	RT 6.35	-	33+67.70	RT 6.21					88.8								WEST BOUND 6" SY STRIPS CONNECTING MEDAIN TO LEFT TURN STOP BAR
D	32+92.49	RT 31.51	-	43+84.08	RT 30.58			1091.7										EAST BOUND EOP START AT ENTERPRISE AVE TO LONE PINE AVE
D	32+64.80	LT 61.97	-	44+37.59	LT 30.58			1095.8										WEST BOUND EOP START AT ENTERPRISE AVE TO LONE PINE AVE
D	32+98.59	LT 30.95	-	34+73.19	LT 30.58			174.5										WEST BOUND RIGHT TURN LANE STRIP TO ENTERPRISE AVE
D	33+75.95	LT 39.75	-	34+50.95	LT 39.75									2				WEST BOUND RIGHT TURN ARROWS TO ENTERPRISE AVE
D	33+86.16	CL	-	35+10.95	CL									2				WEST BOUND LEFT TURN ARROWS TO ENTERPRISE
D	33+67.70	RT 6.21	-	35+85.97	LT 5.34	1349.7												SY BARRIER BETWEEN ENTERPRISE AND MADRID
D	35+32.74	RT 8.58	-	36+39.07	RT 8.58	223.4												EAST BOUND 4" DSY STRIP CONNECTED TO THE MEDAIN
D	35+85.97	LT 5.34	-	36+39.07	LT 7.58	106.3												WEST BOUND 4" DSY STRIP CONNECTED TO THE MEDAIN
D	35+80.23	RT 4.33	-	36+28.65	CL								32.3					24" SY HASH MARKS BETWEEN DSY STRIPS AFTER ENTERPRISE AVE
D	35+35.65	LT 59.59	-	37+11.93	LT 30.90			186.2										WEST BOUND LEFT TURN LANE STRIP
D	36+22.76	LT 41.89	-	36+82.36	LT 41.93									2				WEST BOUND LEFT TURN ARROW
D	37+19.00	RT 5.04	-	43+73.99	LT 6.12	3941.7												SY BARRIER BETWEEN MADRID AND LONE PINE AVE
D	37+23.29	LT 8.58	-	40+53.26	RT 8.58			329.9										WEST BOUND LEFT TURN LANE STRIP TO MADRID
D	38+01.41	CL	-	40+01.85	CL									2				WEST BOUND LEFT TURN ARROW TO MADRID
D	33+18.23	LT 19.00	-	44+59.10	LT 19.58				1141.7									WEST BOUND IW STRIP START AT ENTERPRISE AVE TO LONE PINE AVE
D	33+12.62	RT 19.33	-	44+52.12	RT 19.58				1139.5									EAST BOUND IW STRIP START AT ENTERPRISE AVE TO LONE PINE AVE
D	41+21.87	RT 8.58	-	44+54.12	RT 8.58			332.0										EAST BOUND OUTER LEFT TURN LANE STRIP TO LONE PINE AVE
D	41+46.54	CL	-	43+46.74	CL									2				EAST BOUND LEFT TURN ARROWS TO LONE PINE AVE
D	43+24.69	RT 8.58	-	44+22.10	RT 4.47			97.5										EAST BOUND INNER LEFT TURN LANE STRIP TO LONE PINE AVE
D	43+68.89	RT 7.68	-	44+21.36	RT 6.73							11.3						24" SW HASH MARKS BETWEEN INNER AND OUTER TURN LANE STRIPS TO LONE PINE AVE
D	43+73.99	LT 6.17	-	44+22.89	LT 7.41	188.8												DSY STRIP CONNECTING MEDAIN TO THE EAST BOUND STOP BAR
SUBTOTAL SHEET 2						9261.8	0.0	5995.4	857.6	293.4	0.0	639.9	68.8	22.0	0.0	0.0	0.0	

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

DATE PREPARED

1/22/2026

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

3

COUNTY

GREENE

JOB NO.

J8S0745

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)

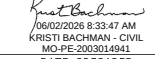
SUMMARY OF QUANTITIES
SHEET 3 OF 8

PAVEMENT MARKING CONT'D																	STATE OF MISSOURI KRISTI BACHMAN NUMBER PE-2003014941 PROFESSIONAL ENGINEER 06/02/2026 8:33:25 AM KRISTI BACHMAN - CIVIL MO-PE-2003014941 DATE PREPARED 5/6/2026 ROUTE D DISTRICT SW STATE MO SHEET NO. 3 COUNTY GREENE JOB NO. J8S0745 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)			
ROUTE	STATION	OFFSET	TO	STATION	OFFSET	HIGH BUILD PAINT WITH TYPE L BEADS						PREFORMED THERMOPLASTIC MARKING							REMARKS	
						4" SOLID YELLOW	4" INTERMITTENT YELLOW	6" SOLID WHITE	6" INTERMITTENT WHITE	6" SOLID YELLOW	12" WIDE DOTTED SW	24" WHITE	24" YELLOW	RT/LT ARROW	Fish Hook Arrow	24x36 YIELD TRIANGLES				RAILROAD CROSSING
						LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA			
D	44+21.71	LT 6.10	-	44+54.12	RT 30.53							32.5					EAST BOUND STOP BARS AT LONE PINE AVE			
D	44+46.34	RT 52.84	-													7	EAST BOUND RIGHT TURN LANE WDW BEFORE MIDBLOCKS TO LONE PINE AVE			
D	44+60.87	RT 71.03	-													7	EAST BOUND RIGHT TURN LANE WDW AFTER MIDBLOCKS TO LONE PINE AVE			
D	44+51.83	RT 64.74	-	44+61.43	RT 51.20							30.0					MIDBLOCKS FROM SIDE WALK TO BOTTOM LEFT ISLAND			
D	44+79.70	RT 45.02	-	45+13.51	RT 48.67							42.0					MIDBLOCKS ACROSS LONE PINE AVE			
D	44+63.49	RT 32.58	-	44+62.82	LT 35.91							78.0					MIDBLOCKS ACROSS ROUTE D			
D	44+62.73	LT 42.95	-	45+17.97	LT 47.74							60.0					MIDBLCK ACROSS LONE PINE AVE TO TOP RIGHT ISLAND			
D	45+44.88	LT 47.28	-	45+59.28	LT 69.53							30.0					MIDBLOCKS FROM TOP RIGHT ISLAND TO SIDEWALK			
D	45+41.71	LT 30.98	-	45+41.71	RT 2.08							33.1					WEST BOUND STOP BAR AT LONE PINE AVE			
D	45+41.71	RT 2.08	-	47+50.04	RT 8.58	475.4											DSY STRIP CONNECTING TO EAST BOUND CENTER TURN LANE STRIP			
D	45+41.71	RT 2.08	-	47+44.70	RT 2.08	405.8											DSY STRIP WEST BOUND TURN LANE STRIP			
D	45+41.71	RT 5.33	-	47+50.04	RT 5.33							31.8					24" SY HASH MARKS BETWEEN DSY STRIPS			
D	45+41.71	LT 8.58	-	47+27.88	LT 8.58			184.2									WEST BOUND LEFT TURN LANE STRIP TO LONE PINE AVE			
D	46+22.32	CL	-	46+96.99	CL									2			WEST BOUND LEFT TURN ARROWS TO LONE PINE AVE			
D	45+41.71	LT 30.58	-	52+56.20	LT 30.58			740.3									WEST BOUND EOP START AT LONE PINE AVE TO OAK GROVE AVE			
D	45+33.74	RT 30.58	-	52+56.99	RT 30.58			723.3									EAST BOUND EOP START AT LONE PINE AVE TO OAK GROVE AVE			
D	45+43.71	LT 19.58	-	52+53.02	LT 19.58				709.3								WEST BOUND IW STRIP START AT LONE PINE AVE TO OAK GROVE AVE			
D	47+12.89	RT 19.58	-	52+44.66	RT 19.58				543.0								EAST BOUND IW STRIP START AT LONE PINE AVE TO OAK GROVE AVE			
D	46+48.35	RT 30.58	-	46+48.35	RT 8.58							22.0					EAST BOUND RAILROAD STOP BAR BEFORE MARKINGS			
D	46+99.35	RT 30.58	-	46+99.35	RT 8.58							22.0					EAST BOUND RAILROAD STOP BAR AFTER MARKINGS			
D	46+74.37	RT 26.17	-													2	EAST BOUND RAILRAOD CROSSING MARKING			
D	47+30.42	LT 8.58	-	50+56.61	LT 8.58	326.2											CENTER TURN LANE WEST BOUND 4" SY			
D	47+30.37	LT 7.58	-	50+36.89	LT 7.58		81.6										CENTER TURN LANE WEST BOUND 4" IY			
D	47+50.04	RT 8.58	-	50+19.82	RT 8.58	309.3											CENTER TURN LANE EAST BOUND 4" SY			
D	47+71.92	RT 7.58	-	50+20.32	RT 7.58		77.5										CENTER TURN LANE EAST BOUND 4" IY			
D	48+09.74	LT 48.86	-	48+43.39	LT 52.28							30.0					WEST BOUND MID BLOCKS CROSSING ENTRANCE			
D	48+77.83	LT 52.03	-	49+27.25	LT 52.03							30.0					WEST BOUND MID BLOCKS CROSSING ENTRANCE			
D	49+00.00	CL	-											2			LEFT AND RIGHT CENTER TURN ARROWS			
D	49+58.80	LT 39.86	-											1			WEST BOUND LEFT TURN ARROW			
D	50+56.62	LT 7.58	-	52+46.33	LT 7.58	379.4											DSY STRIP CONNECTING TO WEST BOUND CENTER TURN LANE STRIP			
D	50+56.62	LT 3.08	-	52+46.33	LT 3.08	381.2											DSY STRIP EAST BOUND TURN LANE STRIP			
D	50+92.16	LT 4.91	-	52+44.79	LT 5.09								25.4				24" SY HASH MARKS BETWEEN DSY STRIPS			
D	50+68.69	RT 8.58	-	52+45.06	RT 8.58			176.4									EAST BOUND LEFT TURN LANE STRIP TO OAK GROVE AVE			
D	50+88.94	CL	-	51+88.89	CL									2			EAST BOUND LEFT TURN LANE ARROWS TO OAK GROVE AVE			
D	54+46.70	RT 30.57	-	51+46.70	CL							32.6					STOP BAR BEFORE RAILWAY			
D	51+92.42	LT 30.88	-	51+92.42	LT 7.58							22.3					STOP BAR AFTER RAILWAY			
D	52+47.06	RT 31.49	-	52+47.06	LT 2.08							33.6					EAST BOUND STOP BAR AT OAK GROVE AVE			
D	52+57.90	RT 34.33	-	52+57.90	LT 32.95							72.0					MIDBLOCKS ACROSS ROUTE D AT OAK GROVE AVE			
D	52+84.85	RT 43.85	-	53+28.17	RT 40.38							60.0					MIDBLOCKS ACROSS OAK GROVE AVE EAST BOUND			
D	52+96.26	LT 35.67	-	53+54.82	LT 36.51							85.6					MIDBLOCKS ACROSS OAK GROVE AVE WEST BOUND AND STOP BAR			
D	53+75.33	LT 30.58	-	53+75.33	RT 8.58							38.5					WEST BOUND STOP BAR AT OAK GROVE AVE			
D	53+76.32	LT 8.58	-	55+69.30	LT 8.58	195.9											CENTER TURN LANE WEST BOUND 4* SY BETWEEN OAK GROVE AVE AND VENTURA AVE			
D	53+76.32	LT 7.58	-	55+69.30	LT 7.58		49.0										CENTER TURN LANE WEST BOUND 4* IY BETWEEN OAK GROVE AVE AND VENTURA AVE			
D	53+76.32	RT 8.58	-	55+79.08	RT 8.58	205.8											CENTER TURN LANE EAST BOUND 4* SY BETWEEN OAK GROVE AVE AND VENTURA AVE			
D	53+76.32	RT 7.58	-	55+69.30	RT 7.58		51.5										CENTER TURN LANE EAST BOUND 4* IY BETWEEN OAK GROVE AVE AND VENTURA AVE			
D	54+44.50	RT 2.85	-	55+04.84	RT 2.85									2			LEFT AND RIGHT CENTER TURN ARROWS BETWEEN OAK GROVE AVE AND VENTURA AVE			
D	55+80.09	RT 30.58	-	55+70.30	RT 8.58							39.7					EAST BOUND STOP BAR AT VENTURA AVE			
D	55+98.02	RT 38.10	-	56+53.59	RT 38.60							66.0					MIDBLOCKS ACROSS VENTURA AVE EAST BOUND			
D	56+07.47	LT 42.26	-	56+49.85	LT 42.61							72.1					MIDBLOCKS ACROSS VENTURA AVE WEST BOUND AND STOP BAR			
D	56+60.85	LT 32.98	-	56+66.85	RT 33.02							102.0					MIDBLOCKS ACROSS ROUTE D AT VENTURA			
D	56+70.98	RT 30.58	-	83+43.32	RT 30.58				2672.4								EAST BOUND EOP STARTS AT VENTURA AVE TO S PLAZA AVE			
D	56+75.97	LT 31.04	-	83+26.53	LT 31.00				2651.1								WEST BOUND EOP STARTS AT VENTURA AVE TO S PLAZA AVE			
D	56+97.63	RT 19.58	-	83+43.32	RT 19.58			2661.7									EAST BOUND IW STRIP START AT VENTURA AVE TO S PLAZA AVE			
D	56+75.97	LT 19.58	-	84+00.95	LT 19.58			2722.9									WEST BOUND IW STRIP START AT VENTURA AVE TO S PLAZA AVE			
D	56+75.97	LT 31.04	-	56+75.97	RT 2.08							34.1					WEST BOUND STOP BAR TO VENTURA AVE			
D	56+77.96	LT 8.58	-	58+80.16	LT 8.58		202.1										WEST BOUND LEFT TURN LANE STRIP TO VENTURA AVE			
D	57+56.14	CL	-											1			WEST BOUND LEFT TURN ARROW TO VENTURA AVE			
D	56+75.97	RT 2.08	-	58+84.29	RT 3.08	415.7											DSY STRIP WEST BOUND TURN LANE STRIP			
D	56+75.97	RT 8.58	-	58+84.29	RT 7.58	415.6											DSY STRIP CONNECTING TO EAST BOUND CENTER TURN LANE STRIP			
D	56+76.96	RT 3.08	-	58+84.29	RT 7.58												24" SY HASH MARKS BETWEEN DSY STRIPS			
D	58+31.15	LT 31.10	-	58+31.15	RT 2.08							33.7					WEST BOUND RAILROAD STOP BAR BEFORE MARKINGS			
D	58+81.15	LT 31.15	-	58+81.15	RT 2.08							33.7					WEST BOUND RAILROAD STOP BAR AFTER MARKINGS			
D	58+56.16	LT 26.34	-	58+56.16	LT 2.40											3	WEST BOUND RAILRAOD CROSSING MARKING			
D	58+85.72	LT 8.58	-	66+55.23	LT 8.58	769.6											CENTER TURN LANE WEST BOUND 4" SY			
SUBTOTAL SHEET 3						4279.9	259.6	2026.3	1659.2	5323.5	0.0	1135.5	89.0	10.0	0.0	14.0	5.0			

SUMMARY OF QUANTITIES

SHEET 4 OF 8

PAVEMENT MARKING CONT'D																		
ROUTE	STATION	OFFSET	TO	STATION	OFFSET	HIGH BUILD PAINT WITH TYPE L BEADS						PREFORMED THERMOPLASTIC MARKING						REMARKS
						4" SOLID YELLOW	4" INTERMITTENT YELLOW	6" SOLID WHITE	6" INTERMITTENT WHITE	6" SOLID YELLOW	12" WIDE DOTTED SW	24" WHITE	24" YELLOW	RT/LT ARROW	Fish Hook Arrow	24x36 YIELD TRIANGLES	RAILROAD CROSSING	
						LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	
D	58+86.09	LT 7.58	-	66+51.84	LT 7.58												CENTER TURN LANE WEST BOUND 4" IY	
D	58+86.13	RT 8.58	-	66+14.50	RT 8.58	728.4											CENTER TURN LANE EAST BOUND 4" SY	
D	58+90.86	RT 7.91	-	66+13.16	RT 7.91		182.1										CENTER TURN LANE EAST BOUND 4" IY	
D	59+92.86	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	62+94.36	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	65+92.53	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	66+51.76	RT 5.33	-	71+15.30	LT 5.33	2829.9											SY BARRIER OF MEDAIN BEFORE WOODWARD	
D	66+55.29	LT 8.58	-	68+45.44	LT 8.58			190.2									WEST BOUND LEFT TURN LANE STRIP ALONG BARRIER	
D	67+26.11	CL	-	68+04.55	CL												WEST BOUND LEFT TURN ARROW ALONG BARRIER	
D	69+00.08	RT 8.58	-	71+15.30	RT 8.58			213.5									EAST BOUND LEFT TURN LANE STRIP ALONG BARRIER	
D	69+24.53	CL	-	70+49.87	CL												EAST BOUND LEFT TURN ARROWS ALONG BARRIER	
D	72+27.75	RT 5.33	-	84+83.16	LT 5.97	1533.8											SY BARRIER OF MEDAIN AFTER WOODWARD	
D	72+24.75	LT 8.58	-	74+16.76	LT 8.58			189.0									WEST BOUND LEFT TURN LANE STRIP ALONG BARRIER	
D	72+77.44	CL	-	74+02.68	CL												WEST BOUND LEFT TURN ARROW ALONG BARRIER	
D	74+28.40	RT 8.58	-	74+81.93	RT 8.58	107.0											EAST BOUND DSY BEFORE MIDBLOCK CROSSING	
D	74+28.40	RT 8.58	-	74+81.93	RT 8.58												24" SY HASH BETWEEN DSY AND MEDAIN	
D	74+71.47	RT 28.81	-	74+71.47	RT 8.58												EAST BOUND STOP BAR BEFORE MIDBLOCK CROSSING	
D	74+99.87	LT 31.70	-	74+99.87	RT 31.70												MIDBLOCK CROSSING ACROSS RTE D	
D	75+26.88	LT 31.59	-	75+26.88	LT 8.58												WEST BOUND STOP BAR AFTER MIDBLOCK CROSSING	
D	75+18.23	LT 8.58	-	81+13.34	LT 8.58	593.1											CENTER TURN LANE WEST BOUND 4" SY	
D	75+18.23	LT 7.92	-	81+13.34	LT 7.92			148.3									CENTER TURN LANE WEST BOUND 4" IY	
D	75+19.54	RT 8.58	-	80+96.64	RT 8.58	577.1											CENTER TURN LANE EAST BOUND 4" SY	
D	75+19.54	RT 7.92	-	80+96.64	RT 7.92			144.3									CENTER TURN LANE EAST BOUND 4" IY	
D	76+20.01	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	78+18.87	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	80+19.44	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	81+13.34	LT 8.58	-	83+26.53	LT 8.58	427.8											DSY STRIP CONNECTING TO WEST BOUND CENTER TURN LANE STRIP	
D	81+13.34	LT 3.08	-	83+26.53	LT 2.08	427.8											DSY STRIP EAST BOUND TURN LANE STRIP	
D	81+21.45	LT 5.33	-	83+26.53	LT 2.08												24" SY HASH MARKS BETWEEN DSY STRIPS	
D	81+12.79	RT 8.58	-	83+43.32	RT 8.58			230.5									EAST BOUND LEFT TURN LANE STRIP TO S PLAZA AVE	
D	81+21.40	CL	-	82+46.40	CL												EAST BOUND LEFT TURN ARROWS TO S PLAZA AVE	
D	83+24.53	RT 8.58	-	83+43.32	RT 30.57												EAST BOUND STOP BAR AT S PLAZA AVE	
D	83+70.78	RT 41.70	-	84+13.10	RT 36.24												MIDBLOCKS ACROSS S PLAZA AVE EAST BOUND	
D	83+42.19	LT 42.21	-	83+84.56	LT 38.62												MIDBLOCKS ACROSS S PLAZA AVE WEST BOUND	
D	84+36.05	LT 33.79	-	84+35.85	RT 33.32												MIDBLOCKS ACROSS RTE D	
D	84+72.94	RT 39.82	-	85+05.28	RT 37.76												MIDBLOCKS ACROSS N PLAZA AVE EAST BOUND	
D	84+80.09	LT 41.09	-	85+22.47	LT 37.41												MIDBLOCKS ACROSS N PLAZA AVE WEST BOUND	
D	85+39.71	LT 34.53	-	85+40.41	RT 33.58												MIDBLOCKS ACROSS RTE D	
D	85+48.91	LT 30.58	-	85+48.91	RT 2.08												WEST BOUND STOP BAR TO N PLAZA AVE	
D	85+48.86	RT 2.03	-	87+59.24	RT 2.08	424.8											DSY STRIP CONNECTING TO EAST BOUND CENTER TURN LANE STRIP	
D	85+48.43	RT 8.58	-	87+60.74	RT 7.58	424.8											DSY STRIP WEST BOUND TURN LANE STRIP	
D	85+48.91	LT 8.58	-	87+50.88	LT 8.58			199.9									WEST BOUND LEFT TURN LANE TO N PLAZA AVE	
D	87+50.88	LT 8.58	-	88+35.88	LT 8.58												IW BETWEEN WEST BOUND LEFT TURN LANE AND CENTER TURN LANE	
D	86+28.77	CL	-	87+29.24	CL												WEST BOUND LEFT TURN ARROW TO NO PLAZA AVE	
D	85+48.18	RT 30.72	-	99+16.32	RT 30.83			1373.3									EAST BOUND EOP START AT N PLAZA TO INGRAM MILL RD	
D	85+48.87	LT 30.58	-	99+16.32	LT 30.83			1368.6									WEST BOUND EOP START AT N PLAZA TO INGRAM MILL RD	
D	85+48.00	RT 19.58	-	99+08.07	RT 19.58												EAST BOUND IW STRIP START AT S PLAZA AVE TO INGRAM MILL RD	
D	85+55.83	LT 19.58	-	99+08.07	LT 19.58												WEST BOUND IW STRIP START AT S PLAZA AVE TO INGRAM MILL RD	
D	88+35.88	LT 8.58	-	92+13.75	LT 8.58	377.8											CENTER TURN LANE WEST BOUND 4" SY	
D	88+35.88	LT 8.58	-	92+13.75	LT 8.58			94.5									CENTER TURN LANE WEST BOUND 4" IY	
D	87+60.88	RT 8.58	-	91+28.75	RT 8.58	371.0											CENTER TURN LANE EAST BOUND 4" SY	
D	87+60.88	RT 8.58	-	91+28.75	RT 8.58			92.8									CENTER TURN LANE EAST BOUND 4" IY	
D	89+80.09	CL	-														LEFT AND RIGHT CENTER TURN ARROWS	
D	92+13.75	LT 8.62	-	95+28.94	LT 8.62												WEST BOUND LEFT TURN LANE ALONG BARRIER TO MAYFAIR	
D	92+94.73	CL	-	93+95.15	CL			271.1									WEST BOUND LEFT TURN ARROW/ FISH HOOKS	
D	92+13.75	RT 5.33	-	99+07.69	LT 5.17	4189.5											SY BARRIER OF MEDAIN BEFORE INGRAM MILL RD	
D	94+71.45	RT 8.55	-	99+16.32	RT 8.54			397.0									EAST BOUND LEFT TURN LANE TO DEESWOOD AVE	
D	95+63.82	CL	-	98+14.06	CL												EAST BOUND LEFT TURN ARROWS TO INGRAM MILL RD	
D	92+92.11	RT 41.42	-														EAST BOUND RIGHT TURN ARROW TO INGRAM MILL RD	
D	98+91.96	LT 2.08	-	99+16.32	RT 30.83												EAST BOUND STOP BAR AT INGRAM MILL RD	
D	99+22.67	RT 30.86	-	99+22.67	LT 51.73												MIDBLOCKS ACROSS RTE D BEFORE INGRAM MILL RD	
D	99+32.27	RT 42.27	-	99+79.64	RT 42.27												MIDBLOCKS ACROSS INGRAM MILL RD EAST BOUND	
SUBTOTAL SHEET 4						13012.8	854.4	4433.1	703.4	0.0	0.0	670.2	44.8	30.0	2.0	0.0	0.0	

STATE OF MISSOURI
KRISTI BACHMAN
NUMBER
PE-2003014941
PROFESSIONAL ENGINEER

/06/02/2026 8:33:47 AM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941
DATE PREPARED
5/4/2026

ROUTE
D
DISTRICT
SW
COUNTY
GREENE
JOB NO.
J8S0745
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)

SUMMARY OF QUANTITIES
SHEET 5 OF 8

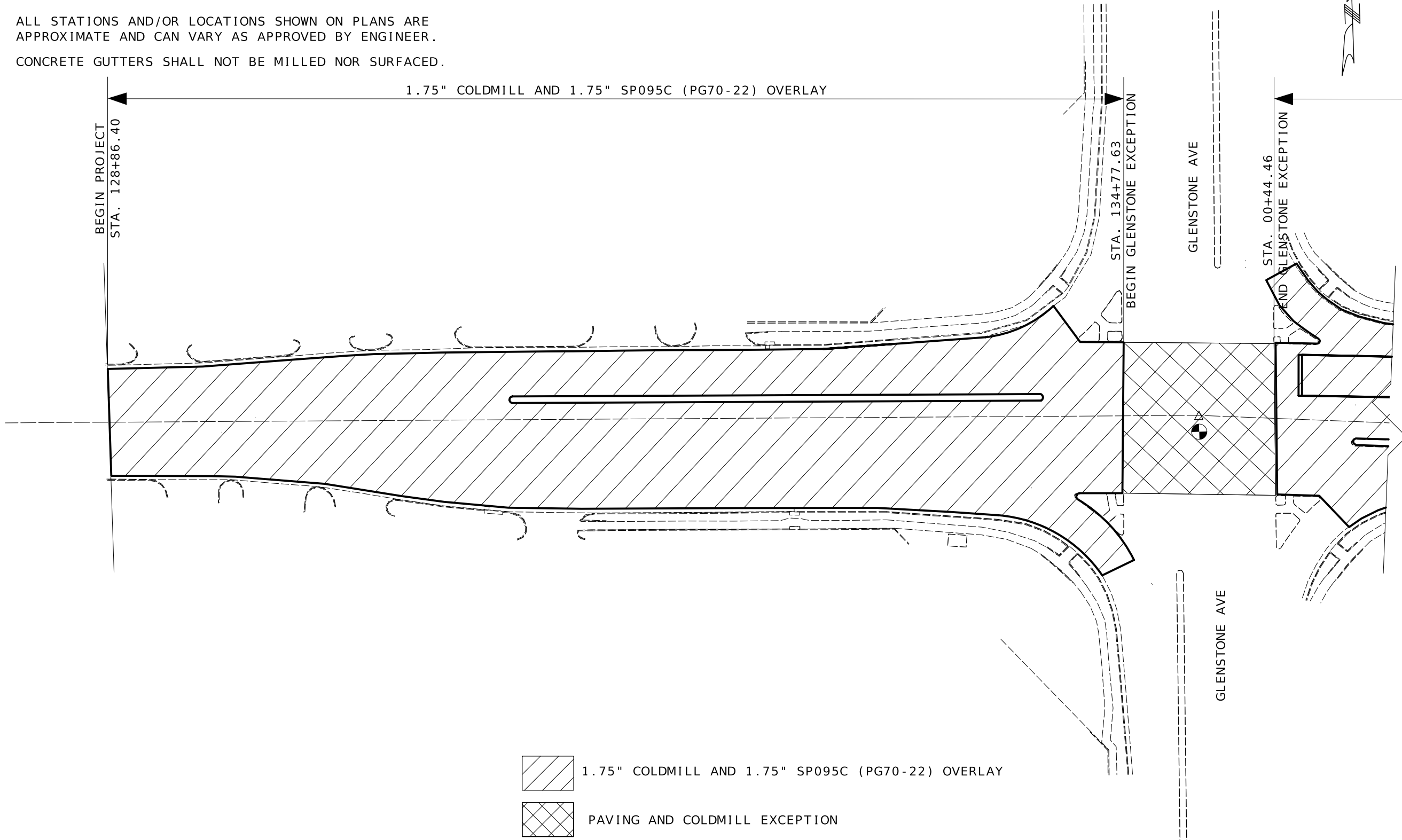
PAVEMENT MARKING CONT'D																	STATE OF MISSOURI KRISTI BACHMAN NUMBER PE-2003014941 PROFESSIONAL ENGINEER 06/02/2026 8:34:06 AM KRISTI BACHMAN - CIVIL MO-PE-2003014941 DATE PREPARED 5/4/2026 ROUTE D STATE MO DISTRICT SW SHEET NO. 3 COUNTY GREENE JOB NO. J8S0745 CONTRACT ID. PROJECT NO. BRIDGE NO. DESCRIPTION DATE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION MoDOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)			
ROUTE	STATION	OFFSET	TO	STATION	OFFSET	HIGH BUILD PAINT WITH TYPE L BEADS						PREFORMED THERMOPLASTIC MARKING							REMARKS	
						4" SOLID YELLOW	4" INTERMITTENT YELLOW	6" SOLID WHITE	6" INTERMITTENT WHITE	6" SOLID YELLOW	12" WIDE DOTTED SW	24" WHITE	24" YELLOW	RT/LT ARROW	Fish Hook Arrow	24x36 YIELD TRIANGLES				RAILROAD CROSSING
						LF	LF	LF	LF	LF	LF	EA	EA	EA	EA					
D	99+51.34	LT 56.73	-	99+87.80	LT 56.73						36.0					MIDBLOCKS ACROSS INGRAM MILL RD WEST BOUND				
D	100+08.30	LT 34.19	-	100+08.30	RT 33.57						72.0					MIDBLOCKS ACROSS RTE D AFTER INGRAM MILL RD				
D	98+99.09	RT 57.63	-	99+07.21	RT 42.15						24.0					MIDBLOCKS FROM SIDEWALK TO ISLAND AT INGRAM MILL RD				
D	98+92.89	RT 53.58	-											9		YIELD TRIANGLES BEFORE MIDBLOCKS AT INGRAM MILL RD				
D	99+19.17	0+69	-											12		YIELD TRIANGLES AFTER MIDBLOCKS AT INGRAM MILL RD				
D	100+16.08	LT 30.58	-	100+24.00	RT 2.08						32.6					WEST BOUND STOP BAR TO INGRAM MILL RD				
D	100+16.07	LT 8.58	-	102+97.81	LT 8.58			281.7								WEST BOUND LEFT TURN LANE STRIP TO INGRAM MILL RD				
D	101+03.95	CL	-	102+29.41	CL							2				WEST BOUND LEFT TURN ARROW TO INGRAM MILL RD				
D	102+97.81	LT 8.58	-	103+53.30	LT 5.30				52.4							IW BETWEEN WEST BOUND LEFT TURN LAND TO TUBULAR MARKERS				
D	100+28.86	RT 5.17	-	103+53.30	LT 5.30	1995.0										SY BARRIER OF MEDAIN AFTER INGRAM MILL RD				
D	100+11.76	RT 30.92	-	108+16.47	RT 68.52			813.0								EAST BOUND EOP STARTS AT INGRAM MILL RD TO 65				
D	100+16.07	LT 30.53	-	109+06.90	LT 35.37			707.3								WEST BOUND EOP START AT INGRAM MILL RD TO 65				
D	100+16.76	RT 19.58	-	108+98.83	RT 24.79				884.3							EAST BOUND IW STRIP START AT INGRAM MILL RD TO 65				
D	100+25.97	LT 19.58	-	108+37.40	LT 24.35				814.0							WEST BOUND IW STRIP START AT INGRAM MILL RD TO 65				
D	103+53.30	LT 5.53	-	107+71.42	LT 13.32	839.8										4" SY OUTLINE AROUND BARRIER AFTER MEDAIN TO 65				
D	102+97.81	RT 5.30	-	104+02.80	RT 9.70				105.7							IW BETWEEN EAST BOUND LEFT TURN LANE TO CENTER MEDIAN				
D	104+02.80	RT 9.69	-	109+00.82	RT 13.78			500.2								EAST BOUND OUTER LEFT TURN LANE STRIP TO 65				
D	105+96.88	RT 2.91	-	108+40.56	RT 3.14			245.9								EAST BOUND INNER LEFT TURN LANE STRIP TO 65				
D	104+07.55	RT 3.72	-	107+62.45	LT 5.23							4				EAST BOUND LEFT TURN ARROWS				
D	107+15.27	RT 35.86	-	109+00.83	RT 36.53			224.7								EAST BOUND BOTTOM LEFT ISLAND OUTLINE				
D	107+71.49	LT 12.32	-	108+42.57	LT 12.35	284.4										DSY CONNECT TO EAST BOUND LEFT TURN LANE STOP BAR				
D	107+71.49	LT 12.32	-	108+42.57	LT 12.35							10.9				24" SY HASH MARK BETWEEN DSY				
D	108+42.55	LT 7.47	-	112+20.45	RT 77.99						97.5					EAST BOUND STOP BAR AT 65 & NB OFF-RAMP STOP BARS				
D	106+46.49	RT 57.66	-	112+31.53	RT 70.03						234.0					EAST BOUND MIDBLOCKS THROUGH INTERSECTIONS				
D	107+75.64	LT 71.58	-	112+01.42	LT 72.71						240.0					WEST BOUND MIDBLOCKS THROUGH INTERSECTIONS				
D	110+79.65	LT 75.06	-	111+73.45	LT 109.19									39		EAST BOUND WDW THROUGH INTERSECTIONS AT 65				
D	108+14.27	RT 63.09	-	109+40.31	RT 76.18									39		WEST BOUND WDW THROUGH INTERSECTIONS AT 65				
D	107+88.07	LT 77.21	-	108+94.54	LT 84.50					48.0						WEST BOUND STOP BARS THROUGH INTERSECTIONS				
D	108+45.47	LT 0.91	-	110+62.09	LT 41.70											RTE D EAST BOUND TO 65 NORTH BOUND 6" IW CAT TRACKS				
D	108+37.40	LT 24.35	-	110+90.45	RT 55.86											65 NORTH BOUND TO RTE D WEST BOUND 6" IW CAT TRACKS				
D	109+12.66	LT 55.15	-	111+56.18	RT 24.69											65 SOUTH BOUND TO RTE D EAST BOUND 6" IW CAT TRACKS				
D	109+51.40	RT 46.67	-	111+55.94	LT 0.26											RTE D WEST BOUND TO 65 SOUTH BOUND 6" IW CAT TRACKS				
D	111+09.78	LT 35.66	-	111+55.94	RT 7.86						43.5					WEST BOUND STOP BARS AT 65				
D	110+81.82	LT 35.44	-	112+01.56	LT 35.49			119.7								WEST BOUND TOP RIGHT ISLAND OUTLINE				
D	111+09.78	LT 24.45	-	119+86.30	LT 19.58				860.7							WEST BOUND IW STRIP START AT 65 TO EASTGATE AVE				
D	111+55.94	RT 7.86	-	115+77.45	RT 9.71	1686.2										DSY STRIPS TO CENTER TURN LANE				
D	111+55.94	RT 7.86	-	115+77.45	RT 9.71							48.8				24" SY HASH BETWEEN DSY STRIPS				
D	112+36.08	CL	-	113+99.94	CL							4				WEST BOUND LEFT TURN ARROWS				
D	111+56.23	RT 24.69	-	119+73.06	RT 19.58				823.9							EAST BOUND IW STRIP START AT 65 TO EASTGATE AVE				
D	111+09.78	LT 13.46	-	115+74.52	LT 10.77			464.7								WEST BOUND OUTER LEFT TURN LANE STRIP TO 65				
D	111+55.94	LT 2.81	-	114+34.00	LT 2.92			276.0								WEST BOUND INNER LEFT TURN LANE STRIP TO 65				
D	115+86.81	LT 9.86	-	117+32.08	LT 7.92	145.3										CENTER TURN LANE WEST BOUND 4" SY				
D	115+86.81	LT 9.86	-	117+32.08	LT 7.92		36.3									CENTER TURN LANE WEST BOUND 4" IY				
D	115+82.04	RT 10.62	-	117+28.86	RT 8.58	146.7										CENTER TURN LANE EAST BOUND 4" SY				
D	115+82.04	RT 10.62	-	117+28.86	RT 8.58		36.7									CENTER TURN LANE EAST BOUND 4" IY				
D	116+41.90	CL	-	-	CL							2				LEFT AND RIGHT CENTER TURN ARROWS				
D	117+39.01	LT 5.17	-	119+23.99	LT 6.17	1135.5										SY BARRIER OF MEDAIN BEFORE EASTGATE				
D	119+23.99	LT 6.17	-	119+72.59	LT 7.21	186.8										DSY CONNECT TO EAST BOUND LEFT TURN LANE STOP BAR				
D	117+71.03	RT 8.58	-	119+93.17	RT 8.58			222.2								EAST BOUND OUTER LEFT TURN LANE STRIP TO EASTGATE AVE				
D	117+92.97	CL	-	118+93.23	CL							2				EAST BOUND LEFT TURN ARROW TO EASTGATE AVE				
D	118+72.82	RT 8.58	-	119+73.06	RT 4.61			98.6								EAST BOUND INNER LEFT TURN LANE STRIP TO EASTGATE AVE				
D	118+72.82	RT 8.58	-	119+73.06	RT 4.61						8.0					24" SW HASH MARKS BETWEEN INNER AND OUTER TURN LANE STRIPS TO EASTGATE AVE				
D	119+72.59	LT 7.21	-	119+93.17	RT 31.12						33.9					EAST BOUND STOP BARS TO EASTGATE AVE				
D	120+24.52	LT 59.29	-	120+56.92	LT 59.29						32.4					SOUTH BOUND STOP BAR ON EASTGATE AVE				
D	120+01.15	RT 32.30	-	120+01.15	LT -33.55						72.0					MIDBLOCKS ACROSS RTE D BEFORE EASTGATE AVE				
D	120+48.28	RT 49.31	-	120+95.77	RT 49.31						54.0					MIDBLOCKS ACROSS EASTGATE AVE EAST BOUND				
D	120+21.57	LT -52.59	-	120+79.56	LT -52.59						66.0					MIDBLOCKS ACROSS EASTGATE AVE WEST BOUND				
D	121+01.66	LT -32.92	-	121+01.66	RT 33.52						72.0					MIDBLOCKS ACROSS RTE D AFTER EASTGATE AVE				
D	121+13.89	RT 52.38	-	121+38.28	RT 66.14						30.0					MIDBLOCKS FROM SIDEWALK TO ISLAND AT EASTGATE AVE				
D	121+12.51	RT 60.49	-	121+49.00	RT 49.49									27		WDW BEFORE AND AFTER SIDEWALK TO ISLAND MIDBLOCKS				
D	121+09.90	LT 30.71	-	121+36.83	RT 6.07						37.9					WEST BOUND STOP BAR TO EASTGATE AVE				
D	121+09.90	LT 30.71	-	132+80.90	LT 30.74			1121.5								WEST BOUND EOP FROM EASTGATE AVE TO BLACKMAN RD				
D	121+05.20	RT 33.55	-	132+24.06	RT 31.00			1119.0								EAST BOUND EOP FROM EASTGATE AVE TO BLACKMAN RD				
D	121+09.90	LT 30.71	-	132+67.62	LT 19.58				288.3							WEST BOUND IW STRIP START AT EASTGATE TO BLACKMAN RD				
SUBTOTAL SHEET 5						6419.7	73.0	6194.5	1197.5	0.0	0.0	1233.8	59.7	14.0	0.0	126.0	0.0			
SUMMARY OF QUANTITIES																				
SHEET 6 OF 8																				

SUMMARY OF QUANTITIES
SHEET 8 OF 8

NOTES:
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE
PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF
THE CONSTRUCTION OF THIS PROJECT.

ALL STATIONS AND/OR LOCATIONS SHOWN ON PLANS ARE
APPROXIMATE AND CAN VARY AS APPROVED BY ENGINEER.

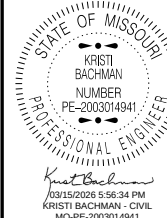
CONCRETE GUTTERS SHALL NOT BE MILLED NOR SURFACED.



-  1.75" COLDMILL AND 1.75" SP095C (PG70-22) OVERLAY
-  PAVING AND COLDMILL EXCEPTION



BEGINNING OF PROJECT
SPECIAL SHEET
SHEET 1 OF 3



DATE PREPARED
2/20/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 4

COUNTY GREENE

JOB NO. J8S0745

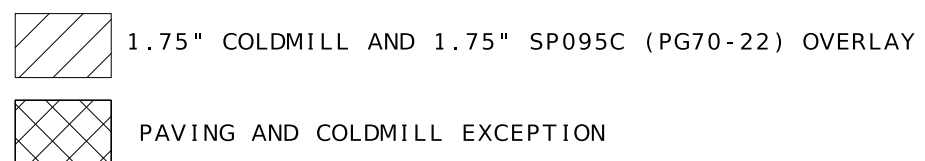
CONTRACT ID.

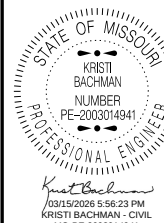
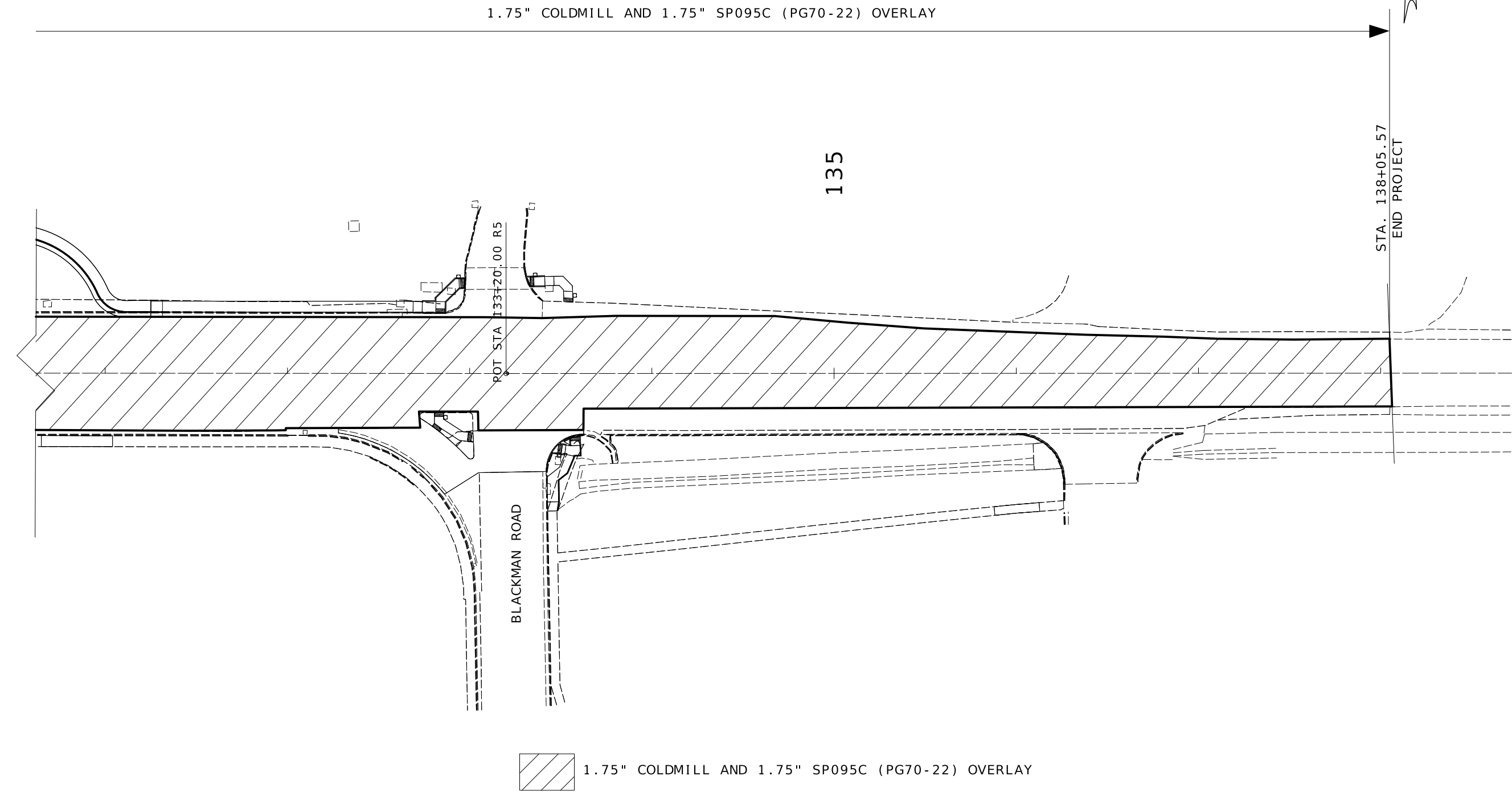
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



[illegible]



DATE PREPARED
2/20/2025

ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	6

COUNTY
GREENE

JOB NO.
J8S0745

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)

SCALE

0 40 80 120

END OF PROJECT
SPECIAL SHEET
3 OF 3

SIDE ROADS ENTERING WORK ZONES

SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
PERMANENT POSTED (MPH)		
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA) - 1000 (SB) - 1500 (SC) - 2640

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

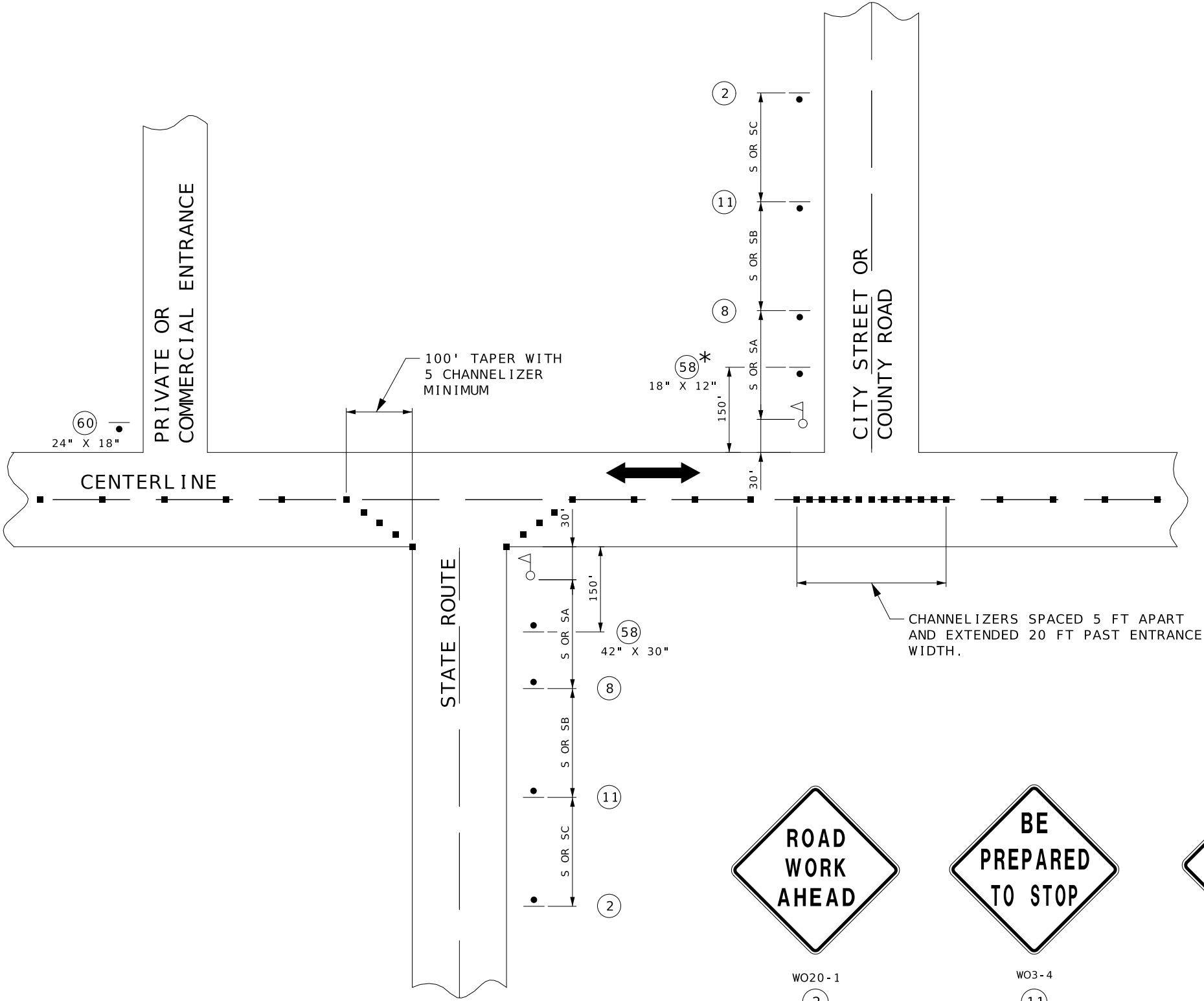
NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

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

■ - CHANNELIZERS

◻ - FLAGGER

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).



WO20-1

2



WO3-4

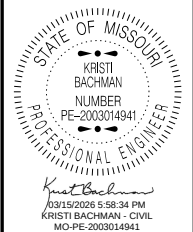
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WO20-7a

8

NOT TO SCALE



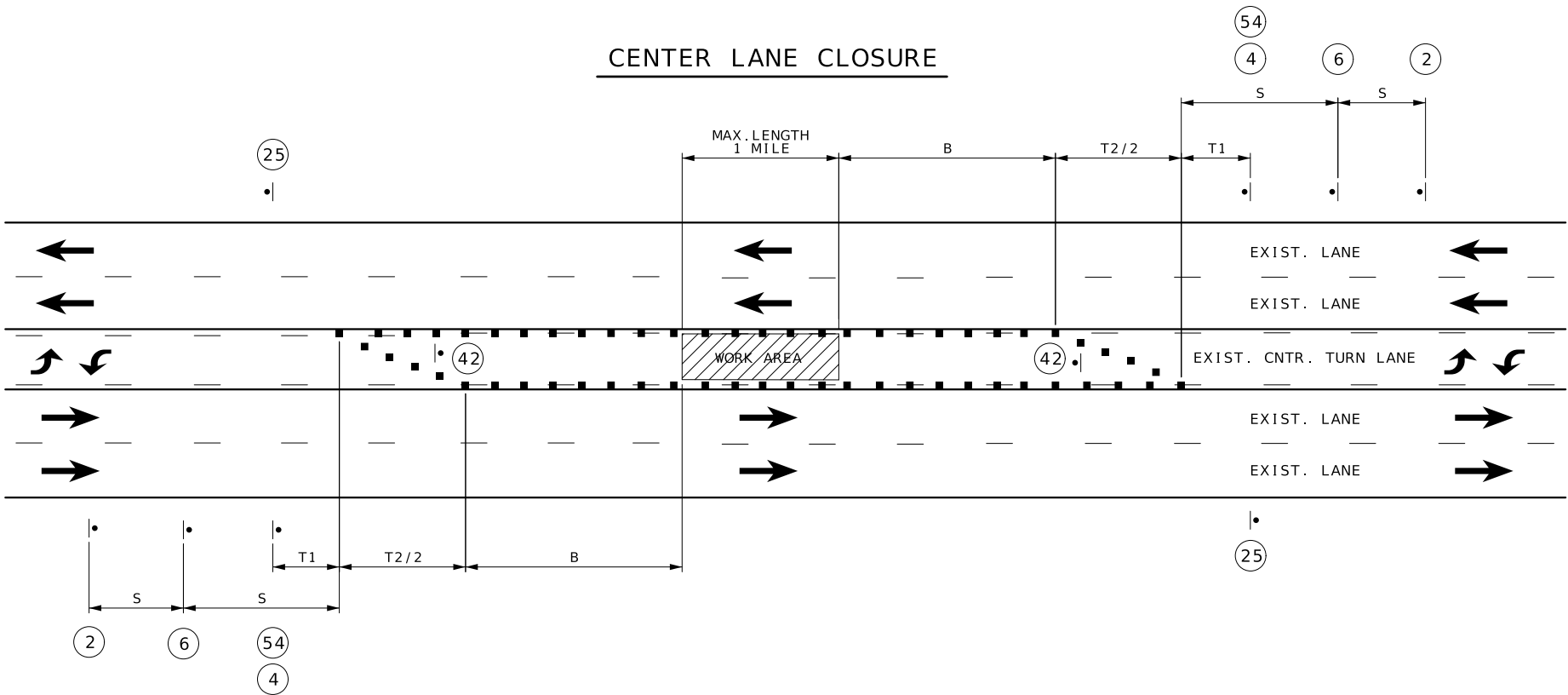
DATE PREPARED
2/20/2025
ROUTE D STATE MO
DISTRICT SW SHEET NO. 8
COUNTY GREENE
JOB NO. J8S0745
CONTRACT ID.

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)



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

NOTES:

(1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.

(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



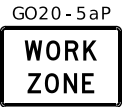
WO20-1
2



WO20-6a
6



R4-7a
42



R2-1
54
4



R2-1
25
(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 3 OF 9

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

Kristi Bachman

03/15/2025 5:58:27 PM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

2/20/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

9

COUNTY

GREENE

JOB NO.

J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

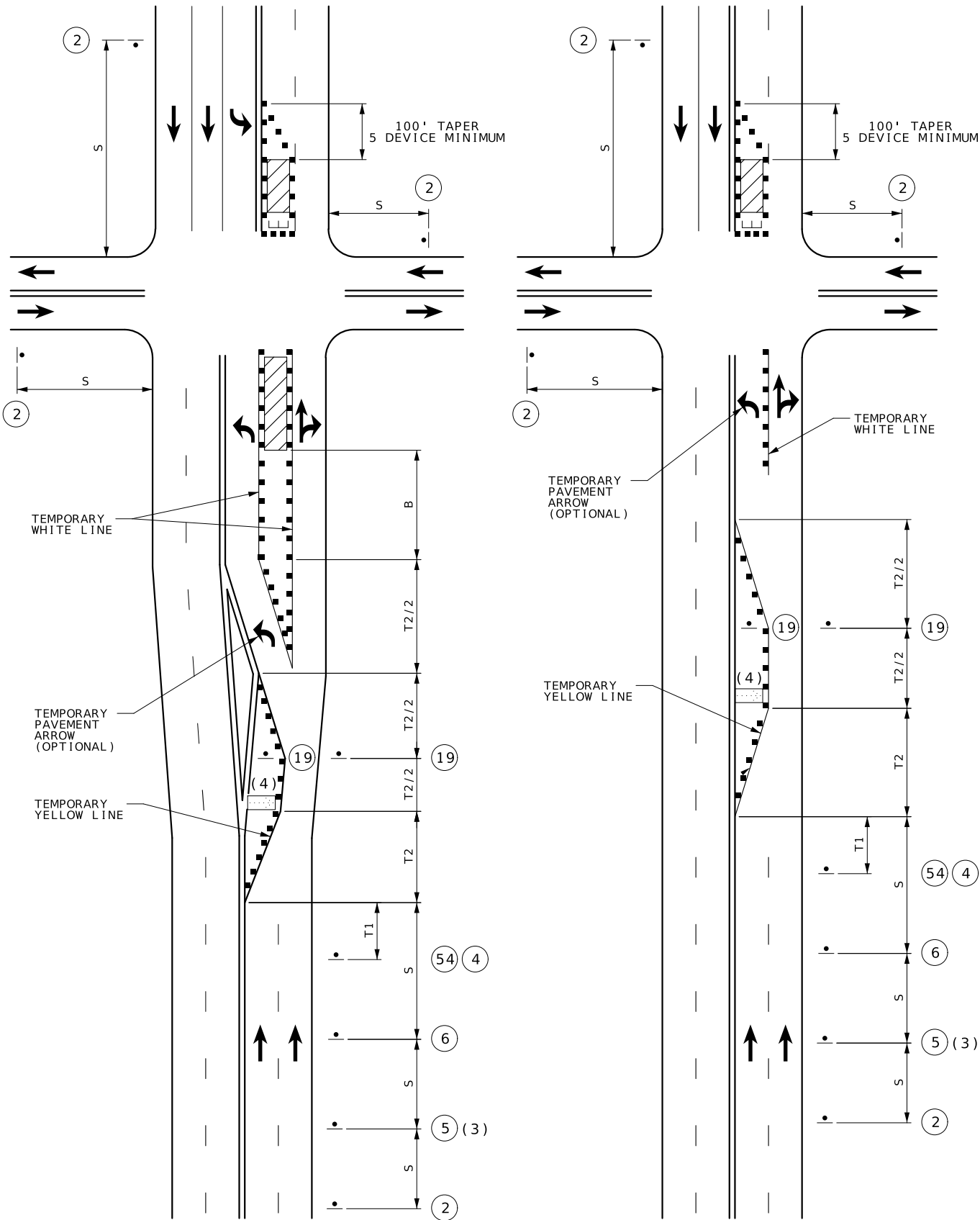
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



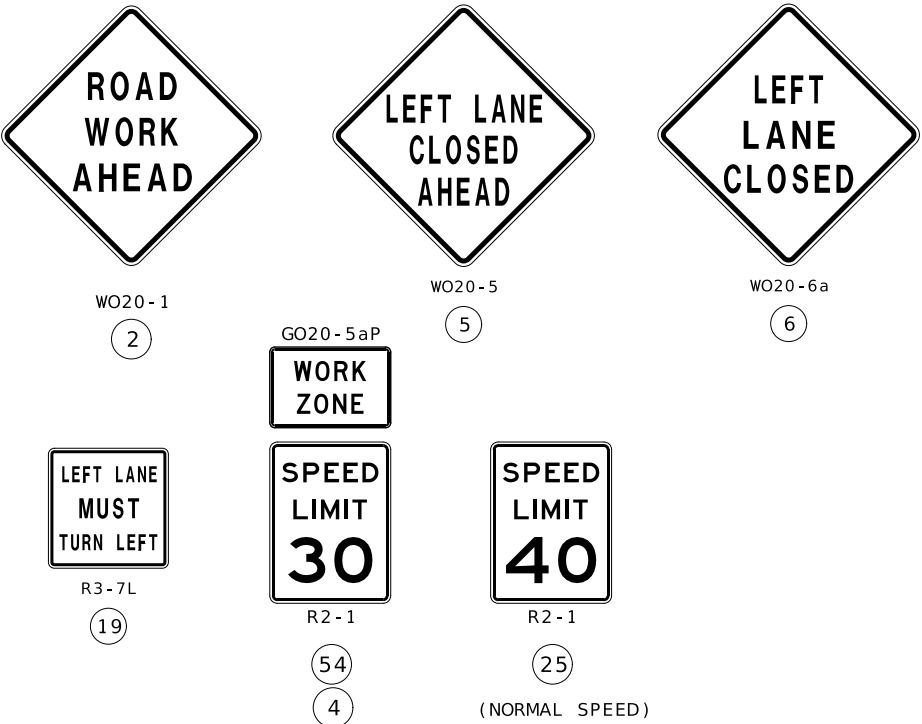
WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY

LEFT LANE CLOSURE AT INTERSECTION

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER / WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

- NOTES:
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.
- (3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.



NOT TO SCALE

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

Kristi Bachman

03/15/2025 5:58:21 PM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

2/20/2025

ROUTE

D

DISTRICT

SW

STATE

MO

SHEET NO.

10

COUNTY

GREENE

JOB NO.

J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

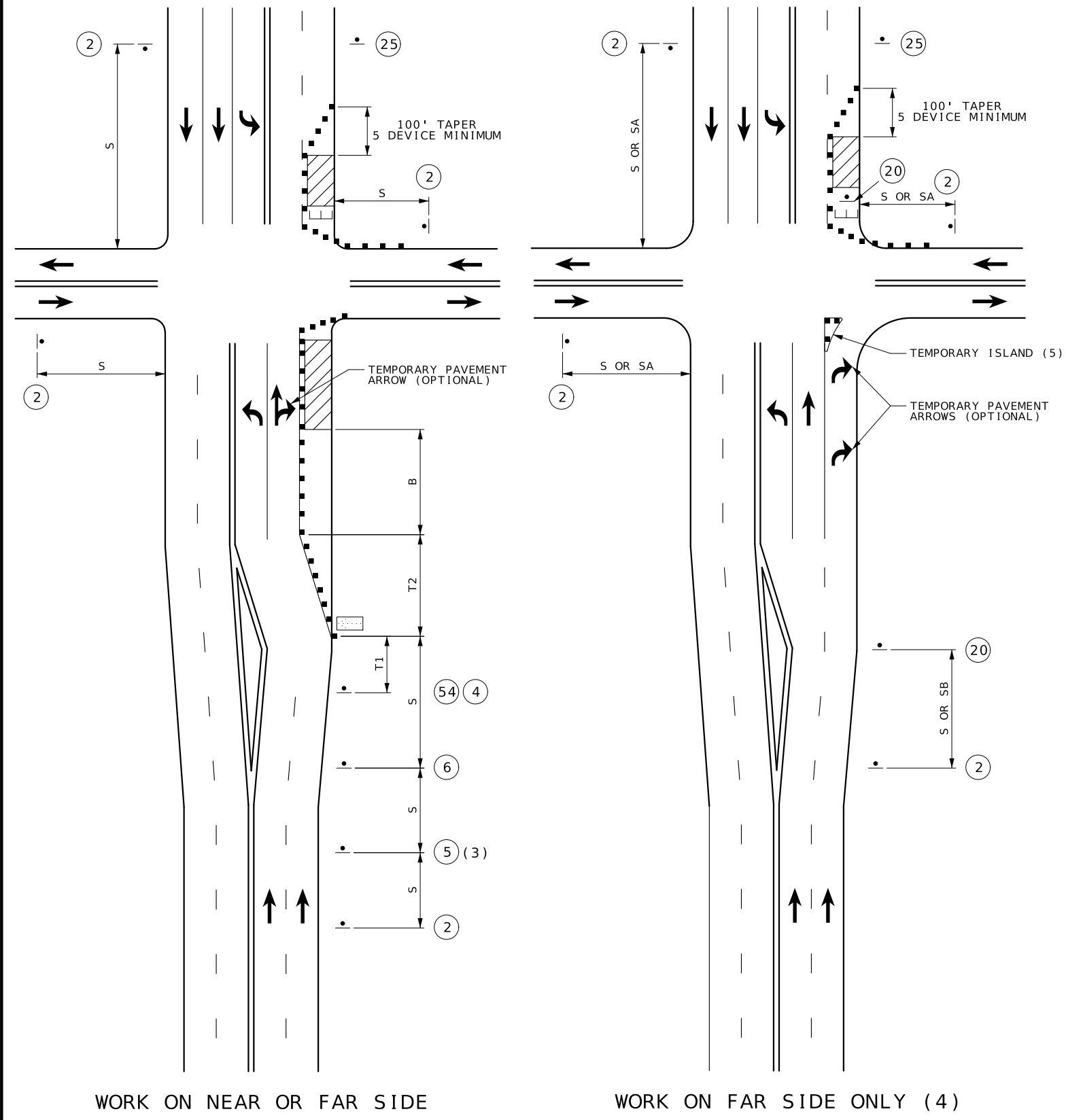
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

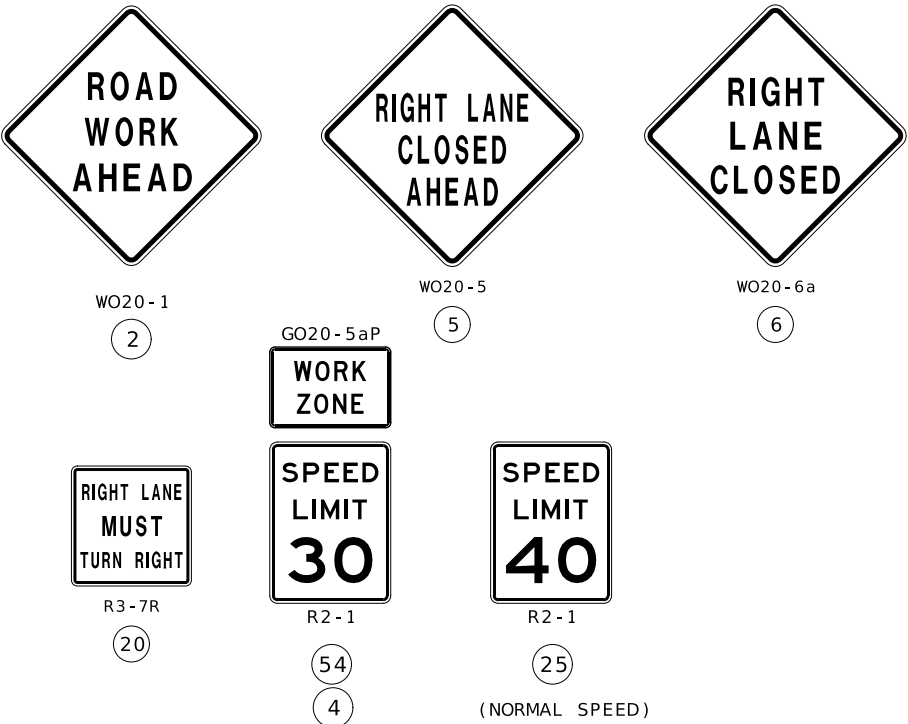
JEFFERSON CITY, MO 65102

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



SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER / WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

- NOTES:
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.
- (3) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) TYPICAL APPLICATION ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH TRAFFIC TURNS RIGHT.
- (5) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.



RIGHT LANE CLOSURE AT INTERSECTION

NOT TO SCALE

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

Kristi Bachman

03/15/2025 5:58:14 PM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

2/20/2025

ROUTE

D

DISTRICT

SW

STATE

MO

SHEET NO.

11

COUNTY

GREENE

JOB NO.

J850745

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)

Diagram illustrating a two-lane road construction project. The road is divided into two main sections: a left section with two lanes (labeled 'EXIST. LANE') and a right section with two lanes (labeled 'EXIST. LANE'). A center turn lane is also shown, labeled 'EXIST. CNTR. TURN LANE'. A 'WORK AREA' is indicated by a hatched rectangle in the center of the road. Traffic flow is indicated by arrows: leftward for the left section and rightward for the right section. A note states: 'CHANNELIZERS ADJACENT TO CENTER TURN LANE NOT REQUIRED IF CONCRETE MEDIAN STRIP IS PRESENT'. Dimensions and markers are shown at the bottom: 'S' (Shoulder width), 'T1' (Turn lane width), 'T2' (Turn lane width), 'B' (Bypass length), 'MAX. LENGTH 1 MILE', and '100' TAPER 5 DEVICE MINIMUM'. Markers are numbered 2, 5, 6, 54, 4, and 25.

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

(1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



WO20 - 1

(2)



WO20-5

(5)



WO20-6a

(6)



R2 - 1



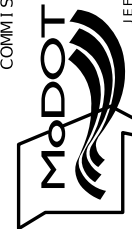
54
4



R2 - 1

(NORMAL SPEED)

TRAFFIC CONTROL
SHEET 6 OF 9

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

DATE PREPARED
2/20/2025

COUNTY
GREENE

PROJECT NO.

BRIDGE NO.

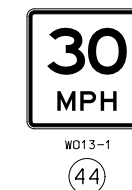
ION	TOL
	102
	36)

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NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.



(NORMAL SPEED)

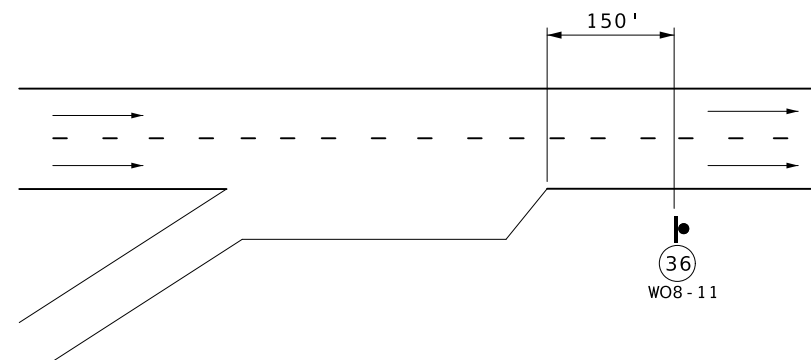
NOT TO SCALE

TRAFFIC CONTROL
SHEET 7 OF 9

BRIDGE NO.



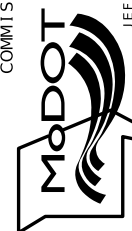
ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE
WITH STANDARD PLANS 616.10 AND 903.03.



SIGN SPACING AT RAMPS

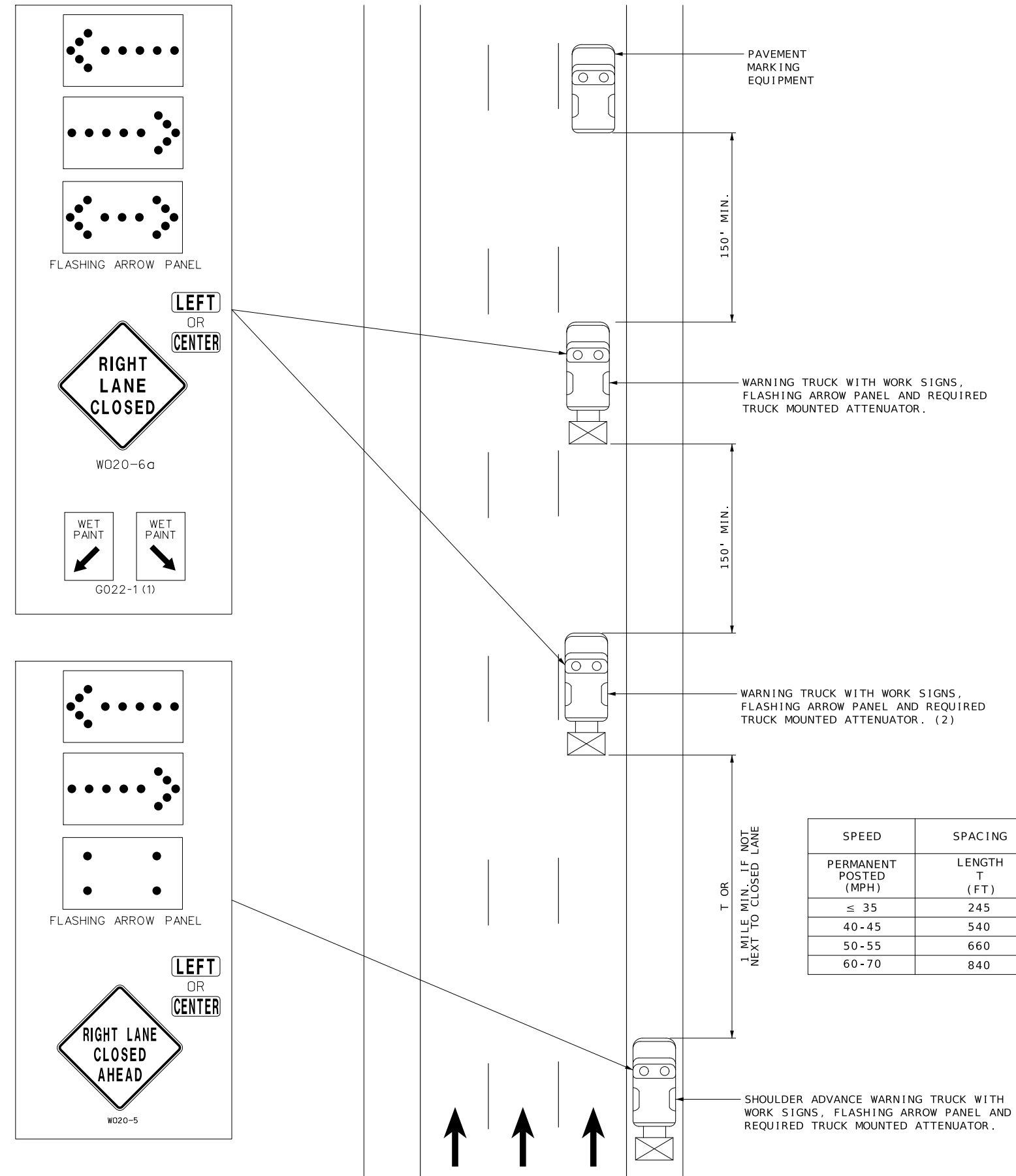
* BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.
UNLESS REQUIRED BY STANDARD PLAN 619.10, BUMP SIGN AT CONTRACTOR'S
EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.

TRAFFIC CONTROL
SHEET 8 OF 9

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

REVISÉD: 2/5/2024



NOTES :

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

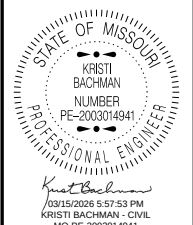
VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW PANEL BOARD SHALL BE USED FOR EACH CLOSED LANE.

SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

NOT TO SCALE

TRAFFIC CONTROL
SHEET 9 OF 9



DATE PREPARED

2/20/2025

ROUTE D	STATE MO
------------	-------------

DISTRICT	SHEET NO.
SW	15

SW	TS
COUNTY	

GREENE

JOB NO.
J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

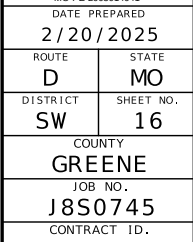
NEW POLES, MAST ARMS, SIGNAL HEADS, POWER
SUPPLY, SIGNAL CONTROLLER, PEDESTRIAN SIGNAL
HEADS, APS DETECTORS, AND RADAR SIGNAL
DETECTION TO BE INSTALLED WITH PROJECT J853133

TACO
BELL

RTE. D (SUNSHINE ST.)

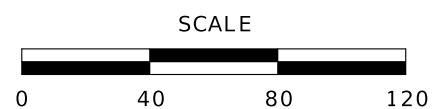
RTE. D (SUNSHINE ST.)

OLLIS/AKERS/ARNEY
INSURANCE

[illegible]

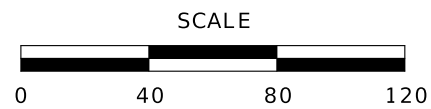
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1. INSTALL NEW RADAR DETECTION AT RTE. D INTERSECTIONS WITH OAK GROVE & VENTURA.
2. NEW PEDESTRIAN SIGNAL HEADS, APS, & TRAFFIC SIGNAL HEADS AT BOTH INTERSECTIONS TO BE INSTALLED WITH PROJECT J8S3153.
3. EXISTING MAINLINE LOOP DETECTORS TO BE REMOVED WITH COLDMILLING, NO DIRECT PAY.

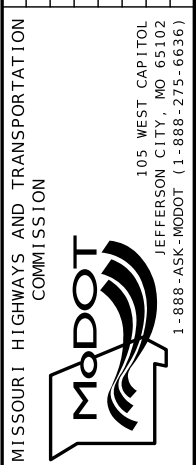


STATE OF MISSOURI	
KRISTI BACHMAN NUMBER PE-2003014941 <i>Kristi Bachman</i> 06/02/2026 8:34:51 AM KRISTI BACHMAN - CIVIL MO-PE-2003014941	
DATE PREPARED 5 / 6 / 2026	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 17
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSESION	
HIGHWAYS AND TRANSPORTATION COMMISSION	
MODOT	
105 WEST CAPITOL	
JEFFERSON CITY, MO 65102	
1-888-ASK-MODOT (1-888-275-6636)	

3. EXISTING MAINLINE LOOP DETECTORS TO BE REMOVED WITH COLDMILLING, NO DIRECT PAY.



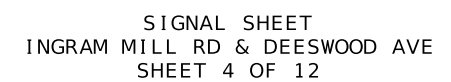
SIGNAL SHEET
PLAZA AVE
SHEET 3 OF 12



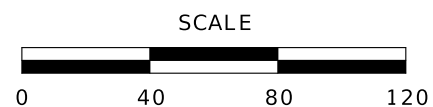
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

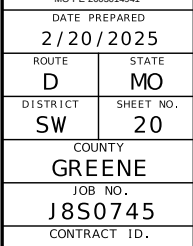
NEW POLES, MAST ARMS, SIGNAL HEADS, POWER
SUPPLY, SIGNAL CONTROLLER, PEDESTRIAN SIGNAL
HEADS, APS DETECTORS, AND RADAR SIGNAL
DETECTION TO BE INSTALLED WITH PROJECT J8S3133

[illegible]

1. NEW PEDESTRIAN SIGNAL HEADS & APS AT ALL US
65 RAMP INTERSECTIONS TO BE INSTALLED WITH
PROJECT J8S3153.



SIGNAL SHEET
US HIGHWAY 65
SHEET 5 OF 12



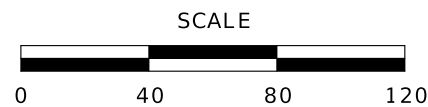
PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

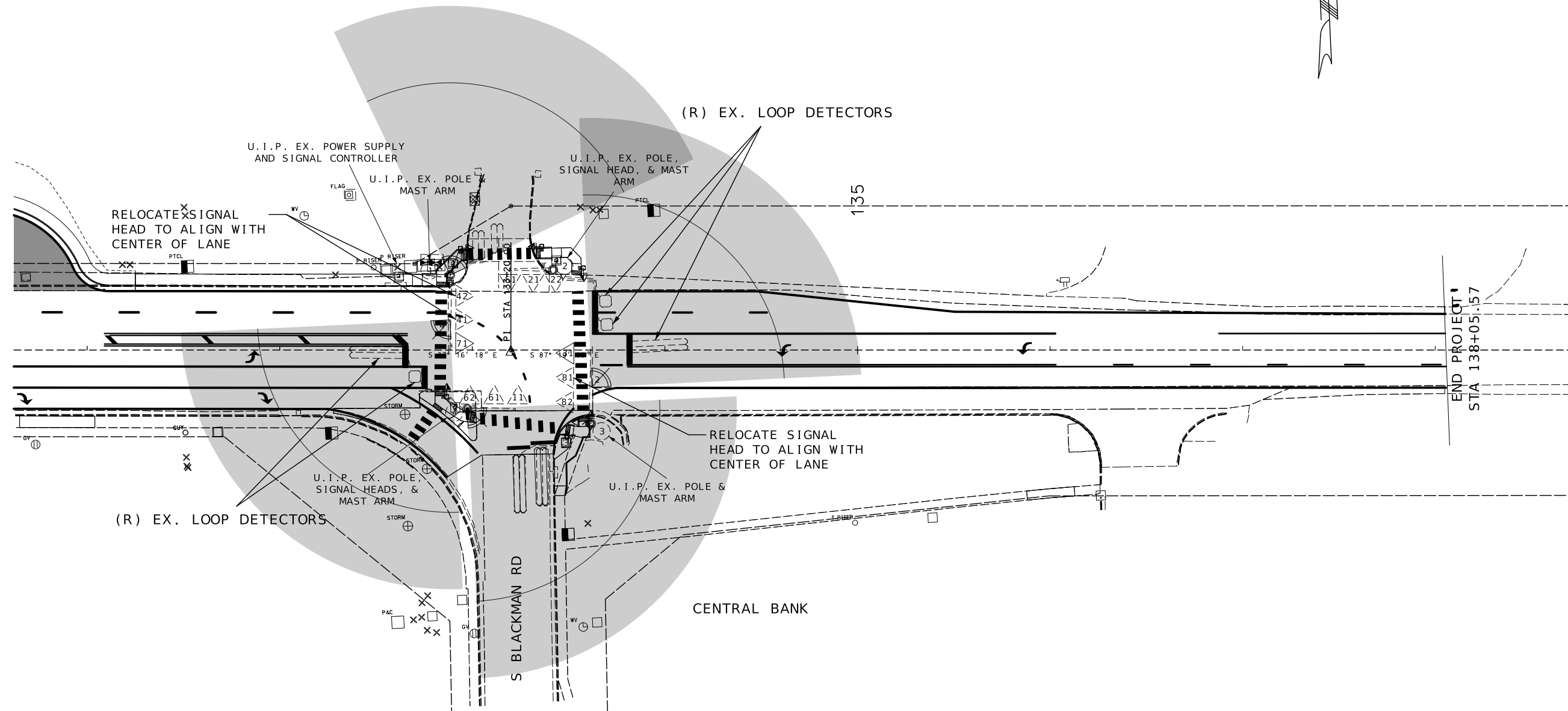
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1. INSTALL NEW RADAR DETECTION AT RTE. D
INTERSECTION WITH EASTGATE AVE.
2. NEW SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS,
AND APS DETECTORS TO BE INSTALLED WITH PROJECT
J8S3153
3. EXISTING MAINLINE LOOP DETECTORS TO BE
REMOVED WITH COLDMILLING, NO DIRECT PAY.

[illegible]

1. INSTALL NEW RADAR DETECTION AT RTE. D INTERSECTION WITH BLACKMAN RD.
2. NEW SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND APS DETECTORS TO BE INSTALLED WITH PROJECT J8S3153
3. MAINLINE EXISTING LOOP DETECTORS TO BE REMOVED WITH COLDMILLING, NO DIRECT PAY.

(R) EX. LOOP DETECTORS



STATE OF MISSOURI
KRISTI BACHMAN
NUMBER
PE-2003014941
PROFESSIONAL ENGINEER

Kristi Bachman
03/15/2026 6:01:38 PM
KRISTI BACHMAN - CIVIL

MO-PE-2003014941	
DATE PREPARED	
2/20/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	22
COUNTY	
GREENE	
JOB NO.	
J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



* EXISTING CONDUIT TO BE U.I.P.

** FOR INFORMATIONAL PURPOSES ONLY. PAID PER EACH FULLY OPERATIONAL RADAR-CONTROLLED INTERSECTION

* CONDUIT (WITH #14 TRACER WIRE)																	CABLE												ROUTE D MO		STATE MO					
FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				RADAR DETECTION CABLE **	LUMINAIRE		DETECTOR		FIBER		REMARKS	DISTRICT SW	SHEET NO. 23
				1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"	2c #16					5c #16	7c #16	3c #16	CONTROL	POLE & BRACKET	1c #14 IN DUCT		2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE						
																															2c #12	1c #10				
																			264								311						OAK GROVE, SENSOR ON POST 3	COUNTY GREENE	JOB NO. J850745	
																				249								296								OAK GROVE, SENSOR ON POST 3
																				403								456						OAK GROVE, SENSOR ON POST 2	PROJECT NO.	
																				385								438						OAK GROVE, SENSOR ON POST 2	BRIDGE NO.	
																				100								141						VENTURA, SENSOR ON POST 4	DESCRIPTION	
																				320								373						VENTURA, SENSOR ON POST 3		
																				289								342						VENTURA, SENSOR ON POST 3		
																				138								179						VENTURA, SENSOR ON POST 4		
																				206								259						PLAZA, SENSOR ON POST 5	DATE	
																				217								270						PLAZA, SENSOR ON POST 5		
																				132								179						PLAZA, SENSOR ON POST 6		
																				88								129						PLAZA, SENSOR ON POST 7		
																				46								81						PLAZA, SENSOR ON POST 1	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
																				18								53						PLAZA, SENSOR ON POST 1		
																				48								83						EASTGATE, SENSOR ON POST 1		
																				126								167						EASTGATE, SENSOR ON POST 2		
																				136								177						EASTGATE, SENSOR ON POST 3	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
																				209								256						EASTGATE, SENSOR ON POST 4		
																				15								50						BLACKMAN, SENSOR ON POST 1		
																				179								226						BLACKMAN, SENSOR ON POST 3		
																				90								131						BLACKMAN, SENSOR ON POST 4		
																				38								73						BLACKMAN, SENSOR ON POST 1		
SUBTOTALS																	SUBTOTALS											4,670						SIGNAL SHEET SHEET 8 OF 12		
TOTALS																	TOTALS											4,670								

DESCRIPTION

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DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

		OAK GROVE - 2070 INPUT FILE ASSIGNMENTS													
		TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = 8													
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
" I "	U		⬡			⬡	⬡								
	L														
" J "	U		⬡				⬡								
	L														

		VENTURA - 2070 INPUT FILE ASSIGNMENTS													
		TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = 8													
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
" I "	U		⬡			⬡	⬡								
	L														
" J "	U		⬡			⬡	⬡								
	L														

	PLAZA - 2070 INPUT FILE ASSIGNMENTS														
	TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 8														
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
" I "	U		⬡			⬡	⬡								
	L														
" J "	U		⬡			⬡	⬡								
	L														

	EASTGATE - 2070 INPUT FILE ASSIGNMENTS														
	TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 8														
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
" I "	U	⬡	⬡			⬡	⬡								
	L														
" J "	U	⬡	⬡			⬡	⬡								
	L														

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON	INDUCTION LOOP			RADAR *
			STANDARD	DELAY / EXTEND *	CALL UNIT *	
1	WESTERN, OAK GROVE AVE.					1
2	NORTHERN, OAK GROVE AVE.					1
3	EASTERN, OAK GROVE AVE.					1
4	SOUTHERN, OAK GROVE AVE.					1
1	NORTHERN, VENTURA AVE.					1
2	EASTERN, VENTURA AVE.					1
3	SOUTHERN, VENTURA AVE.					1
4	WESTERN, VENTURA AVE.					1
1	WESTERN, PLAZA AVE.					1
2	NORTHERN, PLAZA AVE.					1
3	SOUTHERN, PLAZA AVE.					1
4	SOUTHERN, PLAZA AVE.					1
5	EASTERN, PLAZA AVE.					1
6	NORTHERN, PLAZA AVE.					1
1	WESTERN, EASTGATE AVE.					1
2	NORTHERN, EASTGATE AVE.					1
3	EASTERN, EASTGATE AVE.					1
4	SOUTHERN, EASTGATE AVE.					1
1	NORTHERN, BLACKMAN RD.					1
2	EASTERN, BLACKMAN RD.					1
3	SOUTHERN, BLACKMAN RD.					1
4	WESTERN, BLACKMAN RD.					1
TOTAL						22

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED RADAR DETECTION SYSTEM		
SHEET	RADAR INSTALLATION	REMARKS
	EACH	
17, 21-22	4	OAK GROVE, VENTURA, EASTGATE, BLACKMAN
18	1	**PLAZA
TOTAL	5	

EACH IS PER FULLY OPERATIONAL INTERSECTION DETECTION SYSTEM

NOTES:

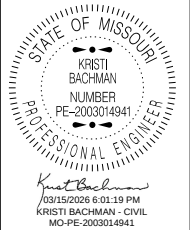
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** PLAZA INTERSECTION DETECTION PAID FOR SEPARATELY DUE TO THE ADDITIONAL EQUIPMENT REQUIRED.

EXISTING CONTROLLERS AND POWER SUPPLIES TO BE USED AT EACH INTERSECTION WHERE WORK IS INCLUDED IN PROJECT J850745.

EXISTING OUTPUT ASSIGNMENTS TO BE USED IN PLACE.

	BLACKMAN - 2070 INPUT FILE ASSIGNMENTS														
	TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = 8														
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
" I "	U	⬡	⬡			⬡	⬡								
	L														
" J "	U					⬡	⬡								
	L														



DATE PREPARED
2/20/2025
ROUTE D STATE MO
DISTRICT SW SHEET NO. 24

COUNTY
GREENE
JOB NO.
J850745
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

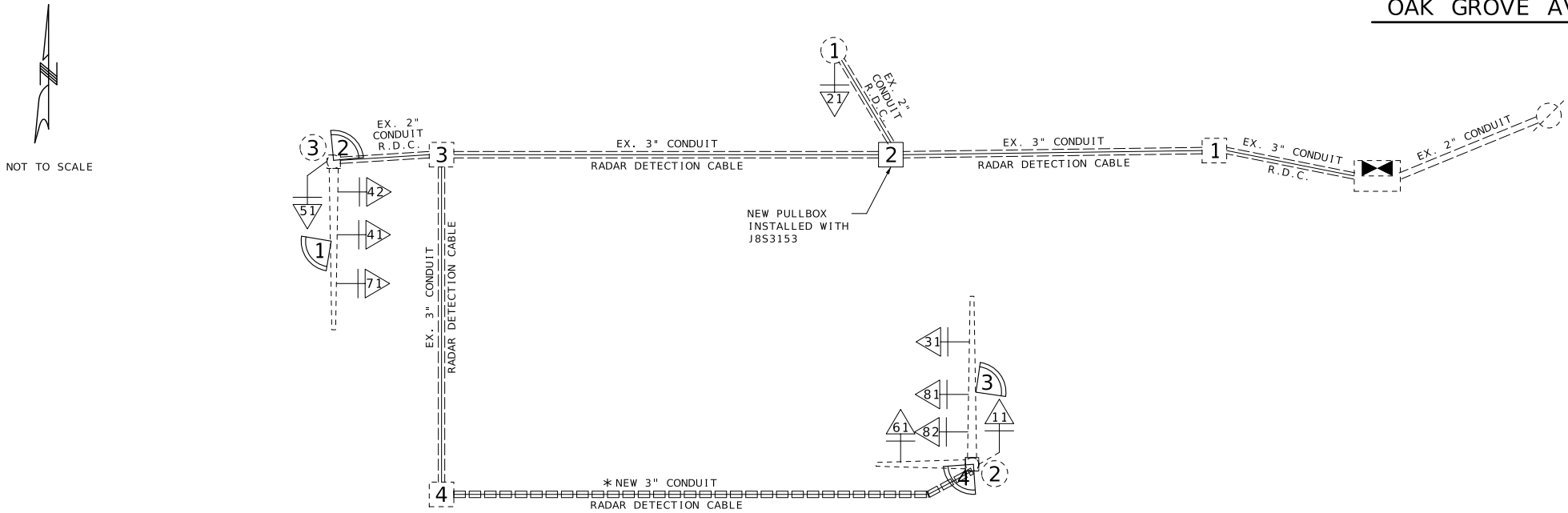
DESCRIPTION									

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



WIRING DIAGRAMS

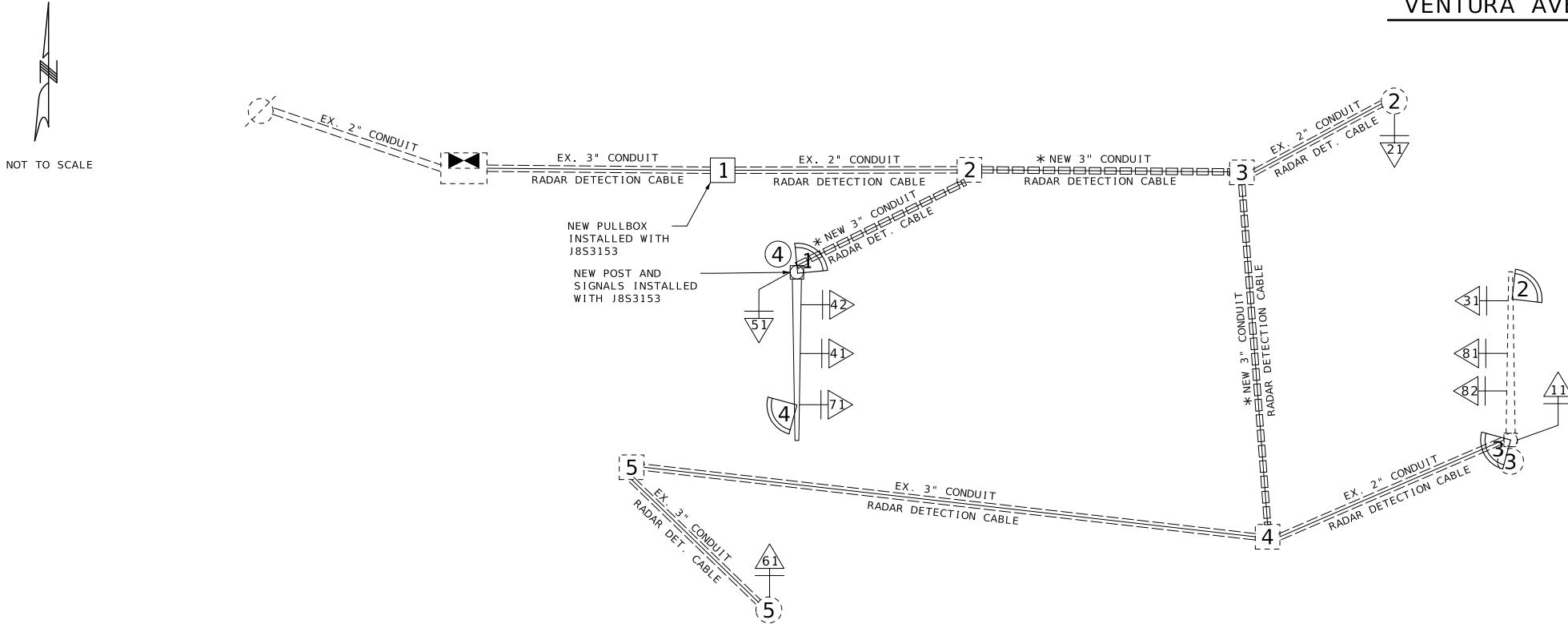
OAK GROVE AVE



NOTE: EXISTING INDUCTION LOOP DETECTION TO BE CUT/ABANDONED

* NEW 3" CONDUIT TO BE INSTALLED WITH PROJECT J8S3153

VENTURA AVE



NOTE: EXISTING INDUCTION LOOP DETECTION TO BE CUT/ABANDONED

* NEW 3" CONDUIT TO BE INSTALLED WITH PROJECT J8S3153

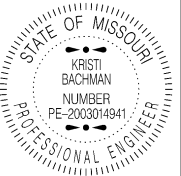
LEGEND

- EXISTING CONDUIT
- NEW CONDUIT
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTION SENSOR WITH NUMBER

SIGNAL SHEET
SHEET 10 OF 12

ROUTE D & OAK GROVE
ROUTE D & VENTURA
INTERSECTIONS

D-37D



Kristi Bachman
06/02/2026 8:35:11 AM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

DATE PREPARED
5/4/2026

ROUTE D STATE MO
DISTRICT SW SHEET NO. 25

COUNTY GREENE
JOB NO. J8S0745
CONTRACT ID.

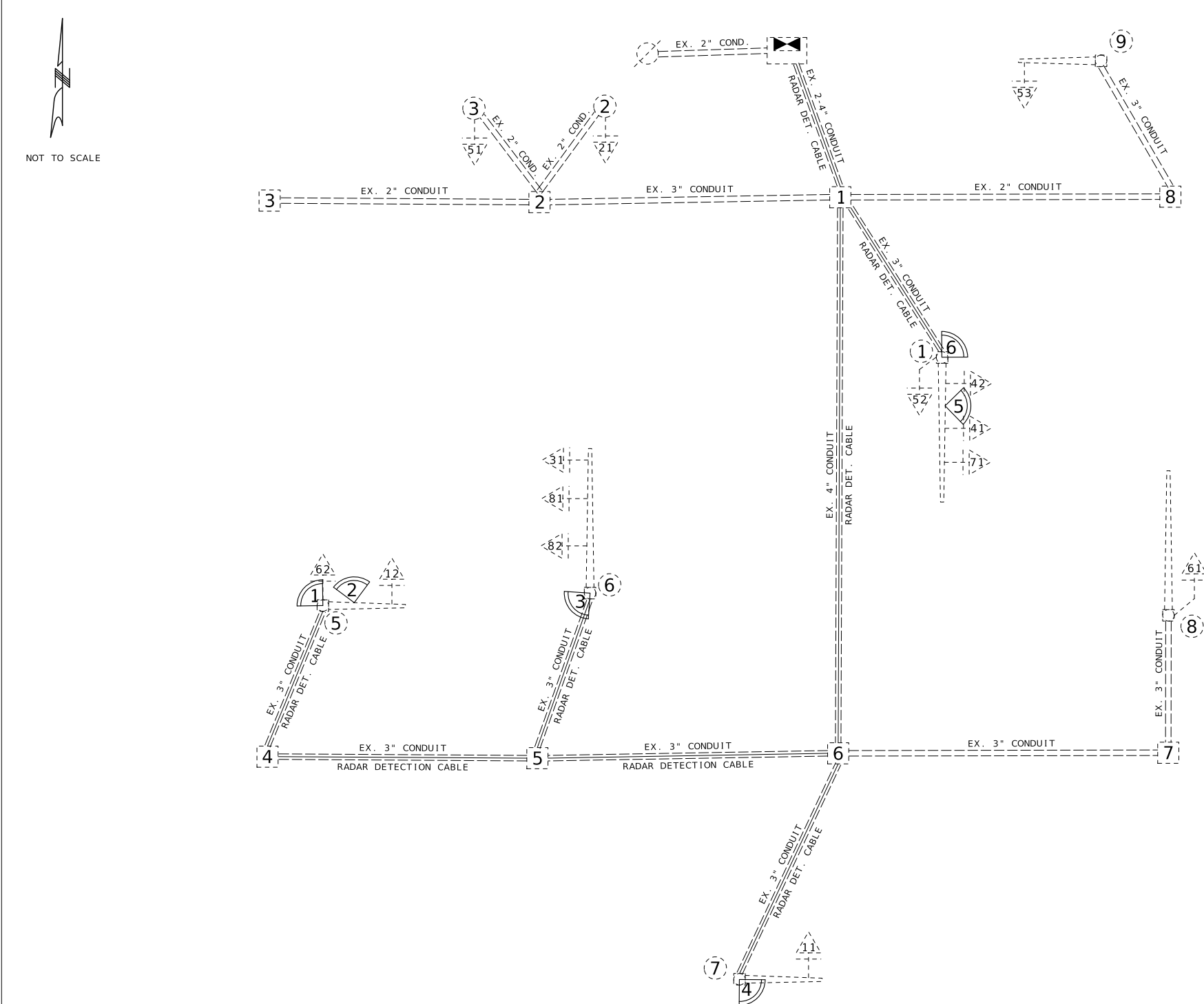
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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



WIRING DIAGRAM



NOTE: EXISTING INDUCTION LOOP DETECTION TO BE CUT/ABANDONED

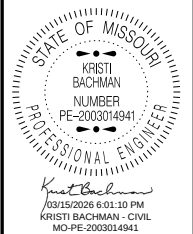
LEGEND

- EXISTING CONDUIT
- NEW CONDUIT
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X PULL BOX WITH NUMBER
- X POST WITH NUMBER
- X X POST WITH MAST ARM
- X POST WITH MAST ARM AND LUMINAIRE
- X DETECTOR WITH NUMBER
- X SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- X RADAR DETECTION SENSOR WITH NUMBER

SIGNAL SHEET
SHEET 11 OF 12

ROUTE D & PLAZA
INTERSECTION

D-37D



DATE PREPARED 2/20/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 26
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

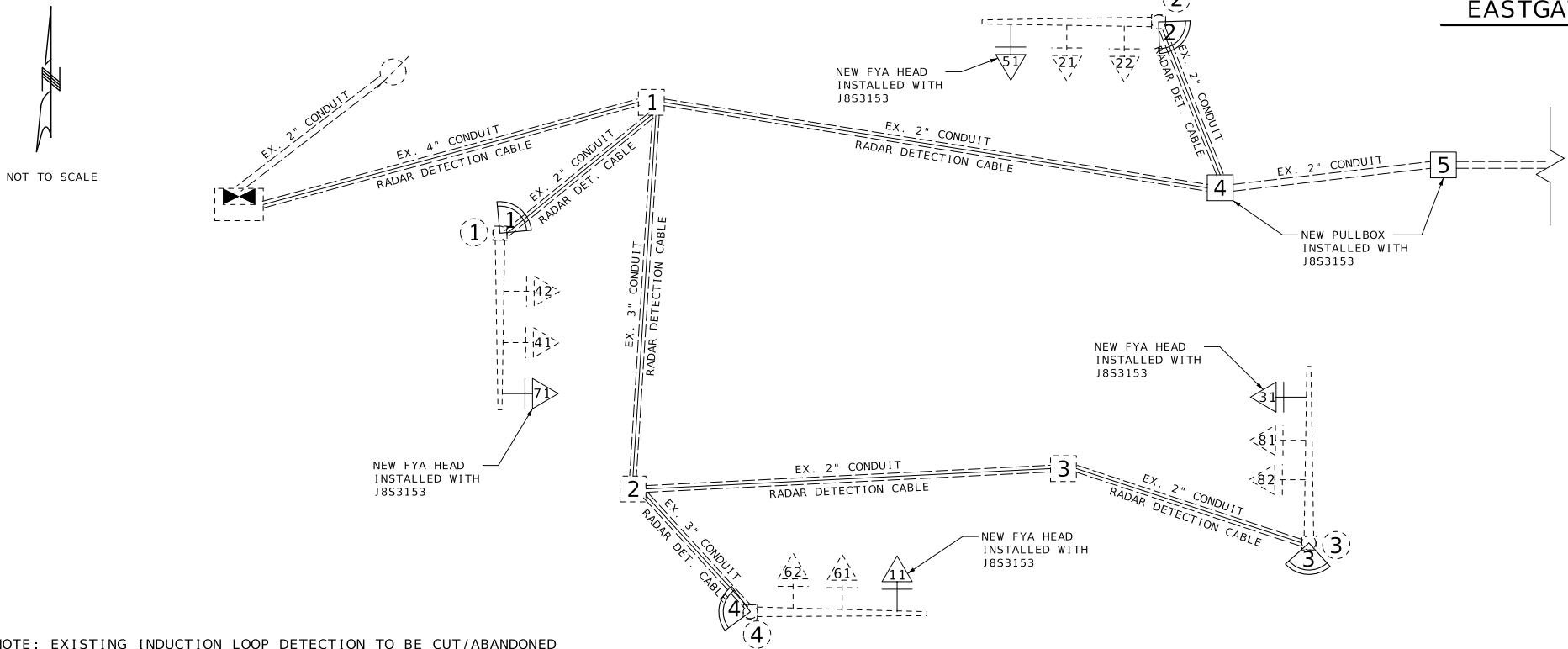
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

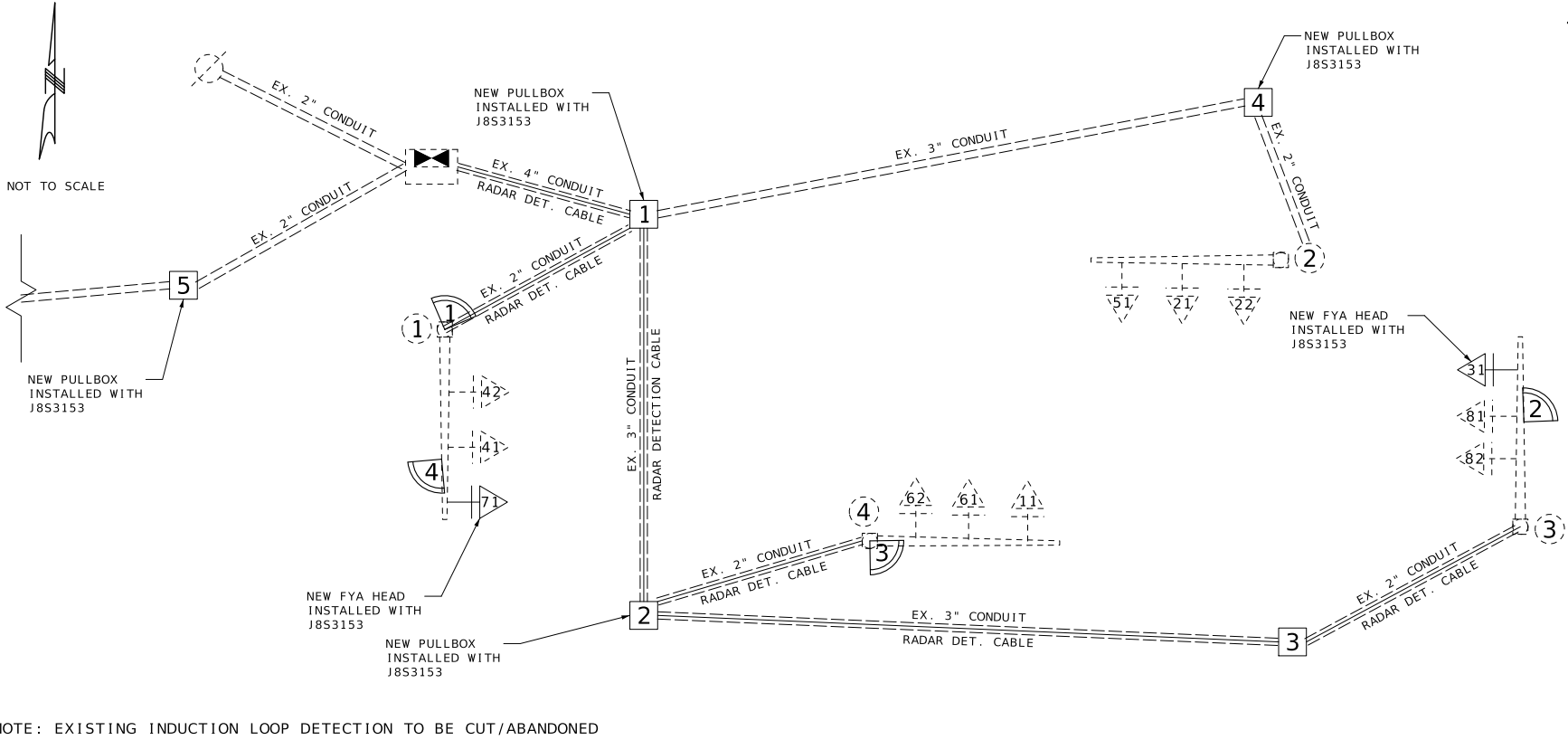
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

WIRING DIAGRAMS

EASTGATE AVE



BLACKMAN RD



LEGEND

- EXISTING CONDUIT
- NEW CONDUIT
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTION SENSOR WITH NUMBER

SIGNAL SHEET
SHEET 12 OF 12

ROUTE D & EASTGATE
ROUTE D & BLACKMAN
INTERSECTIONS

D-37D

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

Kristi Bachman

10/15/2025 6:03:43 PM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

2/20/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

27

COUNTY

GREENE

JOB NO.

J850745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

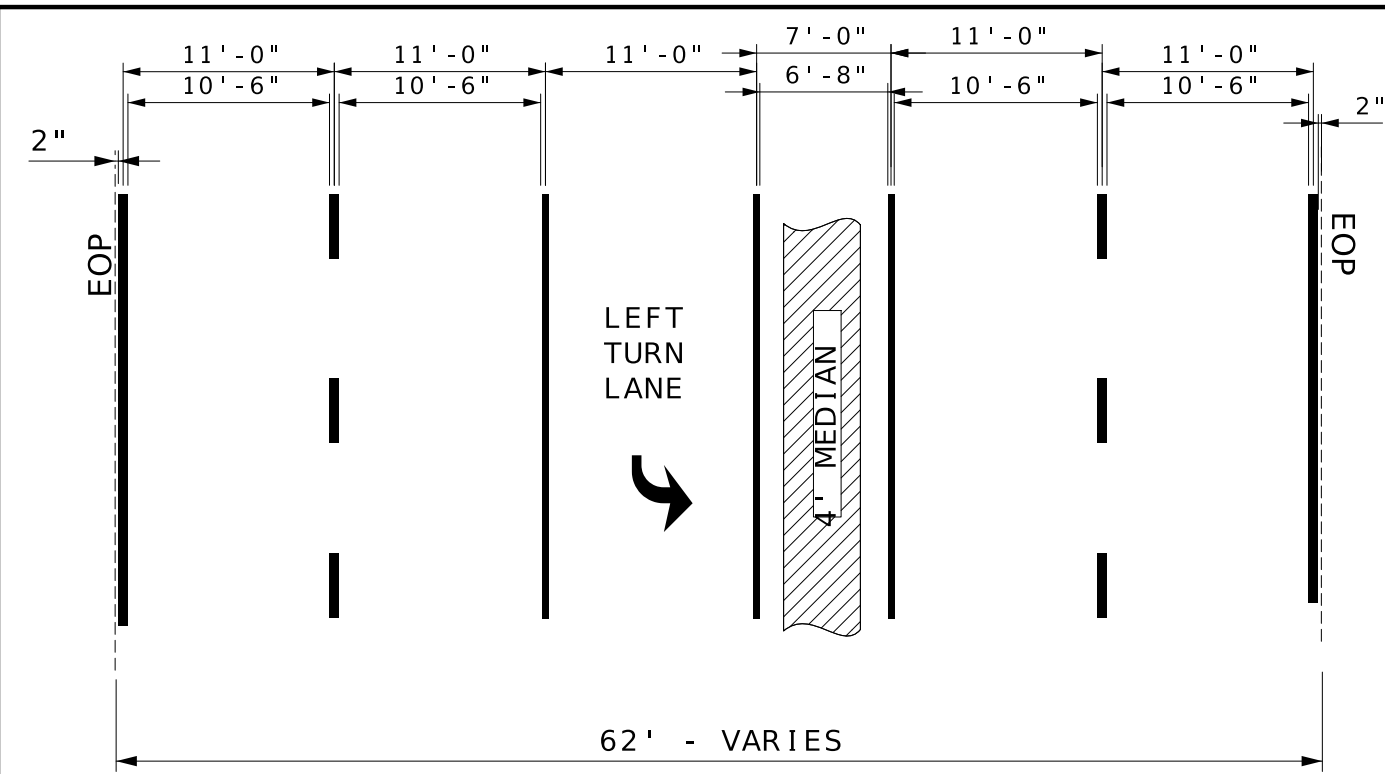
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



PAVEMENT MARKING SHEET
SHEET 1 OF 20

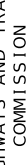
[illegible]

This diagram illustrates the wheel paths of a vehicle during a U-turn. It shows a vehicle's footprint (a rectangle with a semi-circular front) at the start of the turn. The vehicle is positioned between two dashed vertical lines representing the wheel paths of the front wheels. As the vehicle turns, the front wheels follow a curved path, indicated by a large curved arrow. The rear wheels follow a straighter path, indicated by a large straight arrow. The diagram also shows the vehicle's path as it completes the turn, with the front wheels following a curved path and the rear wheels following a straighter path. The vehicle's path is bounded by two dashed vertical lines, and the wheel paths are indicated by two solid lines labeled "WHEEL PATHS". The vehicle's path is also labeled "CURB LINE".

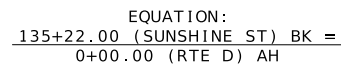
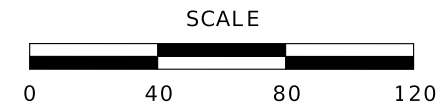
The diagram illustrates a five-lane highway cross-section. It features a central three-lane section flanked by two one-lane sections. The central section consists of a 24-foot wide lane on the left, a 24-foot wide shoulder (labeled 'S') in the middle, and a 24-foot wide lane on the right. The two outer sections each consist of a 24-foot wide lane. The total width of the highway is 100 feet. The diagram also shows the vertical clearance of the highway, which is 6 feet minimum (4 feet for the shoulder and 2 feet for the lane). The diagram is labeled 'LANE' at the bottom.

LONGITUDINAL BAR CROSSWALK	
NUMBER OF 10' - 12' LANES	NUMBER OF 24" WHITE BARS
1	3
2	5
3	7
4	9
5	11

[illegible]

	
DATE PREPARED 10/16/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 29
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DESCRIPTION
	DATE
	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

EQUATION:

$$\frac{\text{Sta } 129+35.50 \text{ (SUNSHINE ST) BK}}{\text{Sta } 129+34.0 \text{ (SUNSHINE ST) AH}} =$$


ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 30

COUNTY
GREENE

JOB NO.
J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

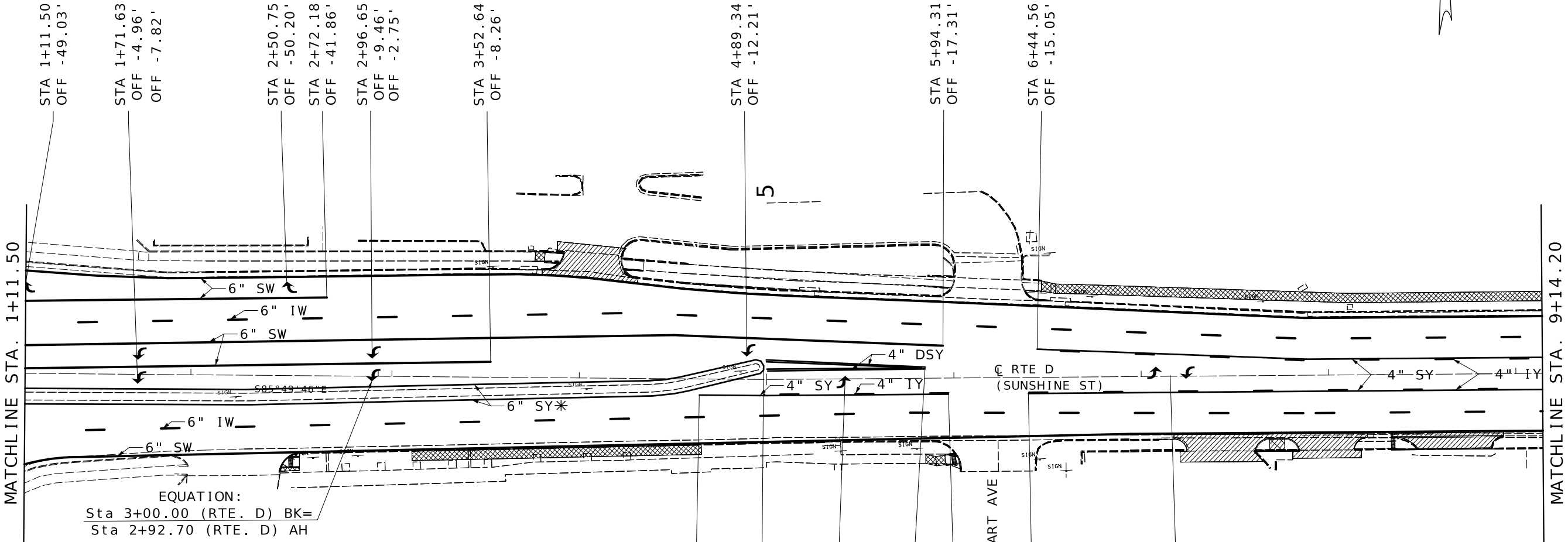


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153

ZIGGIE'S CAFE

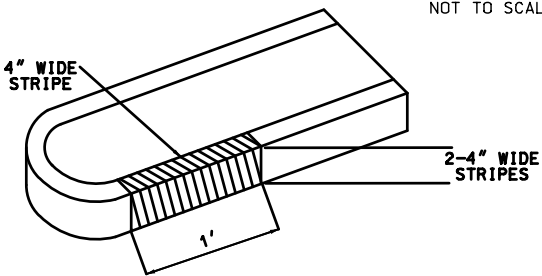
BEST WESTERN



EQUATION:
$$\frac{\text{Sta } 3+00.00 \text{ (RTE. D) BK} - \text{Sta } 2+92.70 \text{ (RTE. D) AH}}{\text{Sta } 3+00.00 \text{ (RTE. D) BK} - \text{Sta } 2+92.70 \text{ (RTE. D) AH}}$$

CENTRAL BANK

* PAINTED BARRIER CURB



NOTE:
ONE LINEAR FOOT OF CURB INCLUDES 4\"/>

SCALE



PAVEMENT MARKING SHEET
SHEET 4 OF 20



DATE PREPARED
10/16/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 31

COUNTY GREENE

JOB NO. J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

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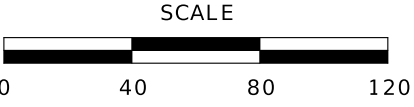
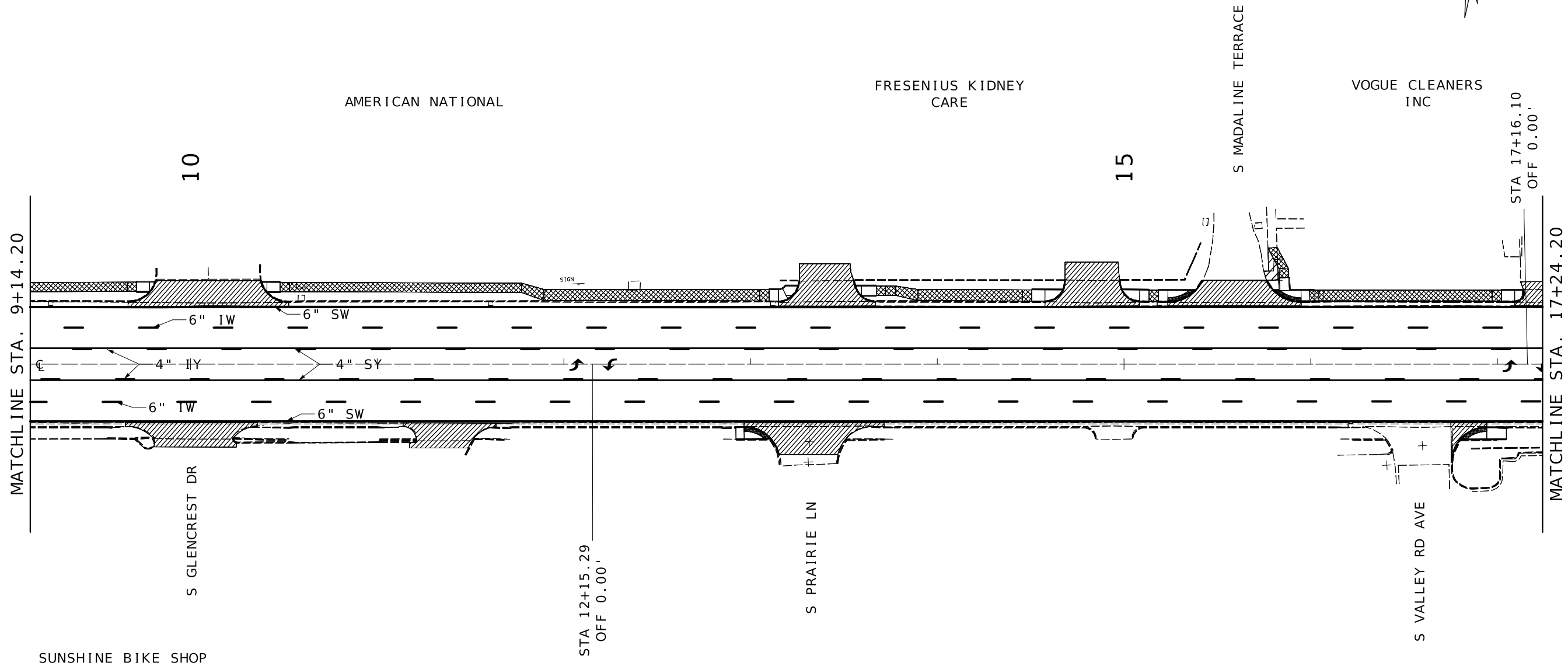
DATE

DATE

DATE

DATE

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 5 OF 20

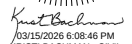
STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER


03/15/2025 6:08:46 PM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

DATE PREPARED

10/16/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

32

COUNTY

GREENE

JOB NO.

J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

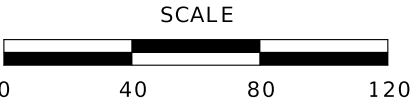
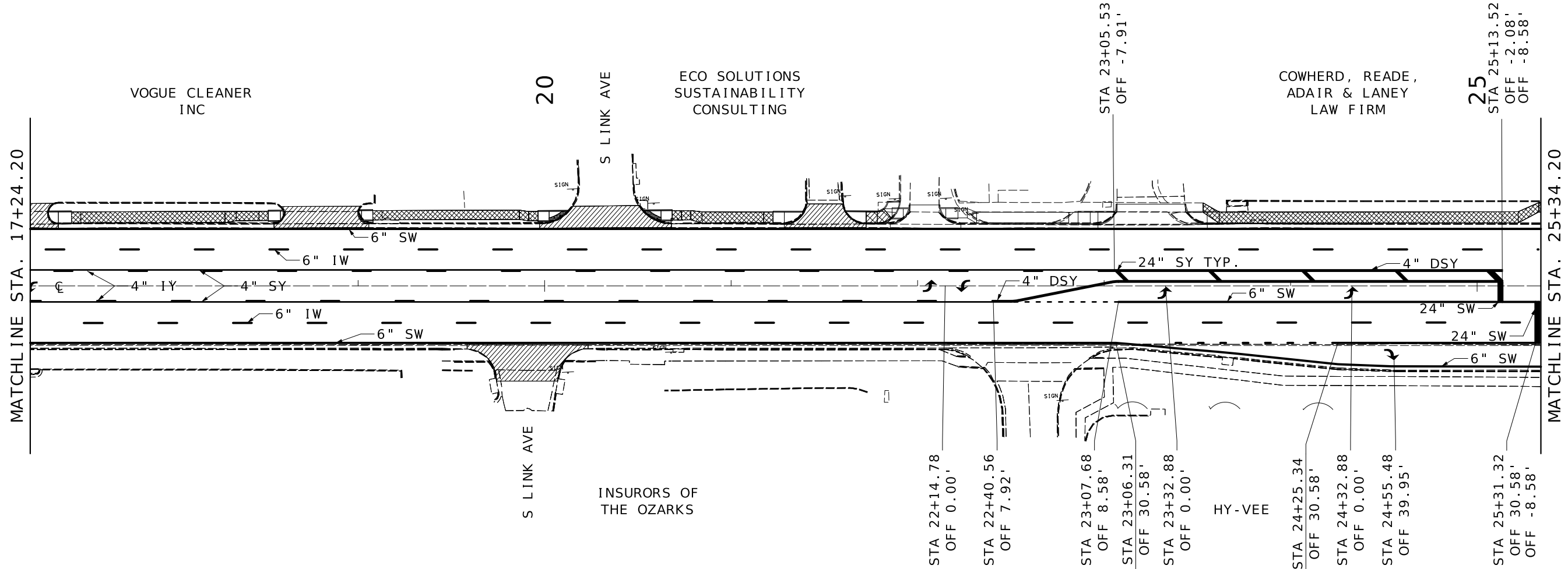
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION


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

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



DATE PREPARED
10/16/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 33

COUNTY GREENE

JOB NO. J8S0745

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)

MATCHLINE STA. 33+44.20



MATCHLINE STA. 41+54.20



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Kristi Bachman
03/15/2026 6:08:29 PM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

ROUTE D	STATE MO
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COUNTY
GREENE

CONTRACT ID.

BRIDGE NO.

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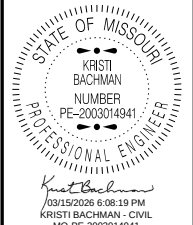
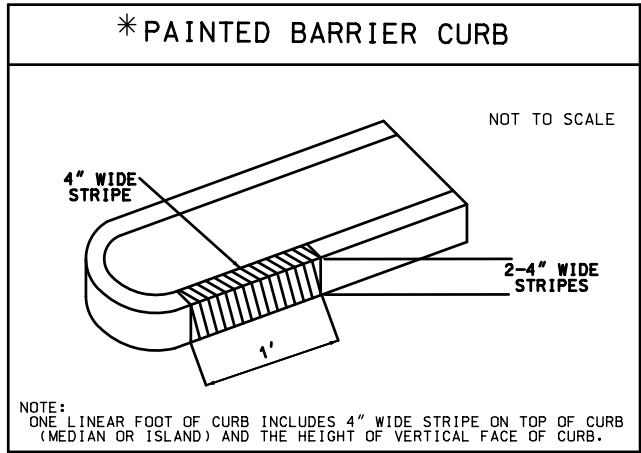
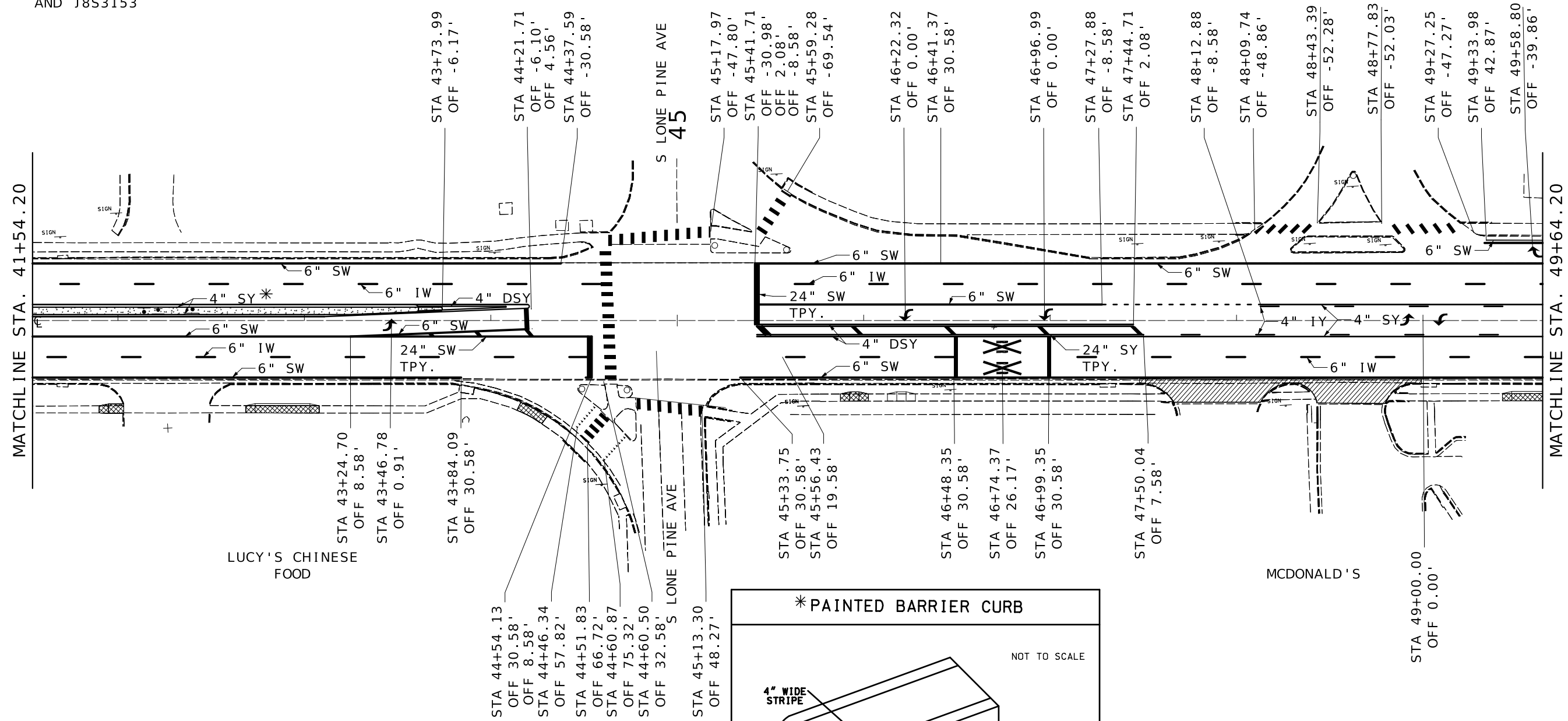
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NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



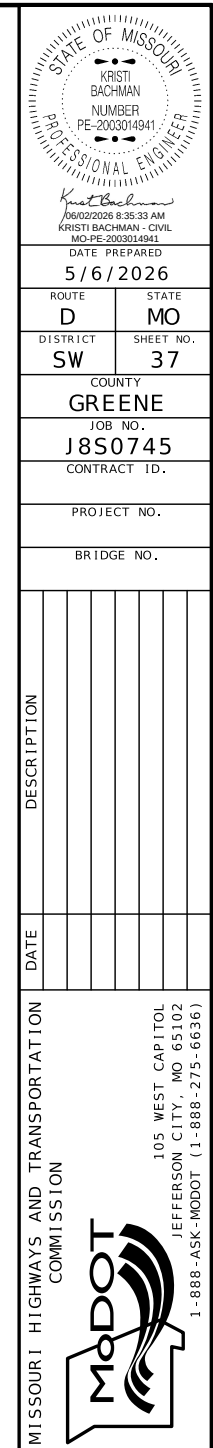
DATE PREPARED 10/16/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 36
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

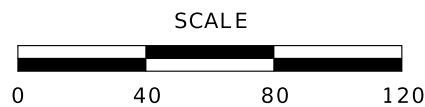
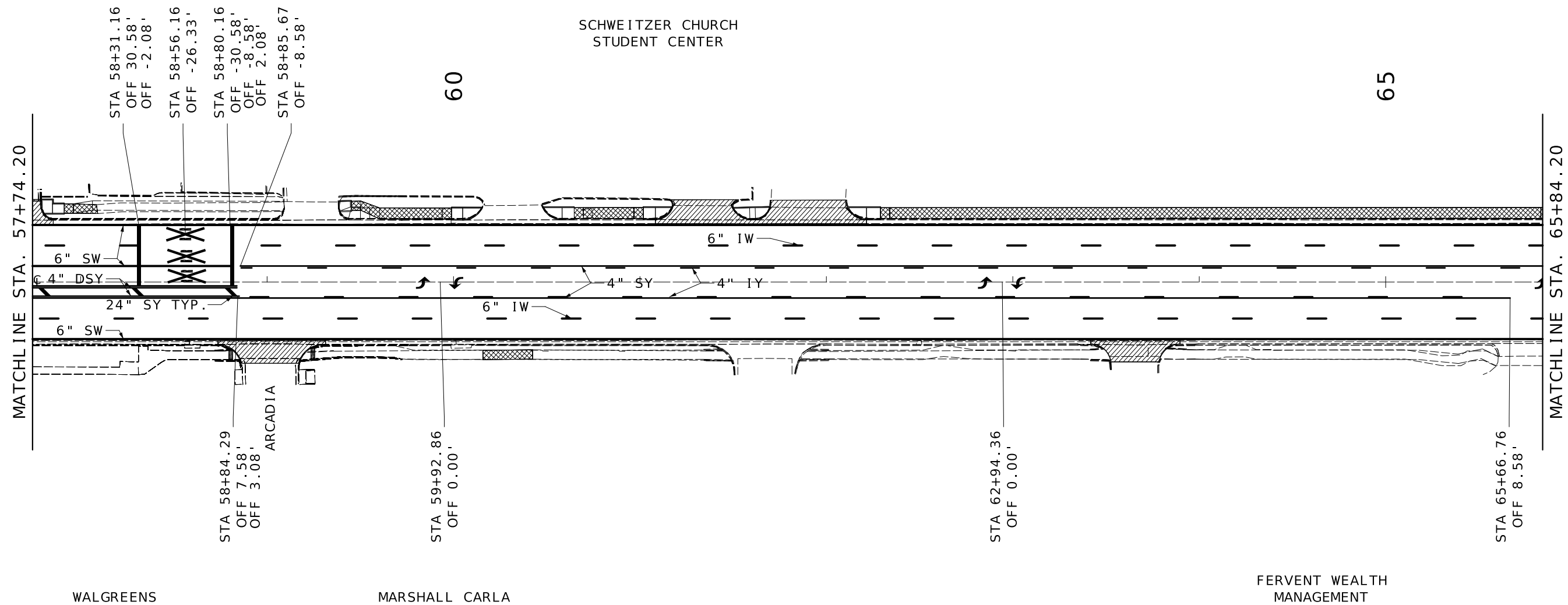
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

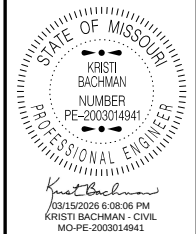
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 11 OF 20



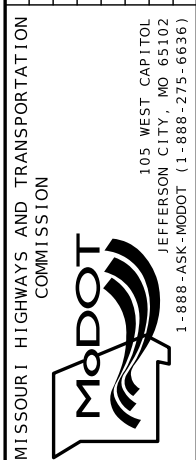
DATE PREPARED
10/16/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 38
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	

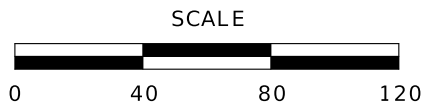
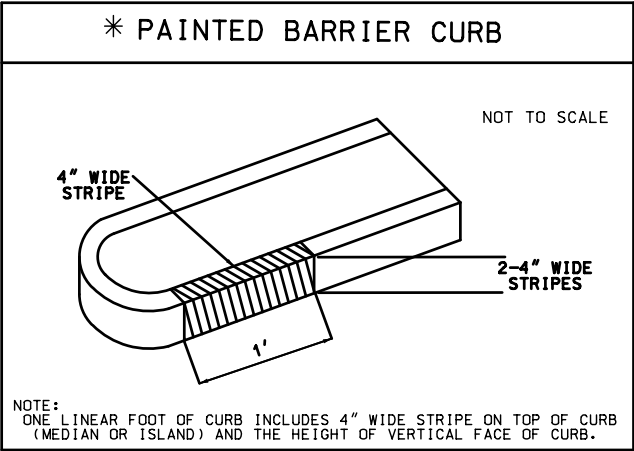
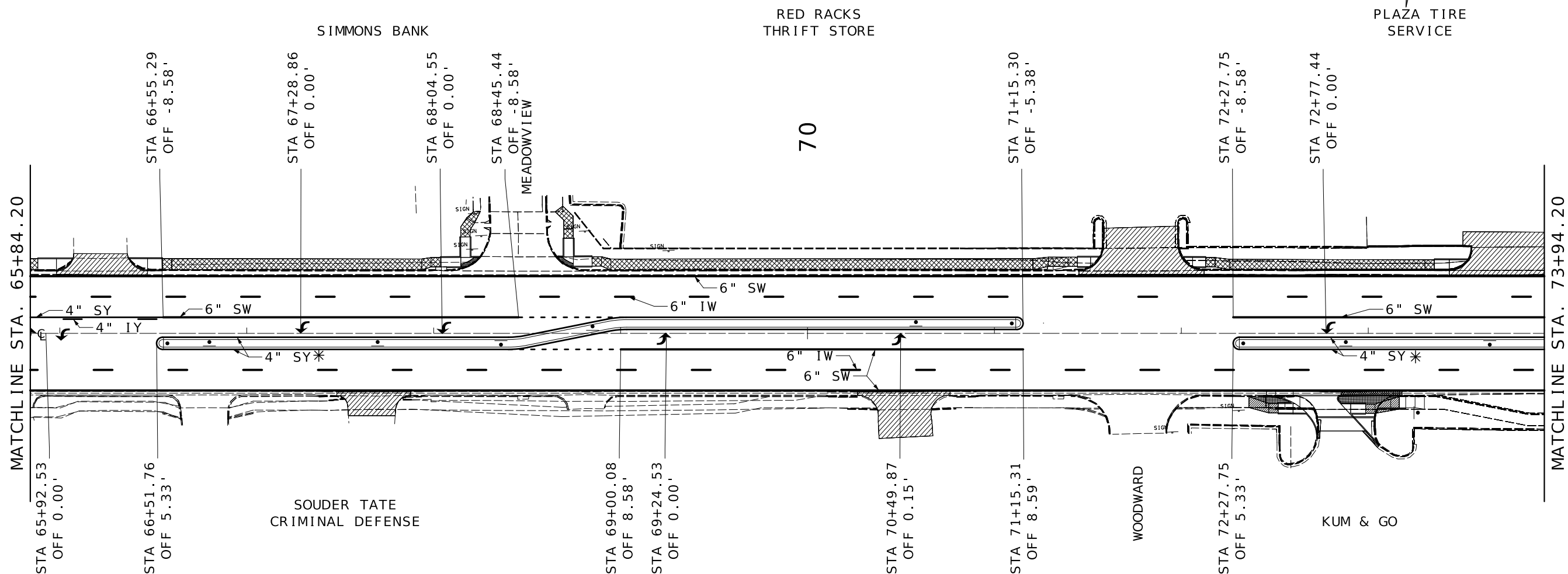
PROJECT NO.

BRIDGE NO.

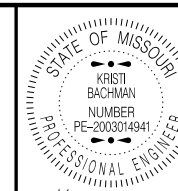
DATE	DESCRIPTION



NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 12 OF 20



DATE PREPARED
10/16/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 39

COUNTY GREENE

JOB NO. J8S0745

CONTRACT ID.

PROJECT NO.

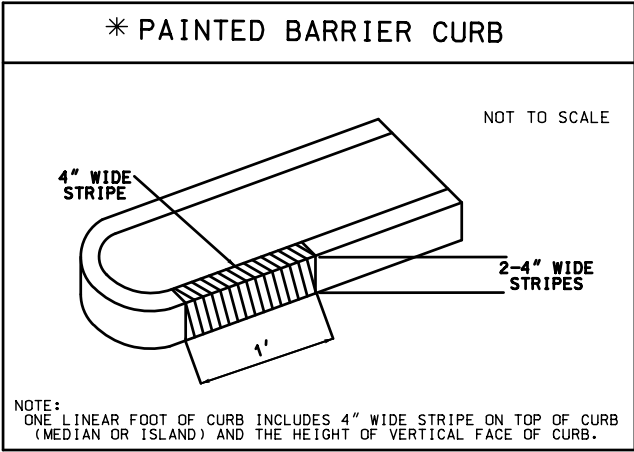
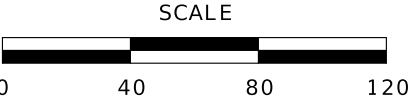
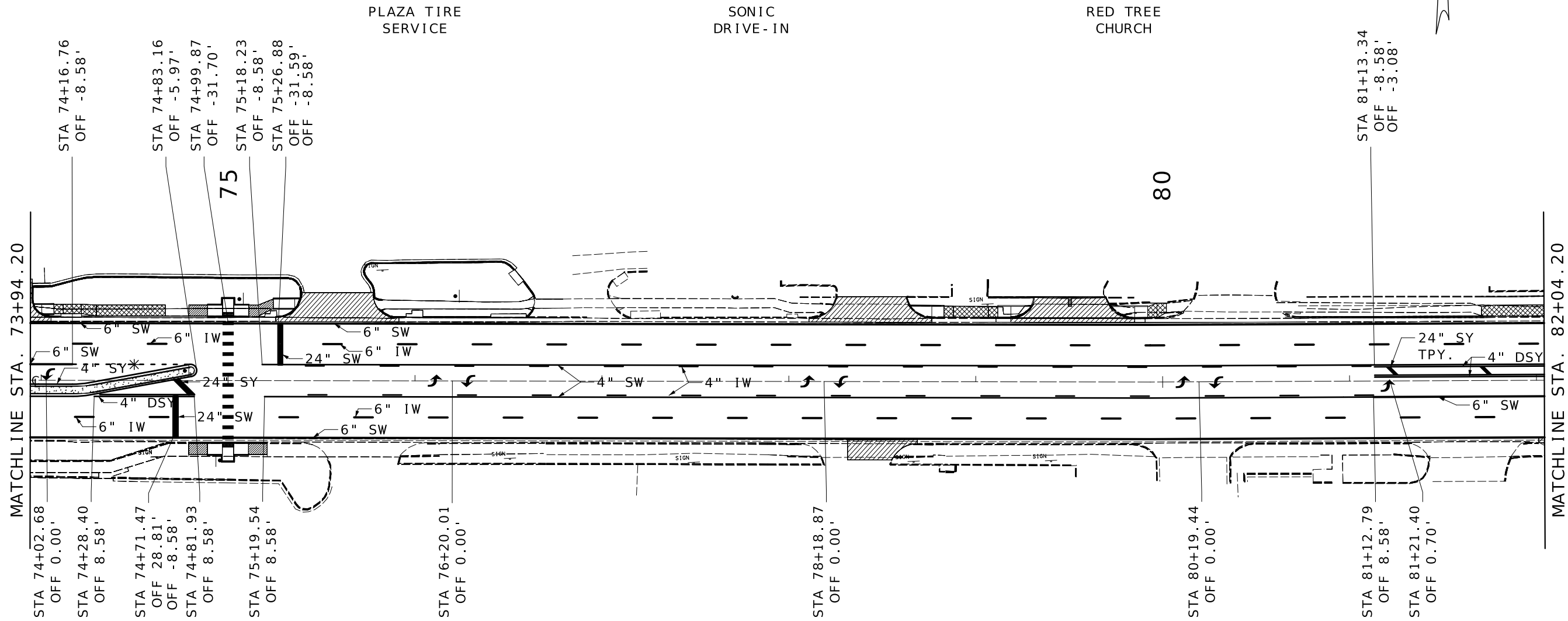
BRIDGE NO.

DATE	DESCRIPTION

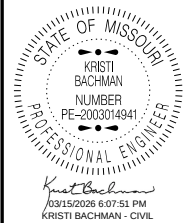
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 13 OF 20



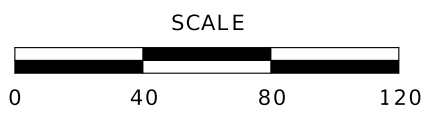
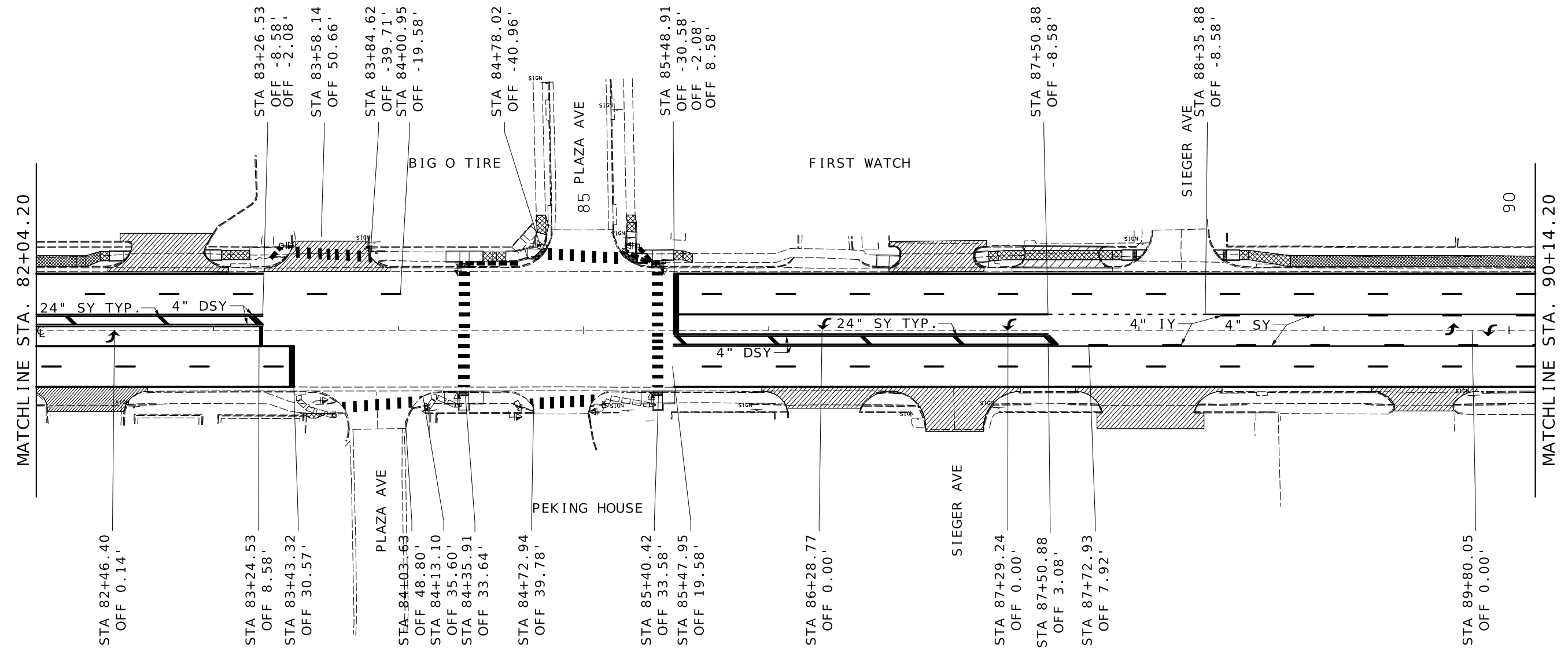
DATE PREPARED 10/16/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 40
COUNTY GREENE	
JOB NO. J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 14 OF 20

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

06/02/2026 8:35:48 AM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED

5/4/2026

ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	41

COUNTY

GREENE

JOB NO.

J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

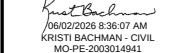
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

[illegible]

ROUTE	STATE
D	MO

COUNTY
GREENE

CONTRACT ID.

BRIDGE NO.

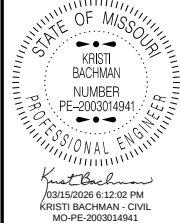
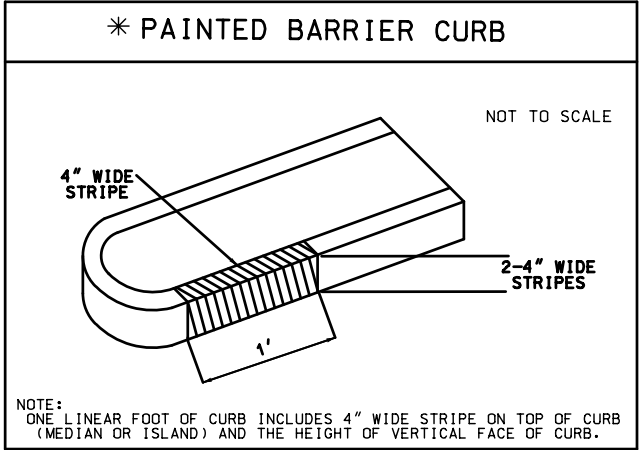
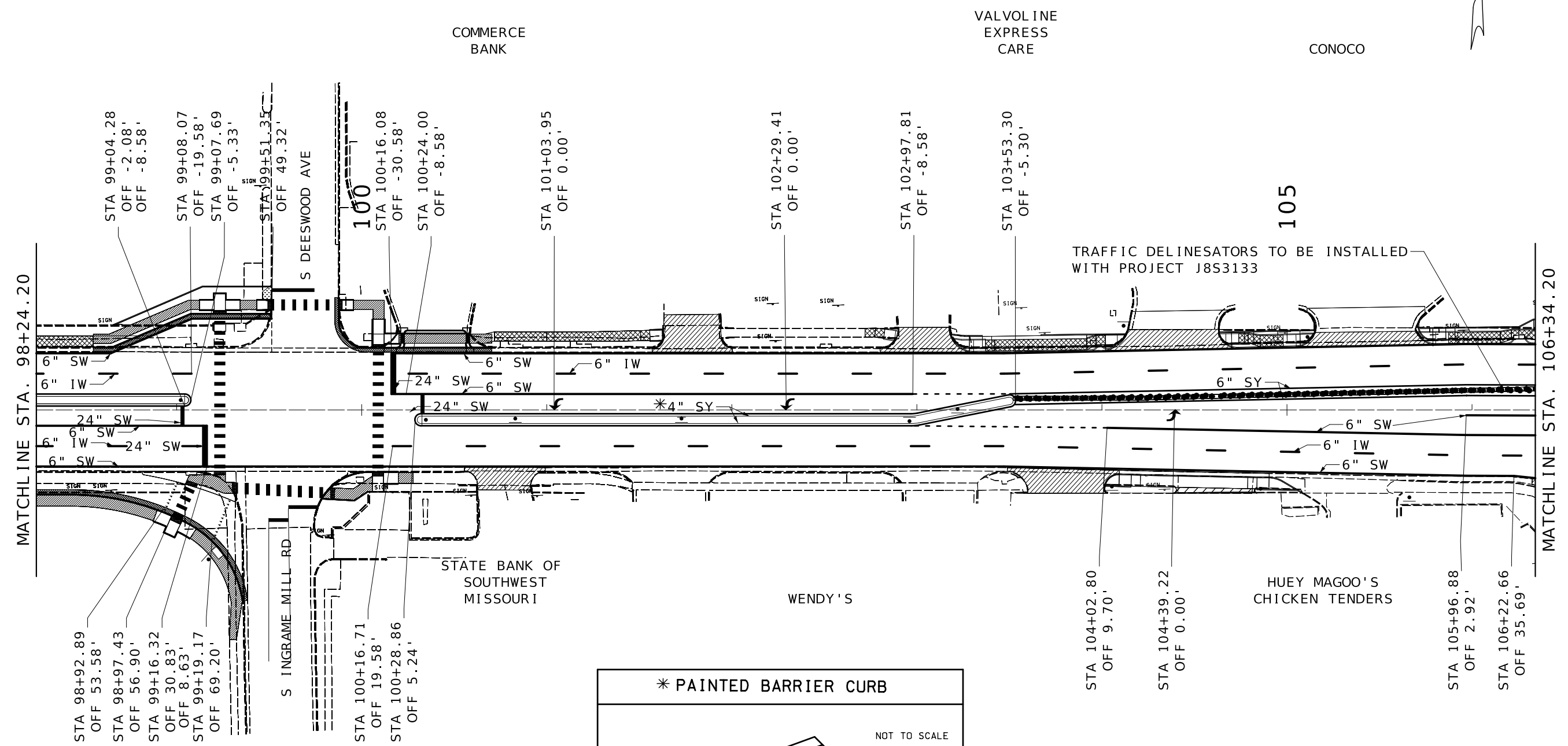
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 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



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

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



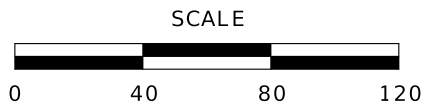
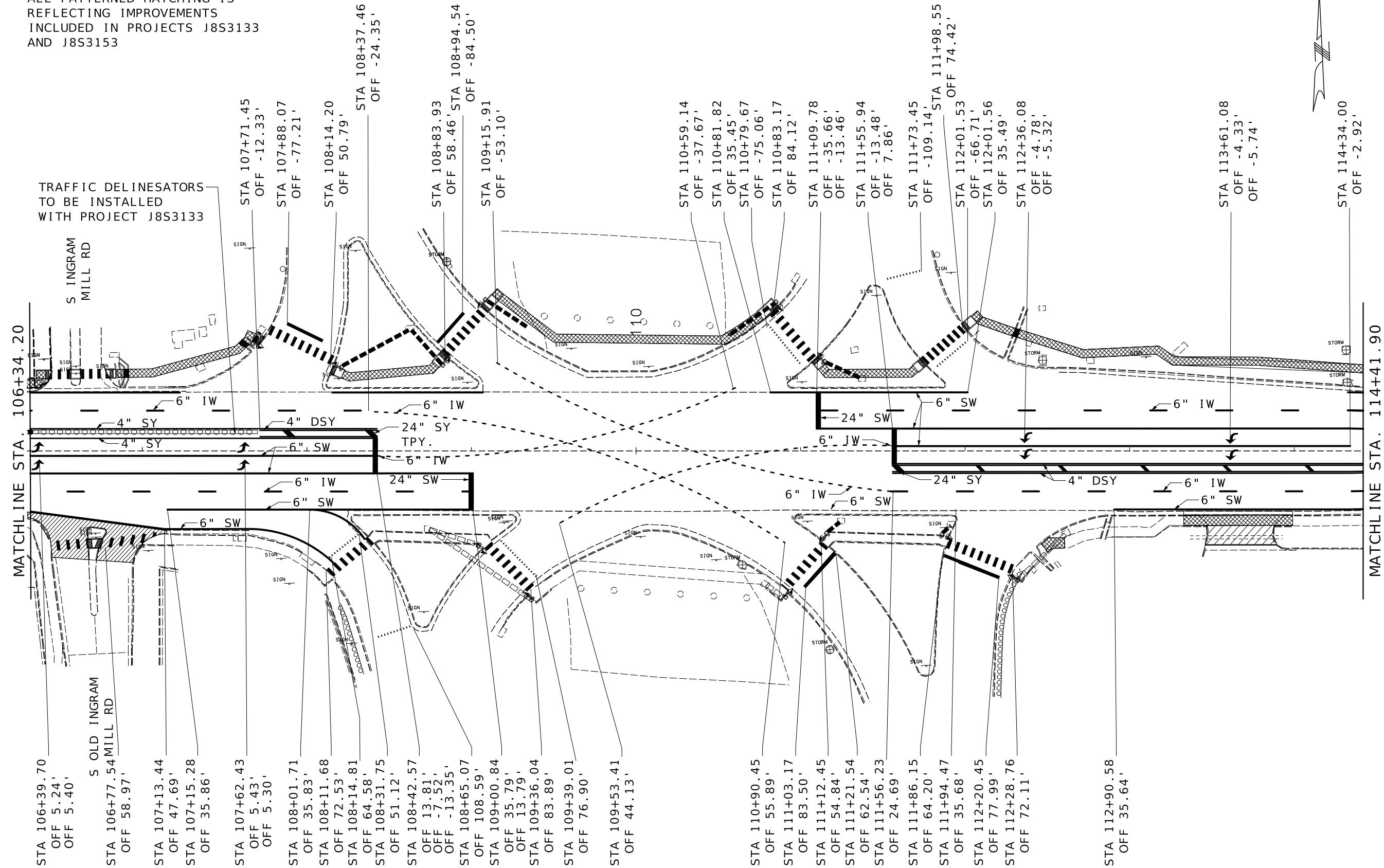
DATE PREPARED	
10/16/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	43
COUNTY	
GREENE	
JOB NO.	
J8S0745	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 17 OF 20

STATE OF MISSOURI
KRISTI BACHMAN
NUMBER
PE-2003014941
PROFESSIONAL ENGINEER
Kristi Bachman
06/02/2026 8:36:25 AM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

DATE PREPARED
5/4/2026

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
44

COUNTY
GREENE

JOB NO.
J8S0745

CONTRACT ID.

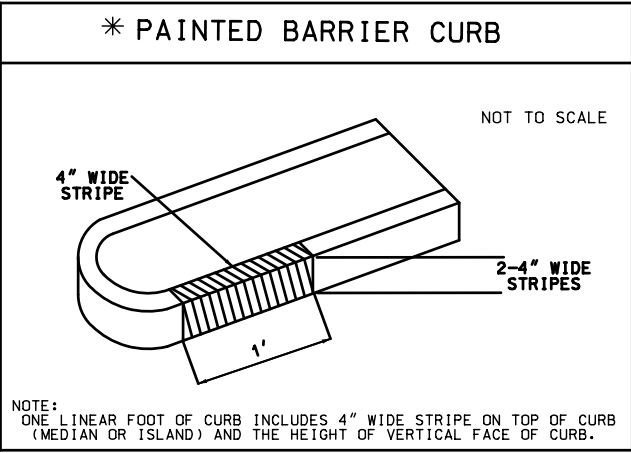
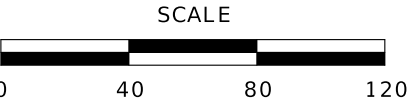
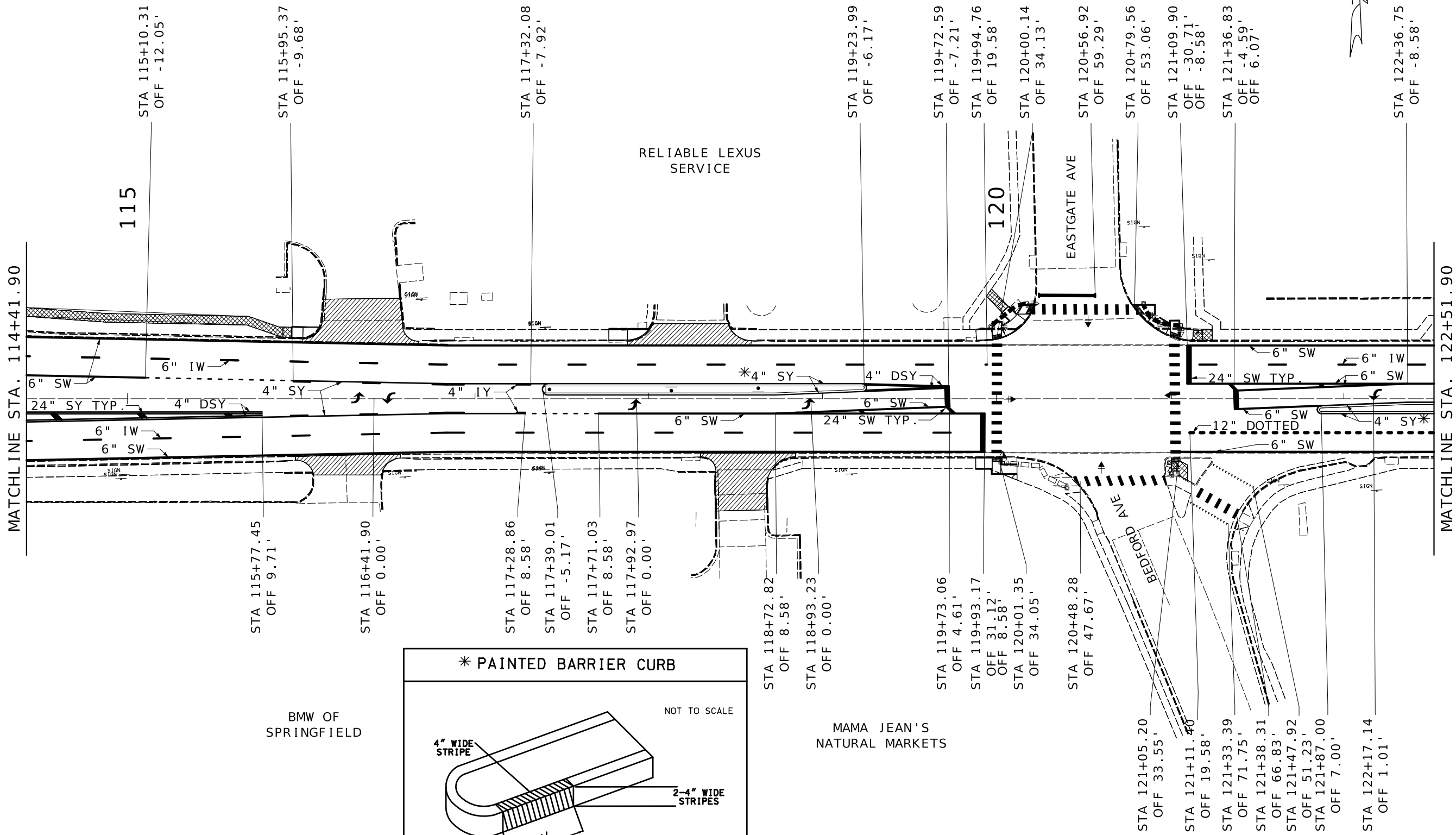
PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153



PAVEMENT MARKING SHEET
SHEET 18 OF 20

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

Kristi Bachman

09/15/2025 8:11:46 PM

KRISTI BACHMAN - CIVIL

MO-PE-2003014941

DATE PREPARED
10/16/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
45

COUNTY
GREENE

JOB NO.
J8S0745

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 (1-888-273-6636)

NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153

GO FRESH
MARKET

DAIRY QUEEN
GRILL & CHILL

130

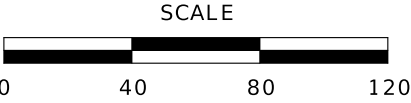
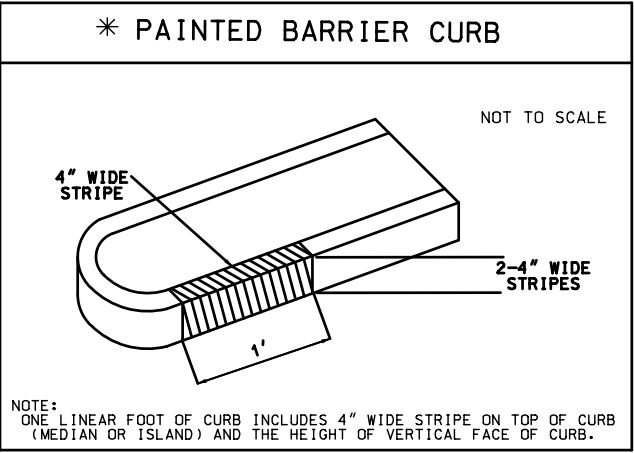
125

MATCHLINE STA. 122+51.90

MATCHLINE STA. 130+61.90

ST. GEORGE'S
DONUTS

WALMART
NEIGHBORHOOD
MARKET



STA 126+65.41
OFF 19.53'

STA 126+93.24
OFF 30.52'

STA 126+99.50
OFF 34.96'

STA 127+57.62
OFF 42.28'

STA 127+72.74
OFF 5.27'

STA 128+05.51
OFF 30.52'

STA 129+62.15
OFF 8.52'

STA 130+49.44
OFF 4.74'

STA 123+42.20
OFF 0.05'

STA 125+42.35
OFF 0.38'

STA 126+54.74
OFF 8.64'

STA 127+37.09
OFF 6.36'

STA 127+74.34
OFF 8.64'

STA 128+44.72
OFF 0.42'

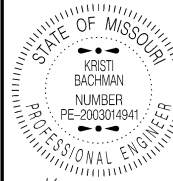
STA 129+04.39
OFF 8.64'

STA 129+30.20
OFF 39.64'

STA 129+81.53
OFF 30.64'

STA 130+57.25
OFF 5.33'

STA 129+14.74
OFF 30.82'



DATE PREPARED
5/4/2026

ROUTE D STATE MO
DISTRICT SW SHEET NO. 46

COUNTY GREENE

JOB NO. J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

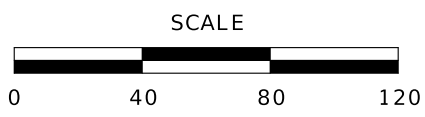
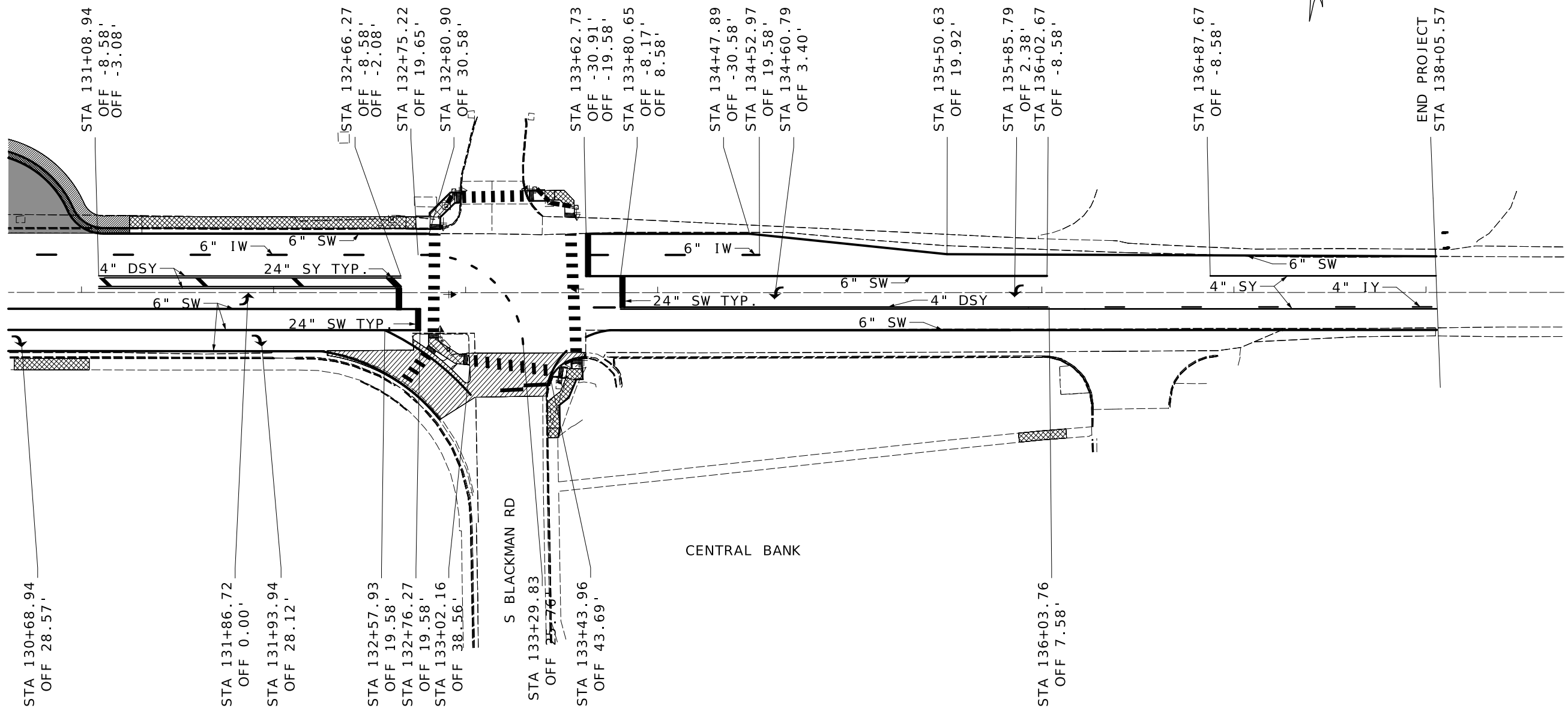
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



NOTE:
ALL PATTERNED HATCHING IS
REFLECTING IMPROVEMENTS
INCLUDED IN PROJECTS J8S3133
AND J8S3153

INTERNATIONAL
DEHYDRATED
FOODS



PAVEMENT MARKING SHEET
SHEET 20 OF 20

STATE OF MISSOURI

KRISTI BACHMAN

NUMBER

PE-2003014941

PROFESSIONAL ENGINEER

03/15/2025 6:11:35 PM
KRISTI BACHMAN - CIVIL
MO-PE-2003014941

DATE PREPARED

10/16/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

47

COUNTY

GREENE

JOB NO.

J8S0745

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

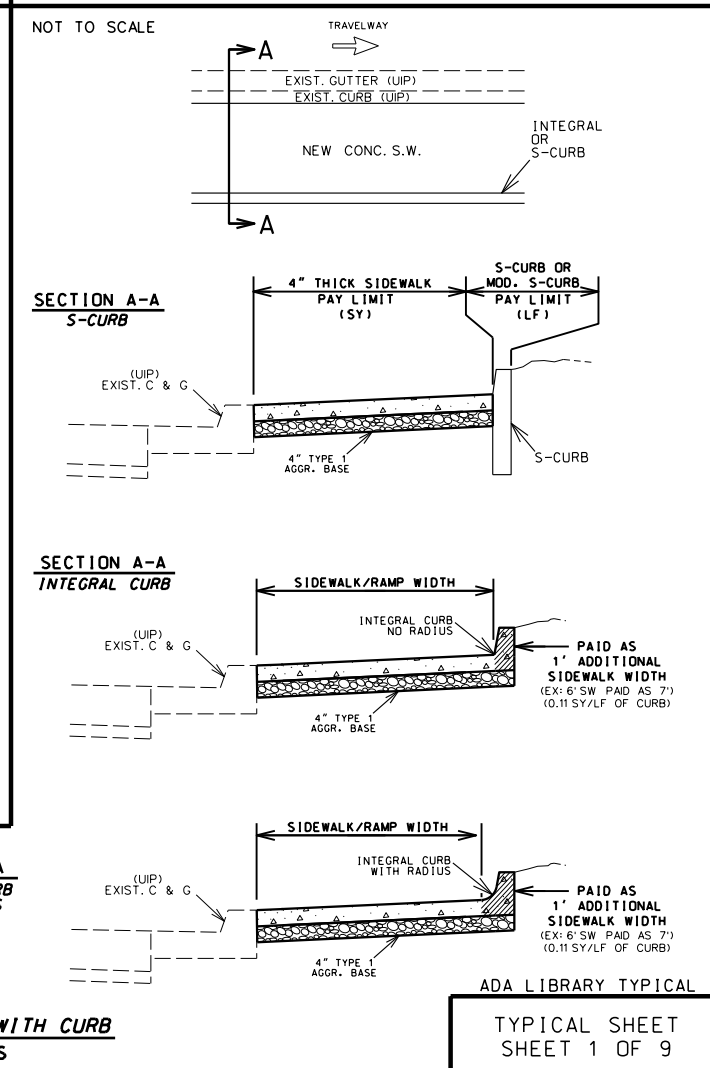
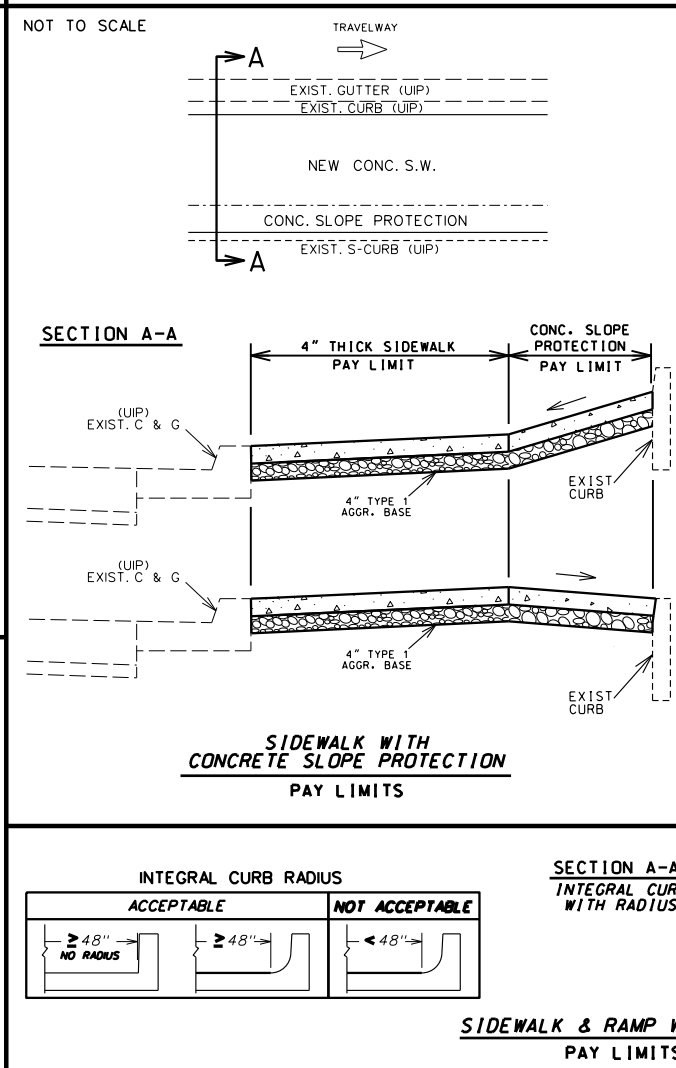
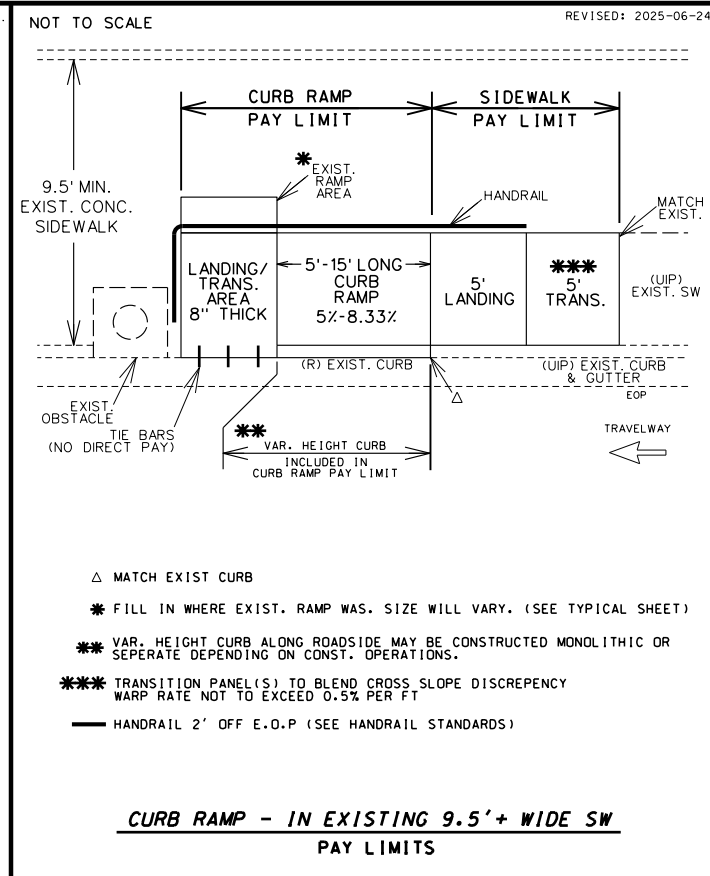
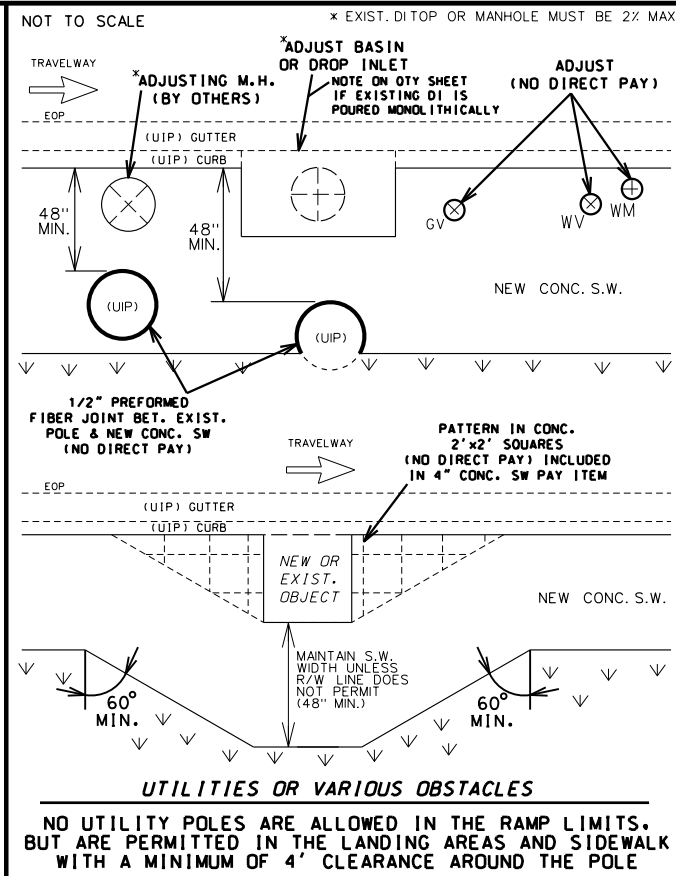
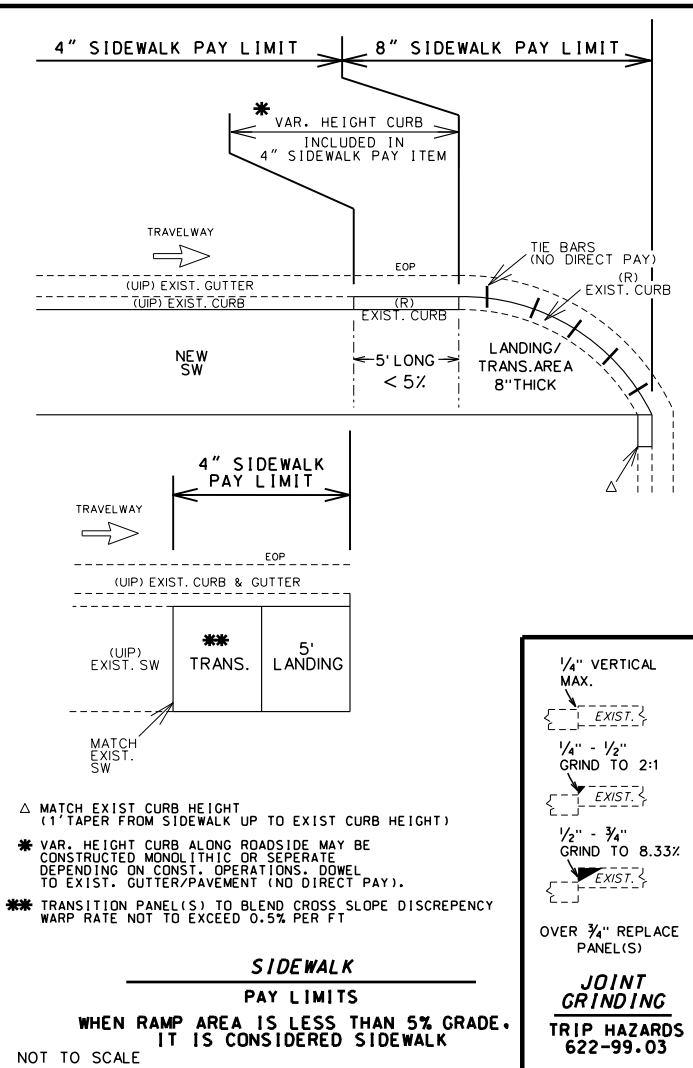
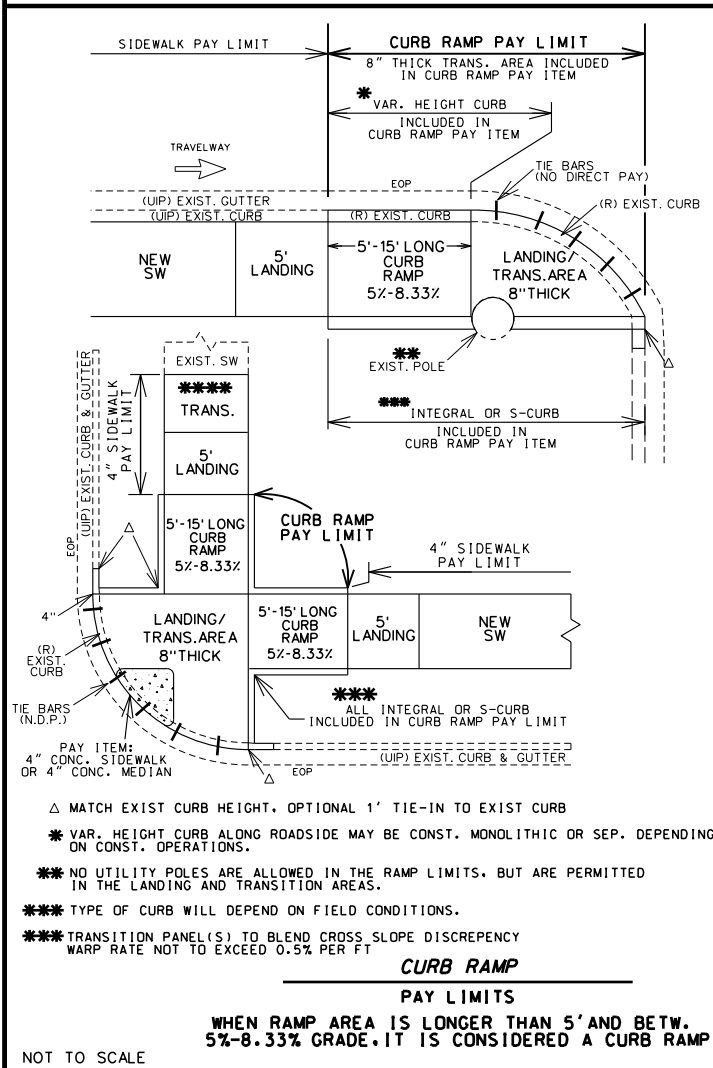
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE ON 4" TYPE 1 AGGREGATE BASE.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.
- CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
SLOPE IN ALL DIRECTIONS = 1% PREFERRED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFERRED (2% MAX.) TOWARD THE STREET. CURB RAMPS ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMPS OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.
14. IF THERE IS NO EXISTING CURB & GUTTER, OFFSET THE EOP 2.5' BEFORE CONSTRUCTING ANY CURBING, RAMP OR SIDEWALK.



STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER PE-28475
PROFESSIONAL ENGINEER

DATE PREPARED 10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 2

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

ModOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PARALLEL - TYPE 2												
TYPE 2-A												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0		-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	9.1	10.6		-	11.8	13.7	-	14.4	16.8	
CONC. SIDEWALK	SY	-	5.6	6.4		-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	14.7	17.0		-	16.7	19.4	-	19.3	22.5	
ADA LINEAR GRADING	LF	-	26.0	26.0		-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	8.0	8.3		-	8.6	8.8	-	9.6	9.8	

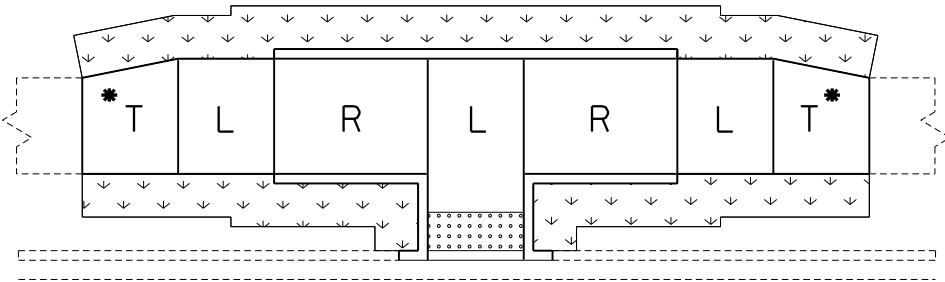
TYPE 2-B											
LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	13.8	14.1	-	15.1	15.5	-	17.1	17.5	

TYPE 2-C												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	16.4	18.7	-	21.7	24.9	-	27.0	31.2		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6		
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0		
SODDING	SY	-	12.3	12.5	-	13.6	13.9	-	15.6	15.9		

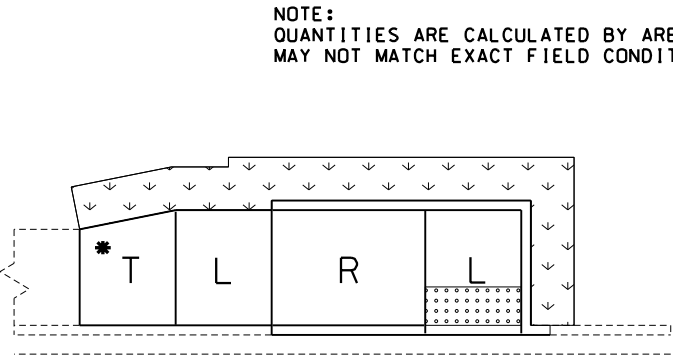
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	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
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TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	16.8	19.2	-	22.2	25.4	-	27.5	31.6		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	28.0	32.0	-	32.0	36.8	-	37.3	43.0		
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0		
SODDING	SY	-	20.2	20.3	-	22.4	23.2	-	26.4	27.2		

TYPE 2-E												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3		
CONC. SIDEWALK	SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0		
TYPE 1 AGGREGATE	SY	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3		
ADA LINEAR GRADING	LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5		
SODDING	SY	-	-	-	-	-	-	-	-	-		
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH	

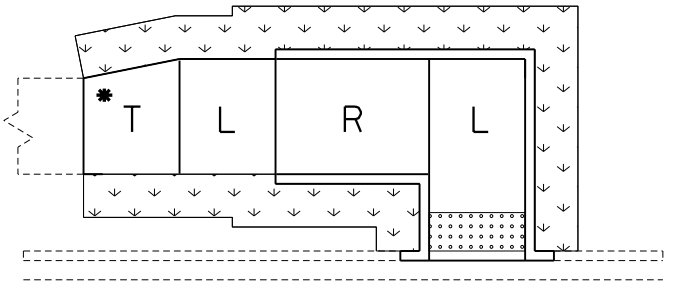
TYPE 2-F												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9		
CONC. SIDEWALK	SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0		
TYPE 1 AGGREGATE	SY	-	26.7	30.5	-	30.4	35.1	-	35.5	40.9		
ADA LINEAR GRADING	LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0		
SODDING	SY	-	-	-	-	-	-	-	-	-		
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH	



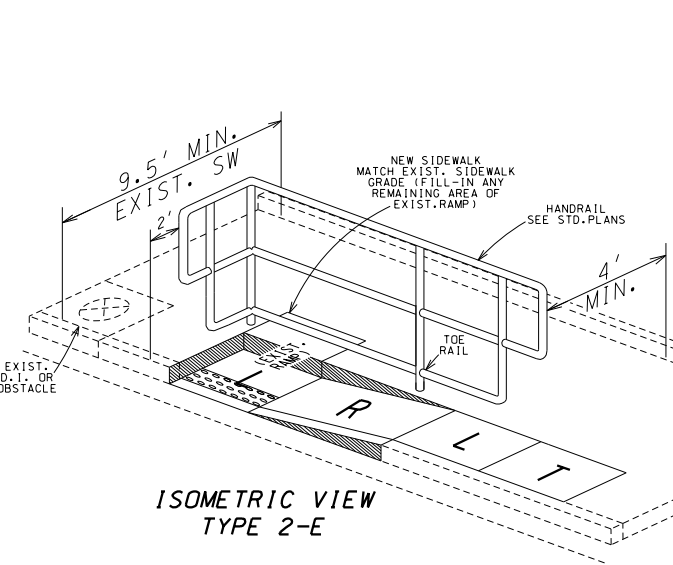
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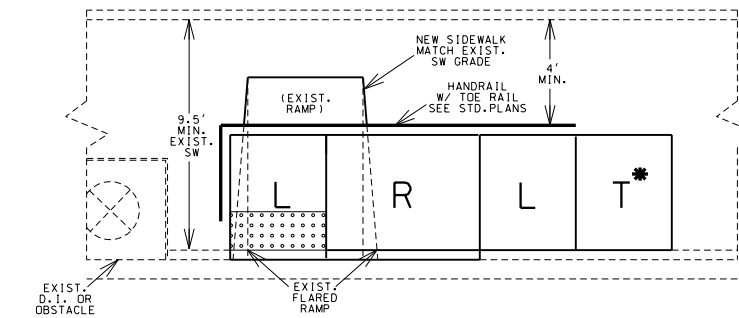
TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-E



TYPE 2-E

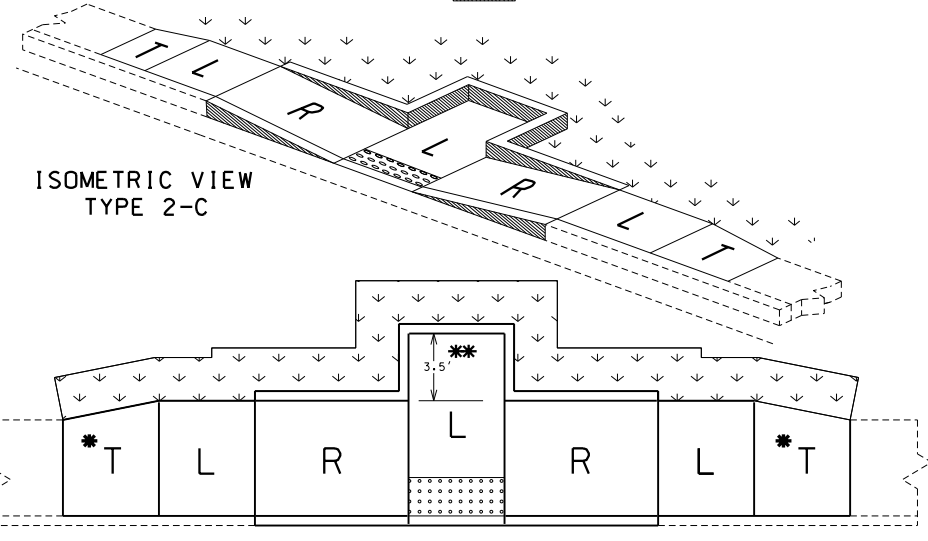
USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE
SEE STANDARDS FOR HANDRAIL SPECS

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND
MAY NOT MATCH EXACT FIELD CONDITIONS.

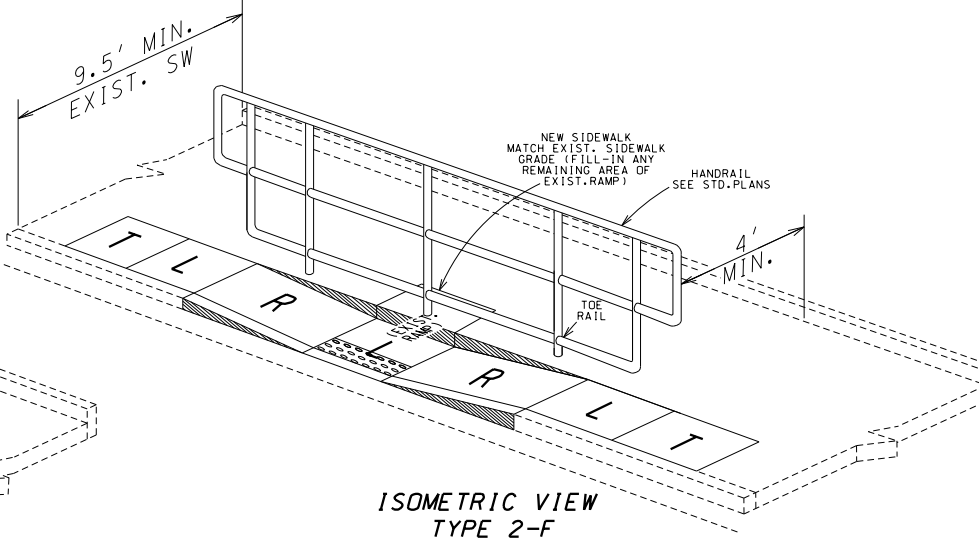
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PUSH BUTTON LOCATIONS

TRUNCATED DOME

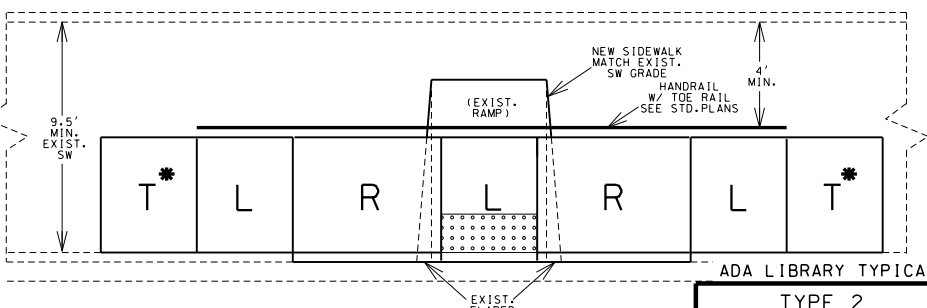
TRUNCATED DOMES ARE USED ONLY
AT STREETS & ENTRANCES UTILIZING
YIELD / STOP SIGNS OR SIGNALS



TYPE 2-C



ISOMETRIC VIEW
TYPE 2-F



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL
TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
3 OF 9

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

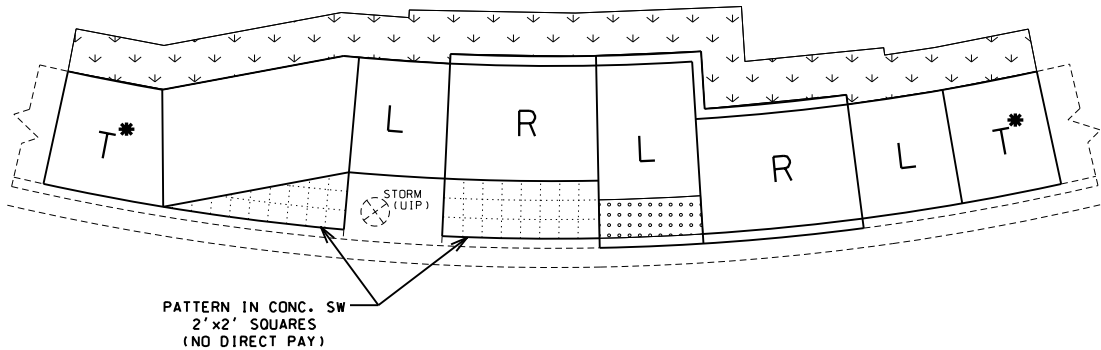
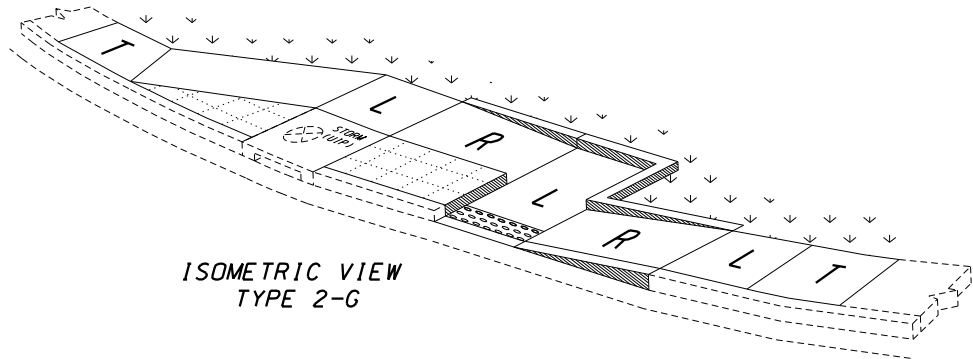
DATE PREPARED
10/13/2025
ROUTE
D
DISTRICT
SW
STATE
MO
SHEET NO.
2
COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
Garver, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

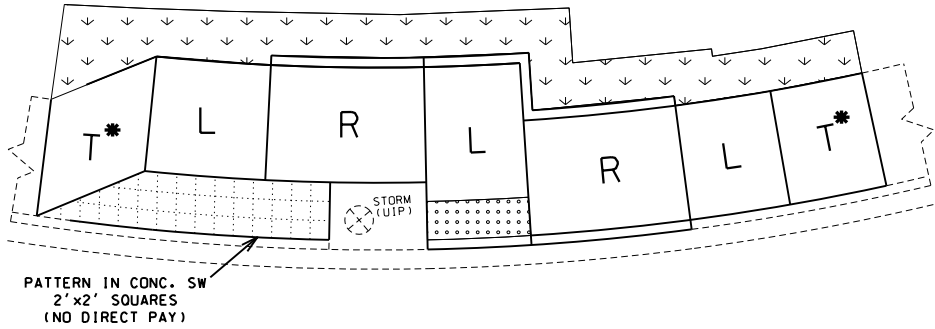
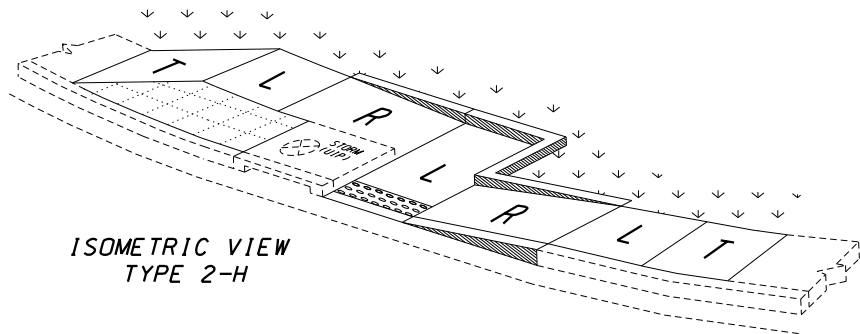
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PARALLEL - TYPE 2 (cont'd.)												
TYPE 2-G												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2		
CONC. SIDEWALK	SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5		
TYPE 1 AGGREGATE	SY	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7		
ADA LINEAR GRADING	LF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0		
SODDING	SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9		

TYPE 2-H												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4		
CONC. SIDEWALK	SY	-	13.2	16.0	-	12.0	14.2	-	12.0	14.4		
TYPE 1 AGGREGATE	SY	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8		
ADA LINEAR GRADING	LF	-	42.0	42.0	-	49.0	49.0	-	55.0	55.0		
SODDING	SY	-	11.1	11.2	-	12.5	12.5	-	14.5	14.9		



TYPE 2-G



TYPE 2-H

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

- T - TRANSITION TO EXISTING SW
L - LANDING
R - RAMP
- ↓ ↓ - SOD SLOPE 6:1 MIN.
- ⬤⬤⬤⬤⬤⬤ - TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'
- TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS
- ▨ - CURB RAMP PAY LIMITS
- ⬤⬤⬤⬤⬤⬤ - INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

NOTE: QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

REVISED: 2025-05-30

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER PE-28475
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 2

COUNTY GREENE
JOB NO. J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

MODOT

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

ADA LIBRARY TYPICAL

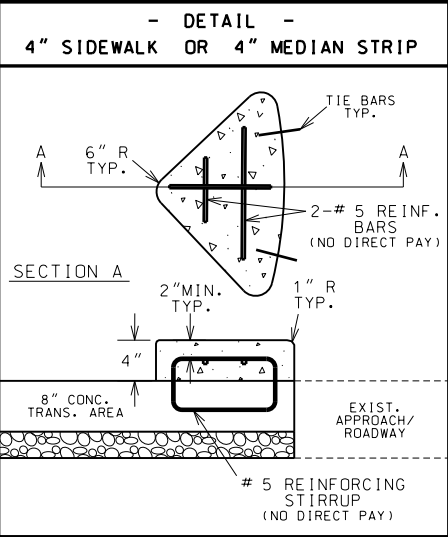
TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
4 OF 9

GARVER

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings_J8S3133 Sunshine\002_TS_04_XX-ADA_TYPE2_PARAL2_J8S3133_i5.dgn 2:03:40 PM 10/13/2025

DIAGONAL - TYPE 3												
TYPE 3-A												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	35.6	39.8	-	36.7	42.6	-	42.0	48.8		
ADA LINEAR GRADING LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	-		
SODDING	SY	-	11.6	11.4	-	12.9	12.9	-	14.9	14.9		
4"SW OR MED STRIP	SY	-	3.0	2.2	-	3.0	2.2	-	3.0	2.2		
TYPE 3-B												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP	SY	-	22.0	26.3	-	25.9	31.2	-	31.2	37.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	33.2	39.1	-	35.7	42.6	-	41.0	48.8		
ADA LINEAR GRADING LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	-		
SODDING	SY	-	15.2	15.3	-	17.1	17.5	-	20.1	20.5		
4"SW OR MED STRIP	SY	-	1.5	1.5	-	1.5	1.5	-	1.5	1.5		
TYPE 3-C												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0		
CURB RAMP	SY	-	20.7	26.8	-	25.1	31.5	-	30.4	37.7		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	31.9	39.6	-	34.9	42.9	-	40.2	49.1		
ADA LINEAR GRADING LF	-	51.0	51.0	-	58.0	58.0	-	67.0	67.0	-		
SODDING	SY	-	18.8	19.3	-	21.3	22.1	-	25.3	26.1		
4"SW OR MED STRIP	SY	-	1.0	1.6	-	1.0	1.6	-	1.0	1.6		
TYPE 3-D												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	24.0	28.0	-	22.4	26.5	-	22.4	26.5		
CURB RAMP	SY	-	15.9	19.1	-	17.7	21.4	-	20.4	24.5		
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7		
TYPE 1 AGGREGATE	SY	-	21.5	25.5	-	22.6	27.1	-	25.3	30.2		
ADA LINEAR GRADING LF	-	31.0	31.0	-	34.0	34.0	-	38.0	38.0	-		
SODDING	SY	-	12.6	12.9	-	13.5	14.0	-	15.5	16.0		
4"SW OR MED STRIP	SY	-	1.0	0.8	-	1.0	0.8	-	1.0	0.8		
TYPE 3-E												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0		
CURB RAMP	SY	-	17.2	19.8	-	17.7	21.4	-	20.4	24.5		
CONC. SIDEWALK	SY	-	8.4	10.7	-	7.3	9.4	-	7.3	9.4		
TYPE 1 AGGREGATE	SY	-	25.6	30.5	-	25.0	30.8	-	27.7	33.9		
ADA LINEAR GRADING LF	-	30.0	30.0	-	35.5	35.5	-	39.5	39.5	-		
SODDING	SY	-	12.4	12.4	-	12.9	13.3	-	14.9	15.3		
4"SW OR MED STRIP	SY	-	1.6	1.6	-	1.6	1.6	-	1.6	1.6		



T' - IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

NOTE: QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERRED IF CONDITIONS ALLOW)

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE WITH THE NEW LANDING XSLOPE)

L - LANDING

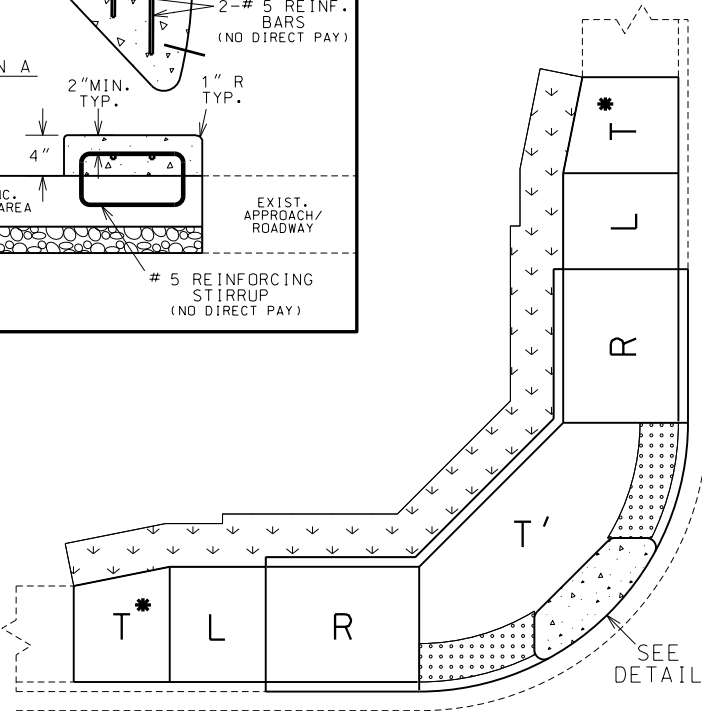
R - RAMP

- CURB RAMP PAY LIMITS

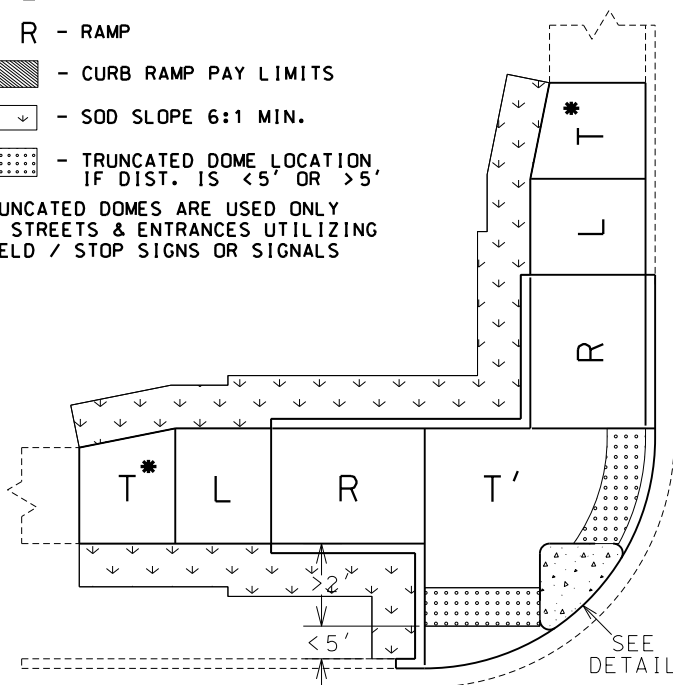
- SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'

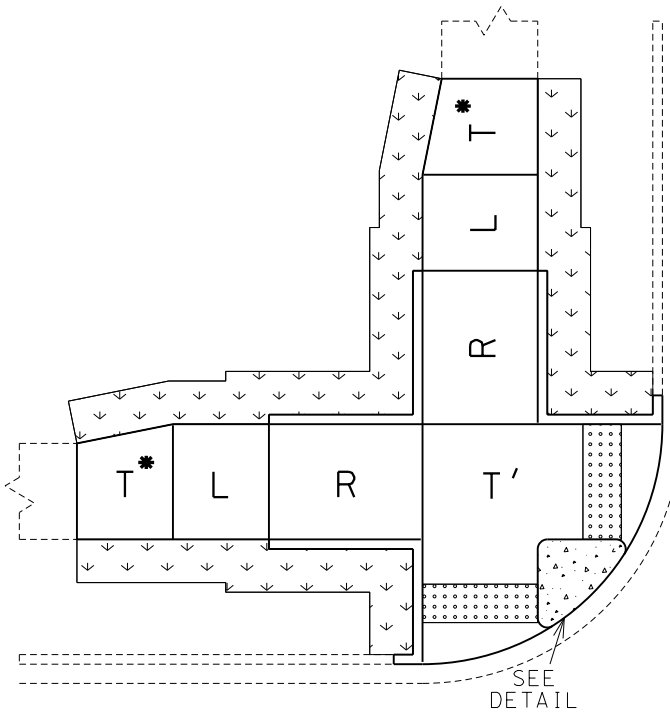
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



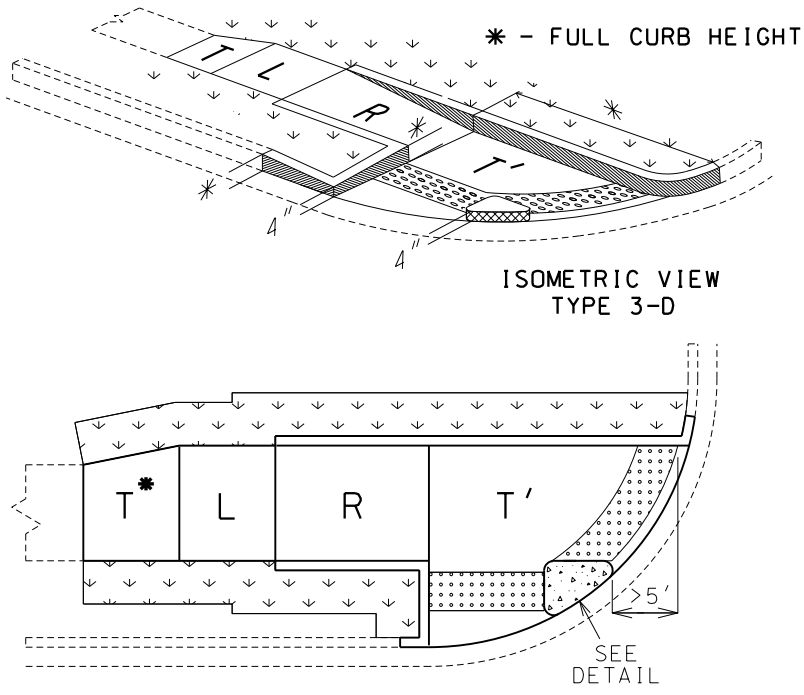
TYPE 3-A



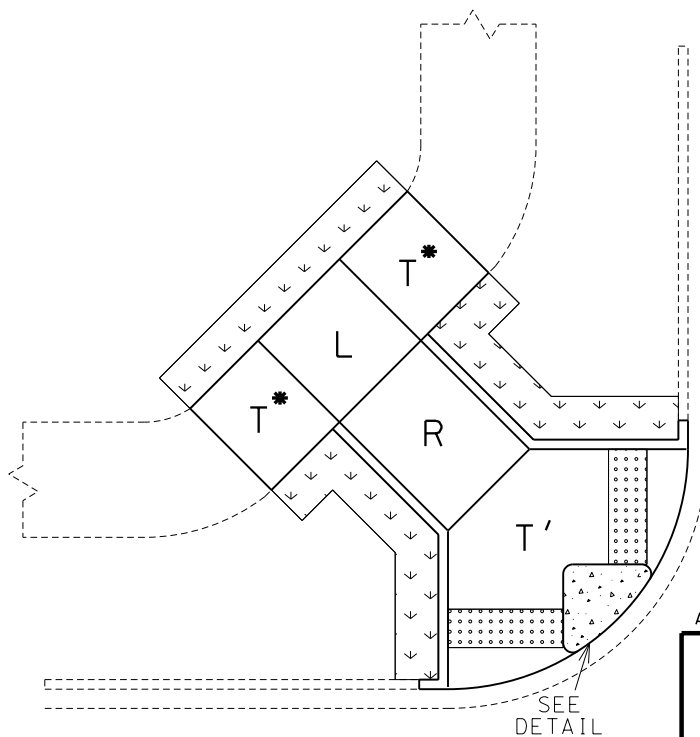
TYPE 3-B



TYPE 3-C



TYPE 3-D

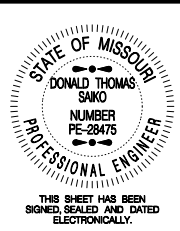


TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL
CURB RAMPS

TYPICAL SHEET
5 OF 9



DATE PREPARED
10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 2

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

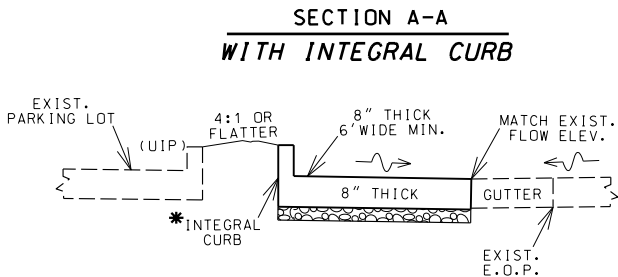
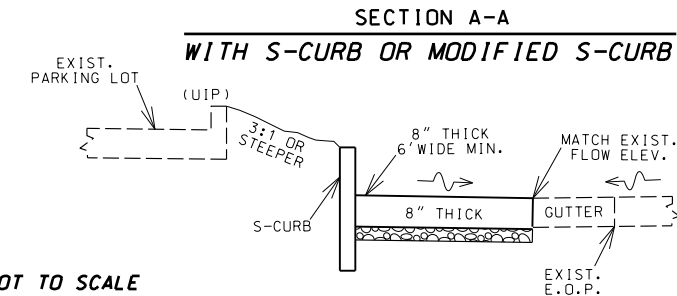
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



NOTES FOR MODIFIED SIDEWALK:

1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK PAID FOR AS 8" SIDEWALK.
6. 6' MINIMUM WIDTH.
7. NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX.)
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

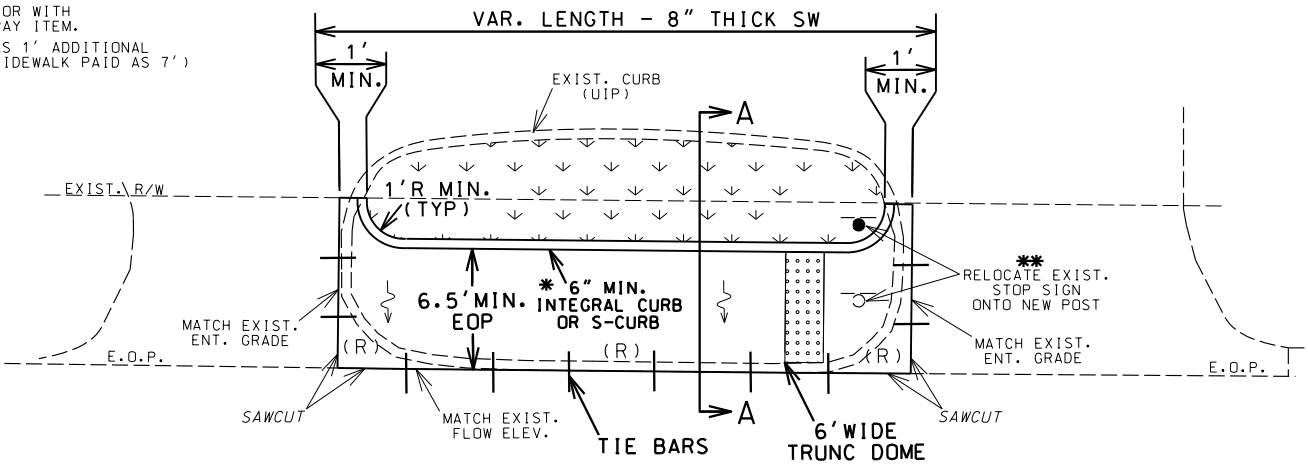
* INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)



NOT TO SCALE

**TYPICAL
MODIFIED SIDEWALK
8" THICK**

** TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.

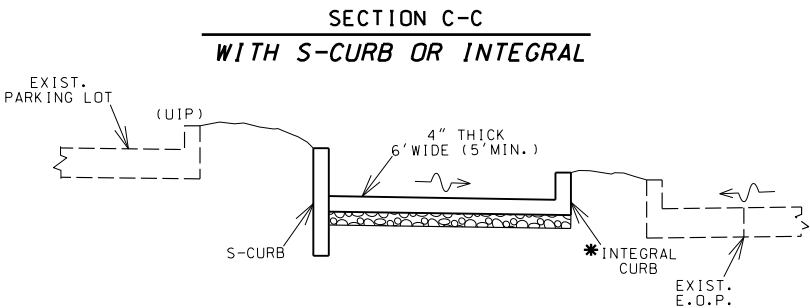
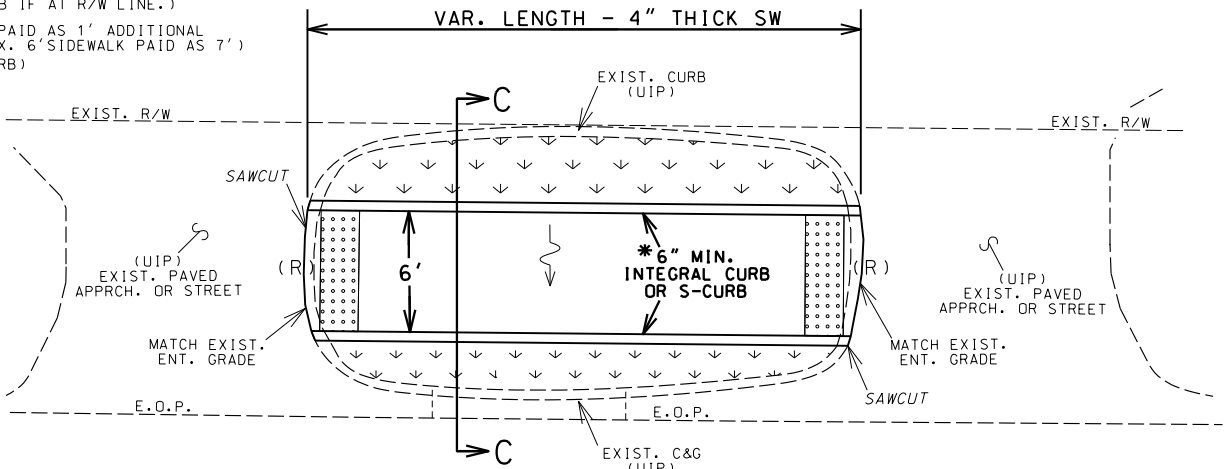


NOTES FOR CUT-THRU SIDEWALK:

1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU SIDEWALK PAID FOR AS 4" SIDEWALK.
6. 6' PREFERRED WIDTH (5' MIN.)
7. SAW CUTS (NO DIRECT PAY).
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

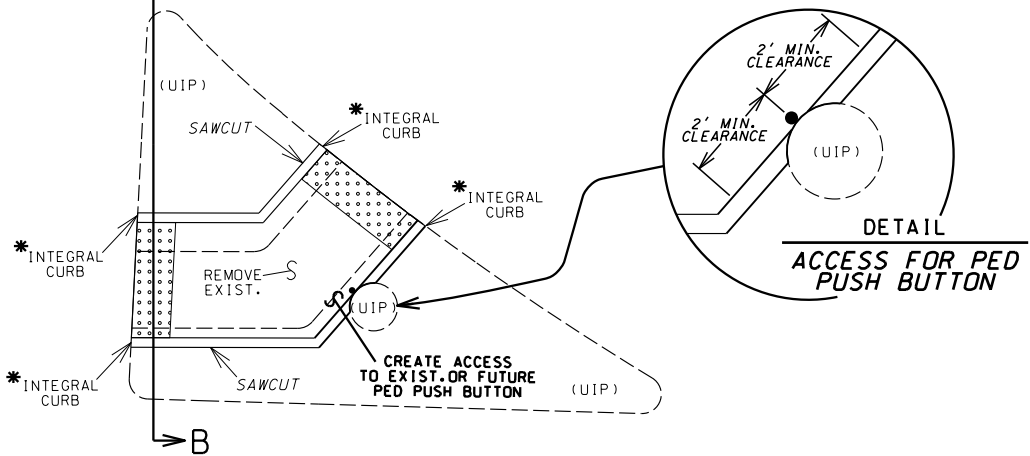
* INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM. (ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)

**TYPICAL
CUT-THRU SIDEWALK**



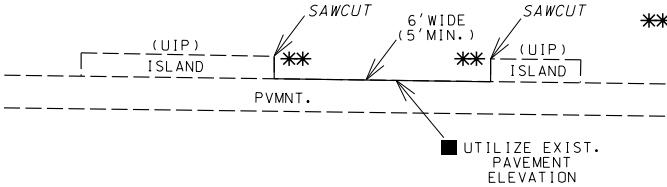
NOT TO SCALE

**TYPICAL
ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN**



NOT TO SCALE

**SECTION B-B
ISLAND CUT-THRU SIDEWALK
FOR EXISTING 'PINNED-ON' ISLAND**

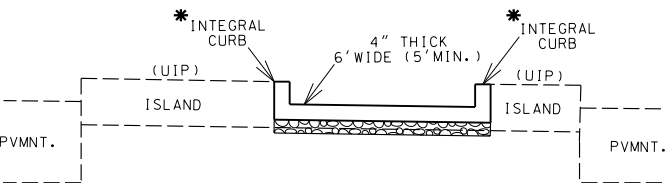


■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF NOT WARRANT)

** NO INTEGRAL CURB, AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

* INTEGRAL CURB IS PAID FOR WITH THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)

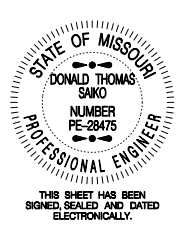
**SECTION B-B
ISLAND CUT-THRU SIDEWALK**



ADA LIBRARY TYPICAL

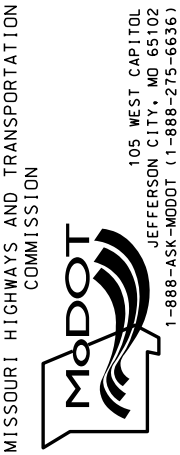
MODIFIED SIDEWALK
AND
SIDEWALK CUT-THRUS

TYPICAL SHEET
6 OF 9



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ROUTE D	STATE MO
DISTRICT SW	SHEET NO 2

JOB NO.
J8S3133

PROJECT NO.

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2 PM 10/13/202

1. PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.

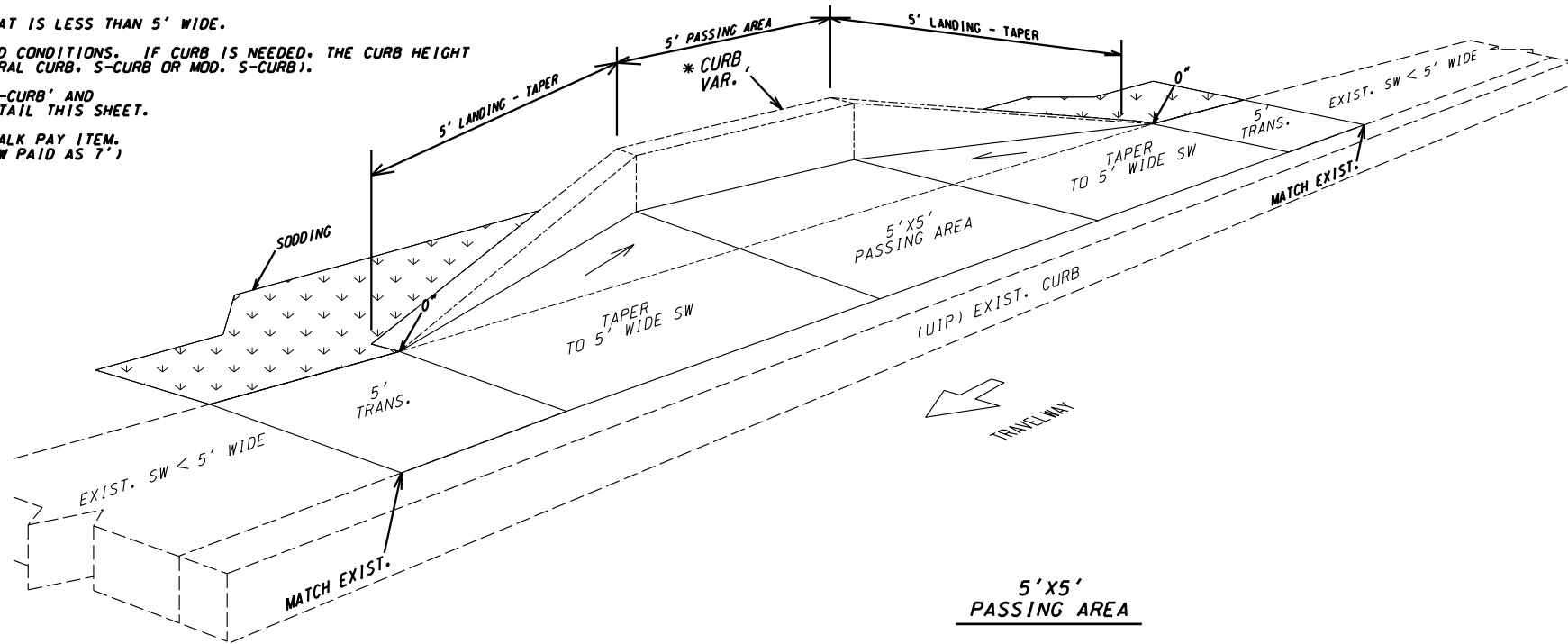
* 2. CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.

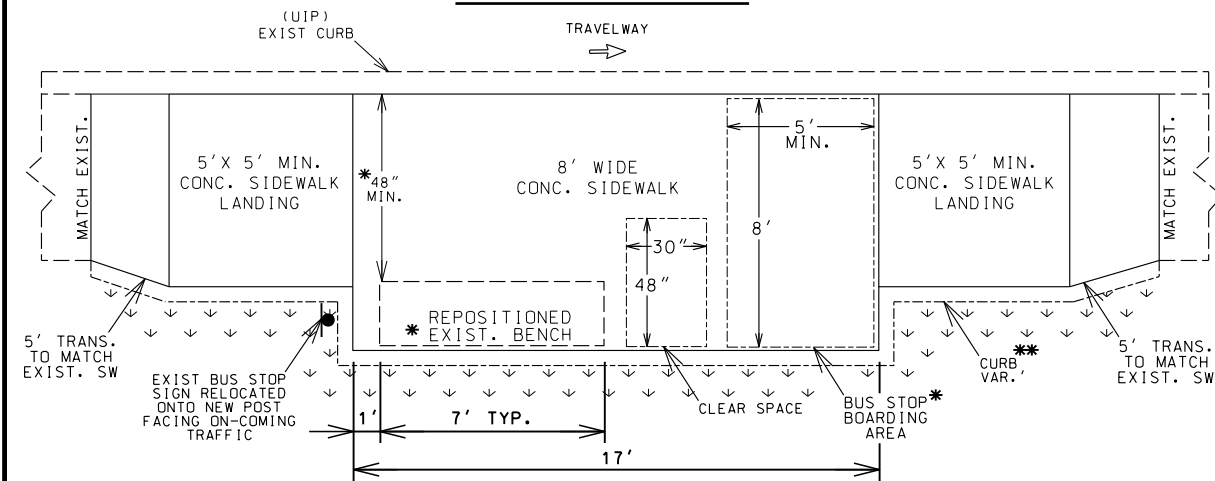
** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7') (0.11 SY/LF OF CURB)



The diagram shows a cross-section of a sidewalk. A horizontal line represents the top of the sidewalk. Below this line, on the left side, is a rectangular area representing the curb, labeled '4" CONC.'. To the right of the curb is a larger rectangular area representing the sidewalk, labeled 'SIDEWALK'. A dimension line with arrows at both ends spans the width of the sidewalk area, labeled '5' WIDE'. The curb is shown as a vertical line on the left edge of the sidewalk area.

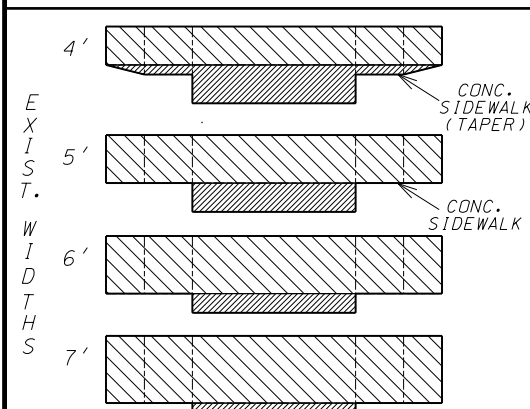
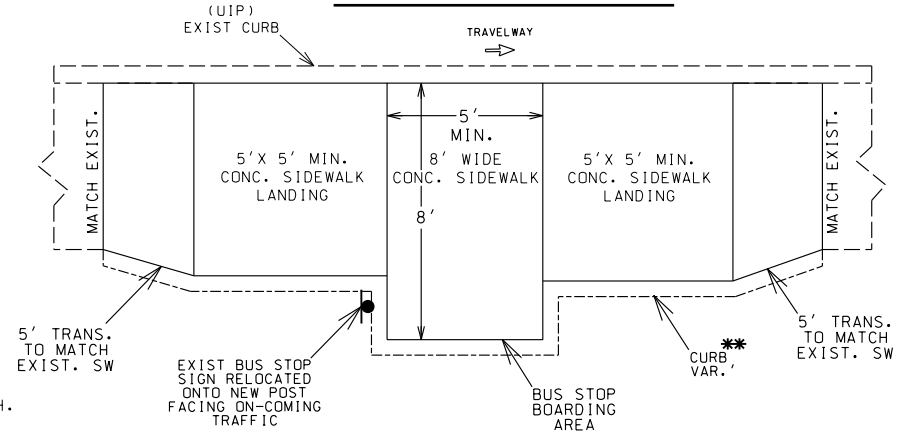


BUS STOP WITH BENCH



- * 1. THE REPOSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.
- ** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).
- 3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
- *** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6'SW PAID AS 7') (0.11 SY/LF OF CURB)

BUS STOP WITHOUT BENCH



QUANTITIES FOR BUS STOPS WITH BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	9.3	5.8	3.9	1.9
TYPE 1 AGGREGATE	SY	9.3	5.8	3.9	1.9
4" CONC. SIDEWALK	SY	16.5	20.4	24.3	28.2
TYPE 1 AGGREGATE	SY	16.5	20.4	24.3	28.2
INTEGRAL CURB ***	SY	5.4	3.4	3.2	2.9
TYPE 1 AGGREGATE	SY	2.7	1.7	1.6	1.5
S-CURB	LF	43.5	27.0	25.0	23.0
MODIFIED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

Diagram illustrating the cross-sections of a sidewalk and curb for different widths:

- 4' width: Shows a sidewalk with a central curb. The sidewalk is labeled "CONC. SIDEWALK (TAPER)" and the curb is labeled "CONC. SIDEWALK".
- 5' width: Similar to the 4' width, showing a sidewalk with a central curb.
- 6' width: Similar to the 4' width, showing a sidewalk with a central curb.
- 7' width: Similar to the 4' width, showing a sidewalk with a central curb.

QUANTITIES FOR BUS STOPS - NO BENCH					
EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	3.9	1.8	1.3	0.7
TYPE 1 AGGREGATE	SY	3.9	1.8	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	12.9	15.5	18.0
TYPE 1 AGGREGATE	SY	10.4	12.9	15.5	18.0
INTEGRAL CURB ***	SY	3.8	2.0	1.8	1.6
TYPE 1 AGGREGATE	SY	1.9	1.0	0.9	0.8
S-CURB	LF	31.0	15.0	13.0	11.0
MODIFIED S-CURB	LF	31.0	15.0	13.0	11.0
SODDING	SY	7.6	7.4	6.8	6.4
LINEAR GRADING	LF	25.0	25.0	25.0	25.0

PASSING AREAS AND BUS STOPS

TYPICAL SHEET
7 OF 9

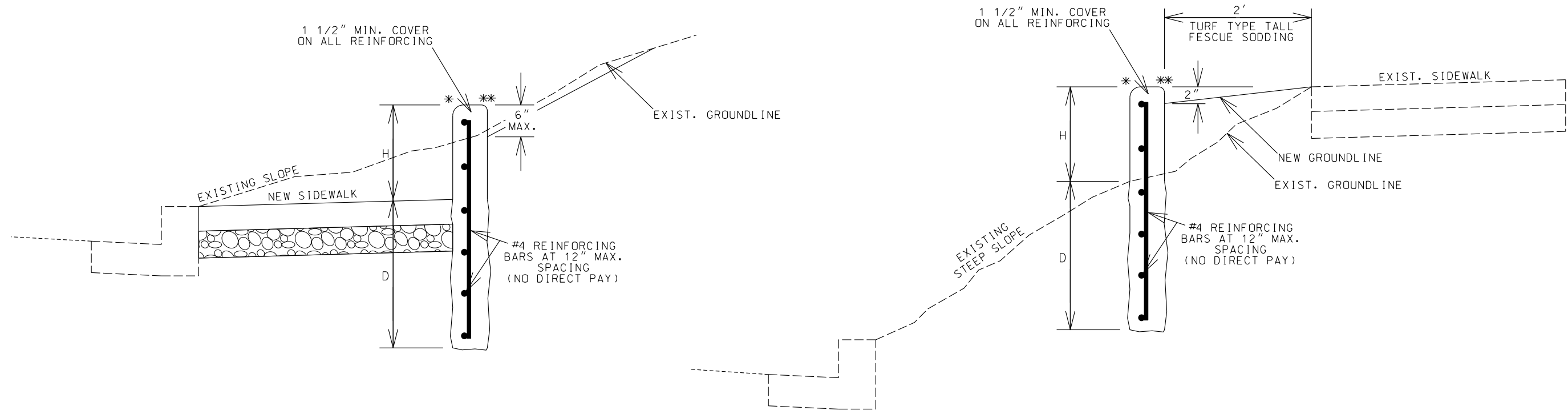
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

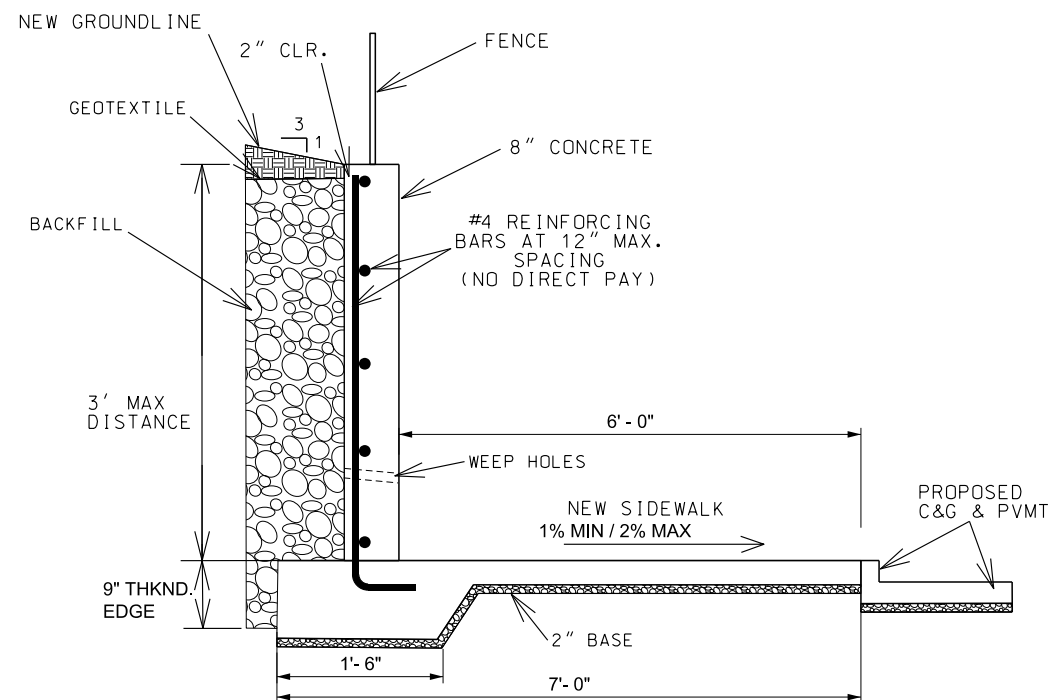
* ROUND TO 3/4" RADIUS
** ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

MODIFIED S-CURB
> 12" TALL (2'-6" MAX.)



NOT TO SCALE

MODIFIED S-CURB
> 12" TALL (3'-0" MAX.)
POURED CONCRETE SIDEWALK WALL

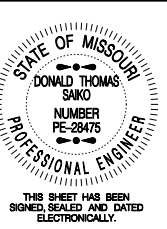


NOT TO SCALE

ADA LIBRARY TYPICAL

MODIFIED S-CURB

TYPICAL SHEET
8 OF 9



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

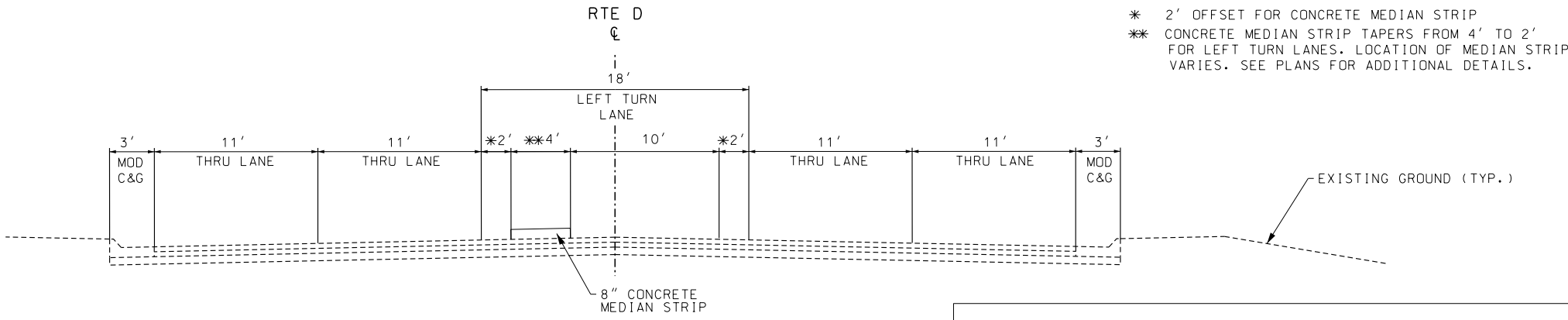
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



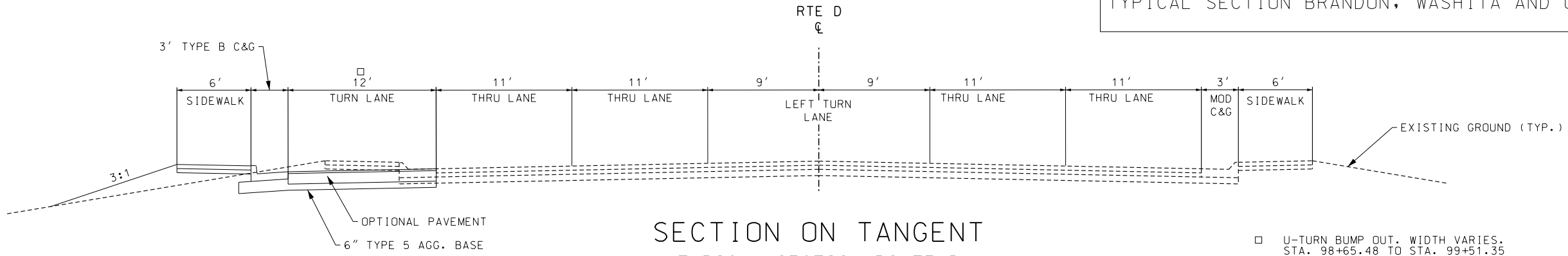
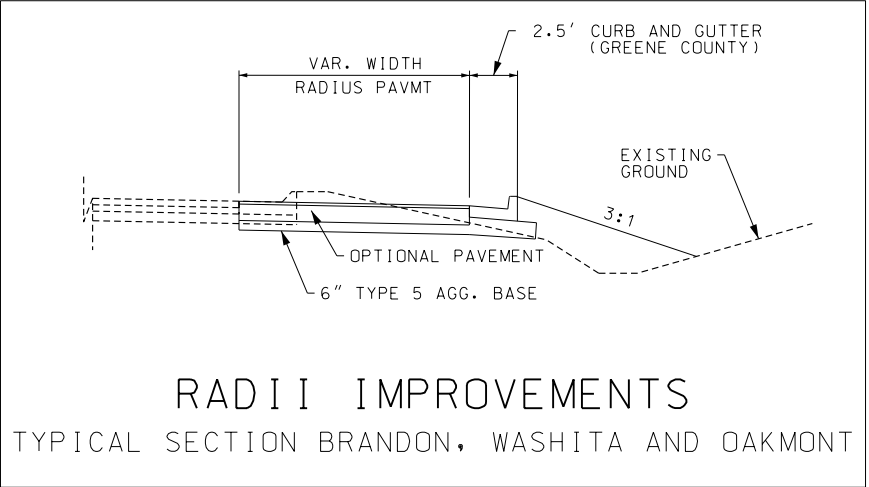
OPTIONAL PAVEMENT	
RTE D (SUNSHINE ST)	
1.75"	SP095C PG70-22
10.25"	SP250C PG64-22
OR	
8.5" NON-REINFORCED PCC PAVEMENT	
RADIi IMPROVEMENTS (BRANDON, WASHITA, OAKMONT)	
1.75"	SP095C PG70-22
8.25"	SP250C PG64-22
OR	
8.5" NON-REINFORCED PCC PAVEMENT	

APPLICATION RATES	
(FOR INFORMATION PURPOSES ONLY)	
SP095C (PG70-22)	- 1.980 TON/CY @ 5.4%
SP250C (PG64-22)	- 2.010 TON/CY @ 4.5%
BP-1 (PG64-22)	- 1.985 TON/CY @ 5.2%



SECTION ON TANGENT

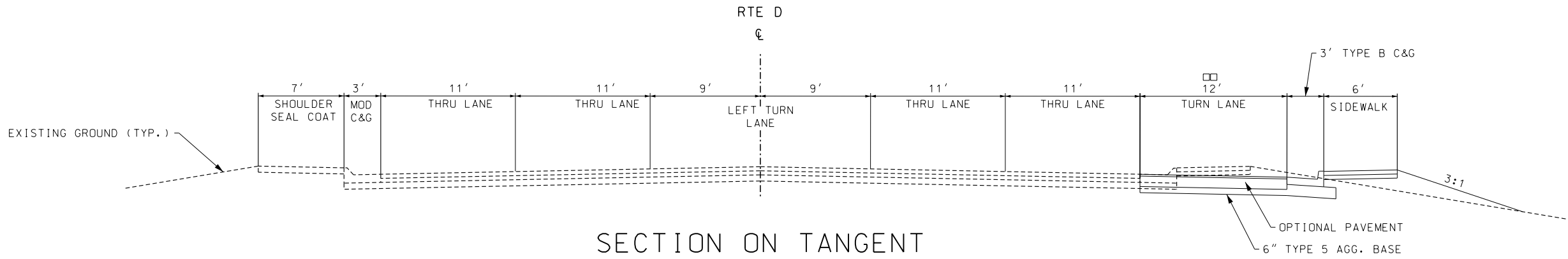
TYPICAL SECTION ROUTE D	
STA. 27+19.00	TO STA. 31+32.00
STA. 33+62.00	TO STA. 35+86.00
STA. 37+19.00	TO STA. 43+74.00
STA. 66+53.00	TO STA. 71+25.00
STA. 72+29.00	TO STA. 74+82.00
STA. 92+15.00	TO STA. 99+06.50
STA. 100+22.00	TO STA. 103+52.00
STA. 117+39.00	TO STA. 119+24.00
STA. 121+86.00	TO STA. 127+36.00
STA. 127+74.00	TO STA. 130+56.00



SECTION ON TANGENT

TYPICAL SECTION ROUTE D	
STA. 32+64.48	TO STA. 34+98.67
STA. 98+65.48	TO STA. 99+51.35
STA. 129+14.74	TO STA. 131+11.40

- U-TURN BUMP OUT. WIDTH VARIES. STA. 98+65.48 TO STA. 99+51.35. STA. 129+14.74 TO STA. 131+11.40
- U-TURN BUMP OUT. WIDTH VARIES. STA. 91+60.44 TO STA. 93+16.28. TRANS. 0' TO 12'. STA. 96+12.44 TO STA. 96+72.95



SECTION ON TANGENT

TYPICAL SECTION ROUTE D	
STA. 91+60.44	TO STA. 93+16.28
STA. 96+12.44	TO STA. 99+38.42

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
2

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Garver, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

MoDOT

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

Garver

Garver, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
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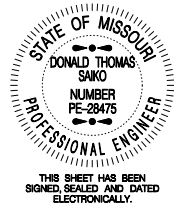
\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\002_TS_09_CORRIDOR_J8S3133_i5.dgn 2:03:43 PM 10/13/2025

	REMOVAL OF IMPROVEMENTS						
SHEET	STA	STA	LOCATION	DESCRIPTION	UNIT	AMOUNT	REMARKS
5	32+06.46	-	LT	SIGNAL CABINET	EA	1	NW QUAD ENTERPRISE
5	32+12.06	-	LT	ITS CABINET	EA	1	NW QUAD ENTERPRISE
5	32+01.62	-	LT	SIGNAL POLE	EA	1	NW QUAD ENTERPRISE
5	32+15.17	-	LT	SIGNAL PULL BOX	EA	2	NW QUAD ENTERPRISE
5	32+16.26	-	LT	POWER POLE	EA	1	NW QUAD ENTERPRISE
5	31+94.22	-	RT	POWER POLE	EA	1	SW QUAD ENTERPRISE
5	32+03.69	-	RT	PARTIAL REMOVAL OF LANDSCAPE	EA	1	SW QUAD ENTERPRISE
5	32+04.16	-	RT	PULL BOX	EA	1	SW QUAD ENTERPRISE
5	32+13.42	-	RT	SIGNAL POLE	EA	1	SW QUAD ENTERPRISE
5	32+14.28	-	RT	POWER POLE	EA	1	SW QUAD ENTERPRISE
5	32+72.48	-	LT	SIGNAL POLE	EA	1	NE QUAD ENTERPRISE
5	32+82.39	-	LT	SIGNAL PULL BOX	EA	1	NE QUAD ENTERPRISE
5	32+85.45	-	RT	SIGNAL POLE	EA	1	SE QUAD ENTERPRISE
5	32+76.21	-	RT	SIGNAL PULL BOX	EA	1	SE QUAD ENTERPRISE
5	32+67.10	34+97.92	LT	CURB AND GUTTER	LF	235	NEW TURN LANE
5	33+50.61	-	LT	DROP INLET	EA	1	NEW TURN LANE
5	32+70.83	33+49.66	LT	15" EXISTING CULVERT	EA	1	PLUG EAST SIDE OF MANHOLE (STA. 32+70.38 LT)
5	33+71.58	-	LT	TELEPHONE RISER	EA	1	NEW TURN LANE
5	34+61.00	-	LT	PULL BOX	EA	1	NEW TURN LANE
5	34+71.01	-	LT	LIGHT POLE	EA	1	NEW TURN LANE
5	34+81.76	-	LT	YIELD SIGN	EA	1	NEW TURN LANE
5	34+88.13	-	LT	LIGHT POLE	EA	1	NEW TURN LANE
5	34+91.06	-	LT	PULL BOX	EA	1	NEW TURN LANE
9	72+91.03	73+06.40	RT	ASPHALT PAVED APPROACH	SY	11	PARCEL 3A
10	91+60.47	93+15.35	RT	CURB AND GUTTER	LF	156	MAYFAIR U-TURN
10	92+08.25	-	RT	LIGHT POLE	EA	1	ARVEST BANK
10	92+08.38	-	RT	LIGHT POLE	EA	1	MAYFAIR U-TURN
10	93+00.17	-	RT	PULL BOX	EA	1	MAYFAIR U-TURN
10	93+54.43	-	RT	STOP SIGN	EA	1	EAST QUAD MAYFAIR
10	93+56.11	-	RT	PULL BOX	EA	1	EAST QUAD MAYFAIR
10	93+53.22	93+80.45	RT	SIDEWALK	SY	12	EAST QUAD MAYFAIR
11	98+55.01	99+51.35	LT	CURB AND GUTTER	LF	96	NW QUAD DEESWOOD
11	99+00.93	-	LT	ELECTRIC PEDESTAL	EA	1	NW QUAD DEESWOOD
11	99+02.93	-	LT	WATER METER	EA	1	NW QUAD DEESWOOD
11	99+14.35	-	LT	POWER POLE	EA	1	NW QUAD DEESWOOD
11	99+04.85	99+11.02	LT	DROP INLET	EA	1	NW QUAD DEESWOOD
11	99+20.20	99+37.51	LT	GRATE INLET	EA	2	NW QUAD DEESWOOD
11	99+22.83	-	LT	SIGNAL PULL BOX	EA	1	NW QUAD DEESWOOD
11	99+44.20	-	LT	SIGNAL POST	EA	1	NW QUAD DEESWOOD
11	96+12.44	99+38.42	RT	CURB AND GUTTER	LF	325	SW QUAD INGRAM MILL
11	96+61.64	-	RT	POWER POLE	EA	1	SW QUAD INGRAM MILL
11	96+97.00	97+68.51	RT	CONCRETE ISLAND	SY	75	SW QUAD INGRAM MILL
11	97+15.85	97+45.23	RT	CONCRETE ISLAND	SY	10	SW QUAD INGRAM MILL
11	97+28.00	97+30.62	RT	GRATE INLET	EA	1	SW QUAD INGRAM MILL
11	98+21.24	-	RT	LIGHT POLE	EA	1	SW QUAD INGRAM MILL
11	98+50.37	-	RT	SIGN	EA	1	SW QUAD INGRAM MILL
11	98+64.67	-	RT	SIGN	EA	1	SW QUAD INGRAM MILL
11	98+49.58	-	RT	PULL BOX	EA	1	SW QUAD INGRAM MILL
11	98+58.97	-	RT	PULL BOX	EA	1	SW QUAD INGRAM MILL
11	99+07.44	-	RT	PULL BOX	EA	1	SW QUAD INGRAM MILL
11	99+08.77	-	RT	POWER POLE	EA	1	SW QUAD INGRAM MILL
11	99+11.57	-	RT	PULL BOX	EA	1	SW QUAD INGRAM MILL
11	99+08.16	99+10.71	RT	COMBINATION INLET	EA	1	SW QUAD INGRAM MILL
11	99+08.00	-	RT	ELECTRIC RISER	EA	1	SW QUAD INGRAM MILL
11	99+15.52	-	RT	SIGNAL POLE	EA	1	SW QUAD INGRAM MILL
11	99+16.94	-	RT	PULL BOX	EA	1	SW QUAD INGRAM MILL
11	99+21.27	-	RT	SIGNAL CABINET	EA	1	SW QUAD INGRAM MILL
11	99+21.42	-	RT	ITS CABINET	EA	1	SW QUAD INGRAM MILL
11	99+87.46	100+19.69	LT	CURB AND GUTTER	LF	59	NE QUAD DEESWOOD
11	99+89.64	-	LT	CURB INLET	EA	1	NE QUAD DEESWOOD
11	99+99.12	-	RT	PULL BOX	EA	1	SE QUAD INGRAM MILL
11	100+58.39	100+70.34	LT	CURB AND GUTTER	LF	19	DWY REMOVAL
15	127+93.53	-	RT	STOP SIGN	EA	1	EAST QUAD WALMART ENTRANCE
16	129+14.74	131+25.00	LT	CURB AND GUTTER	LF	210	BLACKMAN U-TURN
16	129+20.54	-	LT	LIGHT POLE	EA	1	BLACKMAN U-TURN
16	129+49.17	-	LT	POWER POLE	EA	1	BLACKMAN U-TURN
16	129+56.17	-	LT	TELEPHONE RISER	EA	1	BLACKMAN U-TURN
16	129+72.50	-	LT	GUY WIRE	EA	1	BLACKMAN U-TURN
16	130+41.41	130+64.63	LT	TREES	EA	3	BLACKMAN U-TURN
16	130+68.36	-	LT	PULL BOX	EA	1	BLACKMAN U-TURN
17	144+42.79	144+60.11	RT	CONCRETE PAVED DITCH	SY	28	BRANDON AVE WEST PAVED DITCH
17	144+71.68	144+79.02	RT	CURB AND GUTTER	LF	53	BRANDON AVE
17	144+74.51	-	RT	LIGHT POLE	EA	1	BRANDON AVE
18	148+10.07	148+19.66	RT	CURB AND GUTTER	LF	54	OAKMONT AVE
19	151+83.39	151+86.16	RT	CURB AND GUTTER	LF	48	WASHITA ST
19	151+79.20	-	RT	NO SOLICITATION SIGN	EA	1	REMOVE AND REPLACE. SEE JSP
				TOTAL	LUMP SUM		

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING
2 EA



DATE PREPARED
4/2/2026

ROUTE D STATE MO
DISTRICT SW SHEET NO. 3

COUNTY GREENE
JOB NO. J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE					

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SUMMARY OF QUANTITIES
SHEET 1 OF 5

DRAINAGE – PRECAST DROP INLETS AND MANHOLES										
SHEET	STA.	LOC.	STRUCTURE NO	MANHOLE FRAME AND COVER TYPE 3 (EA)	MANHOLE FRAME AND COVER TYPE 4 (EA)	48” PRECAST CONCRETE MANHOLE (LF)	60” PRECAST CONCRETE MANHOLE (LF)	PRECAST DROP INLET TYPE T (2.5’x3’) (LF)	PRECAST DROP INLET TYPE T (5’x3’) (LF)	REMARKS
5	33+10.00	LT	A1	1					3	
11	97+30.00	RT	B1	1					4	
11	97+30.00	RT	B2		1	6				REMOVE AND REPLACE EXIST. STRUCTURE
11	98+82.00	RT	C1	1					4	
11	99+09.00	RT	C2		1		6			REMOVE AND REPLACE EXIST. STRUCTURE
11	98+62.00	LT	D1	1					4	
11	99+08.69	LT	D2		1	4				REMOVE AND REPLACE EXIST. STRUCTURE
11	98+62.00	LT	E1	1				12		
11	99+34.04	LT	E2		1	5				REMOVE AND REPLACE EXIST. STRUCTURE
11	99+43.00	LT	E3	1					4	
11	99+89.48	LT	F1	1				12		
			TOTAL	7	4	15	6	24	19	

NOTE: NEW AND ADJUSTED DROP INLET LIDS SHALL MEET ADA COMPLIANT CROSS SLOPE WITHIN SIDEWALK LIMITS

DRAINAGE – CULVERTS											
SHEET	STA.	STA.	LOC.	12” GROUP A PIPE (LF)	15” GROUP A PIPE (LF)	12” GROUP B PIPE (LF)	30” GROUP B PIPE (LF)	30” GROUP B FES (EA)	PIPE COLLAR TYPE A (EA)	CLASS 3 EXC. (CY)	REMARKS
5	32+71.00	33+10.00	LT		38					33.2	INLET A1 TO EXIST.
11	97+30.00	97+30.00	RT		11					25.7	INLET B1 TO B2
11	98+82.00	99+09.00	RT		31					43.6	INLET C1 TO C2
11	98+62.00	99+08.69	LT	44						34.5	INLET D1 TO D2
11	98+62.00	99+34.04	LT		68					60.7	INLET E1 TO E2
11	99+43.00	99+34.04	LT		18					17.7	INLET E3 TO E2
11	99+89.48	9+98.65	LT			3		1		10.0	INLET F1 TO EXIST.
17	144+43.00	144+59.00	RT				10	1	1	10.8	BRANDON AVE PIPE EXTENSION
			TOTAL	44	166	3	10	1	2	237	

PAVED APPROACHES							
SHEET NO.	STA	LT/RT	MODIFIED PAVED APPR. (SY)	TYPE 5 AGG. FOR BASE (4”) (SY)	BP-1 (PG64-22) (5.75”) (TON)	ADA LINEAR GRADING LF	REMARKS
5	31+23.19	RT	30.5	46.2	5	13.4	
5	33+24.09	RT	16.3	21.6	2	12.3	
9	72+78.93	RT	36.4	61.6	8	28.6	
11	97+09.83	RT	20.7	20.7	–	8.7	
11	97+49.25	RT	19.4	19.4	–	8.5	
15-16	128+94.89	LT	17.1	17.1	–	21.0	
TOTAL			140.4	187	15	92.5	
USE			140.4	187	15	SEE SHEET 4	

STEEL PLATE						
SHEET	STA.	STA.	LOC.	STEEL PLATE (SF)	MOD. TYPE A GUTTER (LF)	REMARKS
11	100+21	100+23	36’ – 41’ LT	12	14	NE QUAD DEESWOOD
11	100+56	100+58	36’ – 41’ LT	12	14	NE QUAD DEESWOOD
			TOTAL	24	28	
			USE	24	28	

TEMPORARY EROSION CONTROL*							
PLAN SHEET	ROADWAY	LOC	CROSS STREET	SILT FENCE L.F.	CURB INLET CHECK L.F.	SEDIMENT REMOVAL C.Y	REMARKS
5	ROUTE D	LT & RT	S. ENTERPRISE	480	3	8.4	
9	ROUTE D	LT & RT	S. WOODWARD	140	2	3.8	EAST OF S. WOODWARD
10	ROUTE D	RT	S. MAYFAIR	190		1.9	
11	ROUTE D	RT	S. INGRAM MILL	45	4	5.3	
11	ROUTE D	LT	S. DEESWOOD	40	2	2.8	
15-16	ROUTE D	LT & RT	S. BLACKMAN	420	3	7.8	WEST OF S. BLACKMAN
TOTAL				1315	14	30	
USE				1315	14	30	

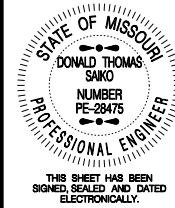
* QUANTITIES PROVIDED BY EFK MOEN

SEEDING AND MULCHING						
SHEET	ROADWAY	BEGIN STA.	END STA.	LOCATION	COOL SEASON SEEDING AND MULCHING (AC)	REMARKS
16	RTE D	129+14.75	131+25.00	LT	0.05	BLACKMAN U-TURN LANE
TOTAL					LUMP SUM	

NOTE: SEEDING ACRES FOR INFORMATION PURPOSES ONLY

EARTHWORK						
SHEET	ROADWAY	BEGIN STA.	END STA.	UNCLASSIFIED EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	REMARKS
5	RTE D	32+50.00	35+00.00	434	0	ENTERPRISE TURN LANE
10	RTE D	91+60.44	93+16.28	152	4	MAYFAIR TURN LANE
11	RTE D	98+56.00	99+51.35	211	5	DEESWOOD U-TURN
11	RTE D	96+00.00	98+50.00	230	6	INGRAM MILL TURN LANE
16	RTE D	129+14.74	131+25.00	143	129	BLACKMAN U-TURN LANE
			TOTAL	1,170	144	

SUMMARY OF QUANTITIES
SHEET 3 OF 5



DATE PREPARED 2/27/2026	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 3
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
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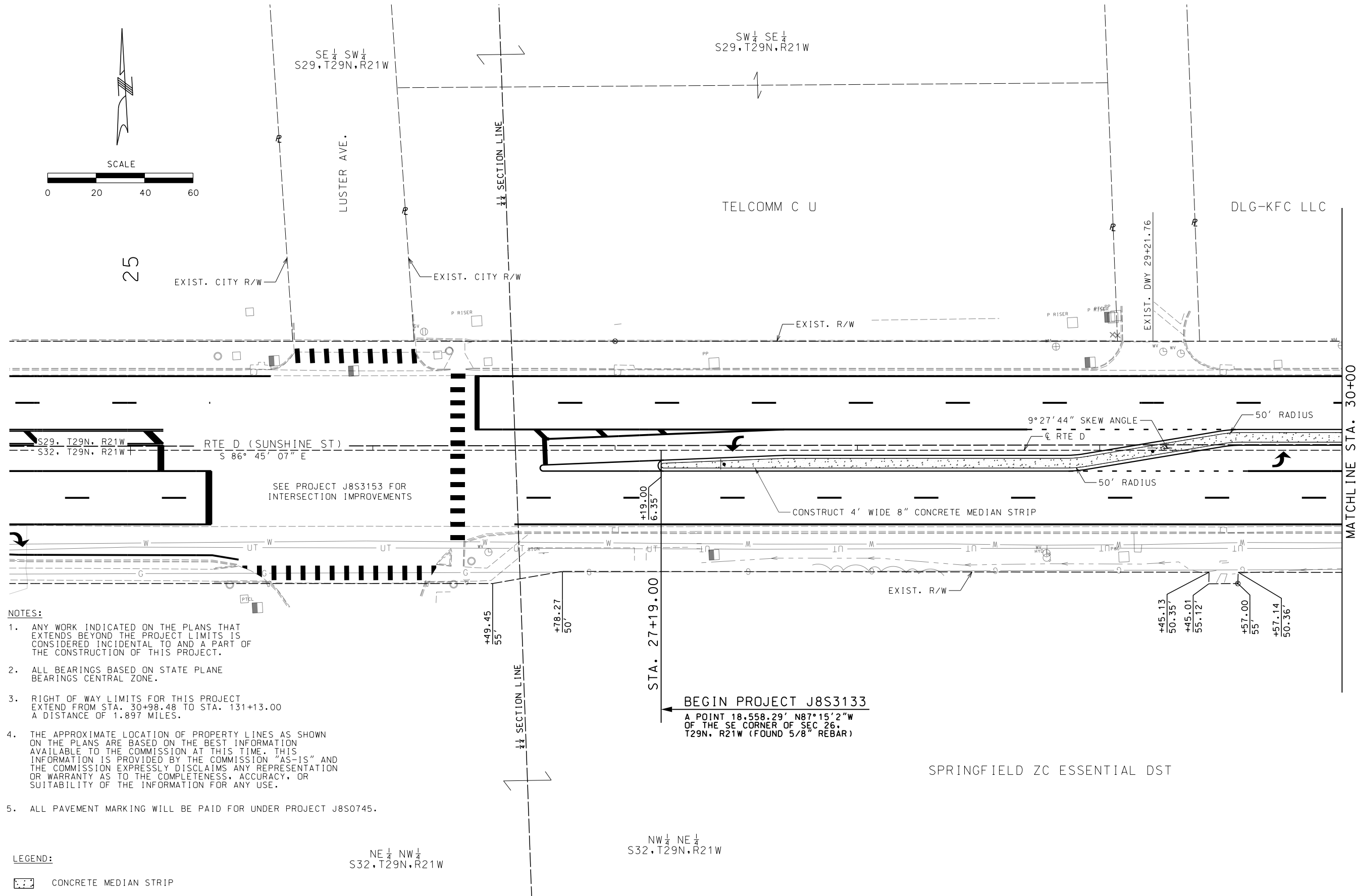
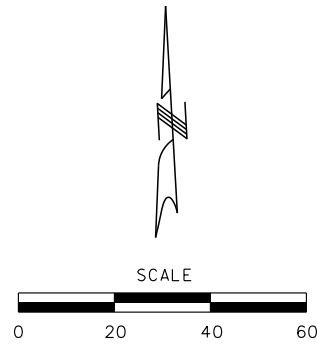


 THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.	
DATE PREPARED 2/27/2026	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 3
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GARVER, LLC. 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6425 CERTIFICATE OF AUTHORITY NO. 2008013090  105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MOTD (1-888-275-6636)	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 	
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	

* LENGTH MEASURED ALONG PROPOSED IMPROVEMENT, NOT BY STATION RANGE.
** PAY WIDTH INCLUDES INTEGRAL CURB CONC. WIDTH/HEIGHT. SEE TYPICAL SHEET 1 FOR ALL PAY ITEM LIMITS.

SUMMARY OF QUANTITIES
SHEET 4 OF 5

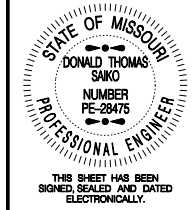
SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NO.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NO.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025		
																				DESCRIPTION		
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)		
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00							GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00							EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00							EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	*					1	ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	*					26	END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50							PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75							PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50							PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	8	48.00				54	WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00	4	12.00				52	END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00							DETOUR (LEFT)	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00							DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00							STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00							DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00							DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)		
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25							STOP	6161025	300	CHANNELIZER (TRIM-LINE)	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93							YIELD	6161026		CHANNELIZER (VERTICAL PANEL)	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00							TO ONCOMING TRAFFIC (PLAQUE)	6161030	10	TYPE 3 MOVEABLE BARRICADE	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50							ALL WAY (PLAQUE)	6161033	28	DIRECTION INDICATOR BARRICADE	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	4	48.00				4, 25	SPEED LIMIT:2-30 MPH; 2-40 MPH	6161040	2	FLASHING ARROW PANEL	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00							NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00							NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO4-1L	48X48	16.00	4	64.00			6	MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00							NO TURNS	6161070		TUBULAR MARKER	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00							NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25	2	12.50				19	LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25	2	12.50				64	RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00							DO NOT PASS	6161098A	2	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00							PASS WITH CARE			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00	2	24.00				42	KEEP RIGHT (HORIZONTAL ARROW)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00							KEEP LEFT (HORIZONTAL ARROW)			WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25							DO NOT ENTER	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00							WRONG WAY	6162002		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75							ONE WAY ARROW (LEFT)	6173600D		CONTRACTOR FURNISHED/RETAINED	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75							ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00							ONE WAY (LEFT)	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00							ONE WAY (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00	14	28.00				60	SIDEWALK CLOSED	6173706		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00	8	24.00				65	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			RELOCATING TEMPORARY TRAFFIC BARRIER	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00	8	24.00				66	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00							STOP HERE ON RED (45° ARROW)	6175010A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT	
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00							ROAD CLOSED	6175013		TEMPORARY RAISED PAVEMENT MARKER	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50							ROAD CLOSED XX MILES AHEAD	6175020A		TEMPORARY TRAFFIC SIGNALS	
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50							LOCAL TRAFFIC ONLY	6208064A		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-11	48X48	16.00						UNEVEN LANES	CONST-3A	60X48	20.00							FINE SIGN	9029400		ADA COMPLIANT TYPE 3 MOVABLE BARRICADE	
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3X	56X12	4.67							SPEEDING/PASSING (PLATE)	6199902	8		
WO8-15	48X48	16.00						GROOVED PAVEMENT	MISCELLANEOUS SIGNS									GENERAL NOTES NO DIRECT PAYMENT FOR RELOCATION OF TRAFFIC CONTROL SIGNS ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING * TO BE PAID FOR BY JOB J8S0745				
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00										POINT OF PRESENCE	
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	96X48	32.00										POINT OF PRESENCE	
WO8-17R	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-8	48X36	12.00							59	WORK ZONE NO PHONE ZONE	SUMMARY OF QUANTITIES SHEET 5 OF 5		
W10-1	42RND.	9.62						RAILROAD CROSSING	WO16-7P-L	30X18	3.75	4	15.00				71	DOWNWARD DIAGONAL ARROW (LEFT)				
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	WO16-7P-R	30X18	3.75	4	15.00				72	DOWNWARD DIAGONAL ARROW (RIGHT)				
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)	R9-10	24X18	3	4	12.00				73	SIDEWALK CLOSED, (DUAL ARROW) USE OTHER SIDE				
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)	WO11-2	36X36	9	8	7									



- NOTES:**
- ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
 - ALL BEARINGS BASED ON STATE PLANE BEARINGS CENTRAL ZONE.
 - RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 30+98.48 TO STA. 131+13.00 A DISTANCE OF 1.897 MILES.
 - THE APPROXIMATE LOCATION OF PROPERTY LINES 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.
 - ALL PAVEMENT MARKING WILL BE PAID FOR UNDER PROJECT J8S0745.

LEGEND:

CONCRETE MEDIAN STRIP



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

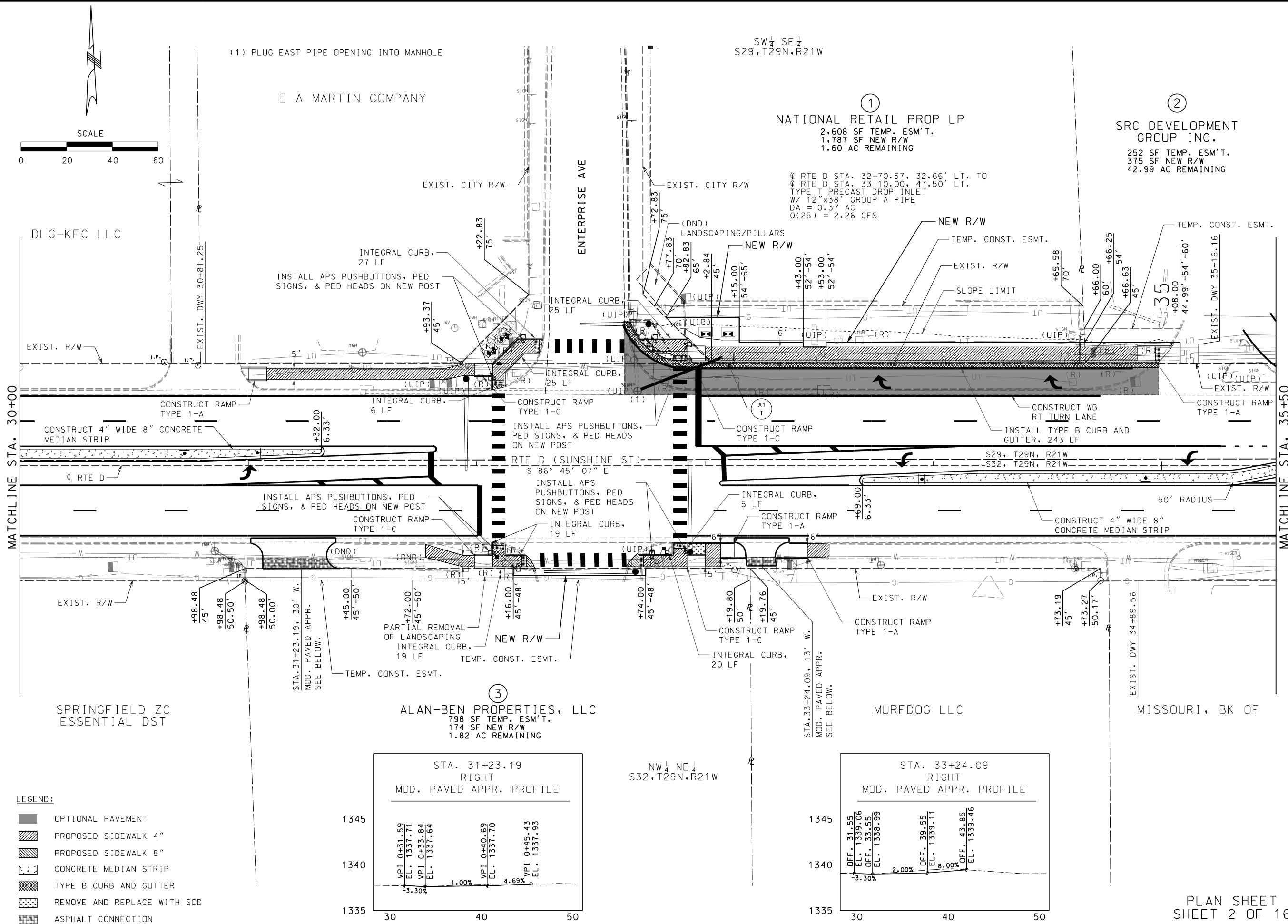
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

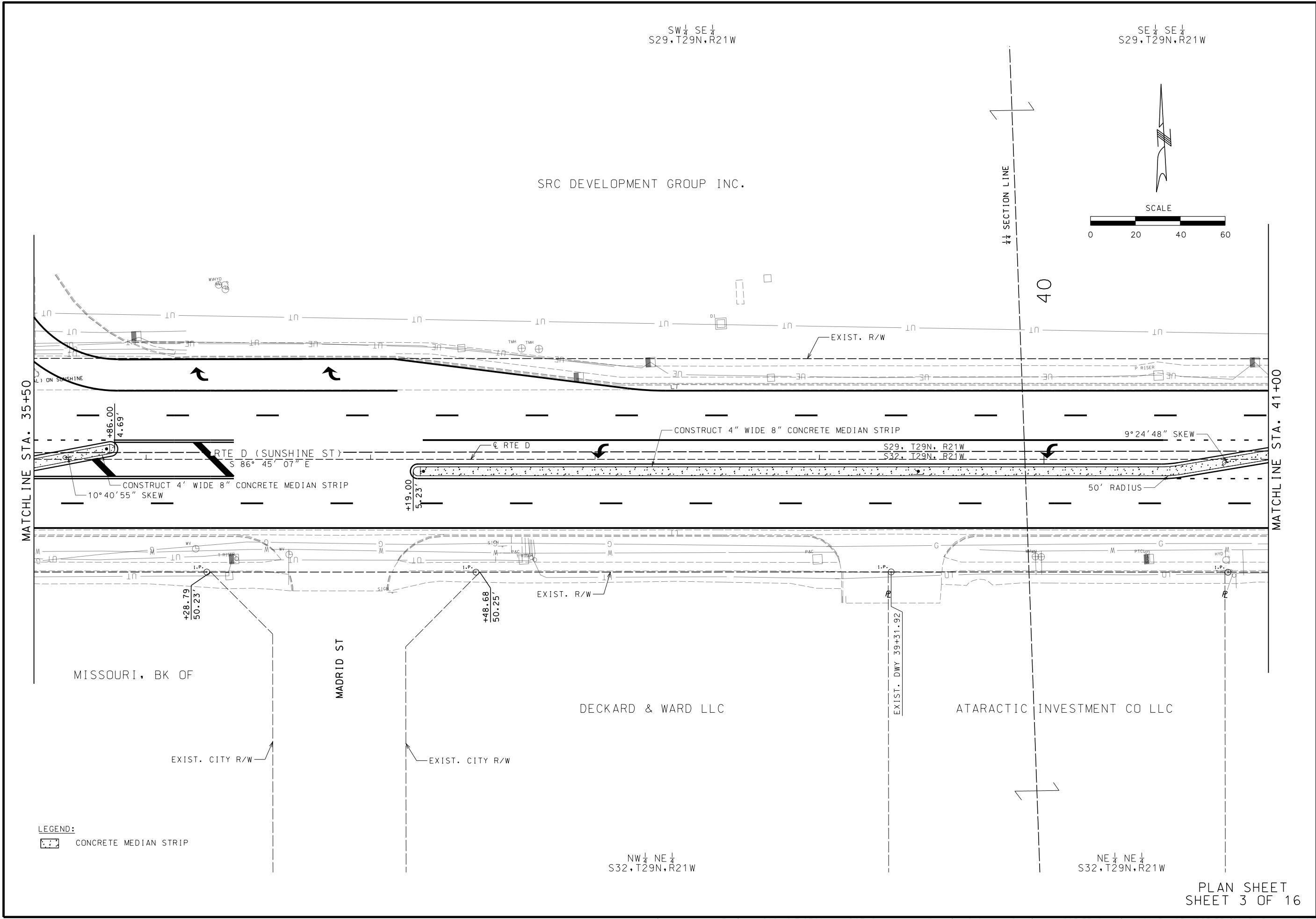
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PLAN SHEET
SHEET 1 OF 16





STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 6

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

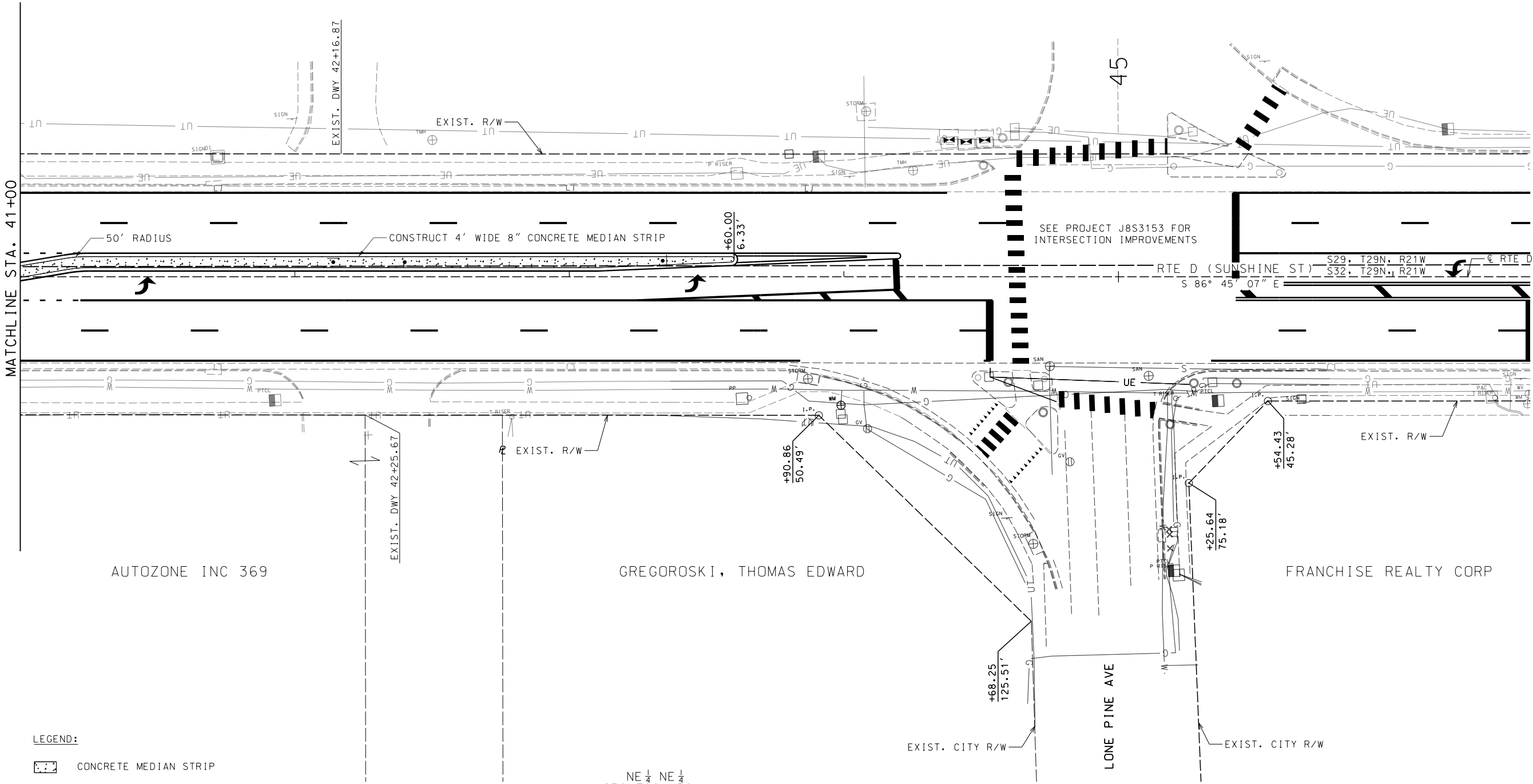
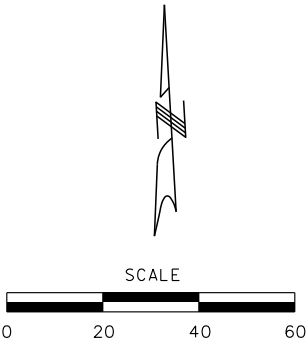
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC. 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090

\\garverinc.local\ngdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\006_PL_03_J8S3133_i20_RteD.dgn 2:03:57 PM 10/13/2025

SE 1/4 SE 1/4
S29, T29N, R21W

SRC DEVELOPMENT GROUP INC.



DATE PREPARED
10/13/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 7

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

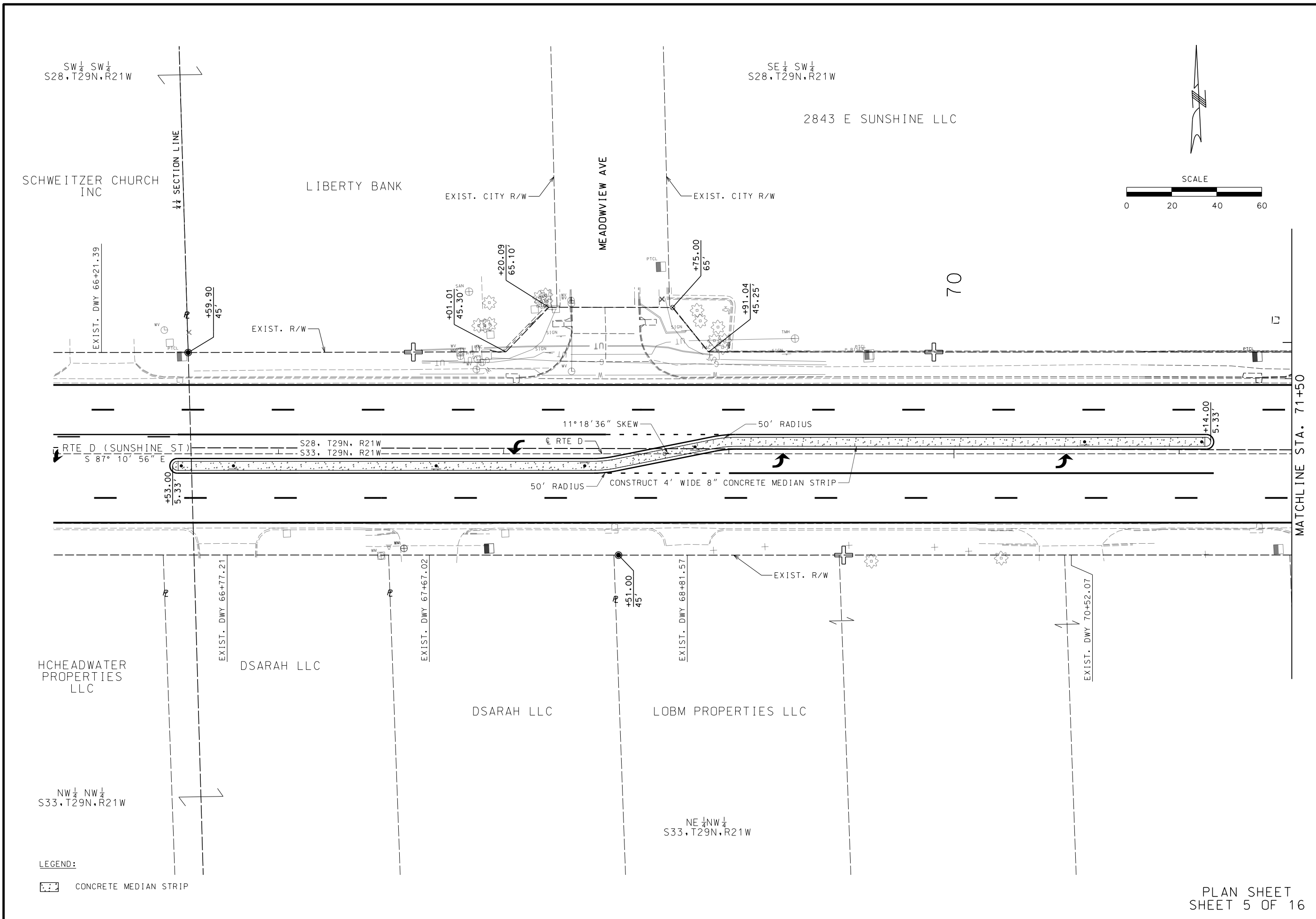
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PLAN SHEET
SHEET 4 OF 16



PLAN SHEET
SHEET 5 OF 16



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
10/13/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	8

COUNTY
GREENE

GREENE
JOB NO.
1063133

J855133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

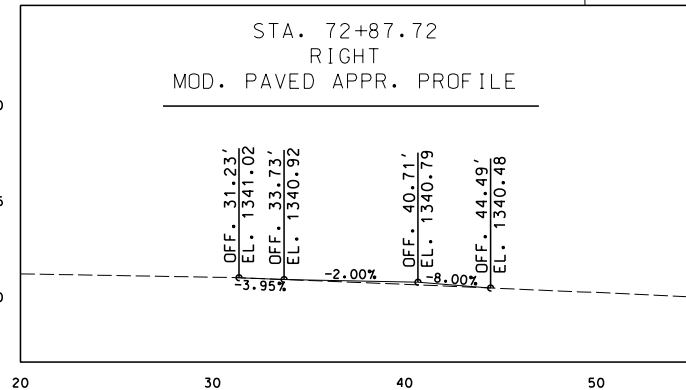
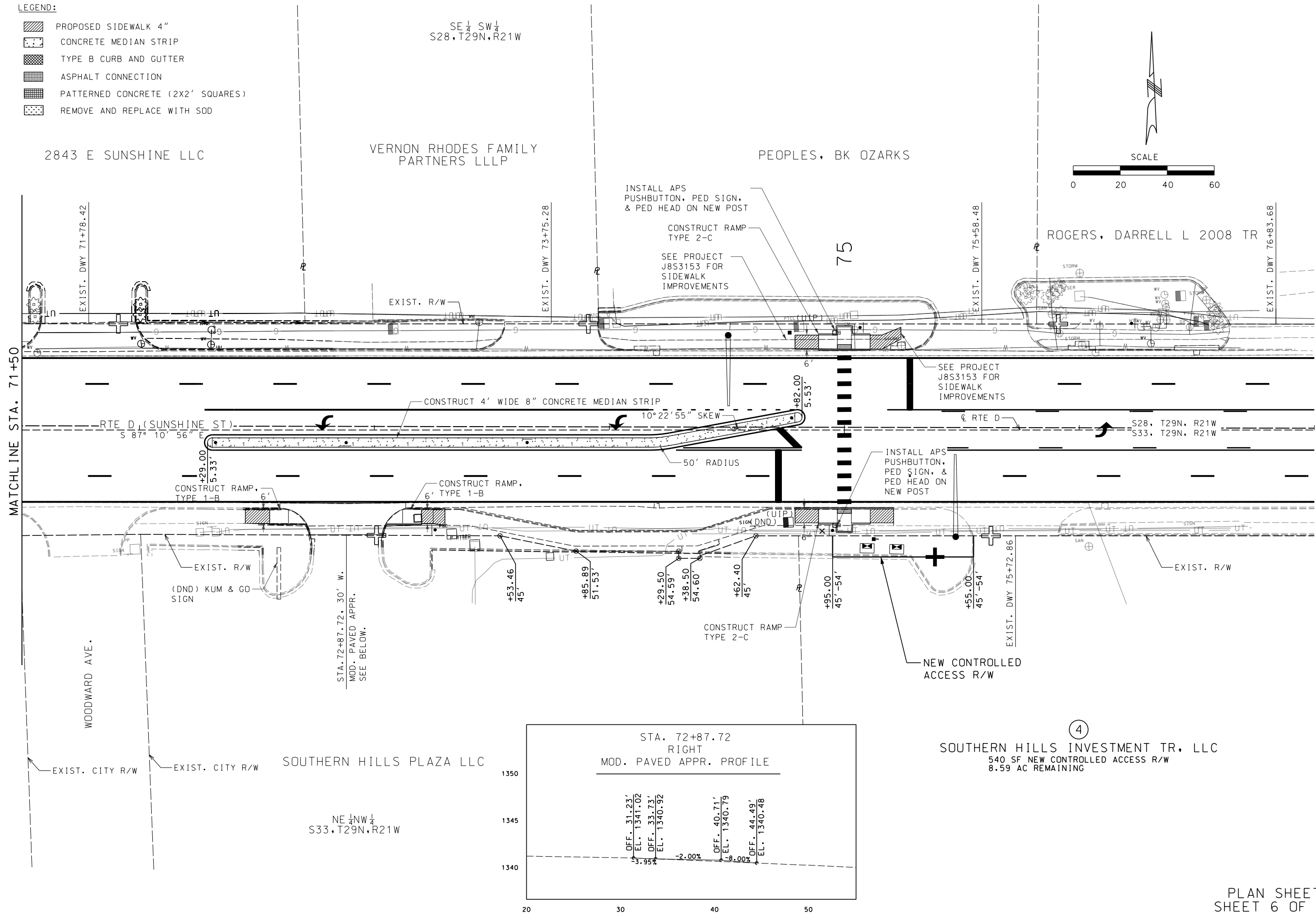
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LEGEND:

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-
-
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-



④
SOUTHERN HILLS INVESTMENT TR, LLC
540 SF NEW CONTROLLED ACCESS R/W
8.59 AC REMAINING

PLAN SHEET
SHEET 6 OF 16

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 9

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

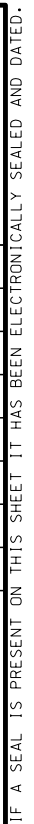
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER



LEGEND:

-
-
-
-
-
-

JM&M, INV LLC

3259 E SUNSHINE LLC

SE 1/4 SE 1/4
S28.729N, R21W

⑥
3259 E SUNSHINE, LLC
289 SF TEMP. ESM'T.
1.225 SF NEW CONTROLLED ACCESS R/W
2.65 AC REMAINING

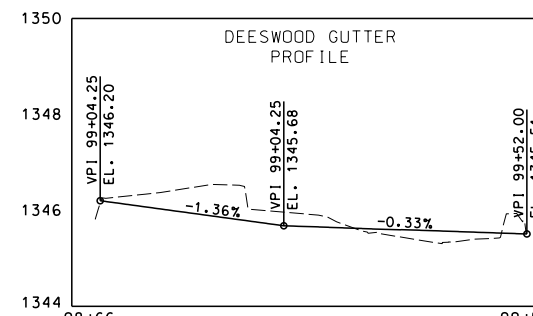
© RTE D STA. 98+62.35.50' LT. TO
© RTE D STA. 99+08.69.34.0' LT.
TYPE T PRECAST DROP INLET
48" PRECAST MANHOLE
W/ 12"x44" GROUP A PIPE
DA = 0.13 AC
Q(25) = 0.57 CFS

© RTE D STA. 98+62.44.05' LT. TO
© RTE D STA. 99+34.04.45.0' LT.
TYPE T PRECAST DROP INLETS
48" PRECAST MANHOLE
W/ 15"x68" GROUP A PIPE
DA = 0.881 AC
Q(25) = 4.33 CFS

© RTE D STA. 99+43.64.97' LT. TO
© RTE D STA. 99+34.04.45.0' LT.
TYPE T PRECAST DROP INLET
48" PRECAST MANHOLE
W/ 15"x18" GROUP A PIPE
DA = 0.27 AC
Q(25) = 1.56 CFS

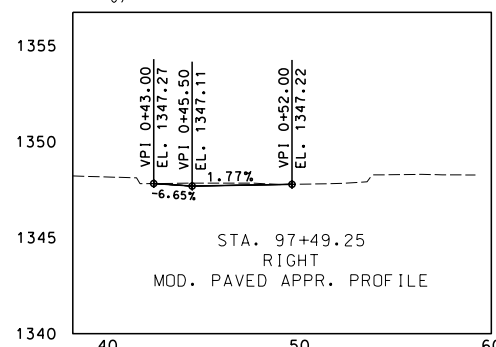
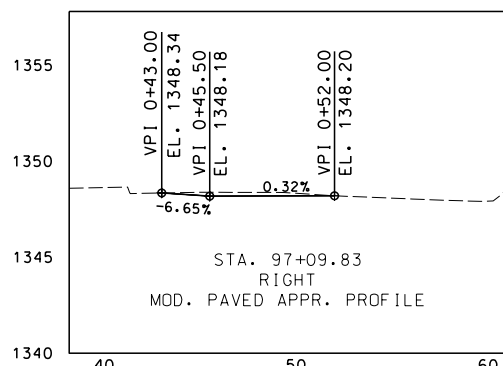
© RTE D STA. 99+89.48.63.75' LT. TO
© RTE D STA. 99+89.65.58.39' LT.
TYPE T PRECAST DROP INLET
W/ 12"x3" GROUP B PIPE
TYPE A PIPE COLLAR
DA = 0.88 AC
Q(25) = 4.07 CFS

3259 E SUNSHINE, LLC
289 SF TEMP. ESM'T.
1.225 SF NEW CONTROLLED ACCESS R/W
2.65 AC REMAINING



MATCHLINE STA. 96+00

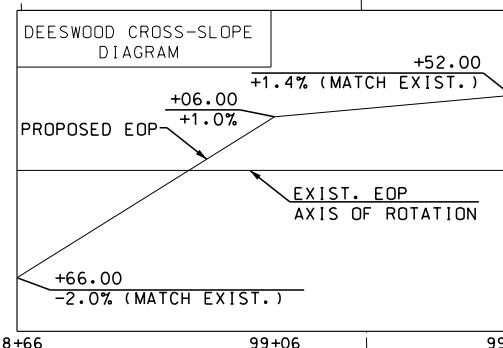
MATCHLINE STA. 101+50



NE 1/4 NE 1/4
S33.729N, R21W

© RTE D STA. 97+30.47.50' RT. TO
© RTE D STA. 97+30.32.19' RT.
TYPE T PRECAST DROP INLET
48" PRECAST MANHOLE
W/ 15"x11" GROUP A PIPE
DA = 0.1858 AC
Q(25) = 1.36 CFS

© RTE D STA. 98+82.53.36' RT. TO
© RTE D STA. 99+09.00.32.25' RT.
TYPE T PRECAST DROP INLET
60" PRECAST MANHOLE
W/ 15"x31" GROUP A PIPE
DA = 0.15 AC
Q(25) = 1.09 CFS



PLAN SHEET
SHEET 8 OF 16



DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
11

COUNTY
GREENE

JOB NO.
J853133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

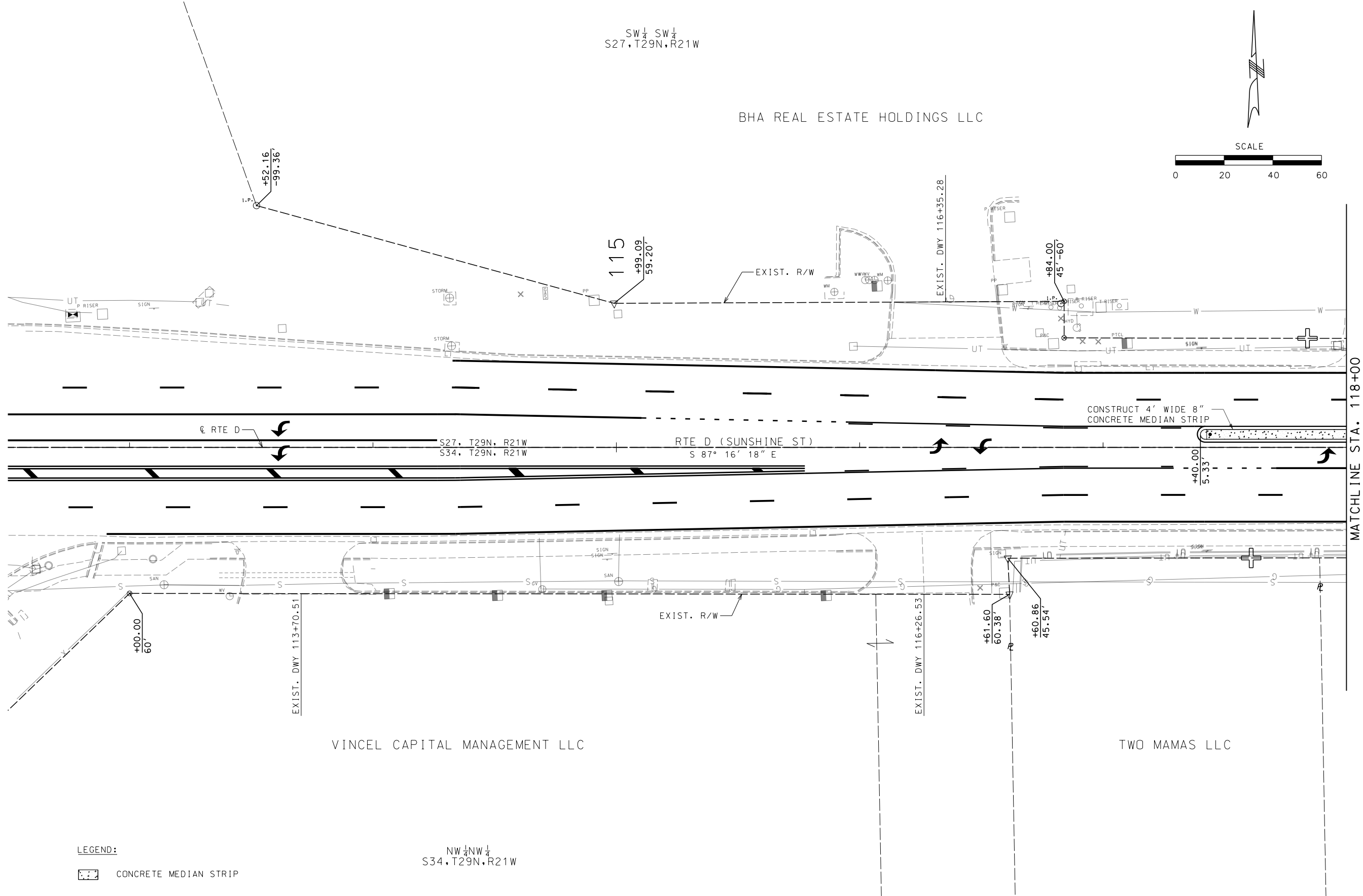
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



LEGEND:

 CONCRETE MEDIAN STRIP

NW 1/4 NW 1/4
S34, T29N, R21W

SW 1/4 SW 1/4
S27, T29N, R21W

BHA REAL ESTATE HOLDINGS LLC

VINCEL CAPITAL MANAGEMENT LLC

TWO MAMAS LLC

PLAN SHEET
SHEET 10 OF 16



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 13
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

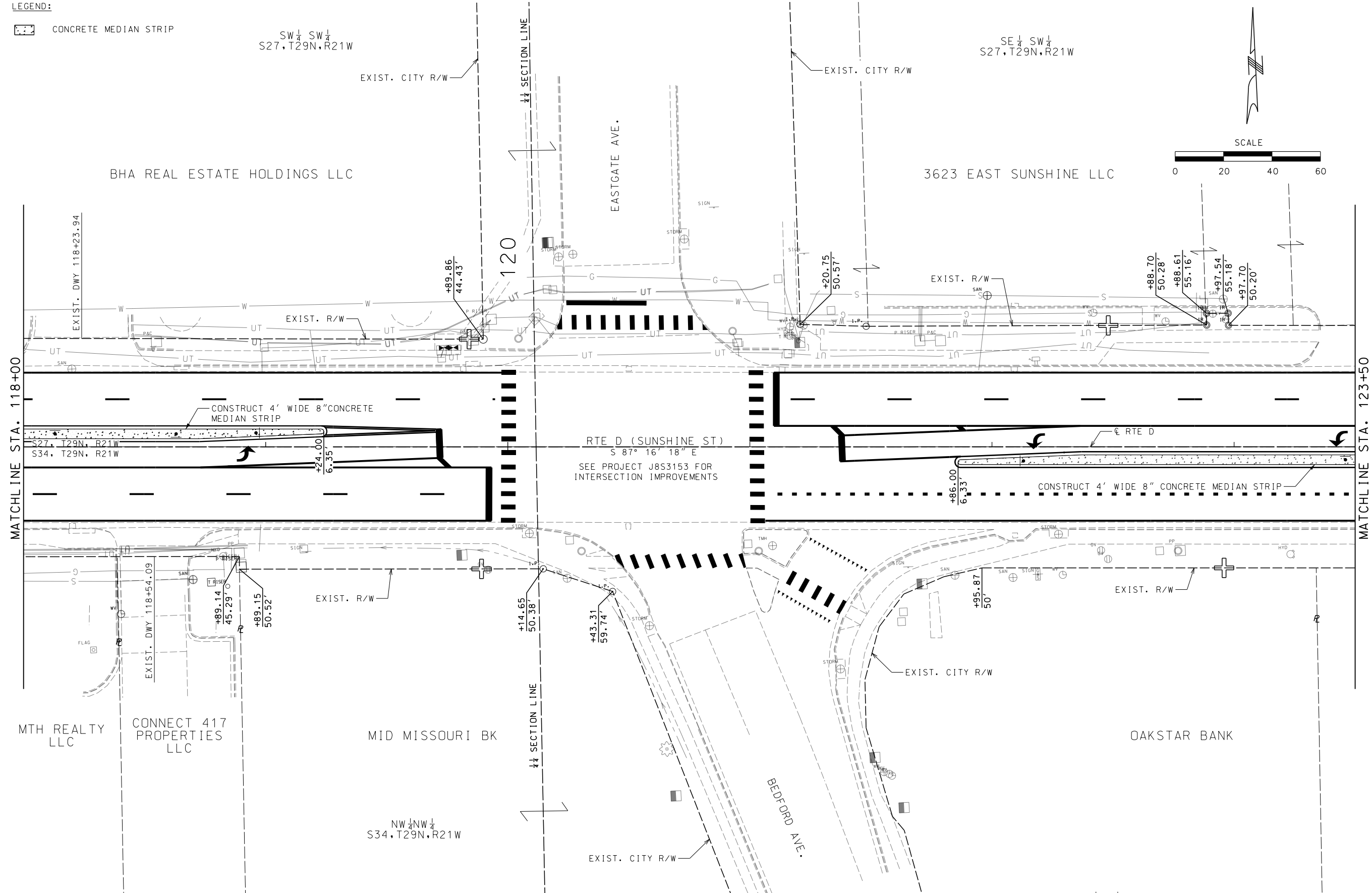


LEGEND:

CONCRETE MEDIAN STRIP

SW 1/4 SW 1/4
S27, T29N, R21W

SE 1/4 SW 1/4
S27, T29N, R21W



PLAN SHEET
SHEET 11 OF 16



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 14

COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

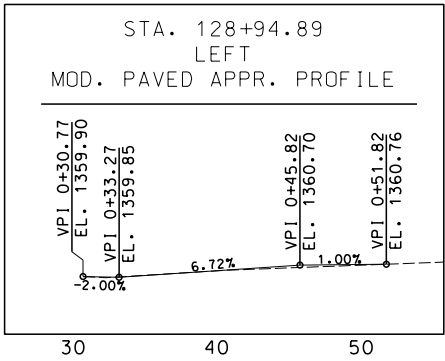
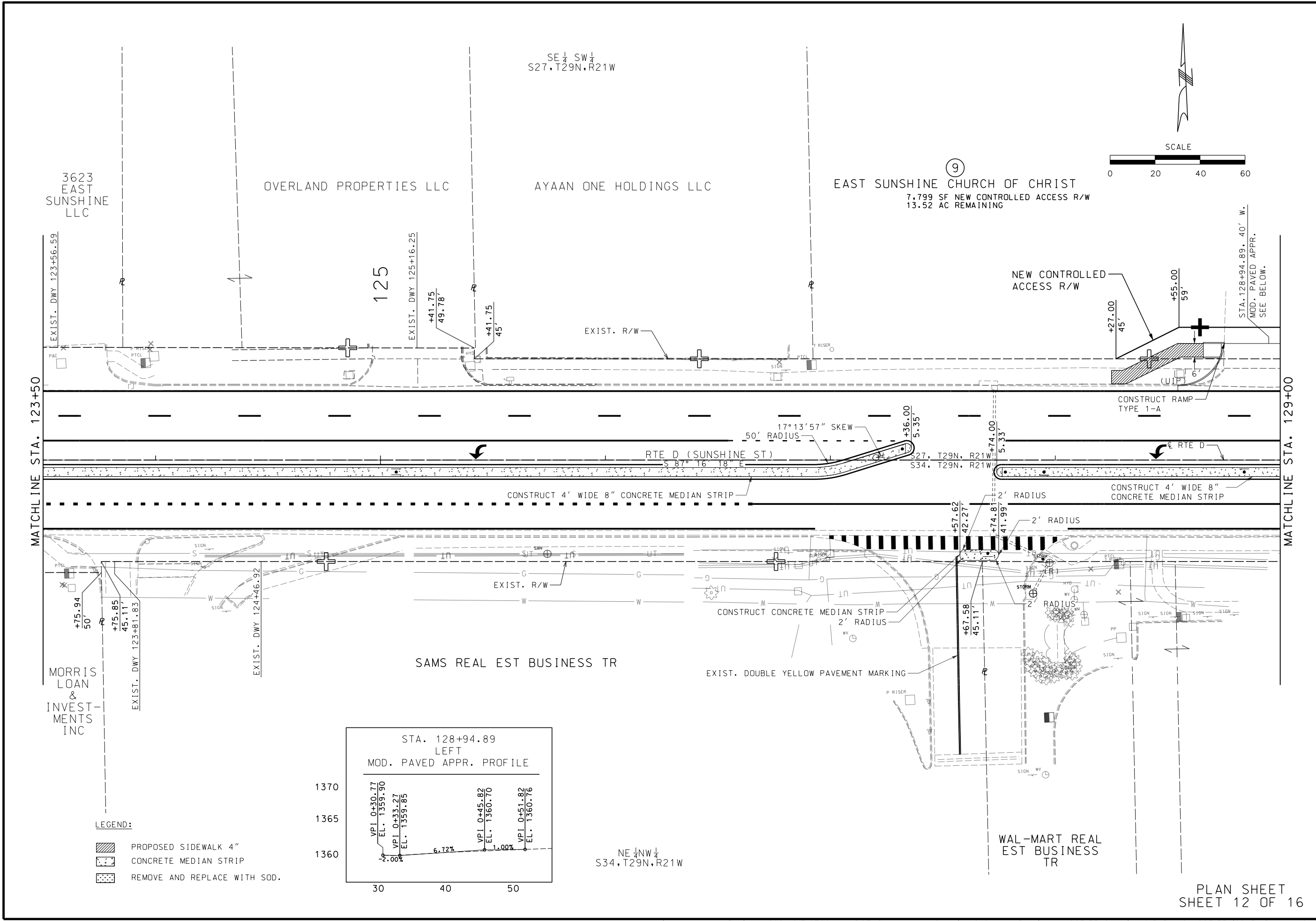
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





- LEGEND:
- PROPOSED SIDEWALK 4"
 - CONCRETE MEDIAN STRIP
 - REMOVE AND REPLACE WITH SOD.

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/14/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
15

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

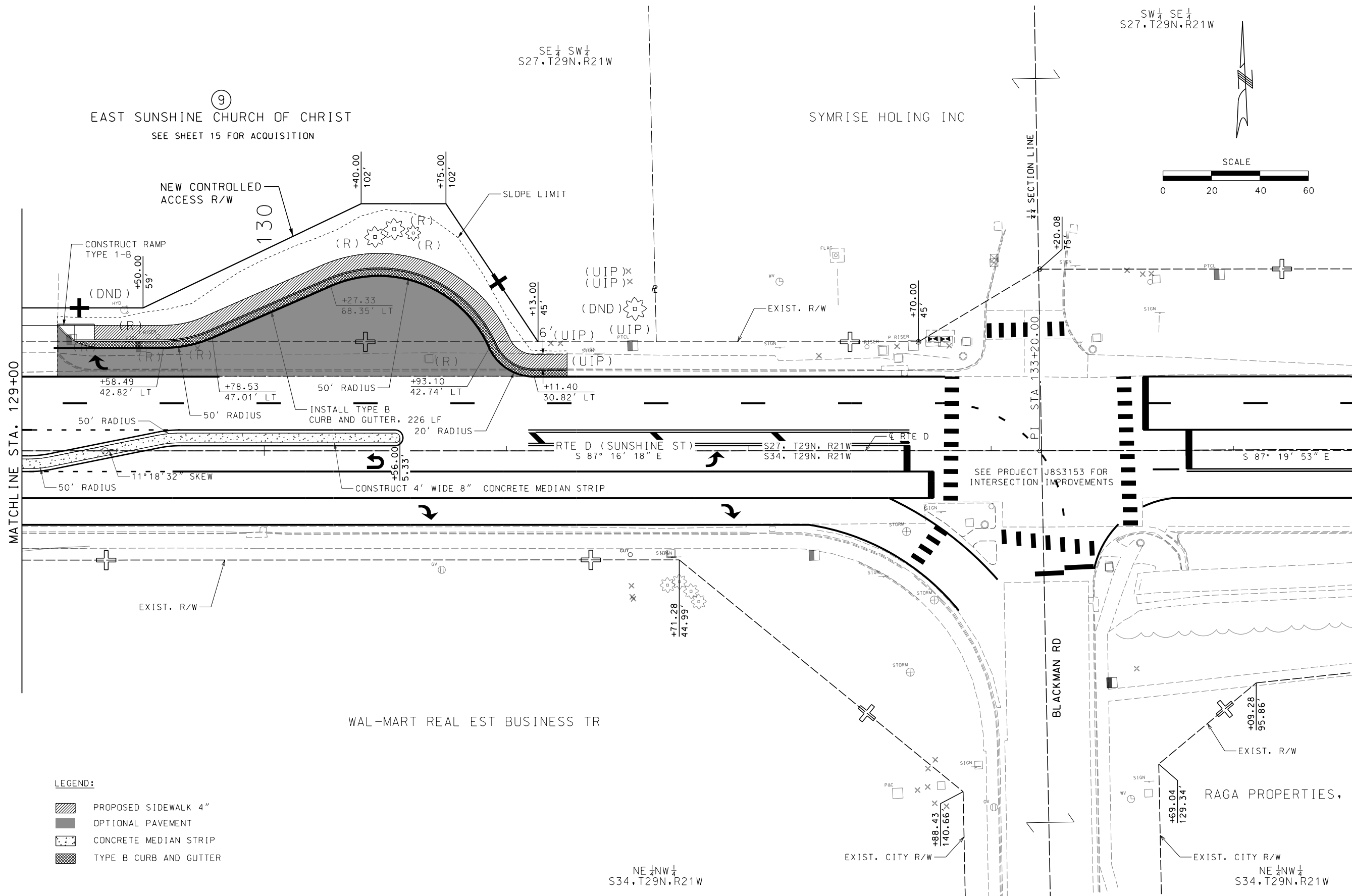
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

\\garverinc.local\gdata\Projects\2021\2118700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\015_PL_12-J8S3133_i20_RteD.dgn 12:18:37 PM 10/14/2025



STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 16

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

COMMISSION

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

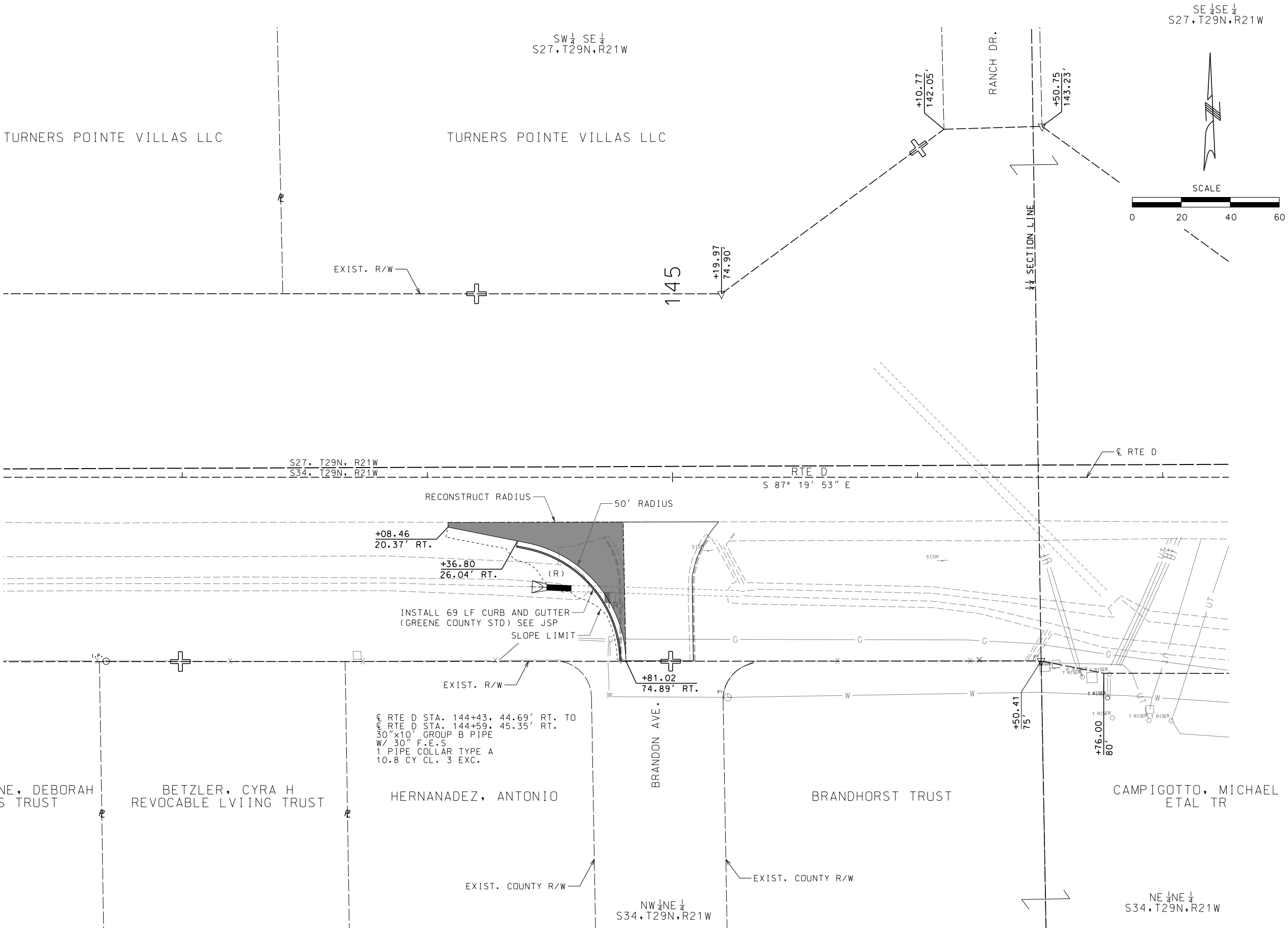
GARVER, LLC. 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090

GARVER

PLAN SHEET SHEET 13 OF 16

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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LEGEND:
OPTIONAL PAVEMENT



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 17
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

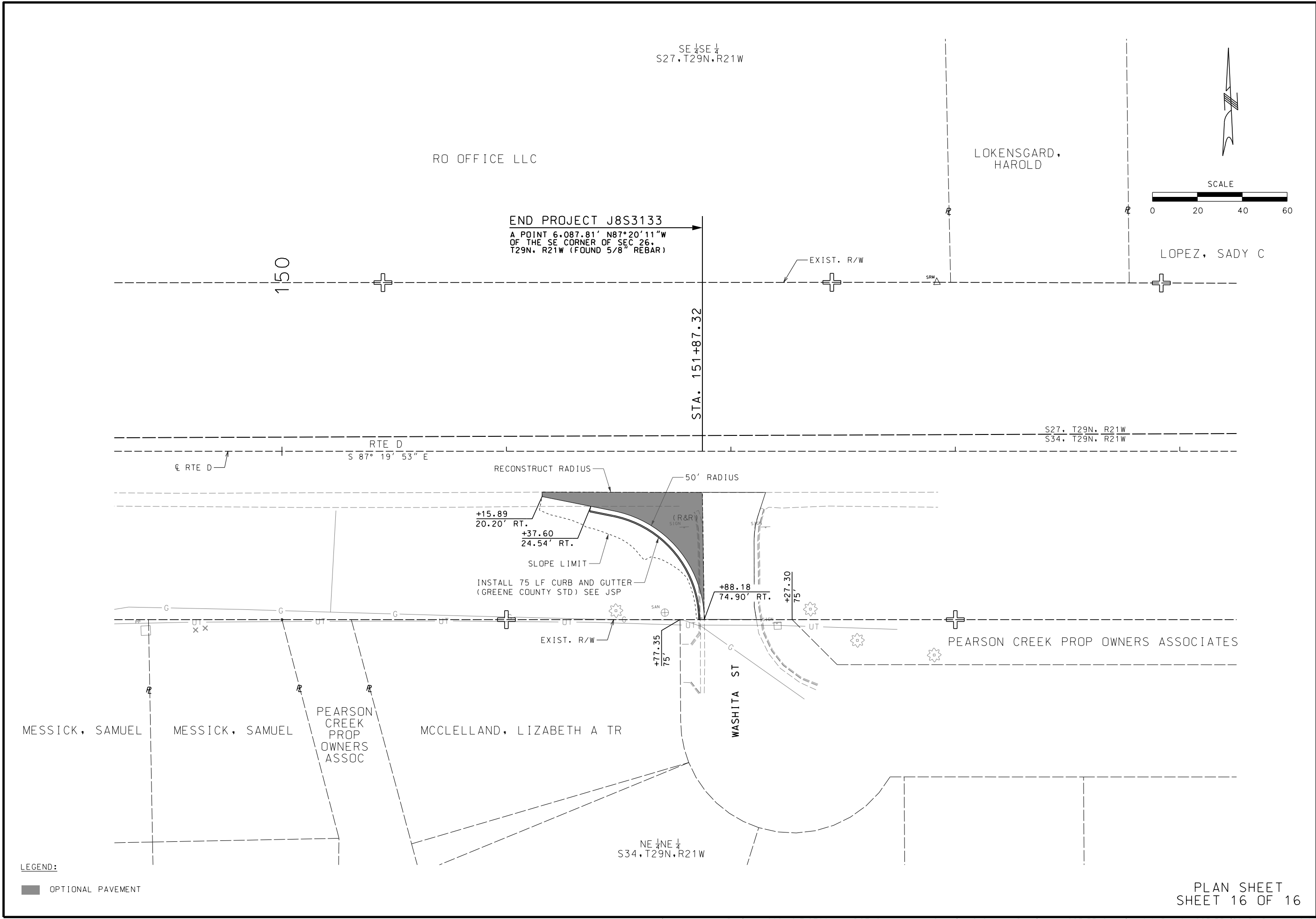
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PLAN SHEET
SHEET 14 OF 16



STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/13/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
19

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

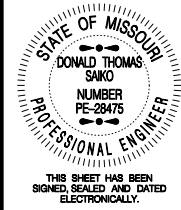
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
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PARKWAY, SUITE 200
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CERTIFICATE OF AUTHORITY
NO. 2008013090

PLAN SHEET
SHEET 16 OF 16

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\019_PL_16_J8S3133_i20_RteD.dgn 2:04:17 PM 10/13/2025

PARCEL NO.	PARCEL ID	OWNER	PROPERTY LOCATION	SHEET NO.	TOTAL TRACT (ACRES)	NEW R/W (SF)	NEW CONTROLLED ACCESS R/W (SF)	TEMPORARY ESM'T (SF)	REMAINDER (ACRES)
1	1229404110	NATIONAL RETAIL PROP LP	2323 E SUNSHINE ST	5	1.65	1787		2,608	1.60
2	1229404059	SOUTHWEST MISSOURI INV INC	2401 E SUNSHINE ST	5	43.00	375		252	42.99
3	1232103003	ALAN-BEN PROPERTIES, LLC	2200 E SUNSHINE ST	5	1.82	174		798	1.82
4	1233201051	SOUTHERN HILLS INVESTMENT TR LLC	2920 3014 E SUNSHINE ST	9	8.60		540		8.59
5	1233104039	ARVEST BANK	3184 E E SUNSHINE ST	10	1.68		1,094	251	1.65
6	1228422181	3259 E SUNSHINE LLC	3259 E SUNSHINE ST	11	2.68		1,225	289	2.65
7	1228422098	COMMERCE BANK OF SPRINGFIELD	3301 E E SUNSHINE ST	11-12	1.57		240	425	1.57
8	1233101001	LEGACY BANK & TRUST	3250 E SUNSHINE ST	11	2.29		1,958	731	2.25
9	1227310125	EAST SUNSHINE CHURCH OF CHRIST	3721 E SUNSHINE ST	16	13.70		7,799		13.52
10	1234201131	SAMS REAL EST BUSINESS TR	3660 E SUNSHINE ST	15	16.99		921	1,663	16.96
					TOTAL	2,336	13,777	7,988	



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 20
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



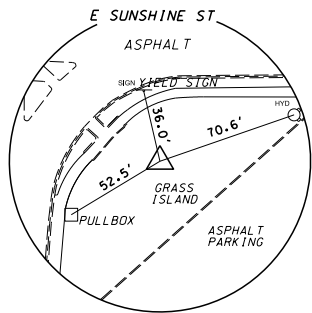
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

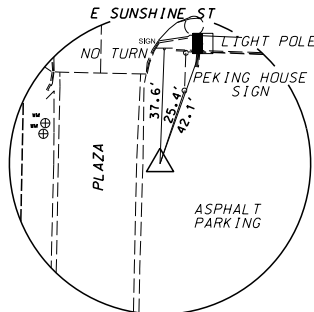


RIGHT OF WAY
SUMMARY OF TAKINGS
SHEET 1 OF 1

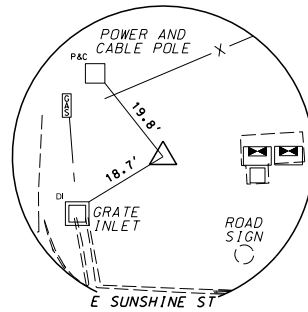
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



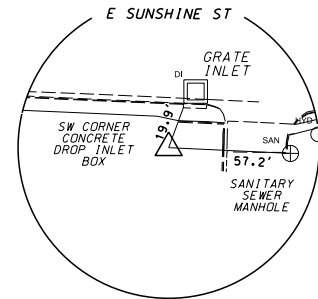
CONTROL POINT NO.1
NAIL
N: 491669.9364
E: 1418532.4712
ELEV: 1338.5980
CL RTE D
STA. 1+18.25, 90.92' RT



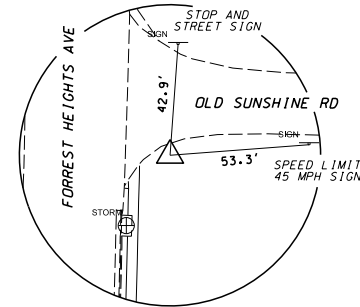
CONTROL POINT NO.2
BENCHMARK
N: 491227.6256
E: 1426821.7195
ELEV: 1332.1000
CL RTE D
STA. 84+09.52, 82.31' RT



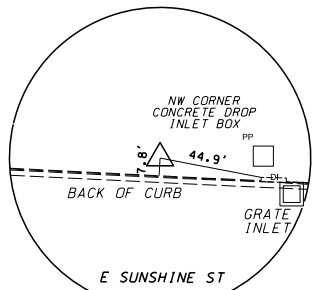
CONTROL POINT NO.3
NAIL
N: 491277.8725
E: 1429120.5538
ELEV: 1348.7651
CL RTE D
STA. 107+01.45, 67.06' LT



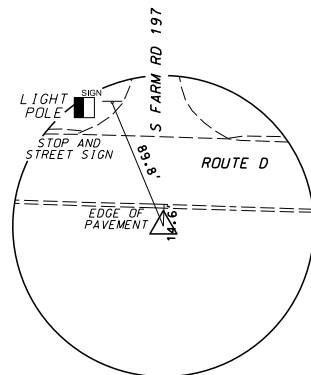
CONTROL POINT NO.4
NAIL
N: 491103.2933
E: 1430224.7578
ELEV: 1357.8564
CL RTE D
STA. 118+12.72, 54.76' RT



CONTROL POINT NO.5
BENCHMARK
N: 490799.6149
E: 1434406.8664
ELEV: 1262.7900
CL RTE D
STA. 160+04.37, 161.82' RT



CONTROL POINT NO. 6
BENCHMARK
N: 491132.7559
E: 1431625.2668
ELEV: 1347.9700
CL RTE D
STA. 132+10.23, 41.34' LT



CONTROL POINT NO. 7
5/8" REBAR
N: 490762.3454
E: 1439056.0951
ELEV: 1252.9057
CL RTE D
STA. 206+50.12, 37.17' RT



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 21

COUNTY GREENE

JOB NO. J8S3133

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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



REFERENCE POINTS
SHEET 1 OF 1

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	MODIFIED MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD 83 (2011) (EPOCH 2010)
VERTICAL DATUM	NAVD 88: GNSS DERIVED
GEOID MODEL	18
ELEVATIONS DETERMINED BY	GPS (MODOT PROVIDED)
PROJECT PROJECTION FACTOR	1.0000723
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MISSOURI COORDINATE SYSTEM OF 1983
CONTROL STATION	MODOT PROVIDED
DESIGNATION	MODOT SPRINGFIELD CORS ARP
CORS_ID	MOSF
PID	DL5388
LATITUDE	37°14'30.33454"
LONGITUDE	93°13'47.54333"
NORTHING (M)	156,530.873
EASTING (M)	435,242.882
ZONE	SPC MO CENTRAL
PROJECT AVERAGE GRID FACTOR	0.9999277
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: BEGIN PROJECT N 491,606.6101 X 0.9999277 = N 491,571.067 E 1,421,142.5411 X 0.9999277 = E 1,421,039.792	
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)		
PROJECT CONTROL POINTS								
-	1+18.25	RTE D (SUNSHINE ST.)	90.92' RT	491,669.9364	1,418,532.4712	1,338.5980	CONTROL POINT NO. 1	301
-	84+09.52	RTE D (SUNSHINE ST.)	82.31' RT	491,227.6256	1,426,821.7195	1,332.1000	CONTROL POINT NO. 2	27
-	107+01.45	RTE D (SUNSHINE ST.)	67.06' LT	491,277.8725	1,429,120.5538	1,348.7651	CONTROL POINT NO. 3	302
14	118+12.72	RTE D (SUNSHINE ST.)	54.76' RT	491,103.2933	1,430,224.7578	1,357.8564	CONTROL POINT NO. 4	303
-	160+04.37	RTE D (SUNSHINE ST.)	161.82' RT	490,799.6149	1,434,406.8664	1,262.7900	CONTROL POINT NO. 5	409
16	132+10.23	RTE D (SUNSHINE ST.)	41.34' LT	491,132.7559	1,431,625.2668	1,347.9700	CONTROL POINT NO. 6	222
-	206+50.12	RTE D (SUNSHINE ST.)	37.17' RT	490,762.3454	1,439,056.0951	1,252.9057	CONTROL POINT NO. 7	10
ALIGNMENTS								
4	27+19.00	RTE D (SUNSHINE ST.)	0	491,606.6101	1,421,142.5411		BEGIN PROJECT	
-	53+24.30	RTE D (SUNSHINE ST.)	0	491,458.9974	1,423,743.6585		PI	
-	79+93.40	RTE D (SUNSHINE ST.)	0	491,327.7857	1,426,409.5314		PI	
12	106+66.20	RTE D (SUNSHINE ST.)	0	491,212.5651	1,429,082.1489		POT	
16	133+20.00	RTE D (SUNSHINE ST.)	0	491,086.2427	1,431,732.9406		PI	
19	151+87.32	RTE D	0	490,999.3041	1,433,598.2317		END PROJECT	

STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

10/13/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

22

COUNTY

GREENE

JOB NO.

J8S3133

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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

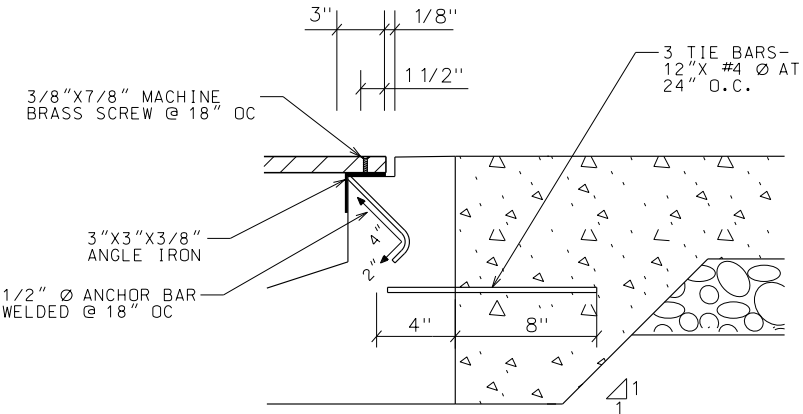
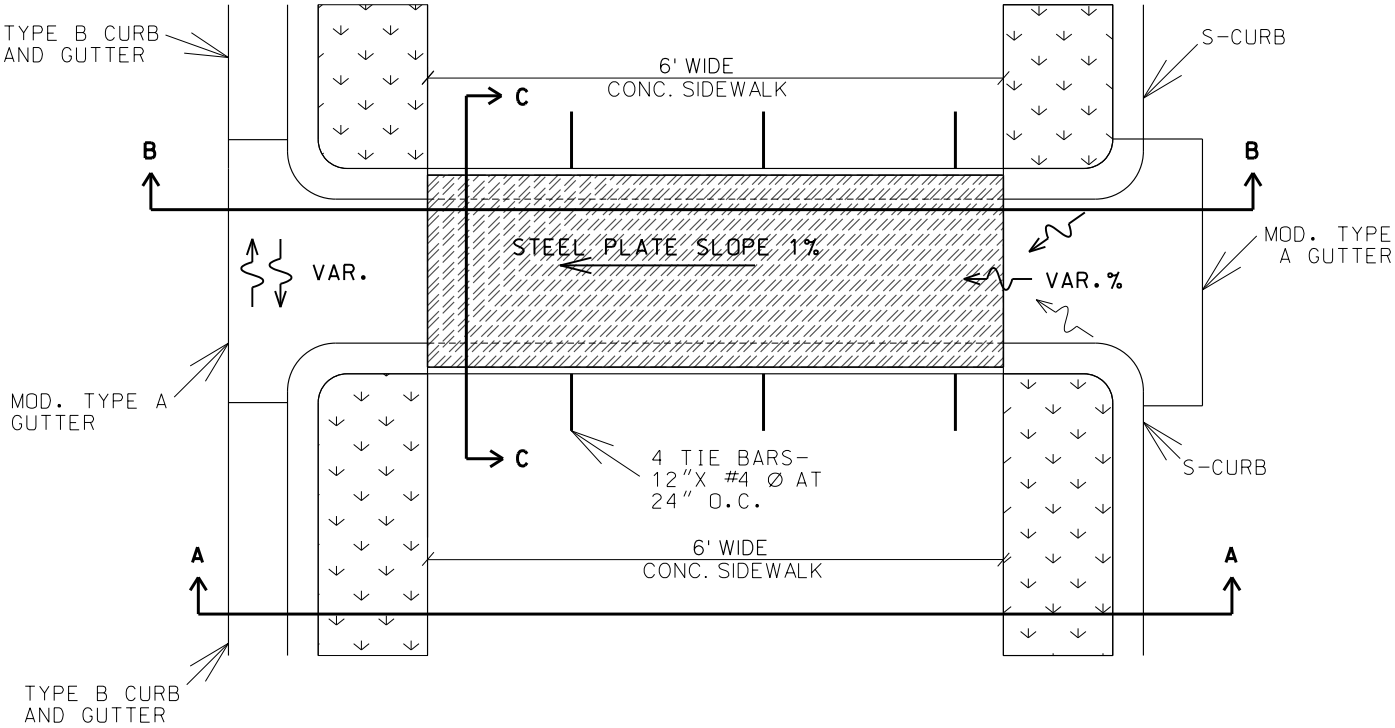
COORDINATE POINTS

SHEET 1 OF 1

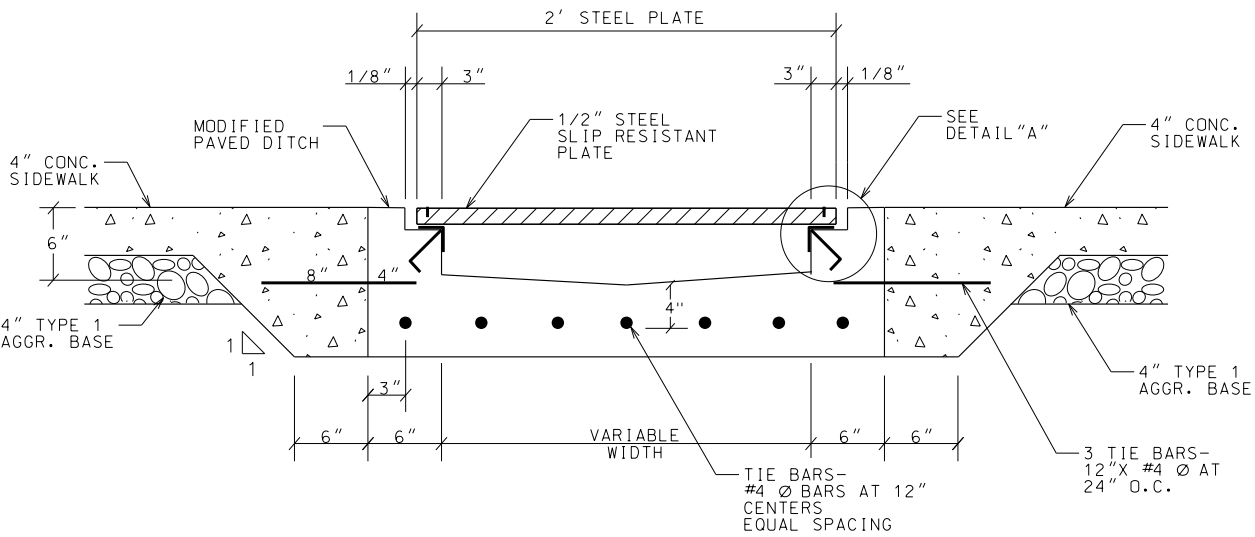
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STEEL PLATE OVER NEW MOD. TYPE A GUTTER

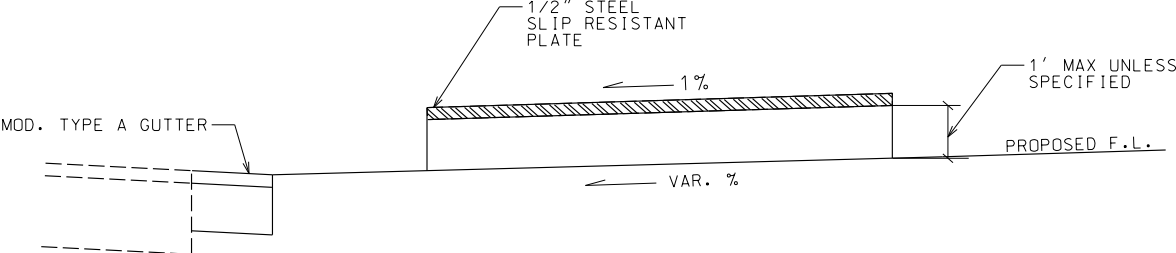
PLAN



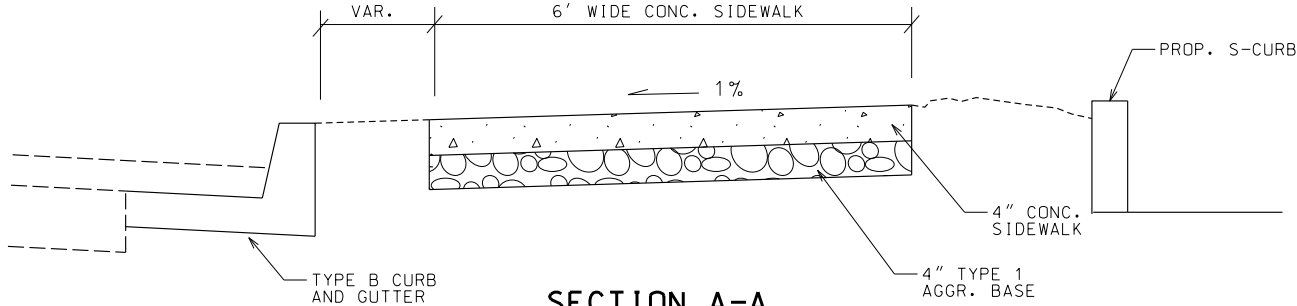
"DETAIL A"



SECTION C-C



SECTION B-B



SECTION A-A

- NOTES:
1. THE 1/2" STEEL SLIP-RESISTANT PLATE SHALL HAVE A MIN. STATIC COEFFICIENT OF FRICTION OF 0.6.
 2. FLATHEAD BRASS MACHINE SCREWS 3/8" x 7/8". HOLES SHALL BE DRILLED AND TAPPED IN THE FIELD AT INTERVALS NOT TO EXCEED 18" CENTER TO CENTER (NO DIRECT PAY).
 3. ALL REINFORCING STEEL BARS SHALL BE EPOXY COATED (NO DIRECT PAY).
 4. ALL REINFORCING STEEL, ANCHOR BARS, ANGLE IRON, SCREWS, AND 'T' SUPPORTS SHALL BE INCIDENTAL (NO DIRECT PAY).

SPECIAL SHEET
STEEL PLATE DETAILS
COMMERCE BANK DWY REMOVAL
SHEET 1 OF 1

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/14/2025

ROUTE
D
STATE
MO
DISTRICT
SW
SHEET NO.
23

COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

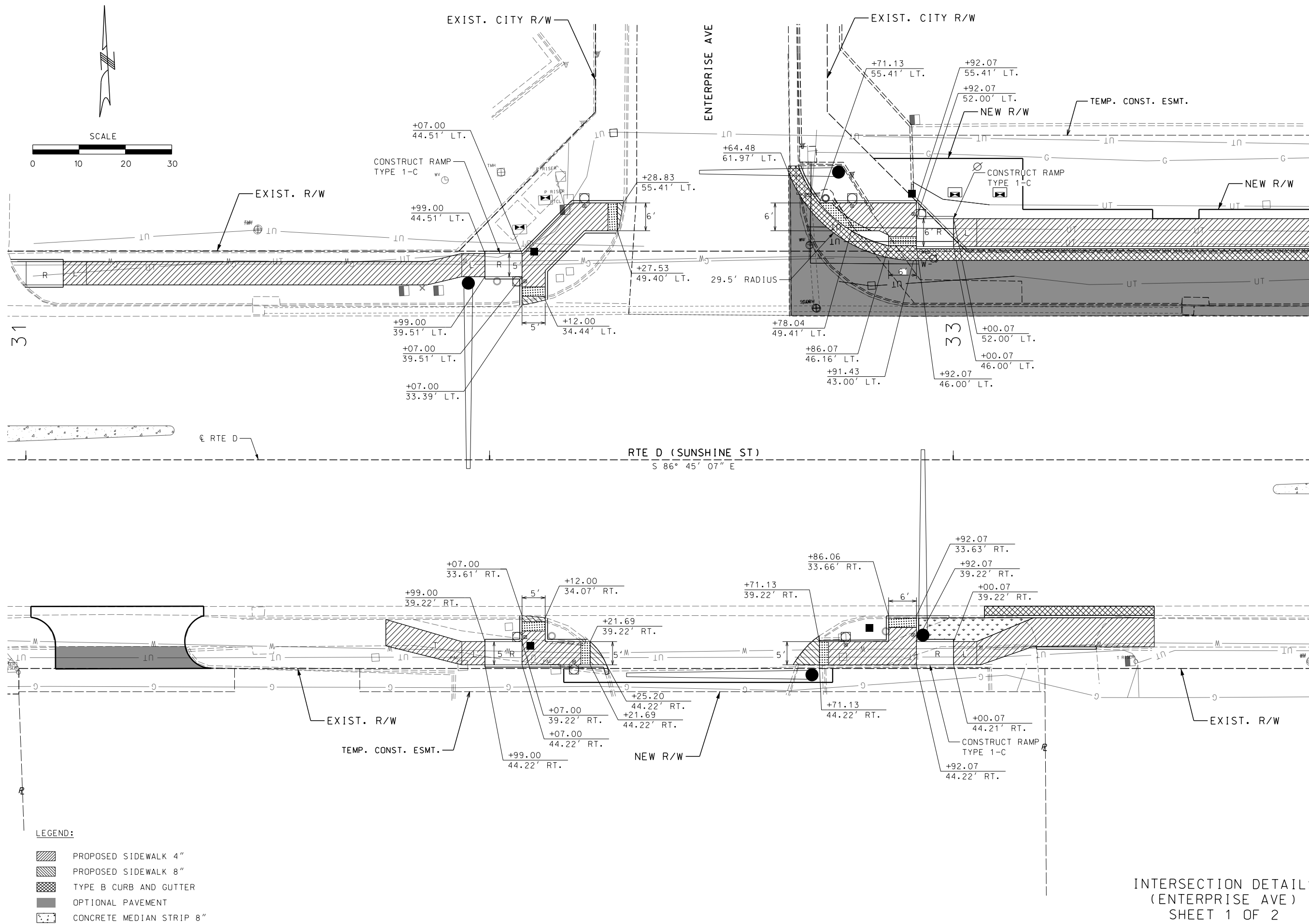
MoDOT

CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\023_SS_07_J8S3160_SteelPlate_Details.i20.dgn 12:18:50 PM 10/14/2025



INTERSECTION DETAILS
(ENTERPRISE AVE)
SHEET 1 OF 2

STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 10/13/2025

ROUTE D

DISTRICT SW

STATE MO

SHEET NO. 24

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

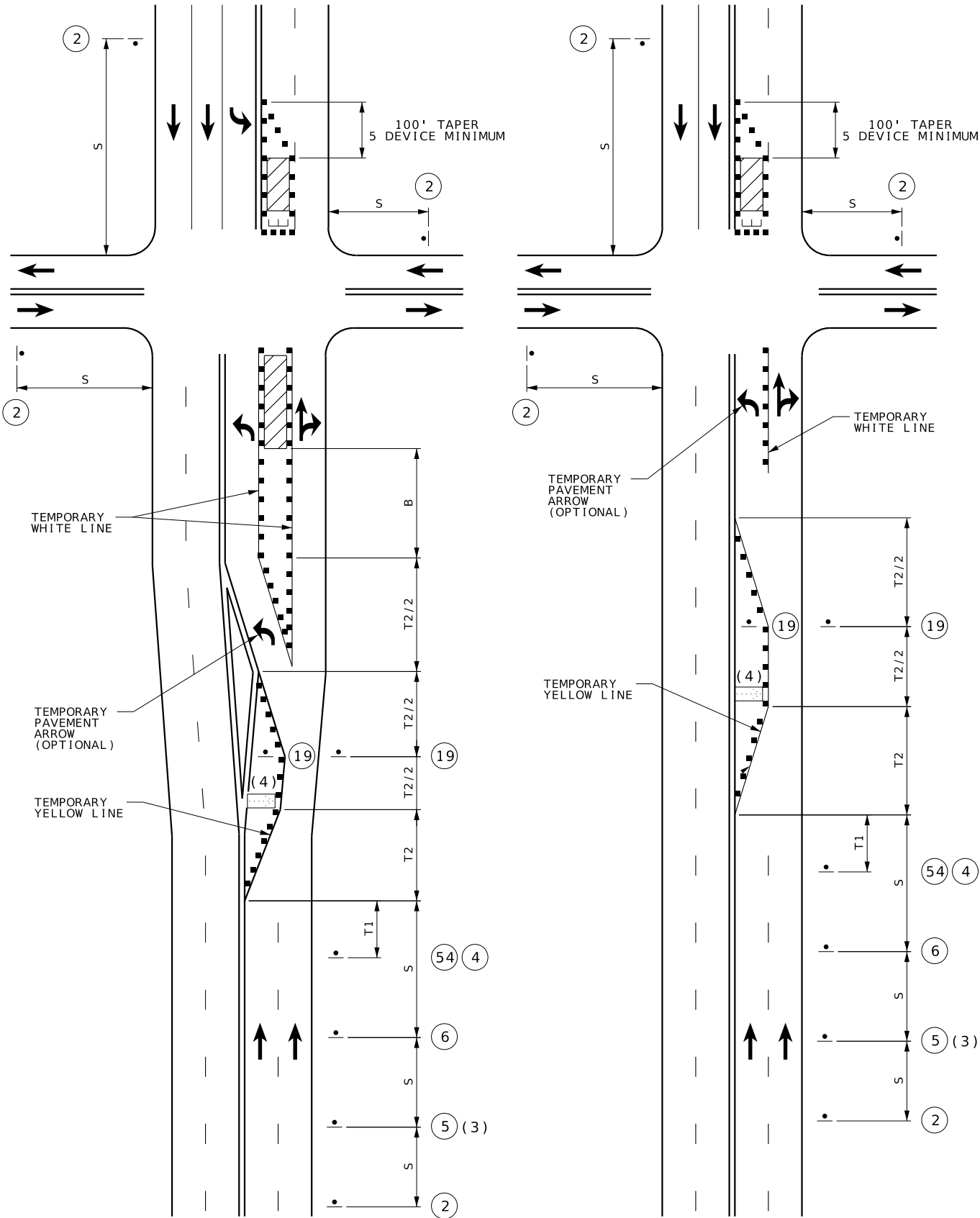
MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

GARVER

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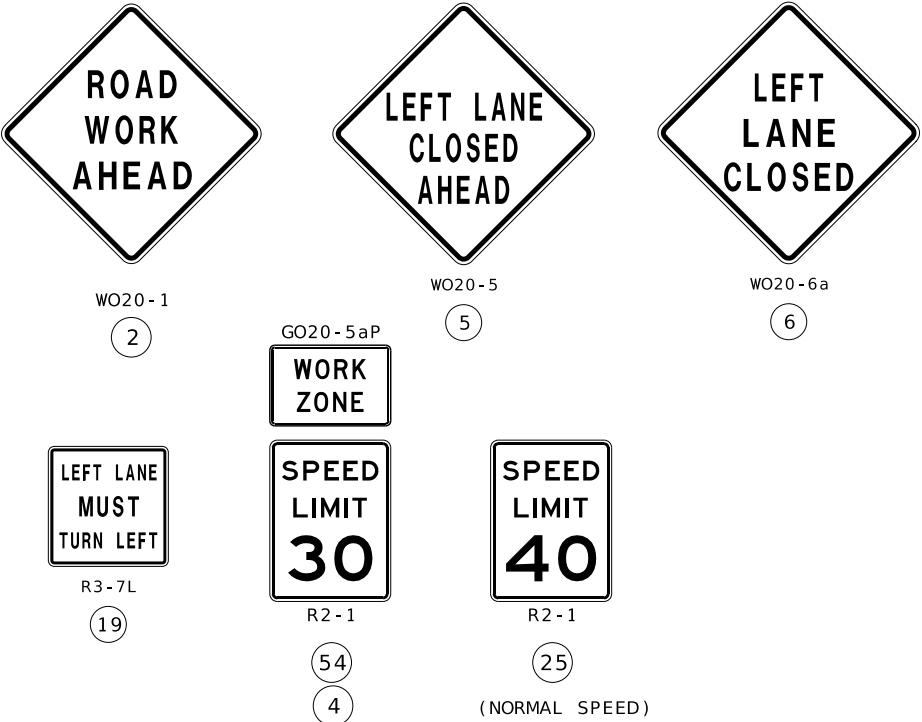
WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY

LEFT LANE CLOSURE AT INTERSECTION

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER / WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

- NOTES:
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.
- (3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.



NOT TO SCALE

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

Paul J. Kronlage
10/14/2025 8:07:42 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
10/14/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
27

COUNTY
GREENE

JOB NO.
J8S3133

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)

MoDOT

EFK Moen

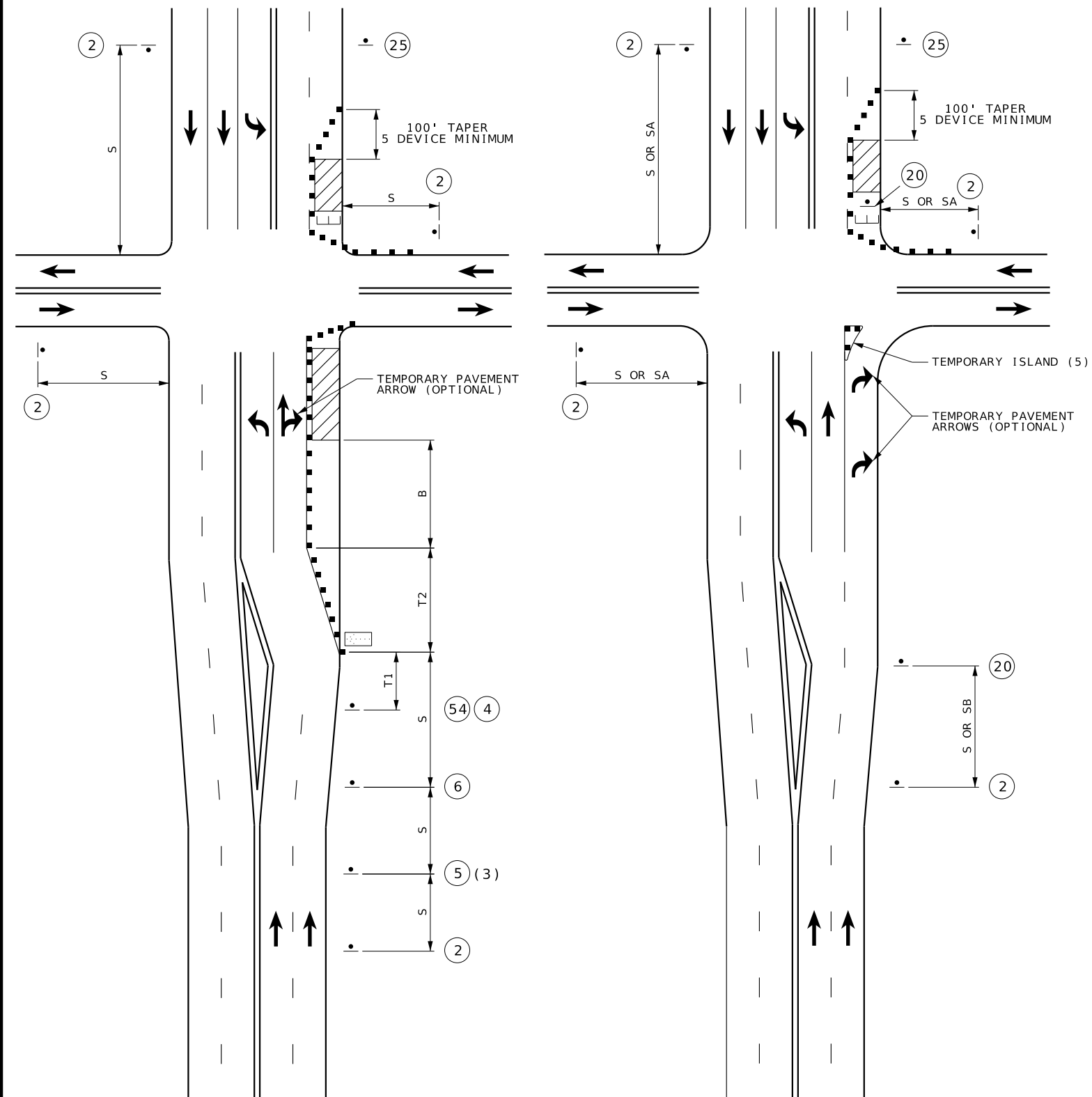
Civil Engineering Design

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

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

Missouri Certificate of Authority: 001578

027_TC_02_10_J8S3133_I1_LEFT_LANE_CLOSURE_AT_INTERSECTION.dgn 6:19:21 AM 10/14/2025



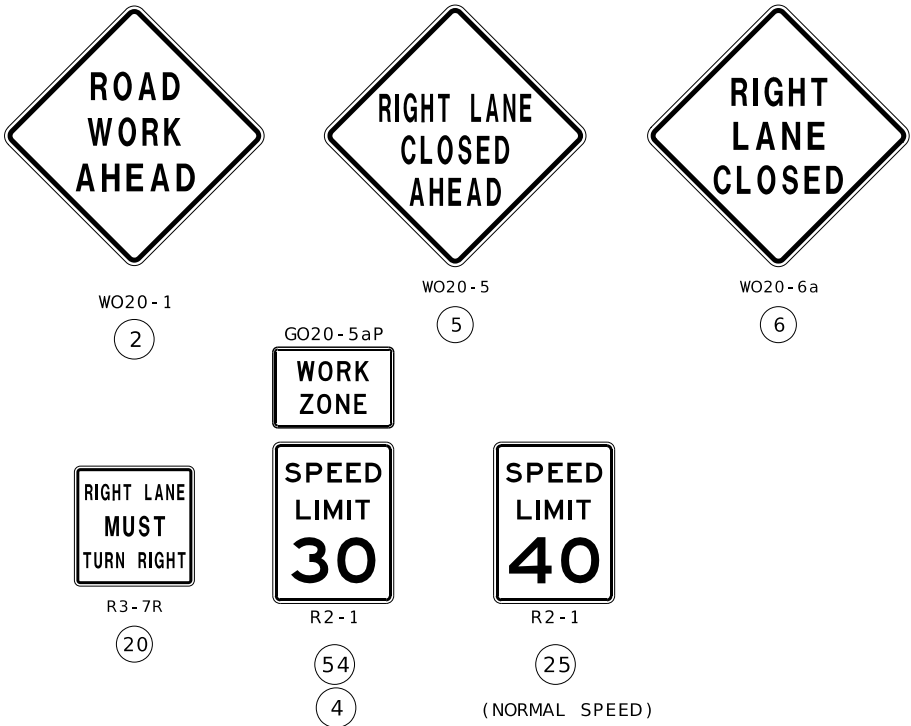
WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY (4)

RIGHT LANE CLOSURE AT INTERSECTION

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

- NOTES:
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.
- (3) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) TYPICAL APPLICATION ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH TRAFFIC TURNS RIGHT.
- (5) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.



NOT TO SCALE

STATE OF MISSOURI

PAUL JOSEPH KRONLAGE

NUMBER EN 023328

REGISTERED PROFESSIONAL ENGINEER

Paul J. Kronlage

10/14/2025 8:07:22 AM

Paul J. Kronlage - Civil

MO PE - 023328

DATE PREPARED

10/13/2025

ROUTE

D

STATE

MO

DISTRICT

SW

SHEET NO.

28

COUNTY

GREENE

JOB NO.

J8S3133

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)

MoDOT

EFK Moen

Civil Engineering Design

13523 Barrett Parkway Dr

Suite 250

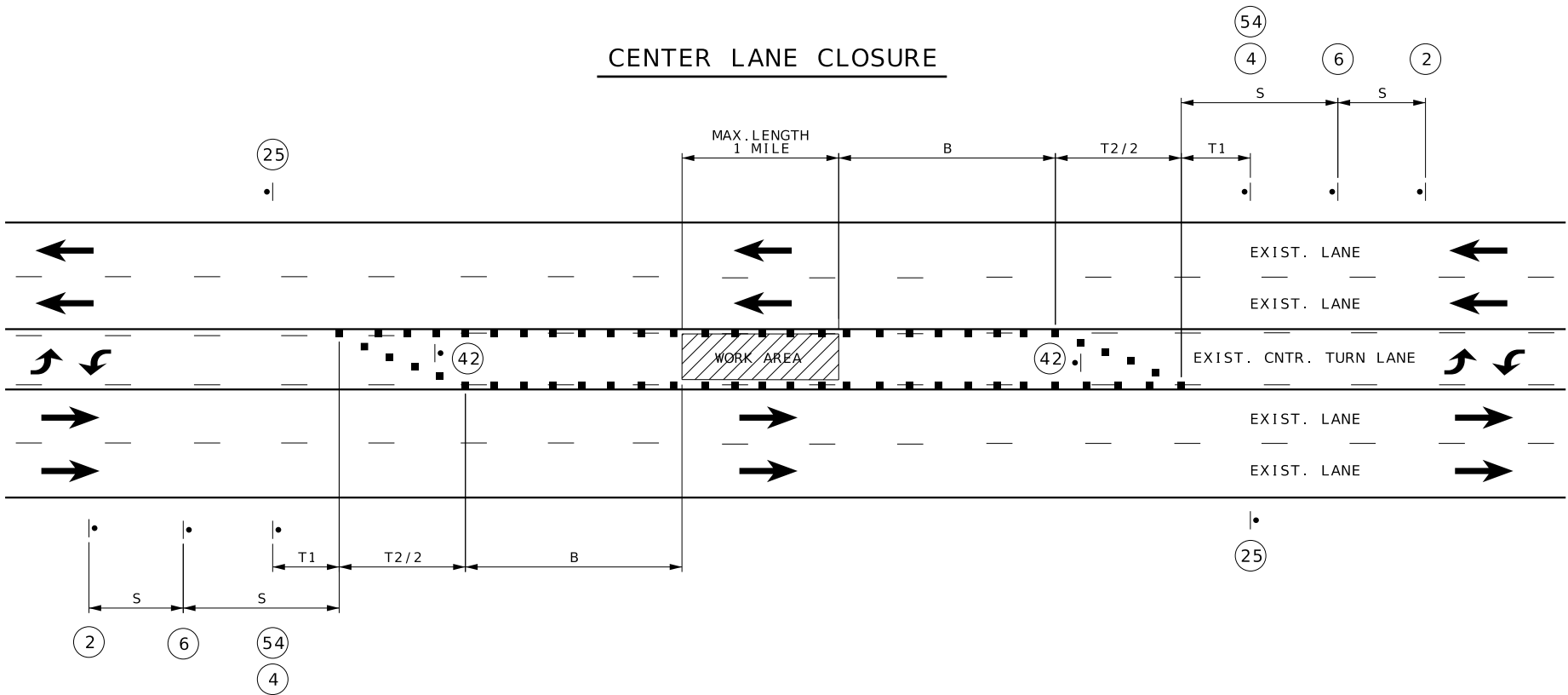
St. Louis, MO 63021

Phone 314-394-3100

Fax 314-394-3199

Missouri Certificate of Authority: 001578

028_TC_03_10_J8S3133_11_RIGHT_LANE_CLOSURE_AT_INTERSECTION.dgn 8:12:26 AM 10/13/2025



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

NOTES:

(1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.

(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



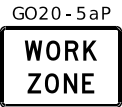
WO20-1
2



WO20-6a
6



R4-7a
42



R2-1



54
4



R2-1

25

(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 10



Paul J. Kronlage
10/14/2025 8:07:07 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED

10/13/2025

ROUTE STATE

D MO

DISTRICT SHEET NO.

SW 29

COUNTY

GREENE

JOB NO.

J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

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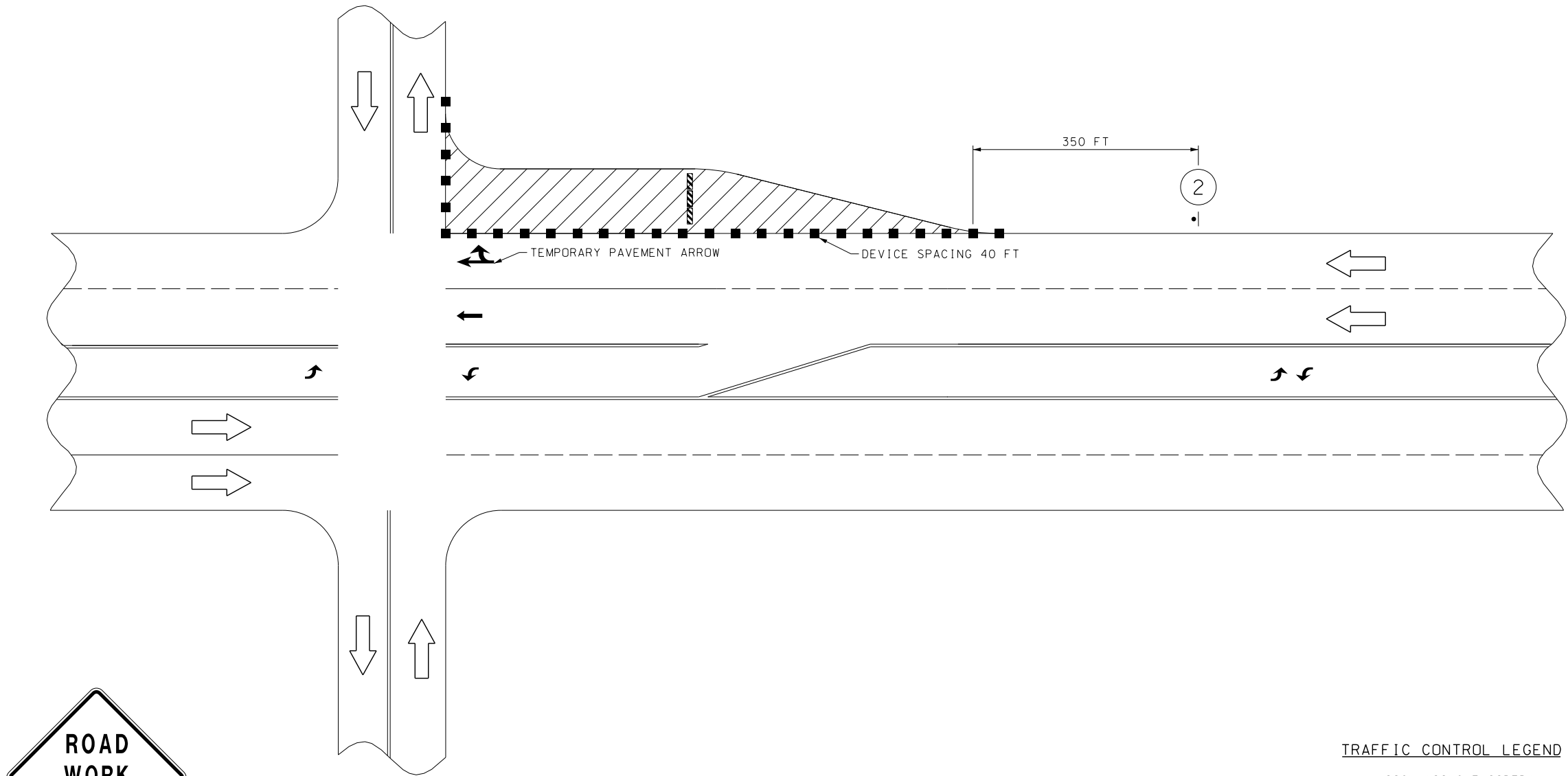
DATE

DESCRIPTION

DATE

RIGHT TURN LANE CLOSURE AT INTERSECTION

- GENERAL TCP NOTES:
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 - 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 - 3) THE CONTRACTOR SHALL NOT BE CLOSE SIDEWALKS OR CURB RAMP ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
 - 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMP, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- ▨ ADVANCED WARNING RAIL SYSTEM
- CHANNELIZER (TRIM LINE)
- ▤ ARROW PANEL
- WORK AREA
- ▨ TYPE 3 MOVABLE BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET 5 OF 10

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

Paul J. Kronlage
10/14/2025 8:06:49 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
30

COUNTY
GREENE

JOB NO.
J8S3133

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

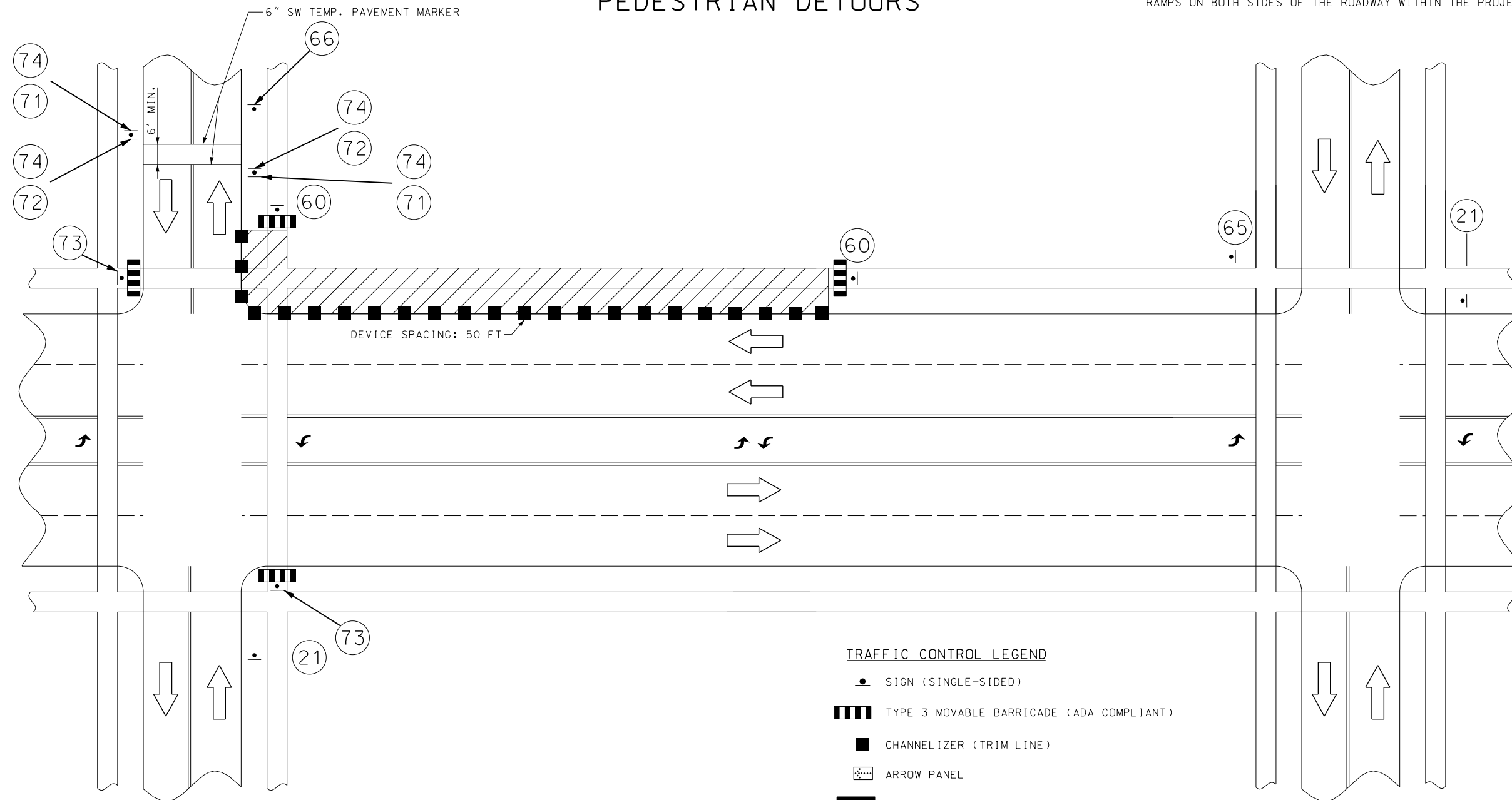
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

030_TC_05_10_J8S3133_11_RIGHT LANE CLOSED AT INTERSECTION_.dgn 8:10:29 AM 10/13/2025

CROSSWALK CLOSURE AND PEDESTRIAN DETOURS

GENERAL TCP NOTES:

- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED. NO DIRECT PAY.
- 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.



TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE-SIDED)
-  TYPE 3 MOVABLE BARRICADE (ADA COMPLIANT)
-  CHANNELIZER (TRIM LINE)
-  ARROW PANEL
-  WORK AREA
-  SIGN (DOUBLE-SIDED)



R9-11L
24"X18"



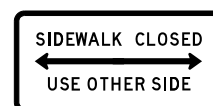
R9-11R
24"X18"



W16-7P-L
30"X18"



W16-7P-R
30"X18"



R9-10
24"X18"



W021-5
48"X48"



R9-9
24"X12"

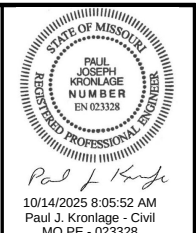


W11-2
48" X 48"



NOT TO SCALE

TRAFFIC CONTROL
SHEET 8 OF 10



DATE PREPARED	
10/13/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	33
COUNTY	
GREENE	
JOB NO.	
J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

EFK Moen
Civil Engineering Design

3523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

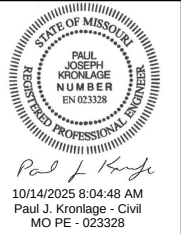
Phone 314/413-1100
Fax 314/413-1101
Missouri Certificate of Authority: 001578

NOTES:

- (1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.
- (2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.
- (3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

TEMPORARY EROSION CONTROL LEGEND

- (C) CURB INLET CHECK
- (A) ALTERNATE CHECK
- (R) ROCK DITCH CHECK
- TEMPORARY BERM
- SILT FENCE



DATE PREPARED	
10/13/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	37
COUNTY	
GREENE	
JOB NO.	
J853133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

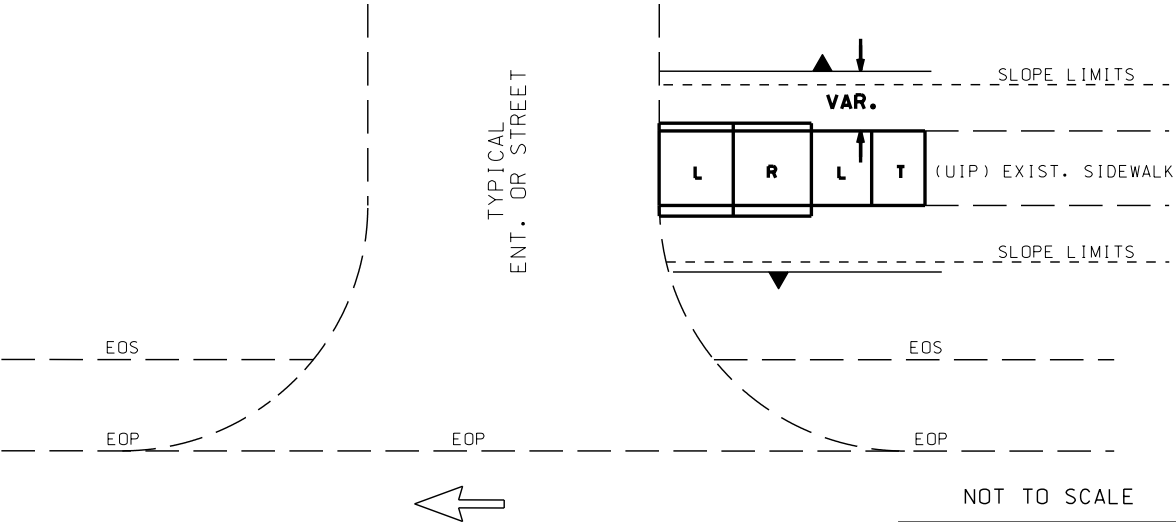
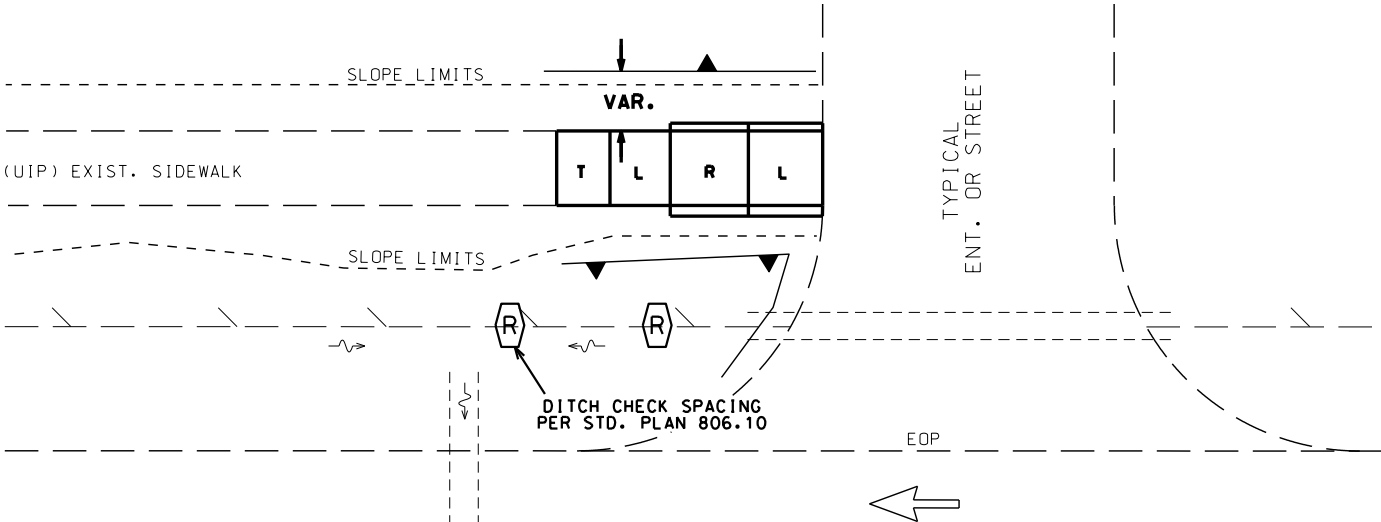
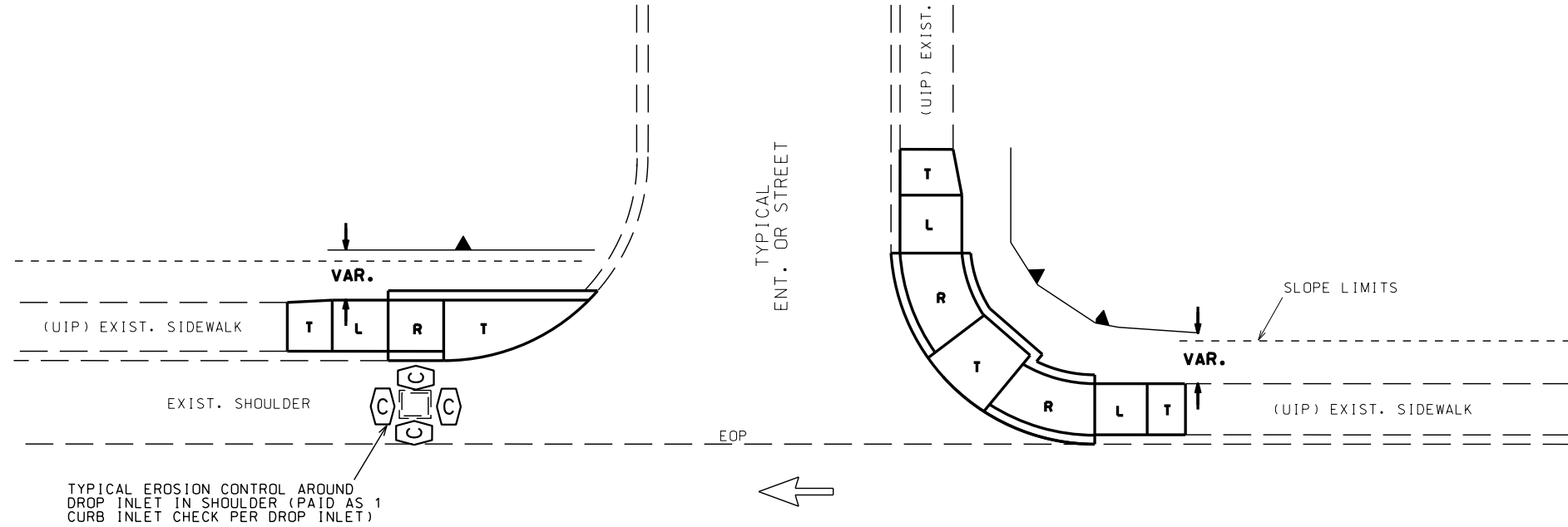
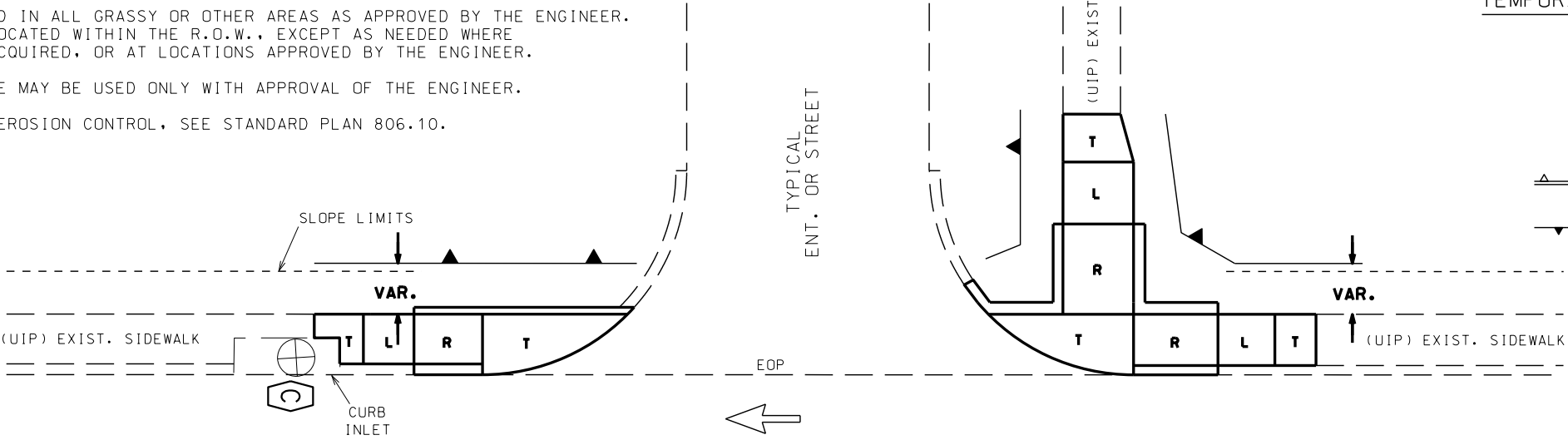
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS
FOR NEW CURB RAMP CONSTRUCTION

NOT TO SCALE

EROSION CONTROL
SHEET 2 OF 3

NOTES:

- (1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.
- (2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.
- (3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

TEMPORARY EROSION CONTROL LEGEND

- (C) CURB INLET CHECK
- (A) ALTERNATE CHECK
- (R) ROCK DITCH CHECK
- TEMPORARY BERM
- SILT FENCE



Paul J. Kronlage
10/14/2025 8:04:28 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 38

COUNTY GREENE

JOB NO. J853133

CONTRACT ID.

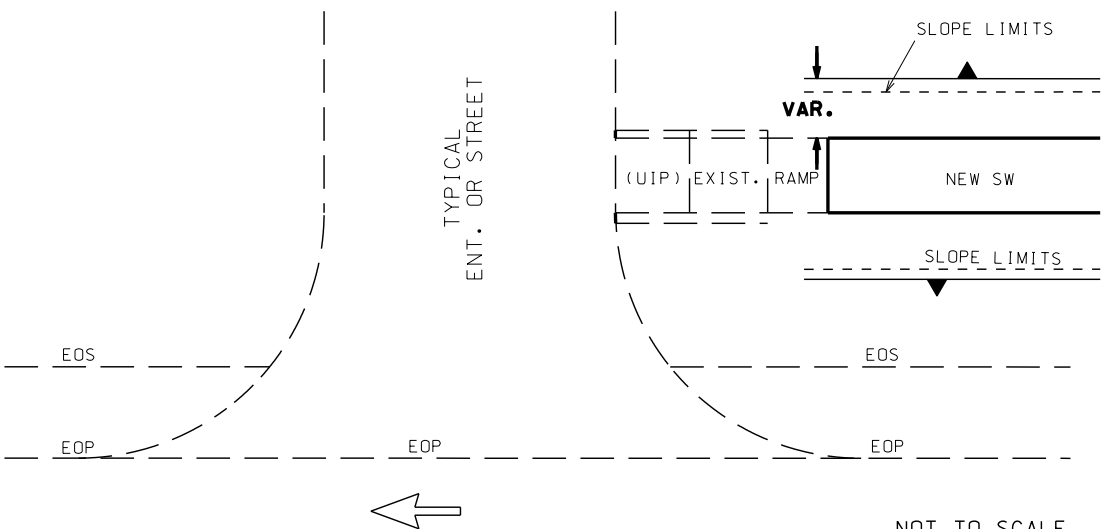
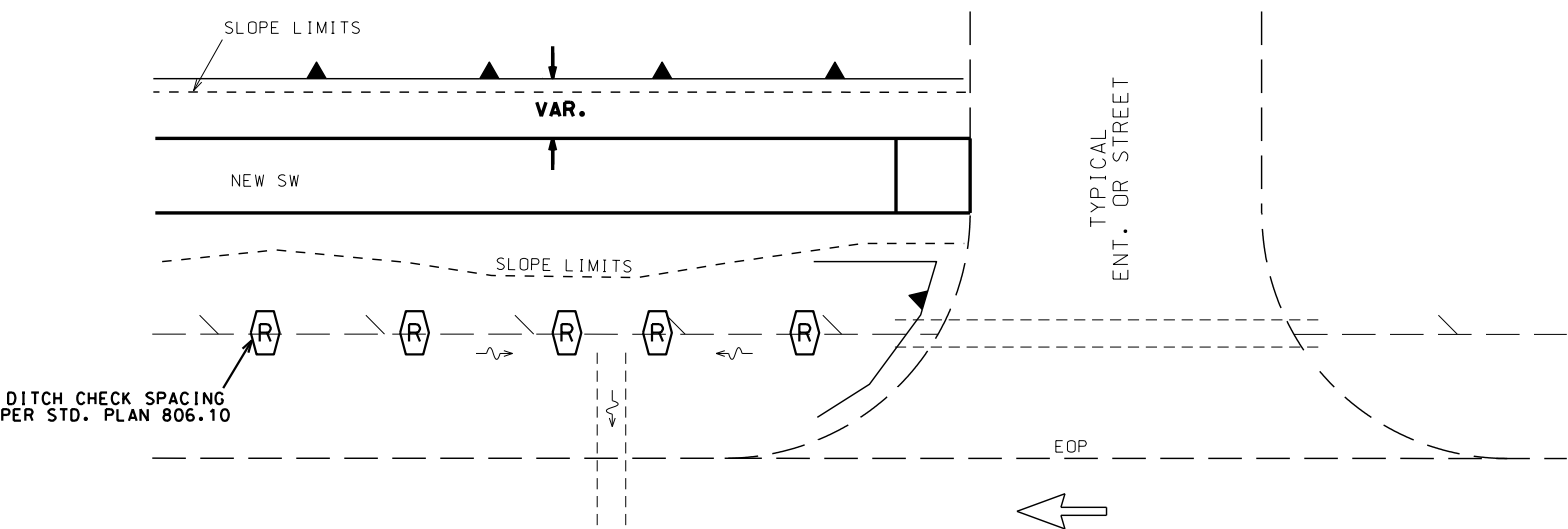
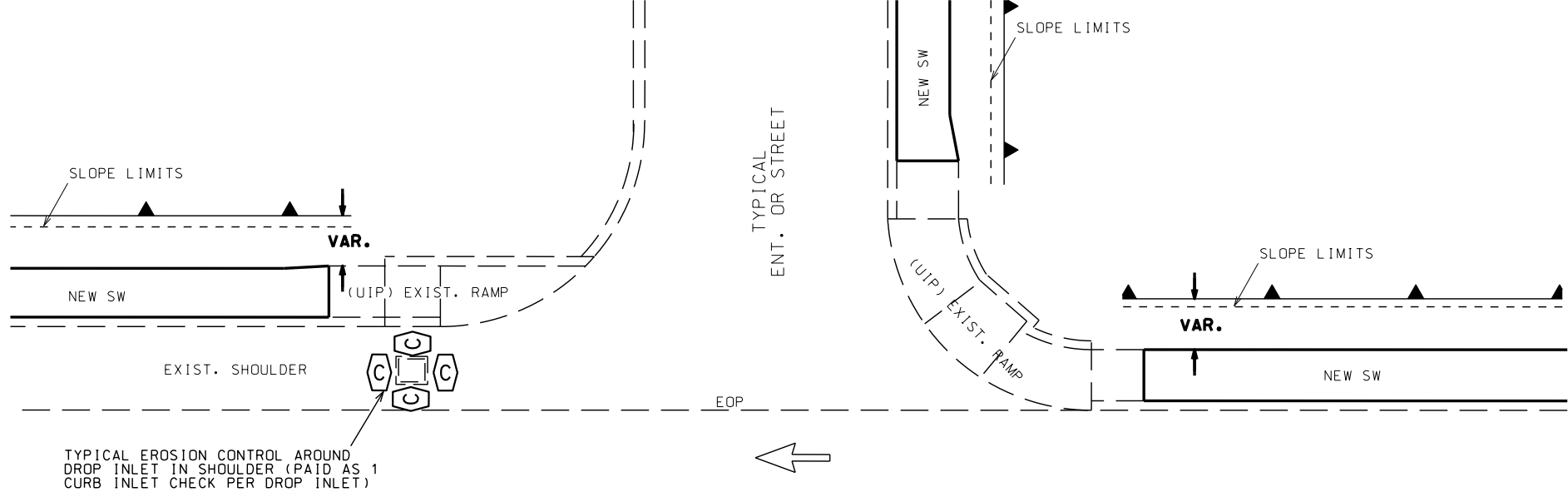
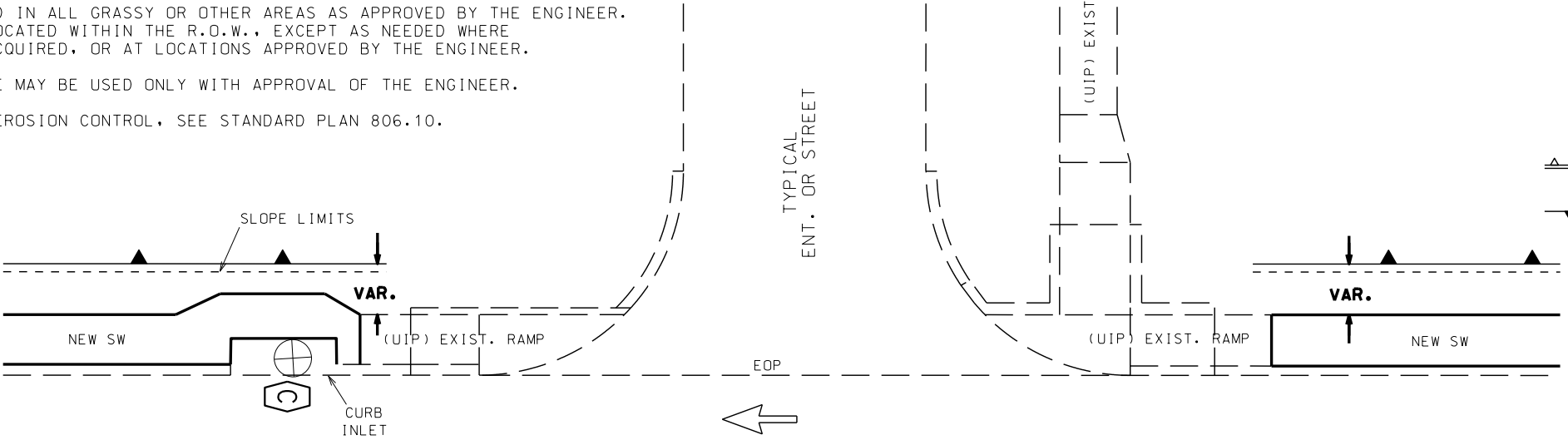
PROJECT NO.

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



NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS
FOR NEW SIDEWALK CONSTRUCTION

NOT TO SCALE

EROSION CONTROL
SHEET 3 OF 3

TRAFFIC SIGNALS LEGEND

CONTROLLER

CONTROLLER (EXISTING)

JUNCTION BOX

POWER SUPPLY

WOOD POST

SIGNAL HEAD (OPT LIM CONV)

SIGNAL HEAD (OPT LIM)

SIGNAL HEAD (PEDESTRIAN)

SIGNAL HEAD (STANDARD)

CCTV CAMERA

VIDEO DETECTOR

RADAR DETECTOR

WIRELESS RADIO (NEW)

PUSH BUTTON DETECTOR

PREFORMED PULL BOX TYPE 1

PREFORMED PULL BOX TYPE 2

CONCRETE PULL BOX TYPE 1

CONCRETE PULL BOX TYPE 2

ITS PULL BOX TYPE 2

ITS PULL BOX TYPE 5

MAST ARM (EXISTING)

PULL BOX (EXISTING)

DETECTOR WITH NUMBER

6 X 6 LOOP DETECTOR

6 X 15 LOOP DETECTOR

30 X 6 DETECTOR ZONE

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

CONDUIT TRENCHED

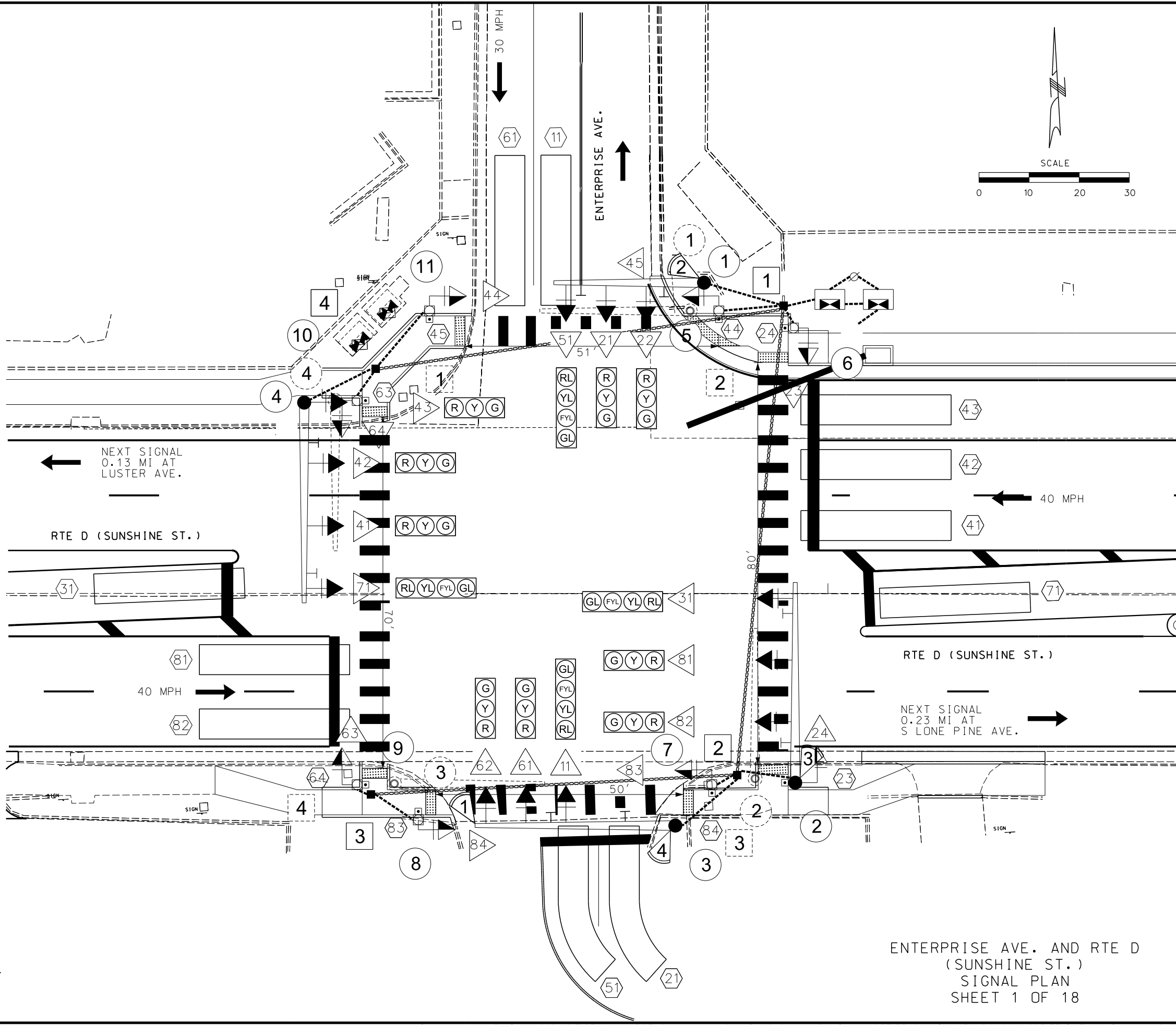
SPAN WIRE

MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE

NOTE: CONTRACTOR TO ENSURE CABINET IS INSTALLED SO THE DOORS OPEN AWAY FROM ROADWAY.



ENTERPRISE AVE. AND RTE D (SUNSHINE ST.)
SIGNAL PLAN
SHEET 1 OF 18

DATE PREPARED
10/13/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
39

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-0 Imps\Drawings_J8S3133 Sunshine\039_SIG_001_J8S3133_11_Enterprise.dgn 2:04:30 PM 10/13/2025

DATE PREPARED	
4/1/2026	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	40
COUNTY	
GREENE	
JOB NO.	
J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

ENTERPRISE AVE AND RTE D
(SUNSHINE ST.)
SIGNAL PLAN
SHEET 2 OF 18

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

D-37A

DATE PREPARED	
10/13/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	41

COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



ENTERPRISE AVE AND RTE D
(SUNSHINE ST.)
SIGNAL PLAN
SHEET 3 OF 18

D-37B

DATE PREPARED
10/13/2025

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 42

COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.

PROJECT NO.BRIDGE NO.[illegible]

TRANSPORTATION



MISSOURI HIGHWAYS AND
COMMISSION

JEFFERSON
1-888-ASK-MODOT

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

32 PM 10/13/2025* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

2070 OUTPUT FILE ASSIGNMENTS							MONITOR
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	
	RL	R	DW	RL	R	DW	
FR2	YL	Y	PH 1 L	YL	Y	PH 3 L	
	FYL	G	W	FYL	G	W	
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
	RL	R	DW	RL	R	DW	
FR4	YL	Y	PH 5 L	YL	Y	PH 7 L	
	FYL	G	W	FYL	G	W	

* NOTE: LEFT TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

*
*

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED RADAR DETECTION SYSTEM
1 EACH

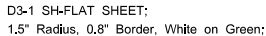
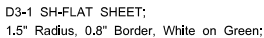


Table of letter and object lefts

E	n	t	e	r	p	r	i	s	e
5.7	12.3	18.3	22.6	29.0	33.4	40.0	44.4	47.1	52.2

A	v	e
63.3	68.8	74.2



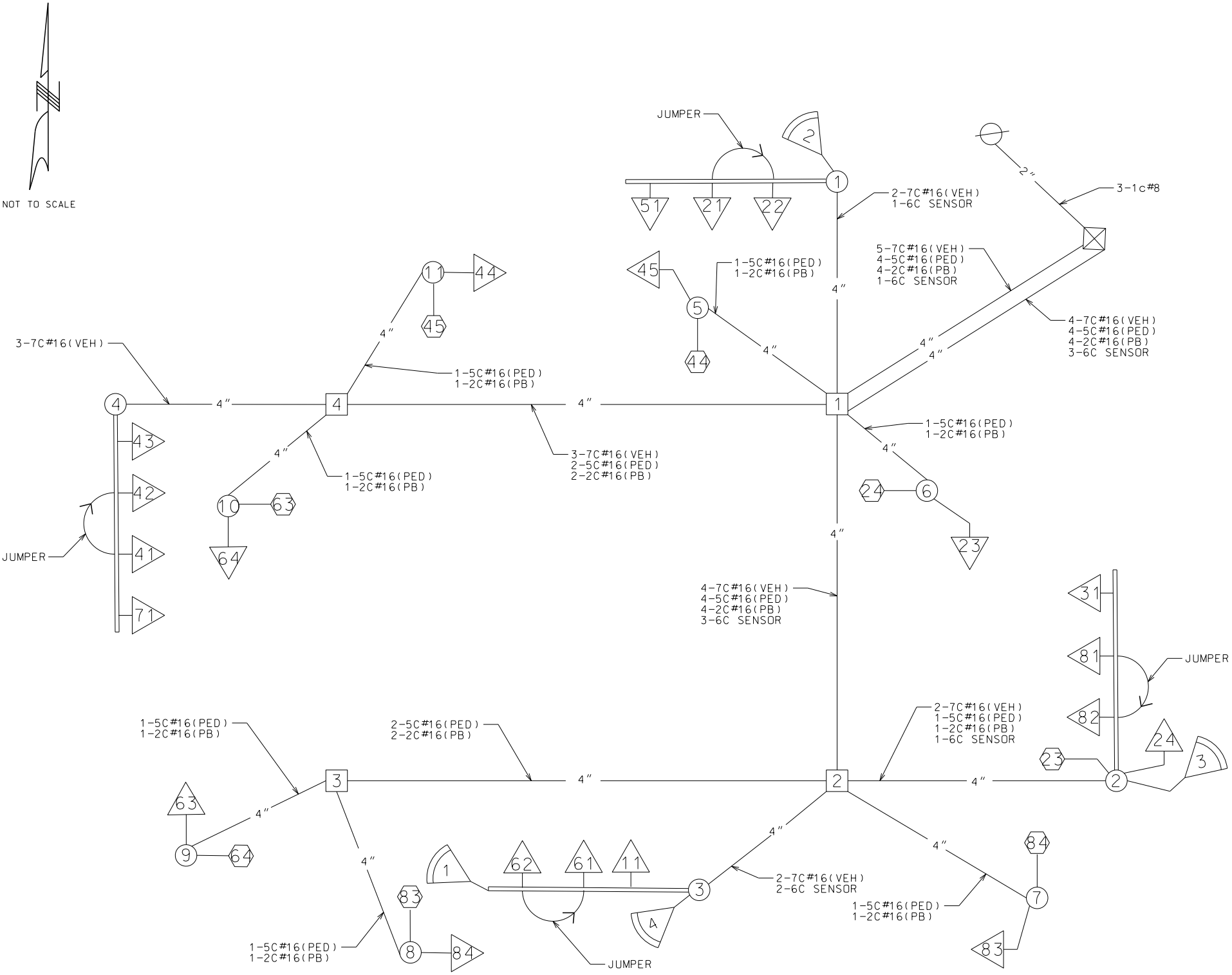
"Sunshine", C 2K; "St", C 2K;

Table of letter and object lefts

S	u	n	s	h	i	n	e	S	t
5.4	12.4	19.3	25.6	31.0	37.8	41.0	47.5	58.6	63.7

ENTERPRISE AVE AND RTE D
(SUNSHINE ST.)
SIGNAL PLAN
SHEET 4 OF 18

WIRING DIAGRAM



NOT TO SCALE

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L IC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X PULL BOX WITH NUMBER
- X POST WITH NUMBER
- X POST WITH MAST ARM
- X POST WITH MAST ARM AND LUMINAIRE
- X DETECTOR WITH NUMBER
- X SIGNAL HEAD WITH NUMBER
- X SIGNAL CONTROLLER
- X POWER SUPPLY
- X LIGHTING CONTROLLER
- X RADAR DETECTOR

ENTERPRISE AVE AND RTE D
(SUNSHINE ST.)
SIGNAL PLAN
SHEET 5 OF 18

D-37D



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 43
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC SIGNALS LEGEND

CONTROLLER

CONTROLLER
(EXISTING)

JUNCTION BOX

POWER SUPPLY

WOOD POST

SIGNAL HEAD
(OPT LIM CONV)

SIGNAL HEAD
(OPT LIM)

SIGNAL HEAD
(PEDESTRIAN)

SIGNAL HEAD
(STANDARD)

CCTV CAMERA

VIDEO DETECTOR

RADAR DETECTOR

WIRELESS RADIO (NEW)

PUSH BUTTON DETECTOR

PREFORMED PULL BOX TYPE 1

PREFORMED PULL BOX TYPE 2

CONCRETE PULL BOX TYPE 1

CONCRETE PULL BOX TYPE 2

ITS PULL BOX TYPE 2

ITS PULL BOX TYPE 5

MAST ARM (EXISTING)

PULL BOX (EXISTING)

DETECTOR WITH NUMBER

6 X 6 LOOP DETECTOR

6 X 15 LOOP DETECTOR

30 X 6 DETECTOR ZONE

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

CONDUIT TRENCHED

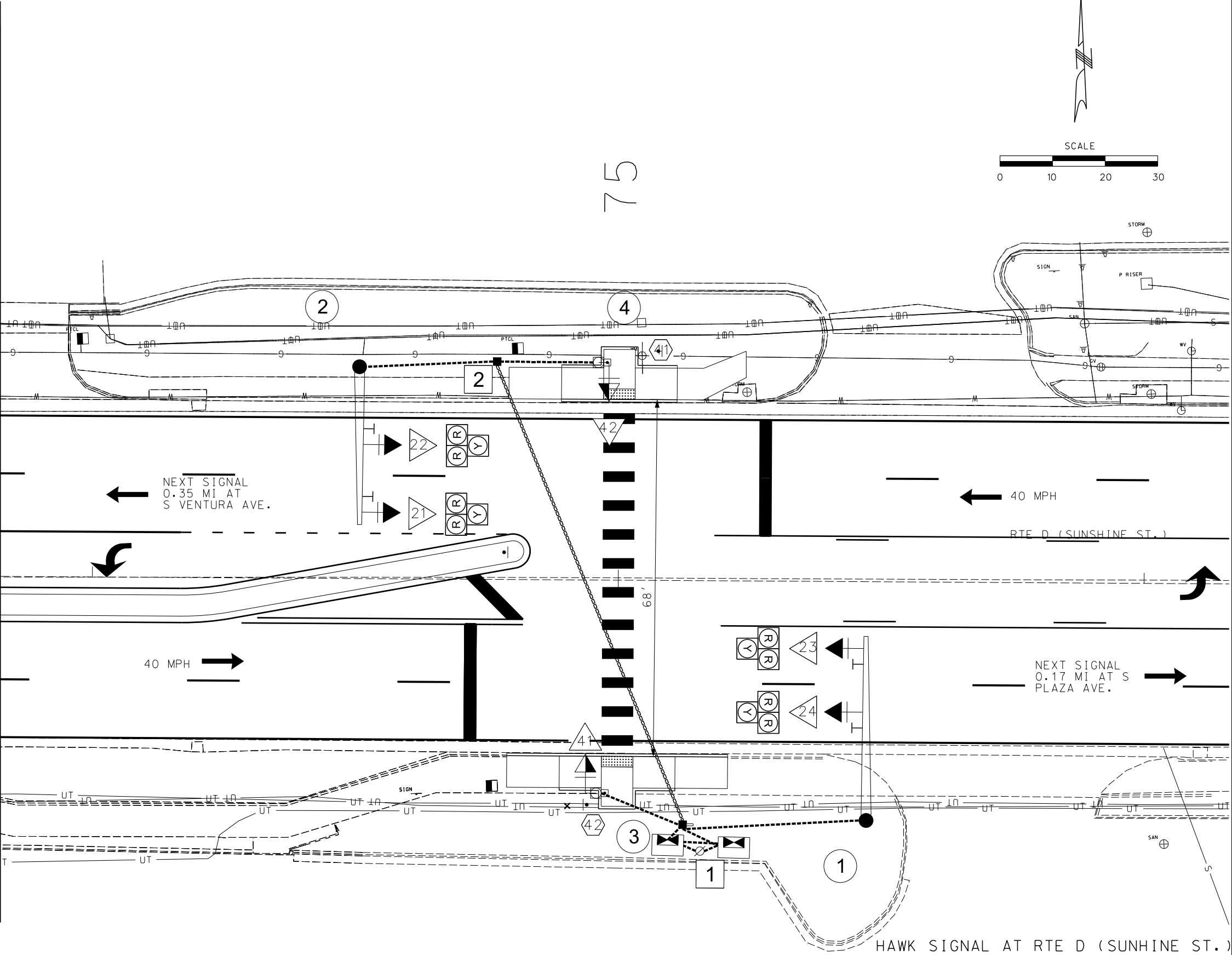
SPAN WIRE

MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE

NOTE: CONTRACTOR TO ENSURE CABINET IS INSTALLED SO THE DOORS OPEN AWAY FROM ROADWAY.



DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
45

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

[illegible]

REMARKS	
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.	
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.	
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.	
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.	
SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.	

D-37A

DATE PREPARED	
10/13/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	47
COUNTY	
GREENE	
JOB NO.	
J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

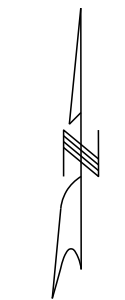
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

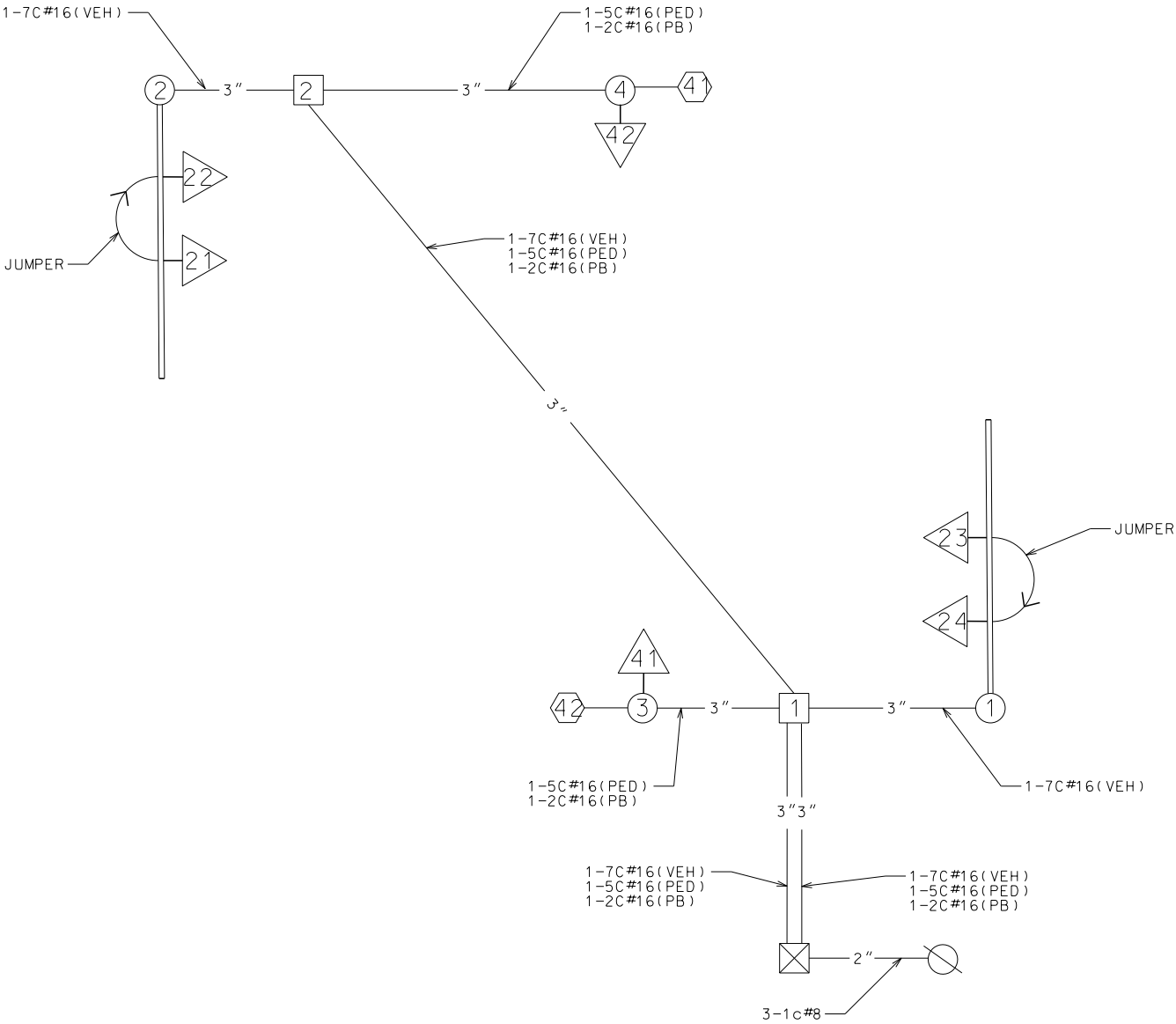


HAWK SIGNAL AT RTE D (SUNSHINE ST)
EAST OF WOODWARD AVE
SIGNAL PLAN
SHEET 9 OF 18

WIRING DIAGRAM



NOT TO SCALE



LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L IC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- X PULL BOX WITH NUMBER
- X POST WITH NUMBER
- X POST WITH MAST ARM
- X POST WITH MAST ARM AND LUMINAIRE
- X DETECTOR WITH NUMBER
- X SIGNAL HEAD WITH NUMBER
- X SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER

HAWK SIGNAL AT RTE D (SUNSHINE ST)
EAST OF WOODWARD AVE
SIGNAL PLAN
SHEET 11 OF 18

D-37D



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 49
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC SIGNALS LEGEND

CONTROLLER

CONTROLLER (EXISTING)

JUNCTION BOX

POWER SUPPLY

WOOD POST

SIGNAL HEAD (OPT LIM CONV)

SIGNAL HEAD (OPT LIM)

SIGNAL HEAD (PEDESTRIAN)

SIGNAL HEAD (STANDARD)

CCTV CAMERA

VIDEO DETECTOR

RADAR DETECTOR

WIRELESS RADIO (NEW)

PUSH BUTTON DETECTOR

PREFORMED PULL BOX TYPE 1

PREFORMED PULL BOX TYPE 2

CONCRETE PULL BOX TYPE 1

CONCRETE PULL BOX TYPE 2

ITS PULL BOX TYPE 2

ITS PULL BOX TYPE 5

MAST ARM (EXISTING)

PULL BOX (EXISTING)

DETECTOR WITH NUMBER

6 X 6 LOOP DETECTOR

6 X 15 LOOP DETECTOR

30 X 6 DETECTOR ZONE

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

CONDUIT TRENCHED

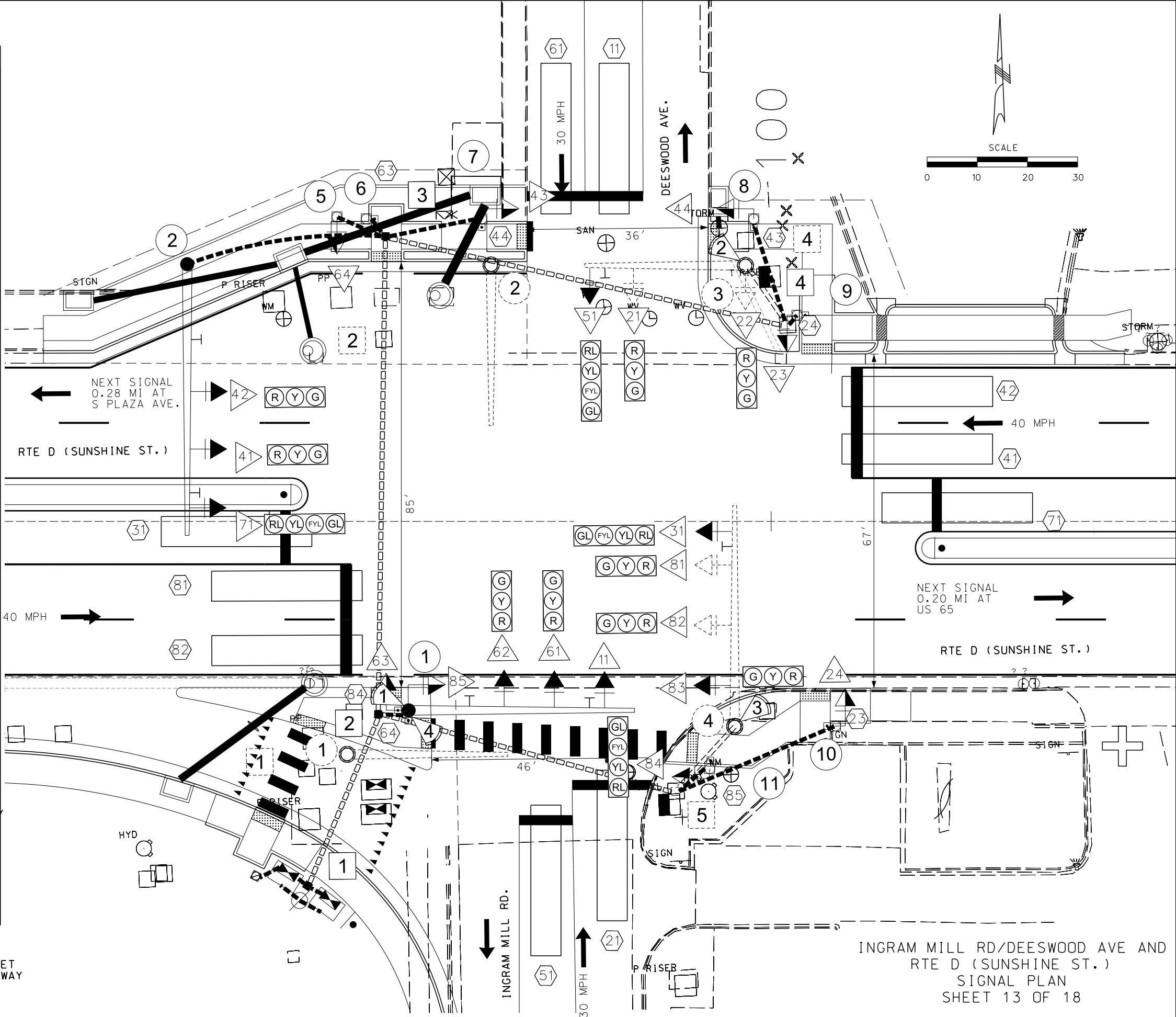
SPAN WIRE

MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE

NOTE: CONTRACTOR TO ENSURE CABINET IS INSTALLED SO THE DOORS OPEN AWAY FROM ROADWAY.



INGRAM MILL RD/DEESWOOD AVE AND
RTE D (SUNSHINE ST.)
SIGNAL PLAN
SHEET 13 OF 18

DATE PREPARED
10/13/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
51

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-0 Imps\Drawings\J8S3133 Sunshine\051_SIG_013_J8S3133_i1_Ingram Mill.dgn 2:04:43 PM 10/13/2025

[illegible]

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 53

COUNTY
GREENE
JOB NO.
J8S3133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MoDOT
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

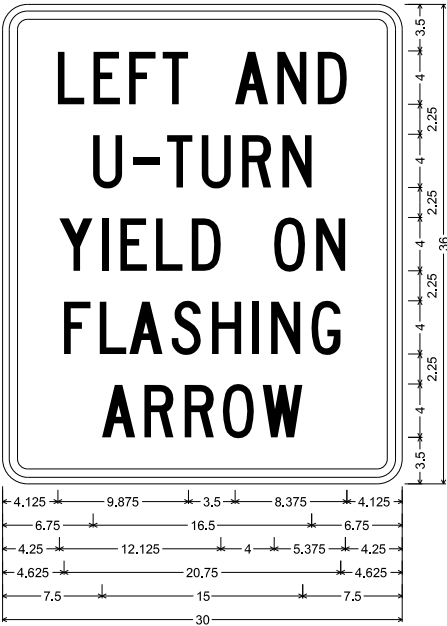


INGRAM MILL RD/DEESWOOD AVE
AND RTE D (SUNSHINE)
SIGNAL PLAN
SHEET 15 OF 18

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																						
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE					TIME CLOCK	NEMA CABINET TYPE			2070 CABINET TYPE		2070 SOFTWARE		
									12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP										FIBER
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	MASTER	LOCAL			NEMA	2070		E	EV	DOUBLE	332	336S	OMNI EX	
RTE D (SUNSHINE ST.)	99+12.17	75.40' RT.				1												1		1		

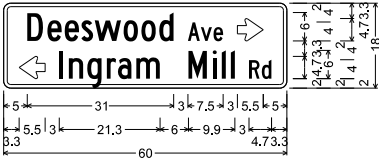
SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	D3-1	72 X 18	9.00	9.00	1
1	D3-1	60 X 18	7.50	7.50	1
3	R10-27A	30 X 36	7.50	22.50	3
4	R10-3eR	9 X 15	1.00	4.00	4
4	R10-3eL	9 X 15	1.00	4.00	4
1	SS-1	30 X 36	7.50	7.50	1
SUBTOTAL				46.50	6
TOTAL				46.50	6

CONTRACTOR FURNISHED. CONTRACTOR INSTALLED RADAR DETECTION SYSTEM
1 EACH



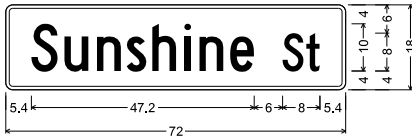
SS-1 SH-FLAT SHEET:
1.875" Radius, 0.625" Border, 0.500" Indent, Black on, White;
"LEFT AND", C; "U-TURN", C; "YIELD ON", C;
"FLASHING", C; "ARROW", C;
Table of letter and object lefts

L	E	F	T	A	N	D
4.125	6.875	9.500	12.000	17.500	20.625	23.625
U	-	T	U	R	N	
6.750	9.875	12.250	15.000	18.000	21.000	
Y	I	E	L	D	O	N
4.250	7.500	8.875	11.500	14.250	20.375	23.500
F	L	A	S	H	I	G
4.625	7.250	9.500	12.750	15.750	18.750	20.125 23.250
A	R	R	O	W		
7.500	10.625	13.625	16.500	19.500		



D3-1 SH-FLAT SHEET:
1.5" Radius, 0.8" Border, White on Green;
"Deeswood", C 2K; "Ave", C 2K;
Standard Arrow Custom 5.5" X 4.7" 0";
Standard Arrow Custom 5.5" X 4.7" 180";
"Ingram Mill", C 2K; "Rd", C 2K;
Table of letter and object lefts

D	e	e	s	w	o	o	d
5.0	9.3	12.9	16.5	19.3	25.4	29.2	33.0
A	v	e					
39.0	41.8	44.5	49.5				
I	n	g	r	a	m		
3.3	11.8	13.8	17.7	21.9	24.2	28.1	
M	i	i	i	R	d		
39.1	44.3	46.2	48.1	52.0	54.7		



D3-1 SH-FLAT SHEET:
1.5" Radius, 0.8" Border, White on Green;
"Sunshine", C 2K; "St", C 2K;
Table of letter and object lefts

S	u	n	s	h	i	n	e	s	t
5.4	12.4	19.3	25.6	31.0	37.8	41.0	47.5	58.6	63.7

POWER SUPPLY													
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL		SERVICE POLE		
					CONTROLLER		POWER SUPPLY DISCONNECT		(ON POWER SUPPLY)		CONTRACT FURNISH	UTILITY COMPANY	
APPROACH	STATION	OFFSET	DRAWING	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CNTRL CABINET	MAIN BREAKER			
			902.15					SIGNALS			LIGHTING		
RTE D (SUNSHINE ST.)	99+04.63	76.33' RT.	Type 2		15 Amps	40 Amps	40 Amps						

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR*
			INDUCTION LOOP (2)	DELAY/ EXTEND	CALL UNIT	
23	NB @ WB SUNSHINE ST.	1				
24	SB @ WB SUNSHINE ST.	1				
43	WB @ NB INGRAM MILL RD.	1				
44	EB @ NB INGRAM MILL RD.	1				
63	SB @ EB SUNSHINE ST.	1				
64	NB @ EB SUNSHINE ST.	1				
84	EB @ SB DEESWOOD AVE.	1				
85	WB @ SB DEESWOOD AVE.	1				
1	EB					1
2	SB					1
3	WB					1
4	NB					1
SUBTOTALS		8				4
TOTALS		8				4

2070 INPUT FILE ASSIGNMENTS															
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	U	Ø1	Ø2			Ø3	Ø4					Ø23	Ø63		
	L											Ø43	Ø84		
"J"	U	Ø5	Ø6			Ø7	Ø8					Ø44	Ø85		
	L														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (4)

2070 OUTPUT FILE ASSIGNMENTS						
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED
	RL	R	DW	RL	R	DW
FR2	YL	Y	PH 1 L	YL	Y	PH 3 L
	FYL	G	W	FYL	G	W
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED
	RL	R	DW	RL	R	DW
FR4	YL	Y	PH 5 L	YL	Y	PH 7 L
	FYL	G	W	FYL	G	W
MONITOR						

* NOTE: LEFT TURN "L" SHALL BE WIRED
INTO PEDESTRIAN AMBER IN LOAD SWITCH

INGRAM MILL RD/DEESWOOD AVE
AND RTE D (SUNSHINE)
SIGNAL PLAN
SHEET 16 OF 18



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 54
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

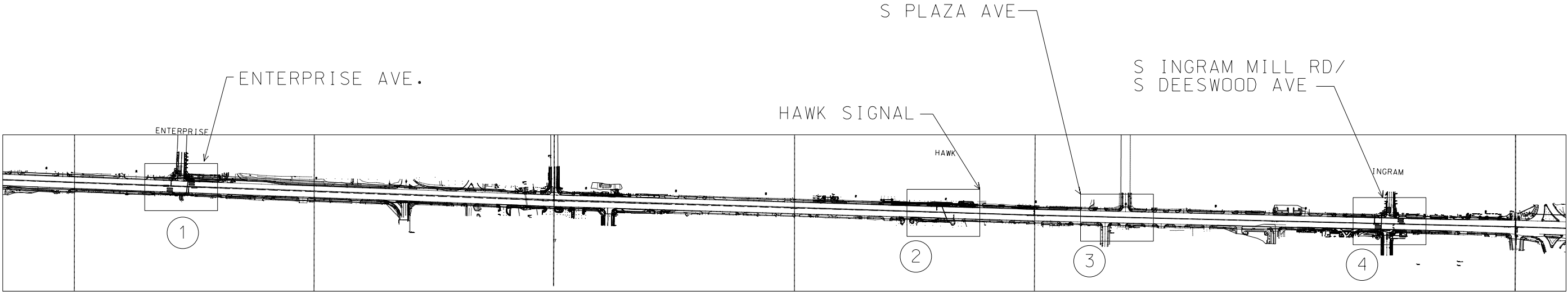


GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

- RTE D (SUNSHINE AVE.)
- ① RTE D (SUNSHINE ST) AT ENTERPRISE AVE
 - ② RTE D (SUNSHINE ST) AT HAWK 1
 - ③ RTE D (SUNSHINE ST) AT INGRAM MILL RD/DEESWOOD AVE
 - ④ RTE D (SUNSHINE ST) AT US 65



RTE D (SUNSHINE ST.)
ITS STRIP MAP
SHEET 1 OF 11



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 57
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

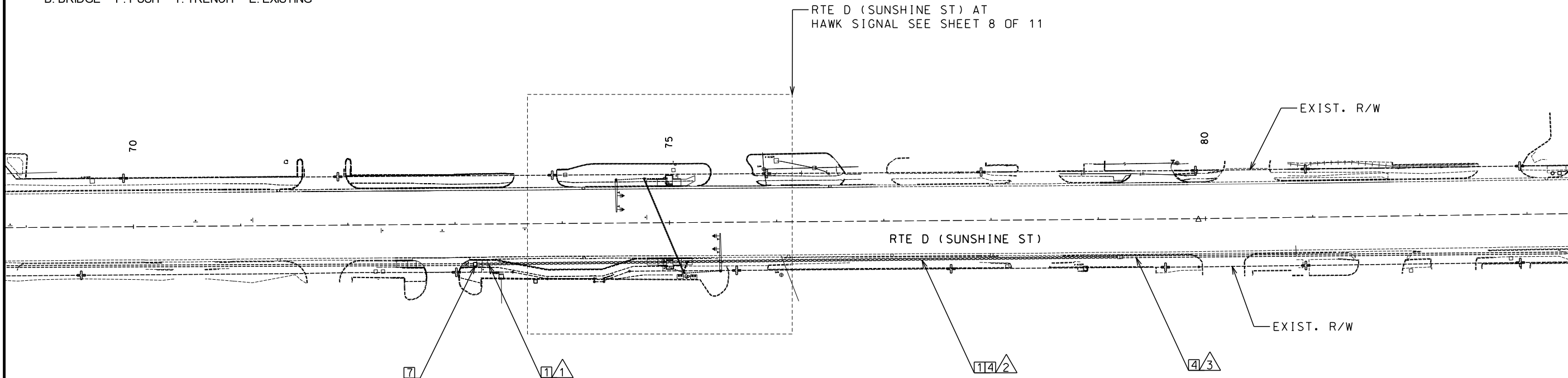
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PROPOSED CONDUIT AND CONDUCTOR SCHEDULE				
CONDUIT	RUN NUMBER	1	2	3
	SIZE (INCHES)	2"	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	P	P	E
	NO. OF CONDUITS	1	1	1
CABLE	LENGTH OF RUN (FT)	200	400	420
	DESCRIPTION			
	12SMF/12MMF		1	1
	CAT 6			
	#14	1	1	1
#6 XHHW	120V POWER HOT			
	120V POWER COMMON			
#6 BARE	BARE BOND GROUND			

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING



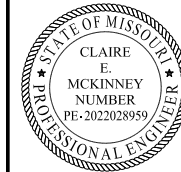
CONSTRUCTION NOTES:

- FURNISH AND INSTALL NEW CONDUIT (PUSHED).
- FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
- FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S). 24 FIBER (12 SINGLE MODE/12 MM) WITH (1) #14 TRACER WIRE.
- FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
- PULL EXISTING FIBER OPTIC CABLE TO EXISTING PULL BOX AND REROUTE THROUGH PROPOSED CONDUIT TO PROPOSED ITS CABINET AT HAWK SIGNAL.

LEGEND:

- PROPOSED ITS CABINET
- PROPOSED ITS GROUND BOX (TYPE 2)
- PROPOSED ITS GROUND BOX (TYPE 5)
- PROPOSED TRAFFIC GROUND BOX (TYPE 2)
- EXISTING ITS CABINET
- EXISTING TRAFFIC GROUND BOX
- EXISTING ITS CONDUIT
- PROPOSED ITS CONDUIT (TRENCHED)
- PROPOSED ITS CONDUIT (PUSHED)
- PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
- CONDUIT RUN NUMBER

RTE D (SUNSHINE ST)
ITS LAYOUT
SHEET 4 OF 11



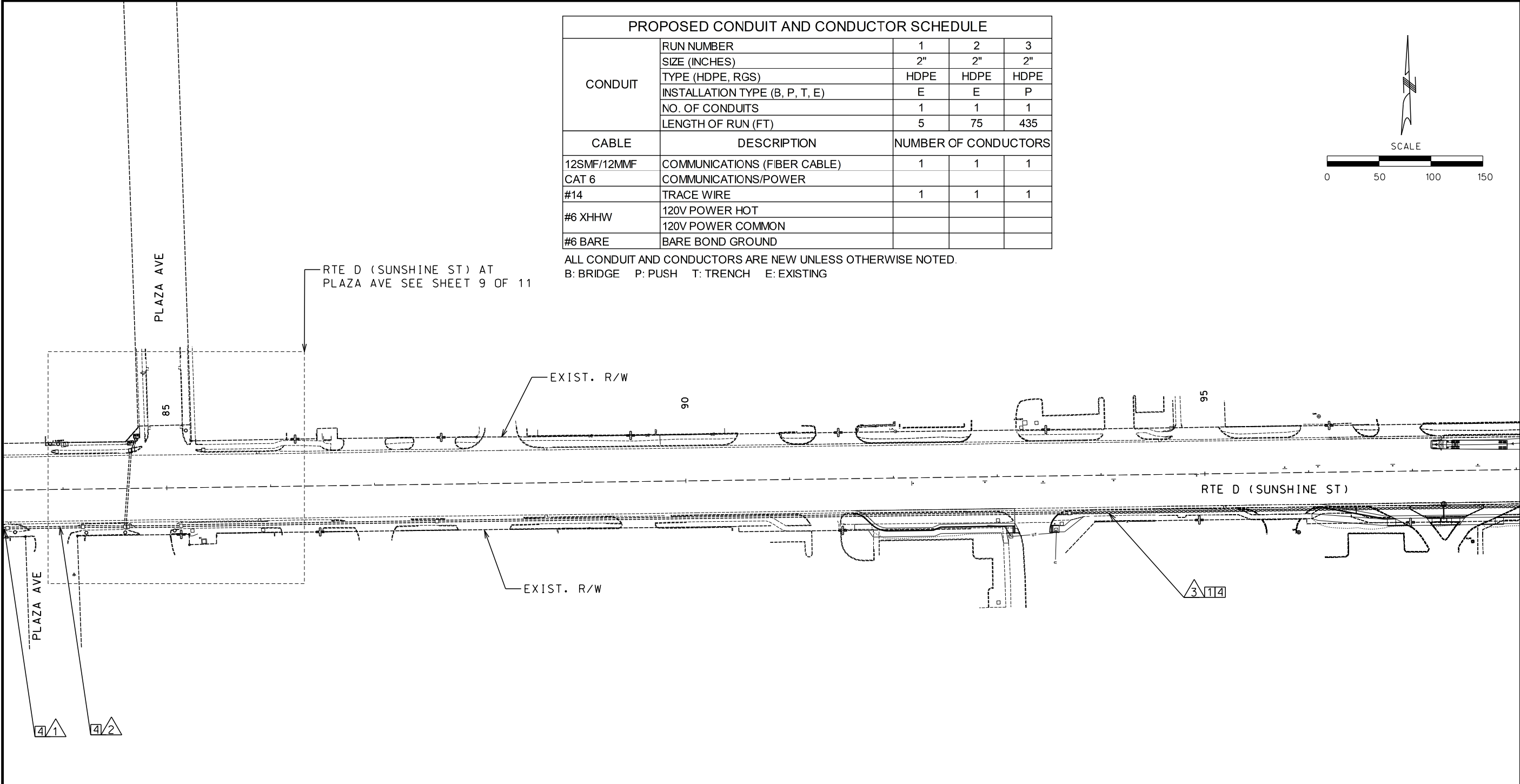
DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 60
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



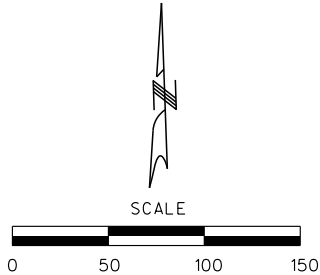
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





PROPOSED CONDUIT AND CONDUCTOR SCHEDULE				
CONDUIT	RUN NUMBER	1	2	3
	SIZE (INCHES)	2"	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	E	E	P
	NO. OF CONDUITS	1	1	1
	LENGTH OF RUN (FT)	5	75	435
CABLE	DESCRIPTION	NUMBER OF CONDUCTORS		
12SMF/12MMF	COMMUNICATIONS (FIBER CABLE)	1	1	1
CAT 6	COMMUNICATIONS/POWER			
#14	TRACE WIRE	1	1	1
#6 XHHW	120V POWER HOT			
	120V POWER COMMON			
#6 BARE	BARE BOND GROUND			

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING



- CONSTRUCTION NOTES:
- FURNISH AND INSTALL NEW CONDUIT (PUSHED).
 - FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
 - FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
 - FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S), 24 FIBER (12 SINGLE MODE/12 MULTI MODE) WITH (1) #14 TRACER WIRE.
 - FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
 - INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
 - PULL EXISTING FIBER OPTIC CABLE TO EXISTING PULL BOX AND REROUTE THROUGH PROPOSED CONDUIT TO PROPOSED ITS CABINET AT INGRAM MILL RD.

- LEGEND:
- PROPOSED ITS CABINET
 - PROPOSED ITS GROUND BOX (TYPE 2)
 - PROPOSED ITS GROUND BOX (TYPE 5)
 - PROPOSED TRAFFIC GROUND BOX (TYPE 2)
 - EXISTING ITS CABINET
 - EXISTING TRAFFIC GROUND BOX
 - EXISTING ITS CONDUIT
 - PROPOSED ITS CONDUIT (TRENCHED)
 - PROPOSED ITS CONDUIT (PUSHED)
 - PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
 - CONDUIT RUN NUMBER

RTE D (SUNSHINE ST)
ITS LAYOUT
SHEET 5 OF 11

STATE OF MISSOURI
CLAIRE E. MCKINNEY
NUMBER
PE-2022028950
PROFESSIONAL ENGINEER

DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
61

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

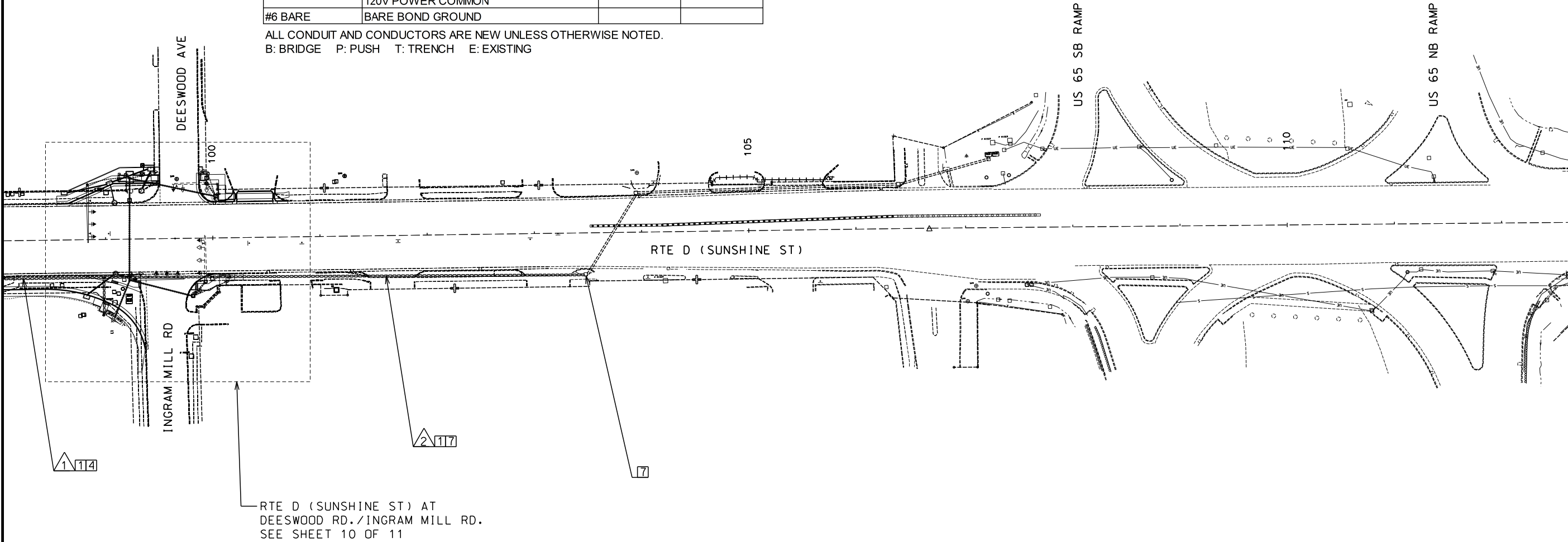
GARVER

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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PROPOSED CONDUIT AND CONDUCTOR SCHEDULE			
CONDUIT	RUN NUMBER	1	2
	SIZE (INCHES)	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	P	P
	NO. OF CONDUITS	1	1
CABLE	LENGTH OF RUN (FT)	95	450
	DESCRIPTION	NUMBER OF CONDUCTORS	
	12SMF/12MMF	COMMUNICATIONS (FIBER CABLE)	1
	CAT 6	COMMUNICATIONS/POWER	
	#14	TRACE WIRE	1
#6 XHHW	120V POWER HOT		
	120V POWER COMMON		
#6 BARE	BARE BOND GROUND		

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING



- CONSTRUCTION NOTES:
- 1 FURNISH AND INSTALL NEW CONDUIT (PUSHED).
 - 2 FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
 - 3 FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
 - 4 FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S), 24 FIBER (12 SINGLE MODE/12 MULTI MODE) WITH (1) #14 TRACER WIRE.
 - 5 FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
 - 6 INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
 - 7 PULL EXISTING FIBER OPTIC CABLE TO EXISTING PULL BOX AND REROUTE THROUGH PROPOSED CONDUIT TO PROPOSED ITS CABINET AT INGRAM MILL RD.

- LEGEND:
- PROPOSED ITS CABINET
 - PROPOSED ITS GROUND BOX (TYPE 2)
 - PROPOSED ITS GROUND BOX (TYPE 5)
 - PROPOSED TRAFFIC GROUND BOX (TYPE 2)
 - EXISTING ITS CABINET
 - EXISTING TRAFFIC GROUND BOX
 - EXISTING ITS CONDUIT
 - PROPOSED ITS CONDUIT (TRENCHED)
 - PROPOSED ITS CONDUIT (PUSHED)
 - PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
 - CONDUIT RUN NUMBER

RTE D (SUNSHINE ST)
ITS LAYOUT
SHEET 6 OF 11

DATE PREPARED
10/13/2025

ROUTE
D

DISTRICT
SW

STATE
MO

SHEET NO.
62

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

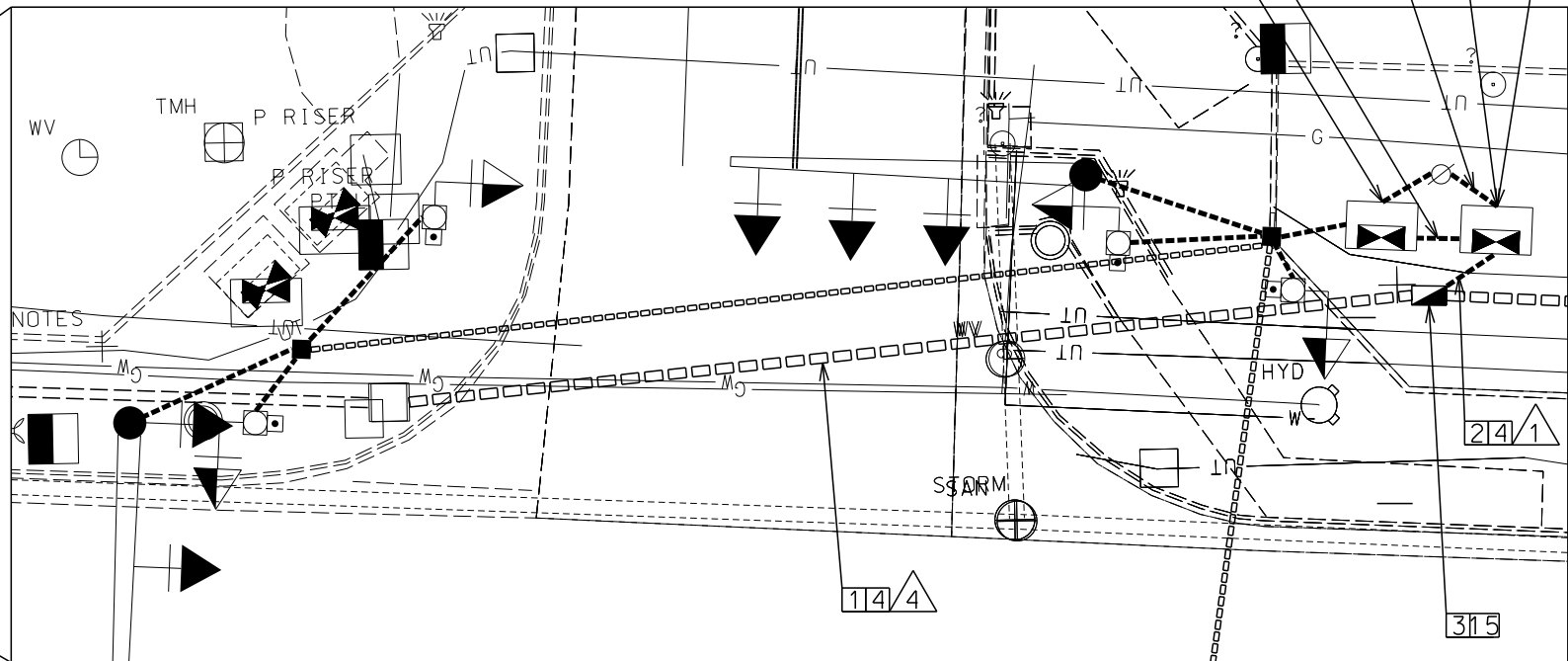
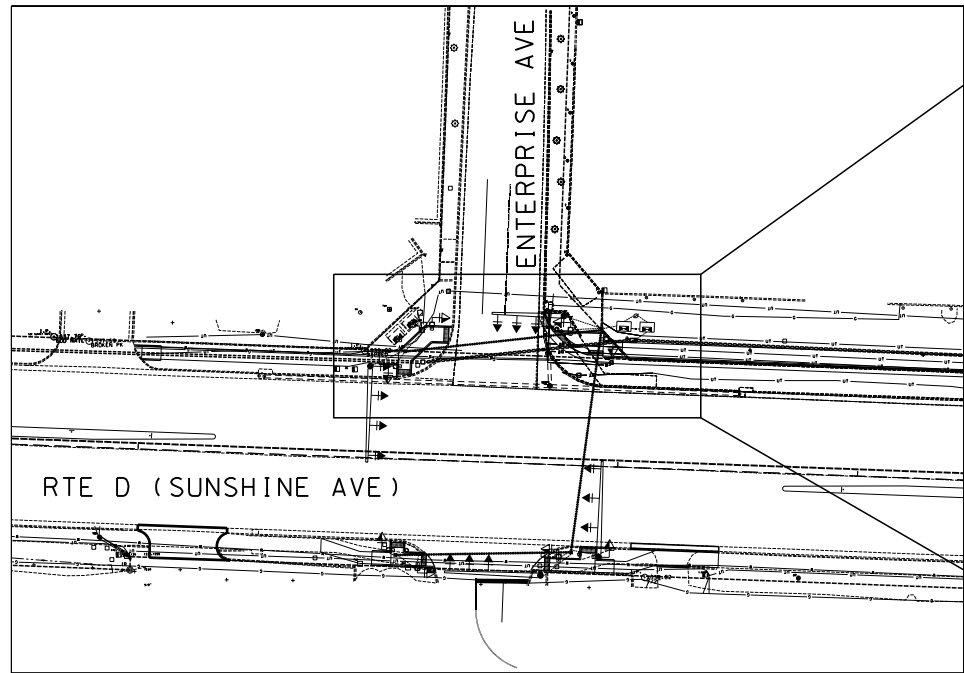
PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



CONSTRUCTION NOTES:

- FURNISH AND INSTALL NEW CONDUIT (PUSHED).
- FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
- FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S), 24 FIBER (12 SINGLE MODE/12 MULTI MODE) WITH (1) #14 TRACER WIRE.
- FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
- FURNISH AND INSTALL NEW CAT6 ETHERNET CABLE(S) PER CONDUIT SCHEDULE. PROTECT ALL EXISTING CONDUCTORS/CABLE IN PLACE UNLESS DIRECTED OTHERWISE.
- FURNISH AND INSTALL 3-1C, 6 AWG (POWER)
- FURNISH AND INSTALL ONE (1) 48-PORT FIBER DISTRIBUTION UNIT AND ASSOCIATED SPLICE TRAYS IN EXISTING CABINET. COMPLETE ALL CONNECTIONS FOR INTENDED OPERATIONS INCLUDING PIGTAILS AND FIBER OPTIC JUMPERS.
- FUSION SPLICE APPLICABLE STRANDS OF FIBER OPTIC CABLE. SEE PROVIDED FIBER ASSIGNMENTS FOR DETAILS.
- FURNISH AND INSTALL ETHERNET SWITCH. FURNISH AND INSTALL CAT6 CABLES FOR SUPPORTED DEVICES. COMPLETE CONNECTIONS FOR INTENDED OPERATION.
- COIL 100' (FT) OF SLACK FIBER OPTIC CABLE FOR EACH MAINLINE CABLE.

LEGEND:

- PROPOSED ITS CABINET
- PROPOSED ITS GROUND BOX (TYPE 2)
- PROPOSED ITS GROUND BOX (TYPE 5)
- PROPOSED TRAFFIC GROUND BOX (TYPE 2)
- EXISTING ITS CABINET
- EXISTING TRAFFIC GROUND BOX
- POWER SUPPLY
- EXISTING ITS CONDUIT
- PROPOSED ITS CONDUIT (TRENCHED)
- PROPOSED ITS CONDUIT (PUSHED)
- PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
- CONDUIT RUN NUMBER

PROPOSED CONDUIT AND CONDUCTOR SCHEDULE

CONDUIT	RUN NUMBER	1	2	3	4
	SIZE (INCHES)	2"	2"	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	T	T	T	P
	NO. OF CONDUITS	1	1	1	1
	LENGTH OF RUN (FT)	10	10	10	90
CABLE	DESCRIPTION	NUMBER OF CONDUCTORS			
12 SMF/12 MMF	COMMUNICATIONS (FIBER CABLE)	1			1
CAT 6	COMMUNICATIONS/POWER			3	
#14	TRACE WIRE	1		1	1
#6 XHHW	120V POWER HOT		1		
	120V POWER COMMON		1		
#6 BARE	BARE BOND GROUND		1		

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING

RTE D (SUNSHINE ST)
ENTERPRISE AVE ITS PLAN
SHEET 7 OF 11



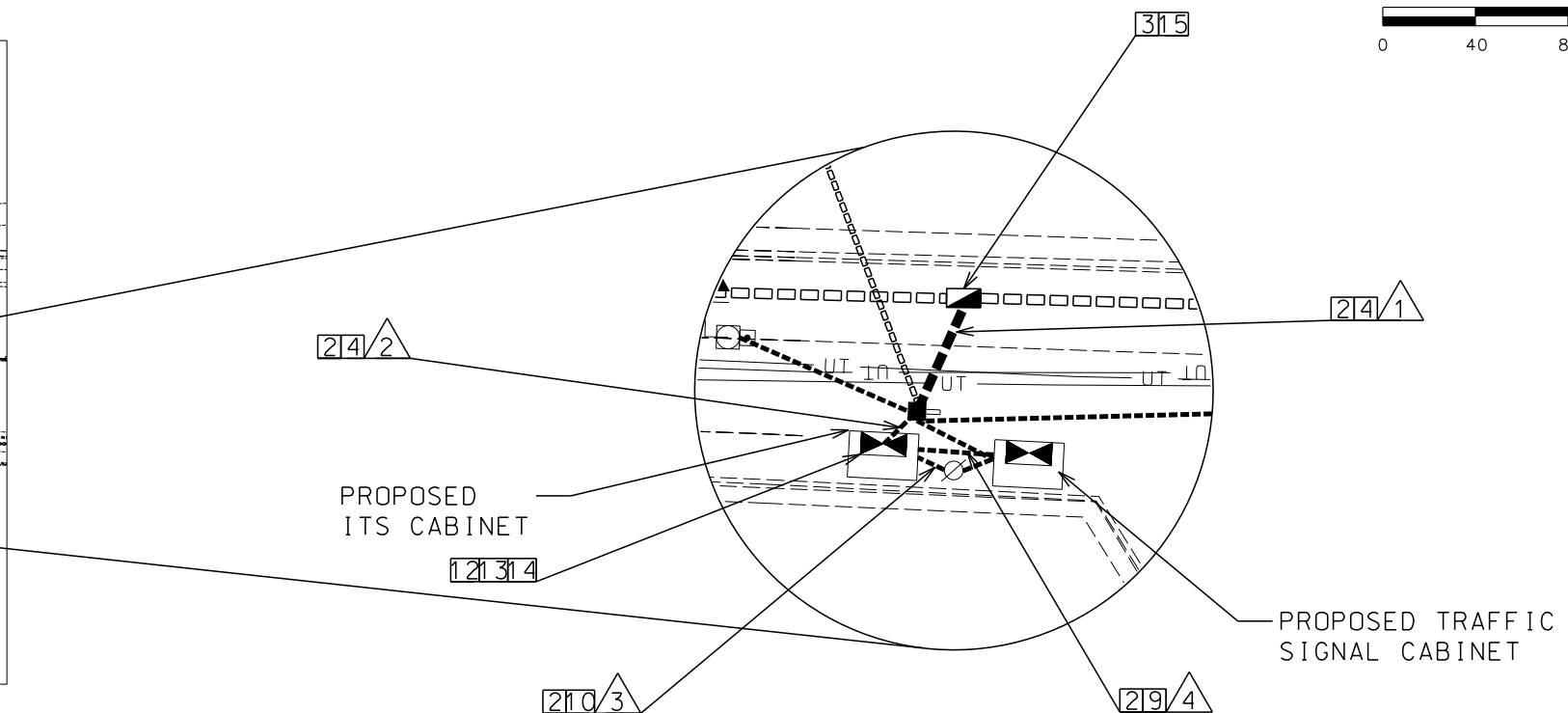
DATE PREPARED
10/13/2025
ROUTE D STATE MO
DISTRICT SW SHEET NO. 63
COUNTY GREENE
JOB NO. J8S3133
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

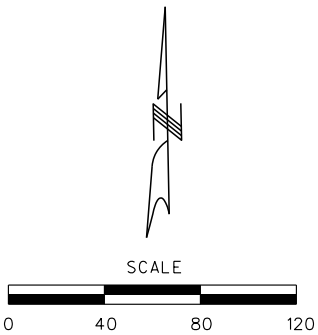
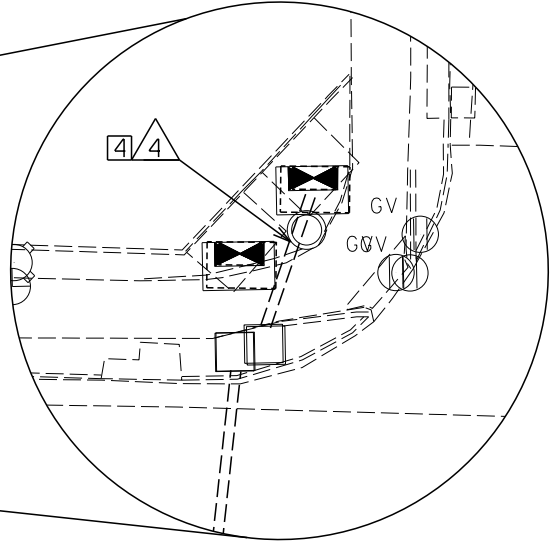
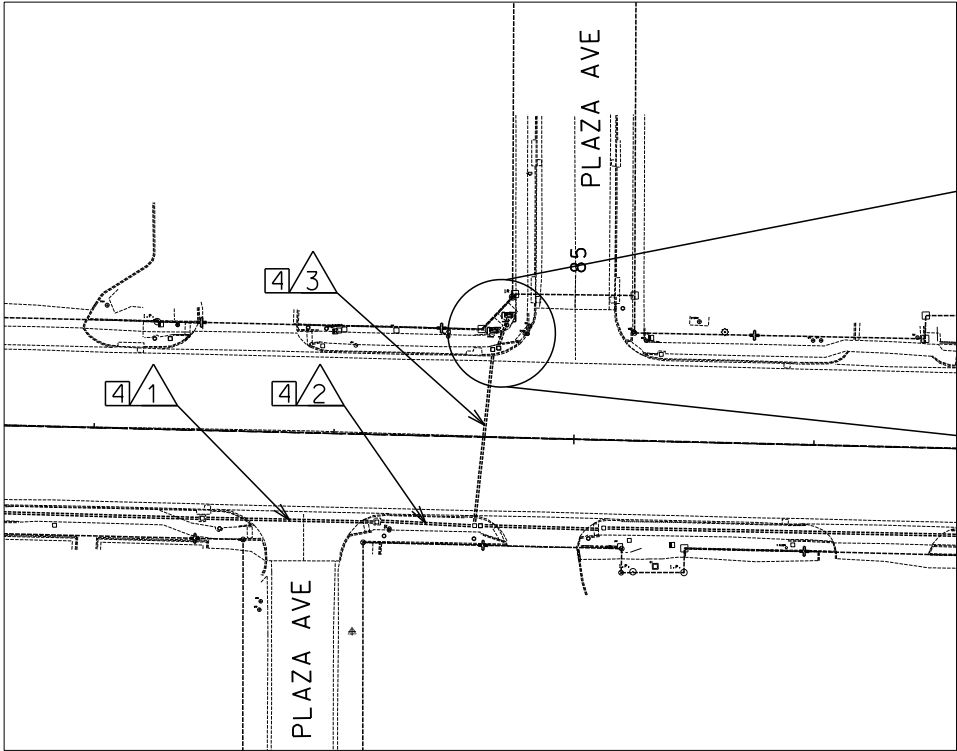
DESCRIPTION	DATE

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090







CONSTRUCTION NOTES:

- 1 FURNISH AND INSTALL NEW CONDUIT (PUSHED).
- 2 FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
- 3 FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- 4 FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S), 24 FIBER (12 SINGLE MODE/12 MULTI MODE) WITH (1) #14 TRACER WIRE.
- 5 FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.20G FOR DETAILS.
- 6 INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
- 10 FURNISH AND INSTALL 3-1C, 6 AWG (POWER)
- 12 FURNISH AND INSTALL ONE (1) 48-PORT FIBER DISTRIBUTION UNIT AND ASSOCIATED SPLICE TRAYS IN EXISTING CABINET. COMPLETE ALL CONNECTIONS FOR INTENDED OPERATIONS INCLUDING PIGTAILS AND FIBER OPTIC JUMPERS.
- 13 FUSION SPLICE APPLICABLE STRANDS OF FIBER OPTIC CABLE. SEE PROVIDED FIBER ASSIGNMENTS FOR DETAILS.
- 14 FURNISH AND INSTALL ETHERNET SWITCH. FURNISH AND INSTALL CAT6 CABLES FOR SUPPORTED DEVICES. COMPLETE CONNECTIONS FOR INTENDED OPERATION.
- 15 COIL 100' (FT) OF SLACK FIBER OPTIC CABLE FOR EACH MAINLINE CABLE.

LEGEND:

- PROPOSED ITS CABINET
- PROPOSED ITS GROUND BOX (TYPE 2)
- PROPOSED ITS GROUND BOX (TYPE 5)
- PROPOSED TRAFFIC GROUND BOX (TYPE 2)
- EXISTING ITS CABINET
- EXISTING TRAFFIC GROUND BOX
- POWER SUPPLY
- EXISTING ITS CONDUIT
- PROPOSED ITS CONDUIT (TRENCHED)
- PROPOSED ITS CONDUIT (PUSHED)
- PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
- CONDUIT RUN NUMBER

PROPOSED CONDUIT AND CONDUCTOR SCHEDULE					
CONDUIT	RUN NUMBER	1	2	3	4
	SIZE (INCHES)	2"	2"	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	E	E	E	E
	NO. OF CONDUITS	1	1	1	1
	LENGTH OF RUN (FT)	75	40	75	15
CABLE	DESCRIPTION	NUMBER OF CONDUCTORS			
12 SMF/12 MMF	COMMUNICATIONS (FIBER CABLE)	1	1	1	1
CAT 6	COMMUNICATIONS/POWER				
#14	TRACE WIRE	1	1	1	1
#6 XHHW	120V POWER HOT				
	120V POWER COMMON				
#6 BARE	BARE BOND GROUND				

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING

RTE D (SUNSHINE ST)
PLAZA AVE ITS PLAN
SHEET 9 OF 11



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 65
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

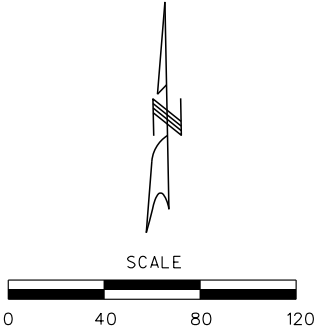
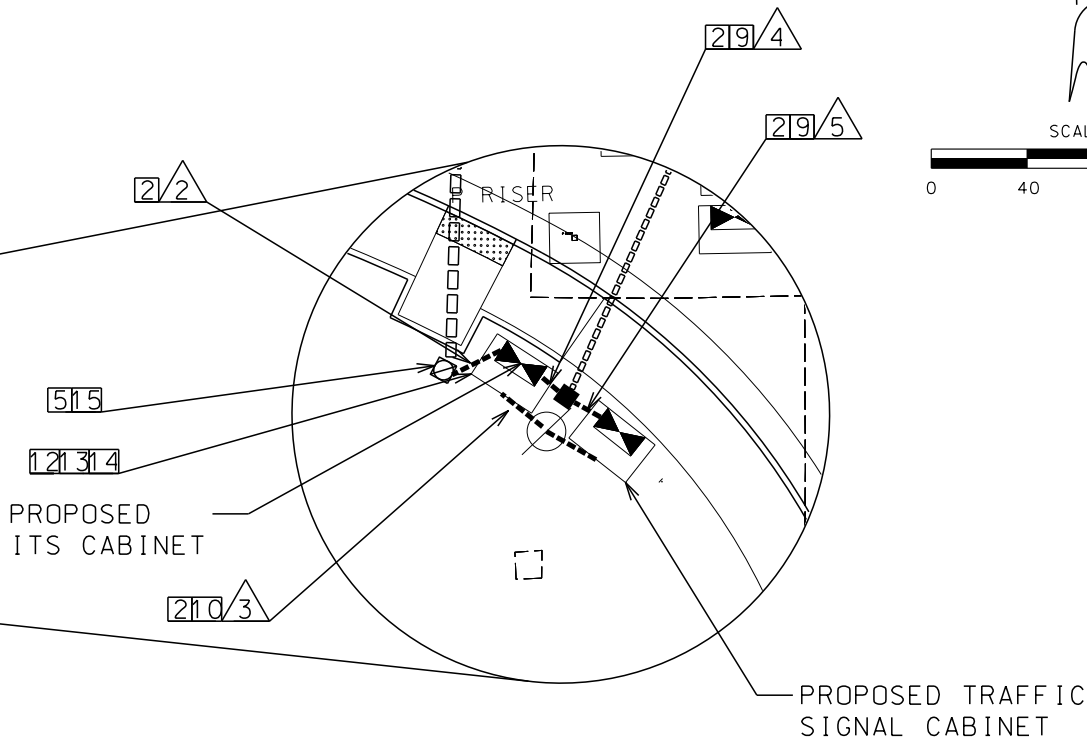
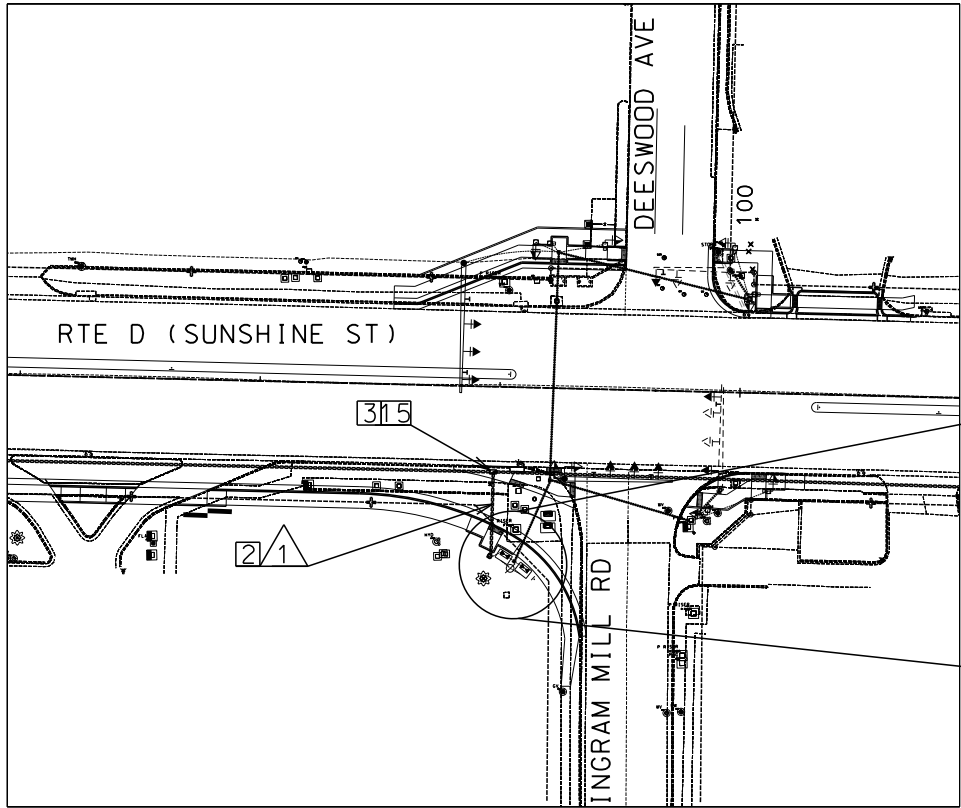
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





CONSTRUCTION NOTES:

- 1 FURNISH AND INSTALL NEW CONDUIT (PUSHED).
- 2 FURNISH AND INSTALL NEW CONDUIT (TRENCH). CONTRACTOR MAY CHOOSE TO PUSH CONDUIT IF DESIRED AT NO ADDITIONAL COST TO MODOT.
- 3 FURNISH AND INSTALL NEW CLASS 2 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.206 FOR DETAILS.
- 4 FURNISH AND INSTALL NEW FIBER OPTIC CABLE(S), 24 FIBER (12 SINGLE MODE/12 MULTI MODE) WITH (1) #14 TRACER WIRE.
- 5 FURNISH AND INSTALL NEW CLASS 5 PULL BOX. LID SHALL BE LABELED "STATE FIBER OPTICS". SEE MODOT STANDARD PLAN 902.206 FOR DETAILS.
- 6 INSTALL NEW CONDUIT INTO PROPOSED TRAFFIC SIGNAL PULL BOX.
- 9 FURNISH AND INSTALL NEW CAT6 ETHERNET CABLE(S) PER CONDUITOR SCHEDULE. PROTECT ALL EXISTING CONDUCTORS/CABLE IN PLACE UNLESS DIRECTED OTHERWISE.
- 10 FURNISH AND INSTALL 3-1C, 6 AWG (POWER)
- 12 FURNISH AND INSTALL ONE (1) 48-PORT FIBER DISTRIBUTION UNIT AND ASSOCIATED SPLICE TRAYS IN EXISTING CABINET. COMPLETE ALL CONNECTIONS FOR INTENDED OPERATIONS INCLUDING PIGTAILS AND FIBER OPTIC JUMPERS.
- 13 FUSION SPLICE APPLICABLE STRANDS OF FIBER OPTIC CABLE. SEE PROVIDED FIBER ASSIGNMENTS FOR DETAILS.
- 14 FURNISH AND INSTALL ETHERNET SWITCH. FURNISH AND INSTALL CAT6 CABLES FOR SUPPORTED DEVICES. COMPLETE CONNECTIONS FOR INTENDED OPERATION.
- 15 COIL 100' (FT) OF SLACK FIBER OPTIC CABLE FOR EACH MAINLINE CABLE.

LEGEND:

- [Symbol] PROPOSED ITS CABINET
- [Symbol] PROPOSED ITS GROUND BOX (TYPE 2)
- [Symbol] PROPOSED ITS GROUND BOX (TYPE 5)
- [Symbol] PROPOSED TRAFFIC GROUND BOX (TYPE 2)
- [Symbol] EXISTING ITS CABINET
- [Symbol] EXISTING TRAFFIC GROUND BOX
- [Symbol] POWER SUPPLY
- ==== EXISTING ITS CONDUIT
- PROPOSED ITS CONDUIT (TRENCHED)
- PROPOSED ITS CONDUIT (PUSHED)
- PROPOSED ITS CONDUIT (BRIDGE MOUNTED)
- [Symbol] CONDUIT RUN NUMBER

PROPOSED CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT	RUN NUMBER	1	2	3	4	5
	SIZE (INCHES)	2"	2"	2"	2"	2"
	TYPE (HDPE, RGS)	HDPE	HDPE	HDPE	HDPE	HDPE
	INSTALLATION TYPE (B, P, T, E)	P	T	T	T	T
	NO. OF CONDUITS	1	1	1	1	1
CABLE	LENGTH OF RUN (FT)	35	10	10	10	10
	DESCRIPTION	NUMBER OF CONDUCTORS				
	12 SMF/12 MMF	1	1			
	CAT 6				3	3
	#14	1	1		1	1
#6 XHHW	120V POWER HOT			1		
	120V POWER COMMON			1		
#6 BARE	BARE BOND GROUND			1		

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
B: BRIDGE P: PUSH T: TRENCH E: EXISTING

RTE D (SUNSHINE ST)
INGRAM MILL RD/DEESWOOD AVE ITS PLAN
SHEET 10 OF 11

STATE OF MISSOURI
CLAIRE E. MCKINNEY
NUMBER
PE-2022028950
PROFESSIONAL ENGINEER

DATE PREPARED
10/13/2025

ROUTE
D
STATE
MO

DISTRICT
SW
SHEET NO.
66

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

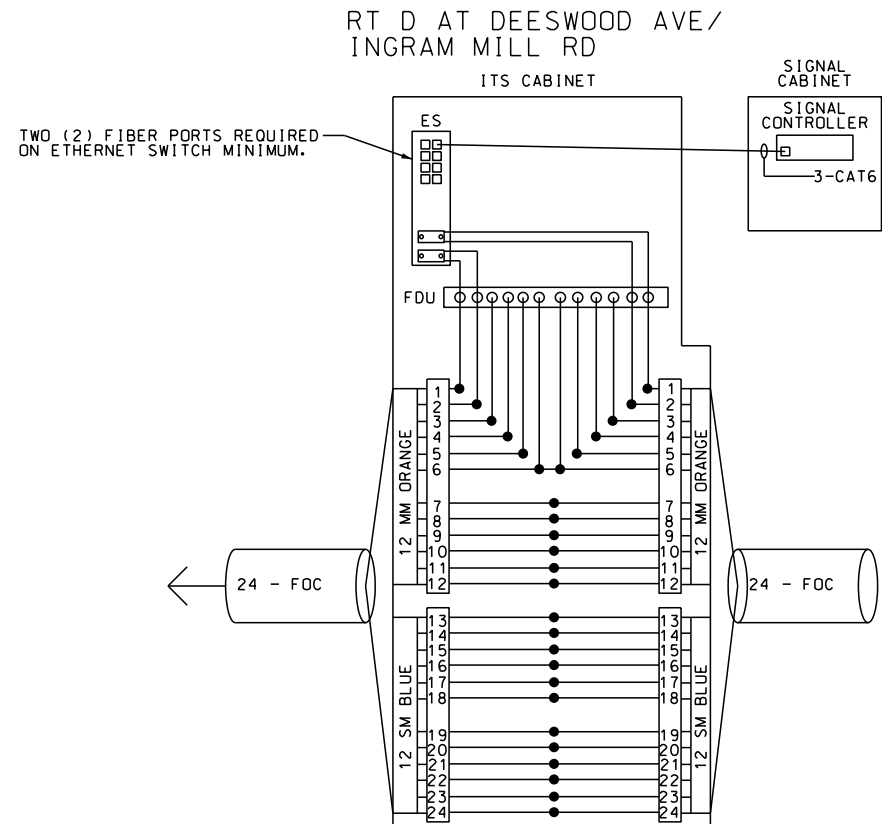
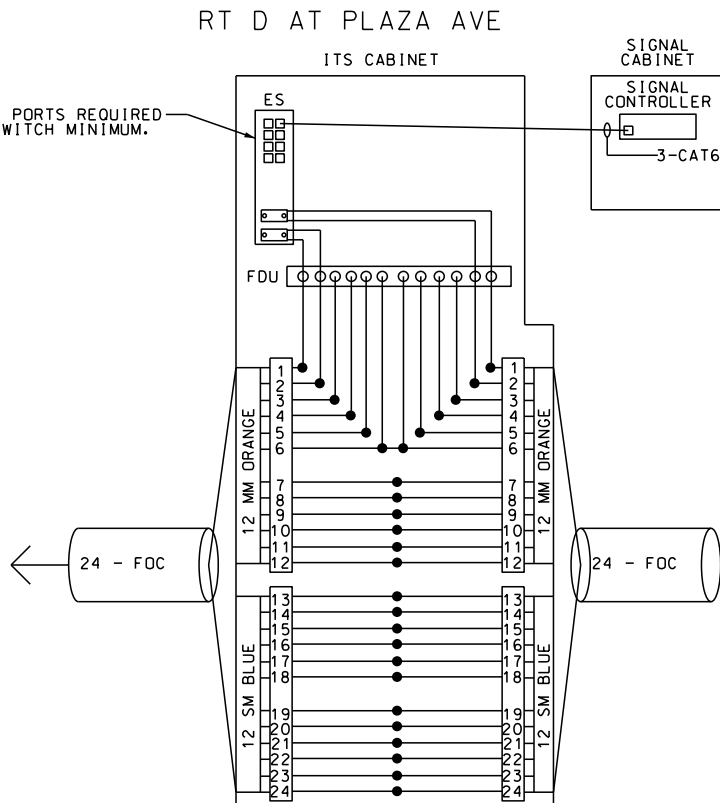
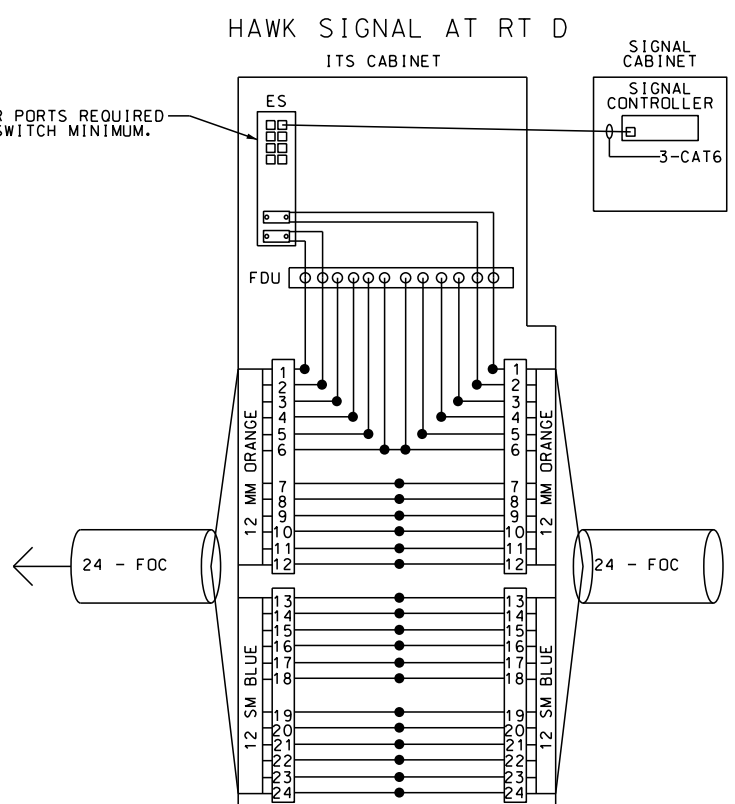
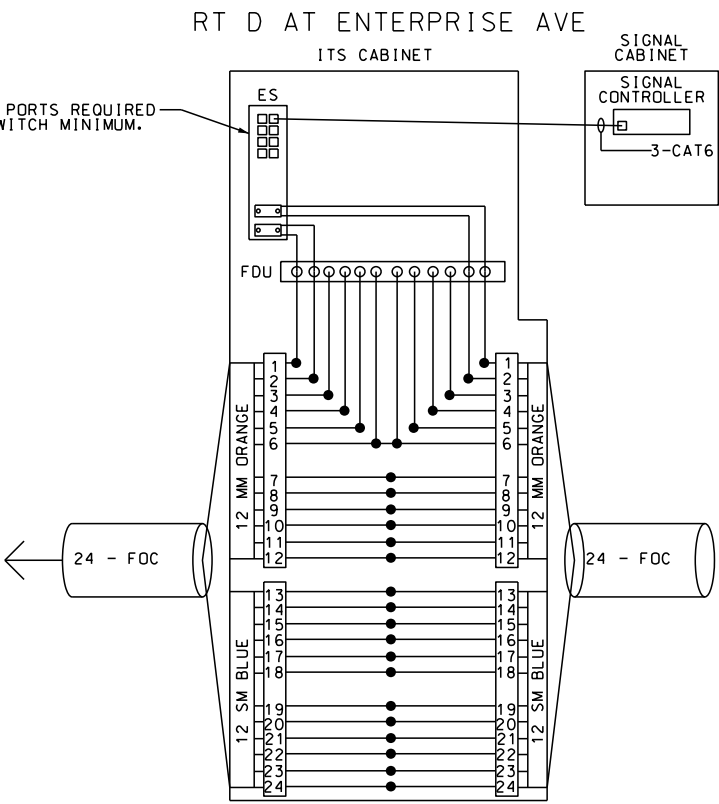
Garver, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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

Garver

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

4\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-0 Imps\Drawings\J8S3133 Sunshine\066 ITS_010_J8S3133_110_INGRAMMILL.dgn 2:05:33 PM 10/13/2025



LEGEND

- [ES] ETHERNET SWITCH
- [FPP] FIBER OPTIC PATCH PANEL
- [FDU] FIBER OPTIC DISTRIBUTION UNIT
- PROPOSED SPLICE

24-STRAND FIBER OPTIC CABLE		
FIBER NO.	BUFFER TUBE	FIBER COLOR
1	BLUE	BLUE
2		ORANGE
3		GREEN
4		BROWN
5		SLATE
6		WHITE
7	BLUE	RED
8		BLACK
9		YELLOW
10		VIOLET
11		ROSE
12		AQUA
13	ORANGE	BLUE
14		ORANGE
15		GREEN
16		BROWN
17		SLATE
18		WHITE
19	ORANGE	RED
20		BLACK
21		YELLOW
22		VIOLET
23		ROSE
24		AQUA

- GENERAL NOTES: (THIS PAGE ONLY)
1. ALL FIBER SPLICING TAKES PLACE IN THE FDU SPLICE TRAYS UNLESS NOTED OTHERWISE.
 2. GRAY DENOTES EXISTING FIBER AND ASSOCIATED ITS EQUIPMENT.
 3. BLACK DENOTES PROPOSED FIBER AND ASSOCIATED ITS EQUIPMENT.

STATE OF MISSOURI

CLAIRE E. MCKINNEY

NUMBER PE-2022028950

PROFESSIONAL ENGINEER

DATE PREPARED 10/13/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 67

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

Garver, LLC

7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

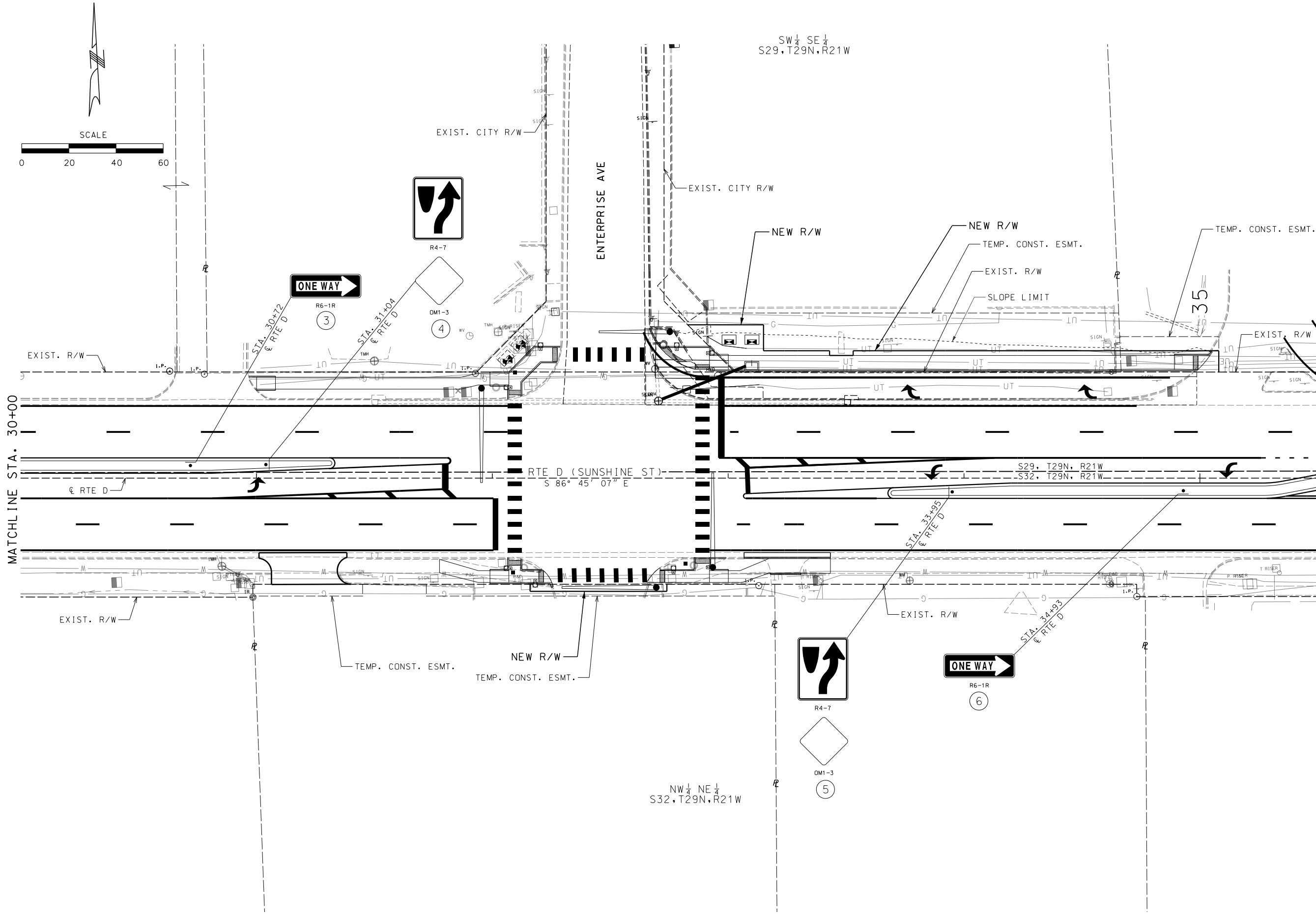
CERTIFICATE OF AUTHORITY NO. 2008013090

105 WEST CAPITAL

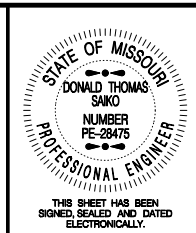
JEFFERSON CITY, MO 65102

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

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SIGNING PLANS
SHEET 2 OF 12



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 69
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

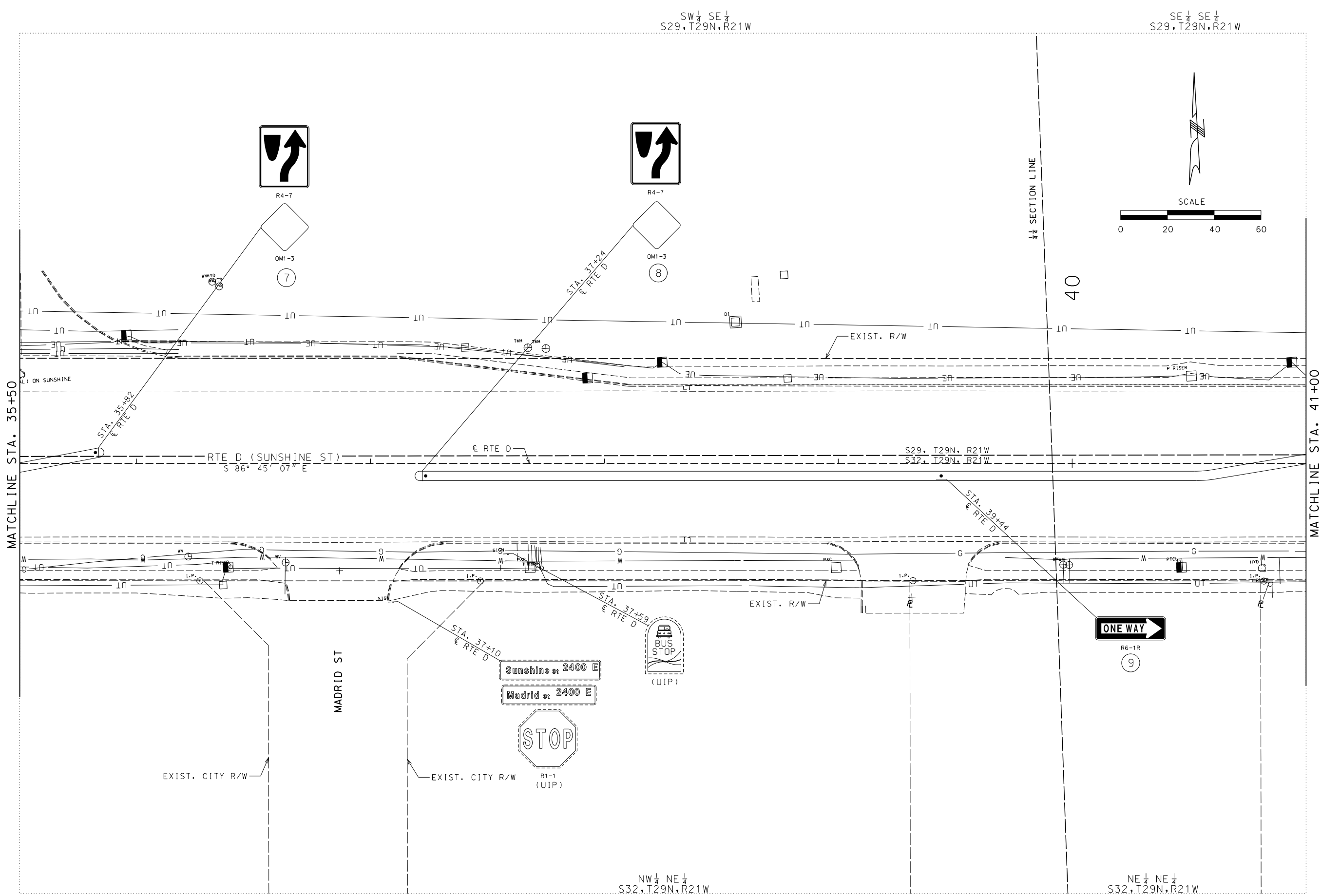
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
10/13/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	70
COUNTY	
GREENE	
JOB NO.	
J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

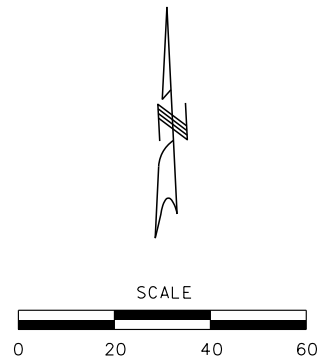
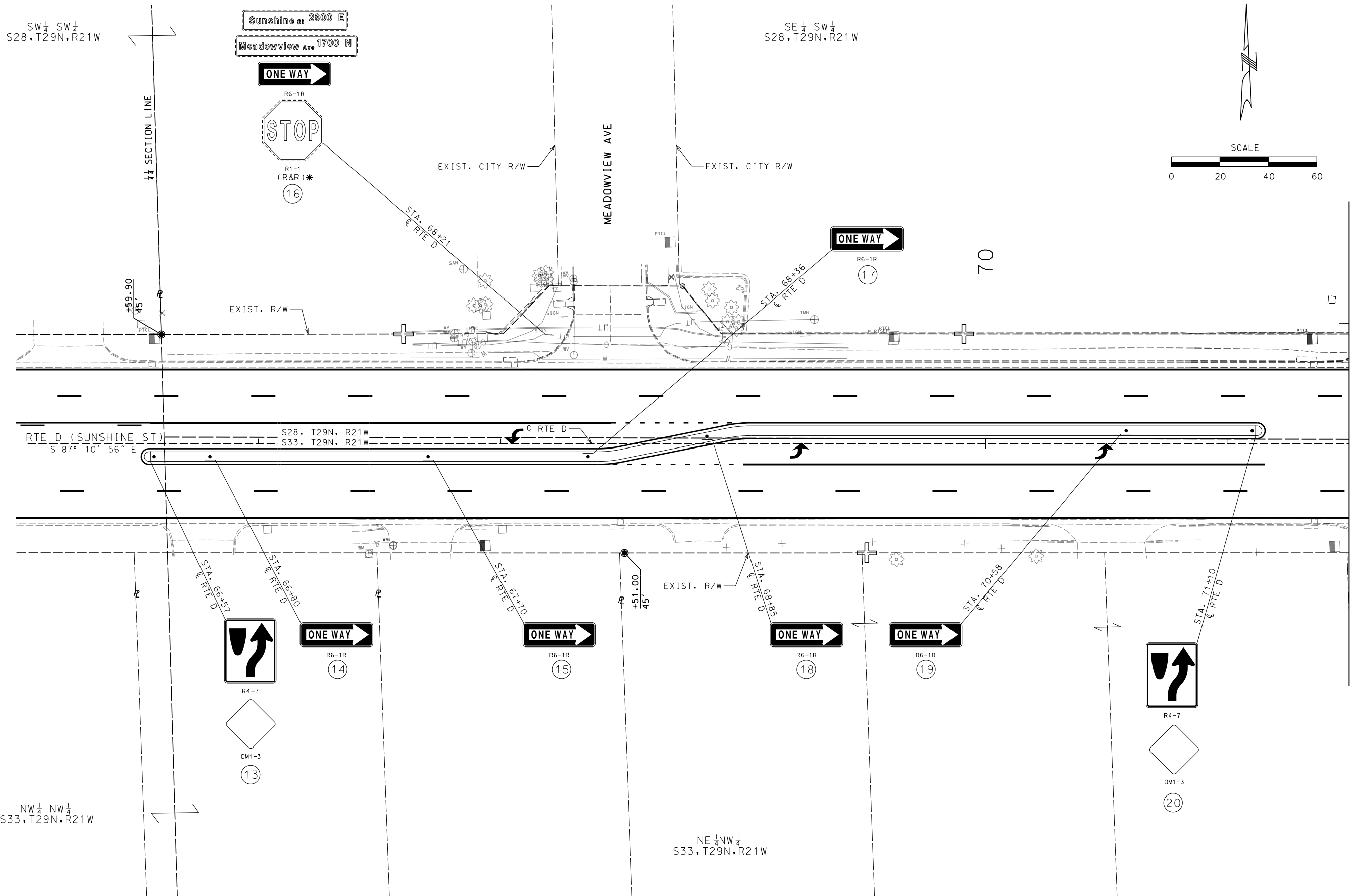
MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

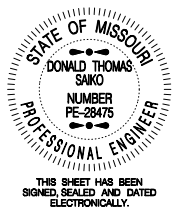


*REPLACE POST AND REUSE EXISTING SIGNS



MATCHLINE STA. 71+50

SIGNING PLANS
SHEET 5 OF 12



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 72
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

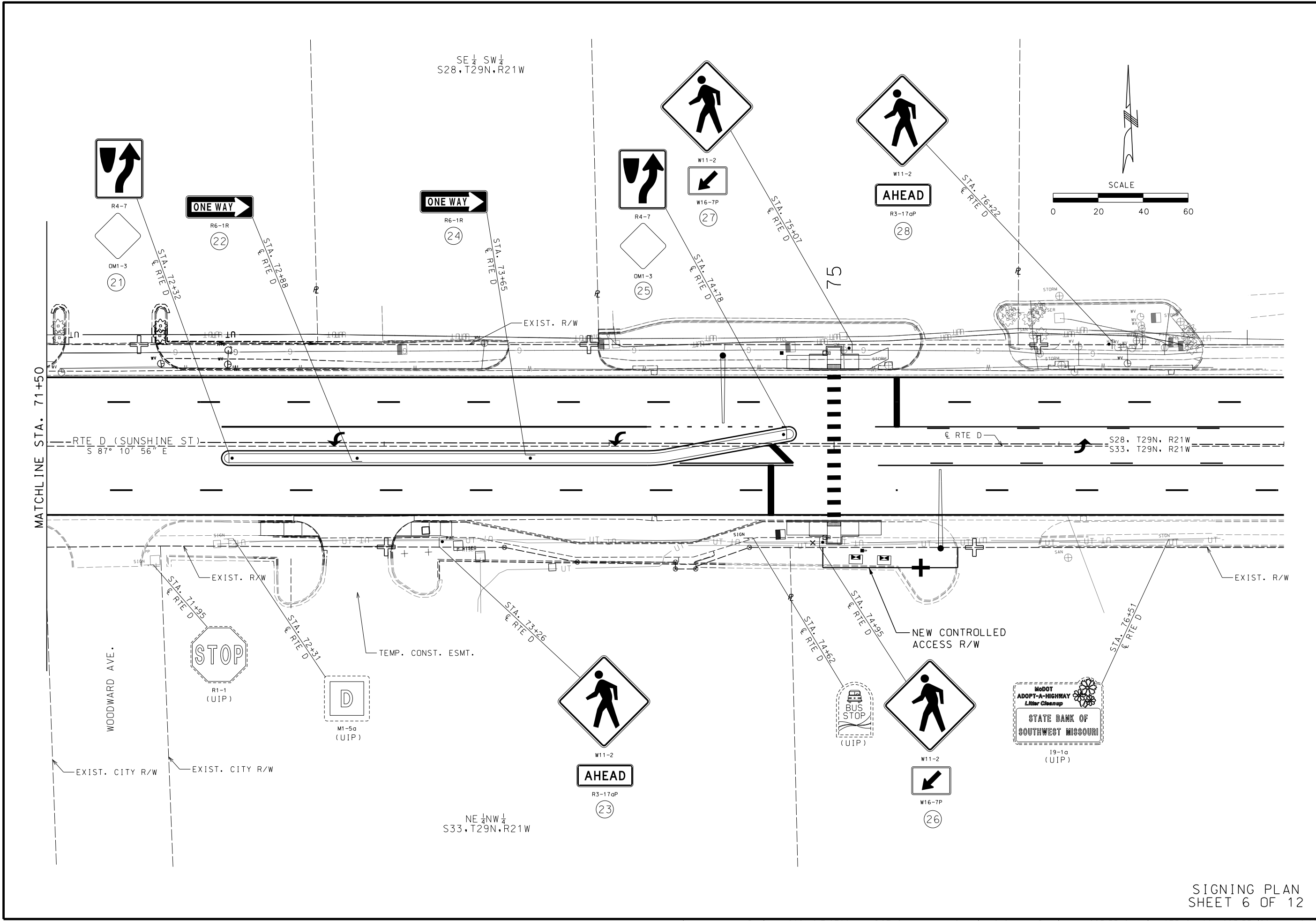
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





SIGNING PLAN
SHEET 6 OF 12

STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
73

COUNTY
GREENE

JOB NO.
J853133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



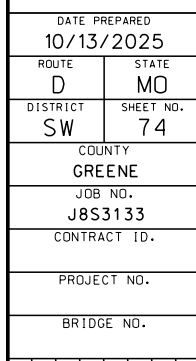
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



DATE

DESCRIPTION

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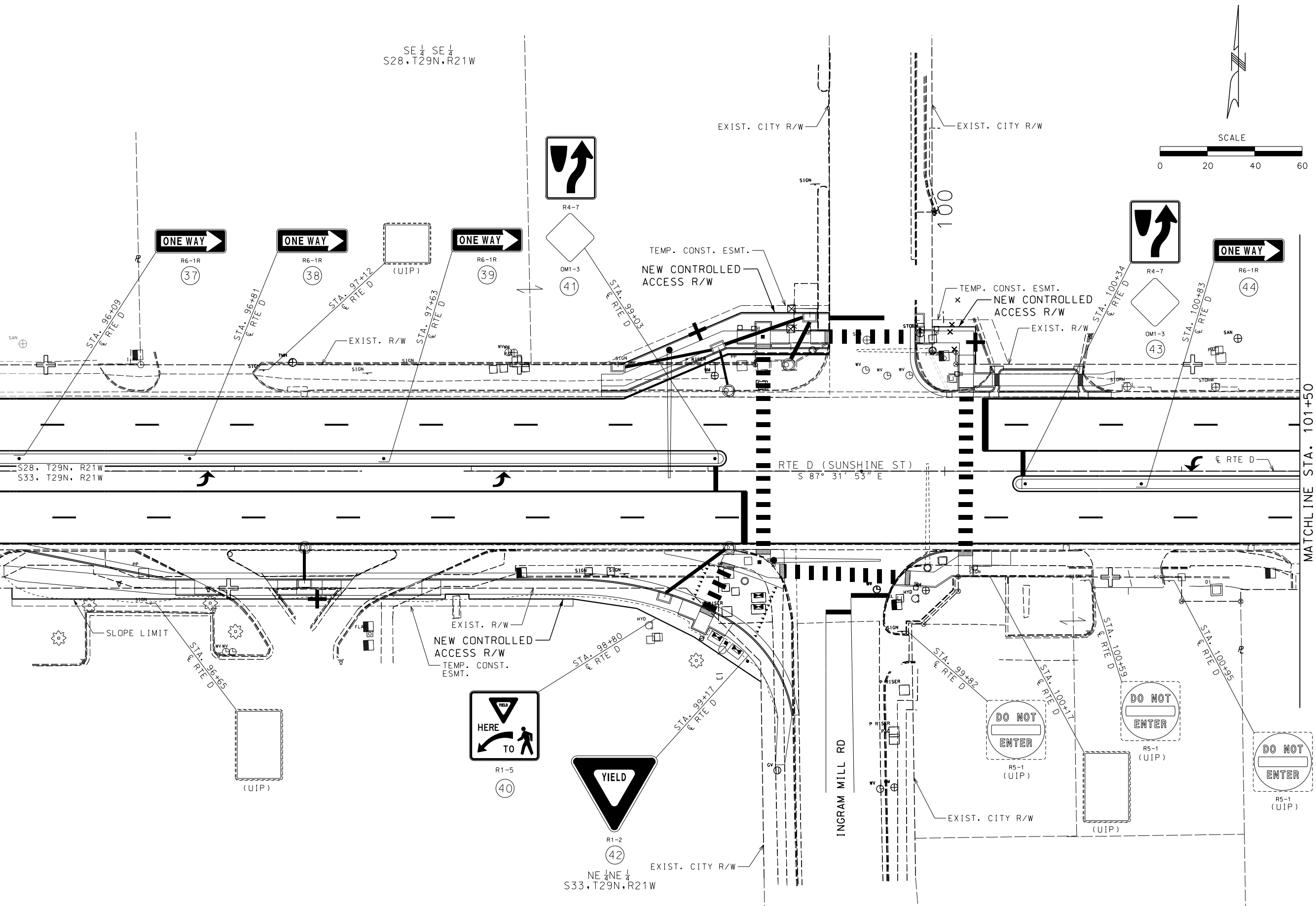
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



50
GARVER

MATCHLINE STA. 96+00



PLAN SHEET
SHEET 8 OF 12



DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 75
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

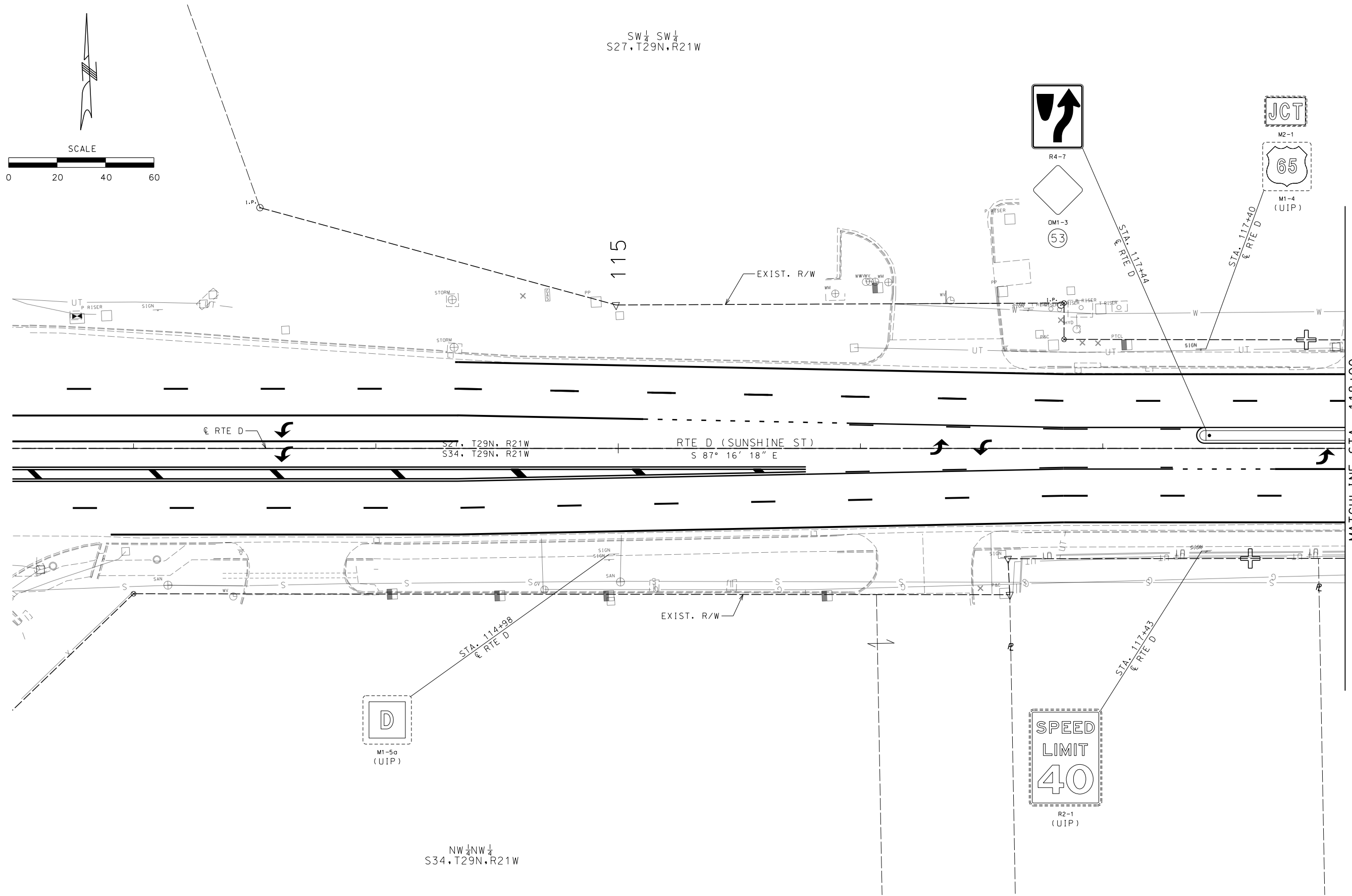
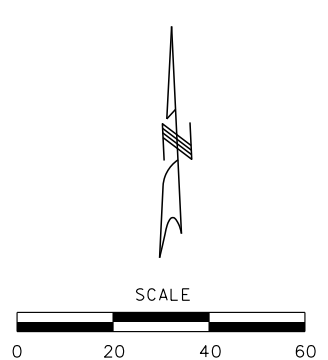
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 77
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

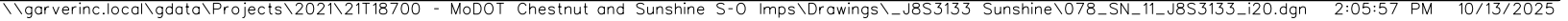
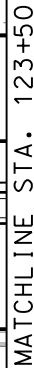
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

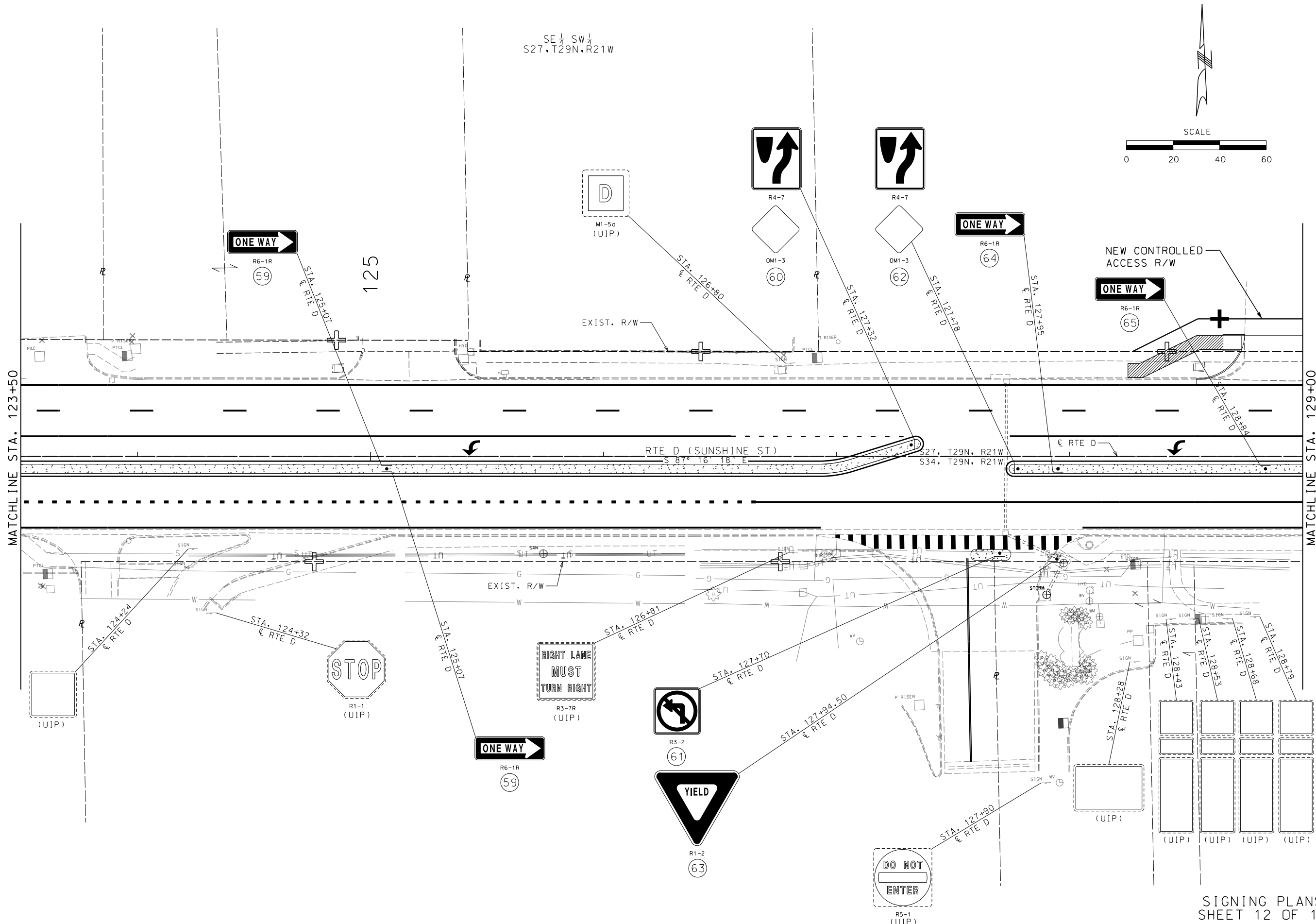
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SIGNING PLANS
SHEET 10 OF 12





DATE PREPARED 10/13/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 79
COUNTY GREENE	
JOB NO. J8S3133	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SIGNING PLANS
SHEET 12 OF 12

SIGNS					CONCRETE FOOTINGS EMBEDDED	I-BEAM POSTS*					PIPE POSTS*					4" SQUARE STEEL POST*		PERFORATED SQUARE STEEL TUBE**														U- CHANNEL POST	ALUMINUM BACKING BARS				COLUMN MOUNTING C-CHANNEL	EFFECTIVE: 07-01-2026																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
902 SIGNAL SIGNS TABULATED ON D-37A						(I-BEAM/PIPE) ITEM NO. 9031010 CY	POST + STUB				LBS ITEM NO. 9031210	POST + STUB				LBS ITEM NO. 9031220	BASE ITEM NO. 9031005 EACH	POST ITEM NO. 9031230 LF	2" POST				2.5" POST				BREAK - AWAY ASSEMBLY ITEM NO. 9031241 EACH	ITEM NO. 9031250A LF	COUNT EACH	LENGTH IN.	TOTAL ITEM NO. 9035030 LF		ITEM NO. 9035031 LF	REMARKS AND OTHER REQUIRED ITEMS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SIGN NO.	SIGN SIZE	STATION/ LOG MILE	LOCATION	DTL SHT NO.			DES NO.	NO.1 LF	NO.2 LF	NO.3 LF		PER FT	SIZE IN.	NO.1 LF	NO.2 LF				PER FT	NO.1 LF	TOTAL ITEM NO. 9031270A LF	DRIVEN ITEM NO. 9031273A EACH	CONCRETE ITEM NO. 9031274 EACH	NO.1 LF	NO.2 LF	TOTAL ITEM NO. 9031280 LF									DRIVEN ITEM NO. 9031281A EACH	CONCRETE ITEM NO. 9031285 EACH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	24X30 18X18	27+45	RTE D RT		0.13										2.5	11.75		5.79	68.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR I-BEAM, PIPE AND 4" SQUARE STEEL POSTS.
**FOR PSST WITHOUT BREAKAWAY DEVICES, POST LENGTH SHALL INCLUDE AN ADDITIONAL 6" FOR INSERTION INTO ANCHOR;
FOR SURFACED MOUNTED PSST ON ISLANDS, NO ANCHOR IS USED, JUST A SURFACE MOUNT BREAKAWAY ASSEMBLY.

ROUND PIPE POST AND FOOTING DATA TABLE					
NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING	
	(IN.)	LBS/FT	LBS/IN	DIA.	DEPTH
2 1/2		5.79	0.48	4'- 3 1/2"	12"
4		10.79	0.90	5'- 3 1/2"	18"

STRUCTURAL STEEL POST AND FOOTING DATA TABLE													
POST						FOOTING							
POST DES. NO.	NOM. SIZE	WEIGHT		STUB LENGTH	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

6/4/2026

<

SIGNS				CONCRETE FOOTINGS EMBEDDED	I-BEAM POSTS*				PIPE POSTS*				4" SQUARE STEEL POST*		PERFORATED SQUARE STEEL TUBE**												U- CHANNEL POST	ALUMINUM BACKING BARS			COLUMN MOUNTING C-CHANNEL		EFFECTIVE: 07-01-2026
902 SIGNAL SIGNS TABULATED ON D-37A					(I-BEAM/PIPE) ITEM NO. 9031010	POST + STUB				LBS ITEM NO. 9031210	POST + STUB				LBS ITEM NO. 9031220	BASE ITEM NO. 9031005	POST ITEM NO. 9031230	2" POST				2.5" POST				BREAK - AWAY ASSEMBLY ITEM NO. 9031241		ITEM NO. 9031250A	COUNT	LENGTH	TOTAL ITEM NO. 9035030	ITEM NO. 9035031	REMARKS AND OTHER REQUIRED ITEMS
SIGN NO.	SIGN SIZE	STATION/ LOG MILE	LOCATION			DTL SHT NO.	DES NO.	NO.1 LF	NO.2 LF		NO.3 LF	PER FT	SIZE	NO.1 LF				NO.2 LF	PER FT	NO.1 LF	NO.2 LF	TOTAL ITEM NO. 9031270A	DRIVEN ITEM NO. 9031273A	CONCRETE ITEM NO. 9031274	NO.1 LF								
44	36X12	100+83	RTE D RT																														
45	36X12	101+73	RTE D RT																														
	36X12																																
46	36X12	102+96	RTE D RT																														
47	36X12	103+22	RTE D RT																														
48	36X12	104+05	RTE D RT																														
49	36X12	104+10	RTE D LT																														
50	36X12	104+86	RTE D RT																														
51	36X12	105+11	RTE D LT																														
52	36X12	105+66	RTE D RT																														
53	24X30	117+44	RTE D LT		0.13							2.5	11.75		5.79	68.03																	
	18X18																																
54	36X12	118+13	RTE D LT																														
55	36X12	118+63	RTE D LT																														
56	24X30	118+96	RTE D LT		0.13							2.5	11.75		5.79	68.03																	
	18X18																																
57	24X30	122+13	RTE D RT		0.13							2.5	11.75		5.79	68.03																	
	18X18																																
58	36X12	123+46	RTE D RT																														
59	36X12	125+07	RTE D RT																														
	36X12																																
60	24X30	127+32	RTE D LT		0.13							2.5	11.75		5.79	68.03																	
	18X18																																
61	24X24	127+70	RTE D RT		0.13							2.5	9.75		5.79	56.45																	
62	24X30	127+78	RTE D RT		0.13							2.5	11.75		5.79	68.03																	
	18X18																																
63	36X36	127+94.5	RTE D RT																	13		13	1										
64	36X12	127+95	RTE D RT																														
65	36X12	128+84	RTE D RT																														
SUBTOTAL 2				0.78										397					145	15			13	1									
SUBTOTAL 1				1.92										1225					189	21			95	7									
TOTAL				2.7										1622					334	36			108	8									

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR I-BEAM, PIPE AND 4" SQUARE STEEL POSTS.
**FOR PSST WITHOUT BREAKAWAY DEVICES, POST LENGTH SHALL INCLUDE AN ADDITIONAL 6" FOR INSERTION INTO ANCHOR;
FOR SURFACED MOUNTED PSST ON ISLANDS, NO ANCHOR IS USED, JUST A SURFACE MOUNT BREAKAWAY ASSEMBLY.

ROUND PIPE POST AND FOOTING DATA TABLE						
NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
	LBS/FT	LBS/IN		DIA.	DEPTH	
2 1/2	5.79	0.48	4'-3 1/2"	12"	4'-6"	0.13
4	10.79	0.90	5'-3 1/2"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE														
POST					FOOTING									
POST DES. NO.	NOM. SIZE	WEIGHT		STUB LENGTH	D1A.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE		
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17	
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54	
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5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52	
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65	

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 6/4/2026

ROUTE D STATE MO

DISTRICT SW SHEET NO. 81

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

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

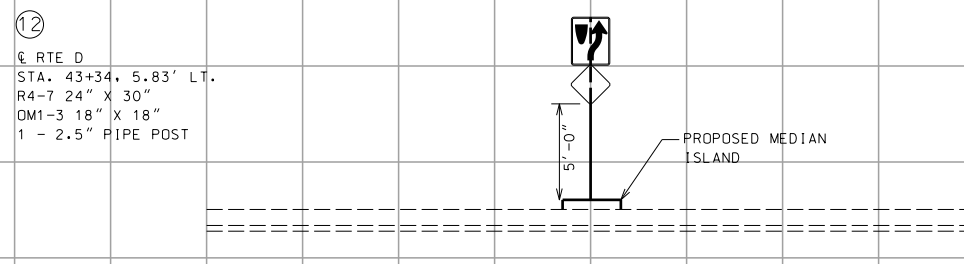
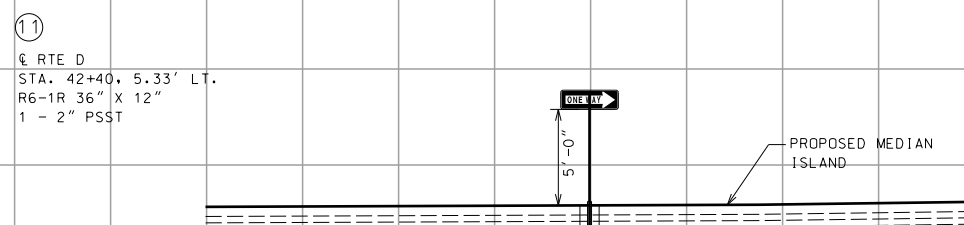
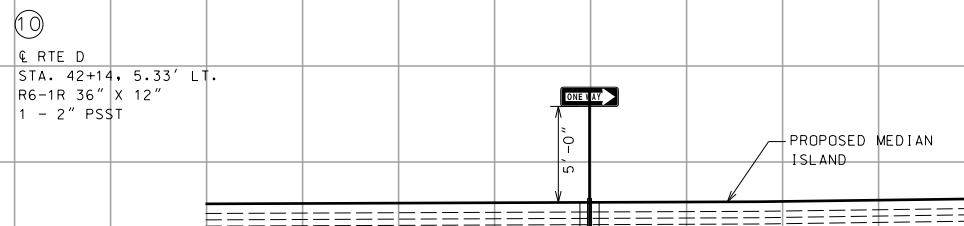
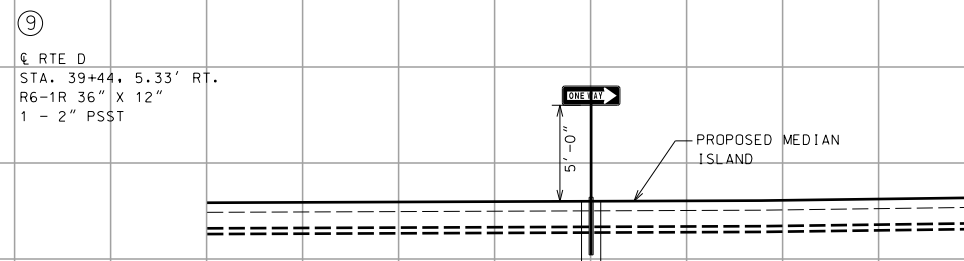
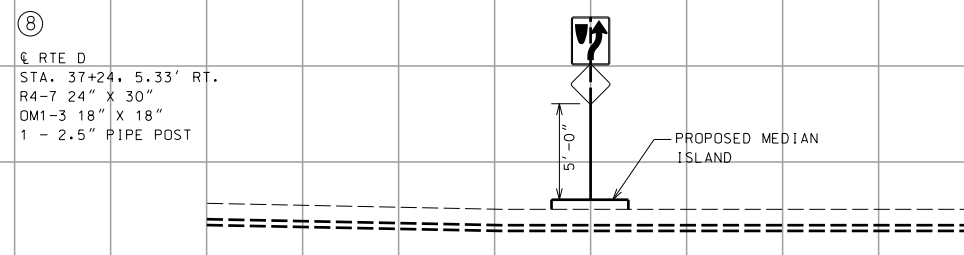
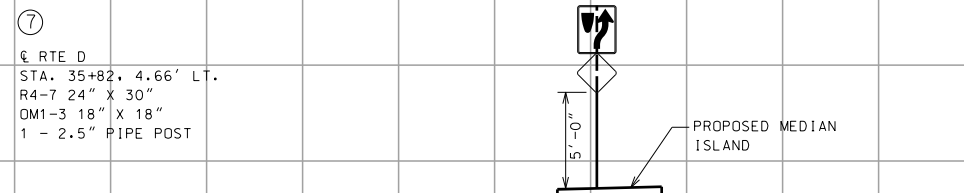
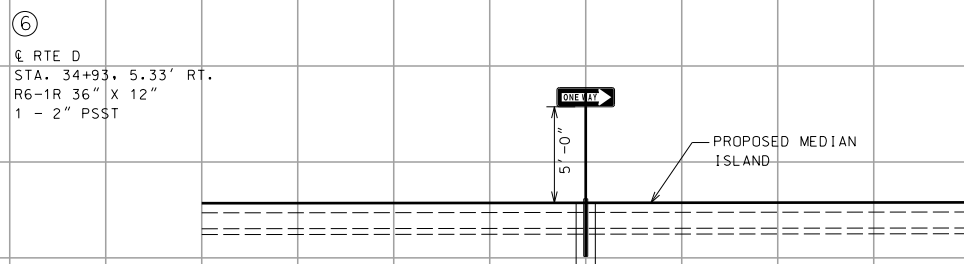
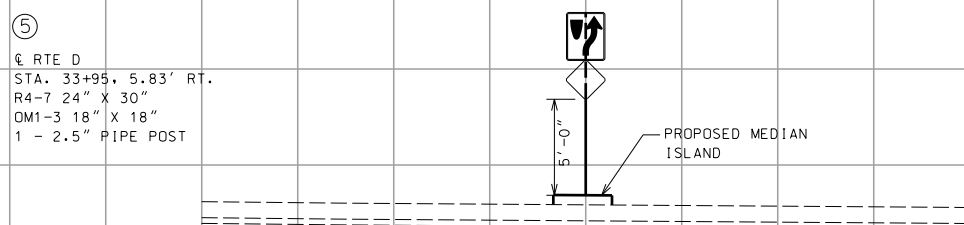
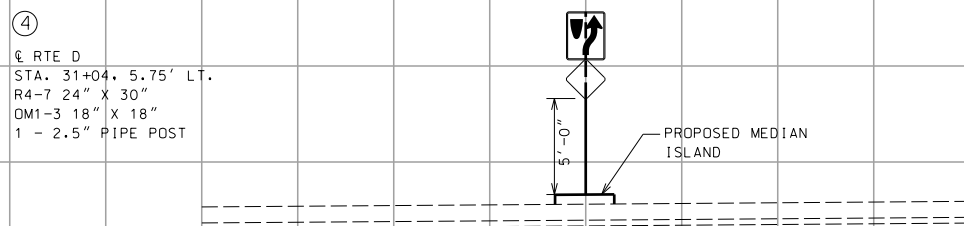
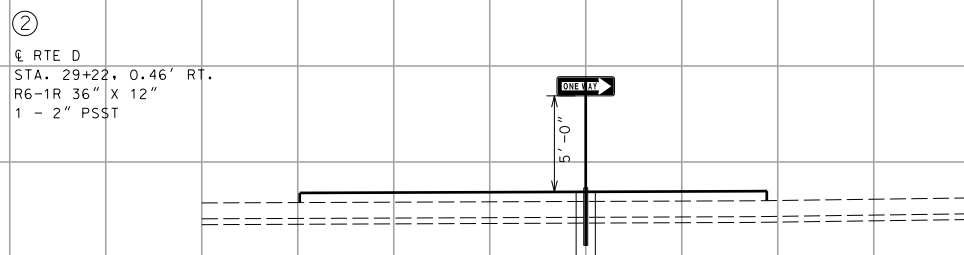
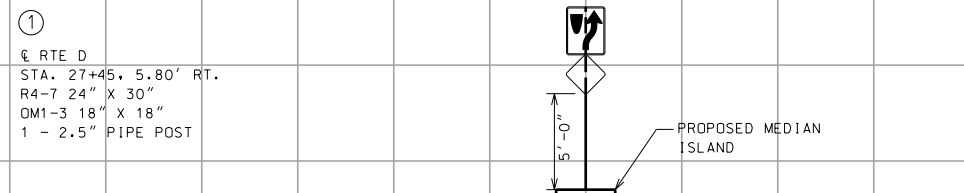
GARVER, LLC.
7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

REV.

D-29

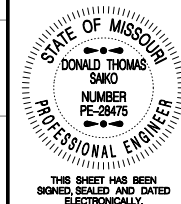
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5'

SIGN SECTIONS
SHEET 1 OF 6



DATE PREPARED
6/4/2026

ROUTE D	STATE MO
DISTRICT SW	SHEET NO 83

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

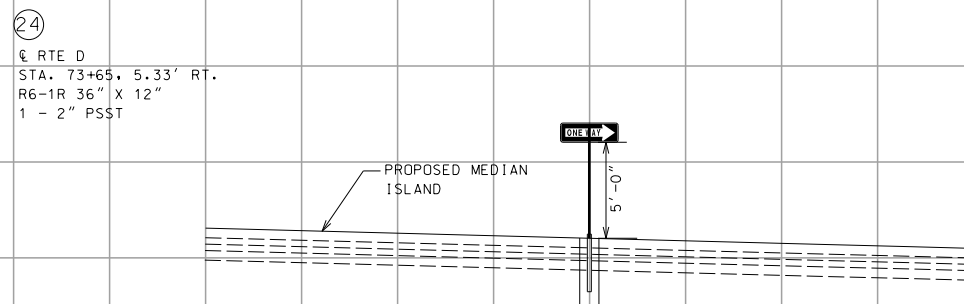
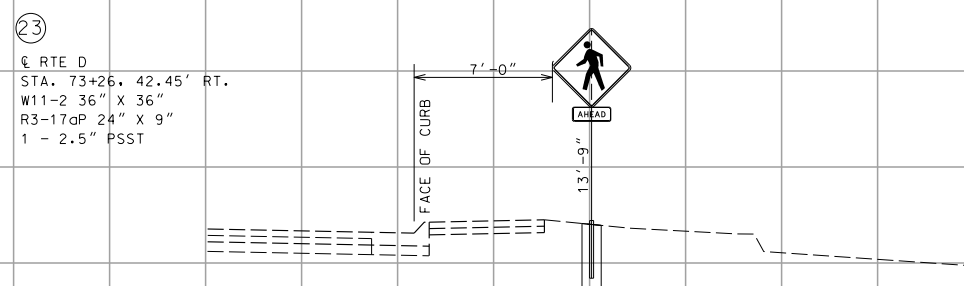
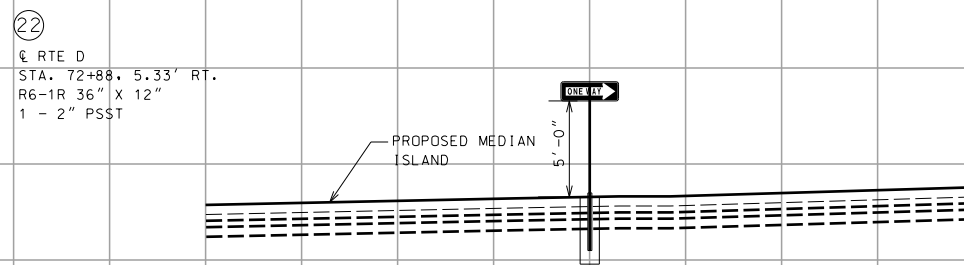
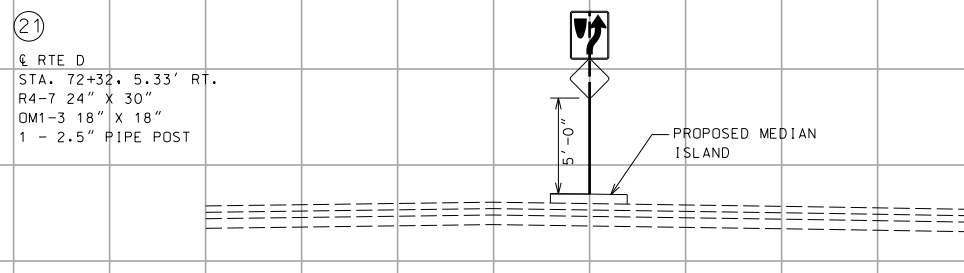
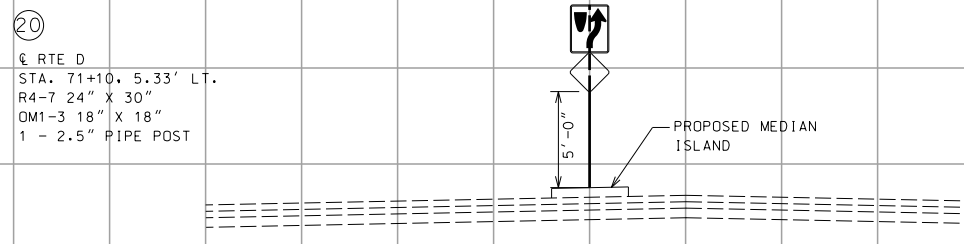
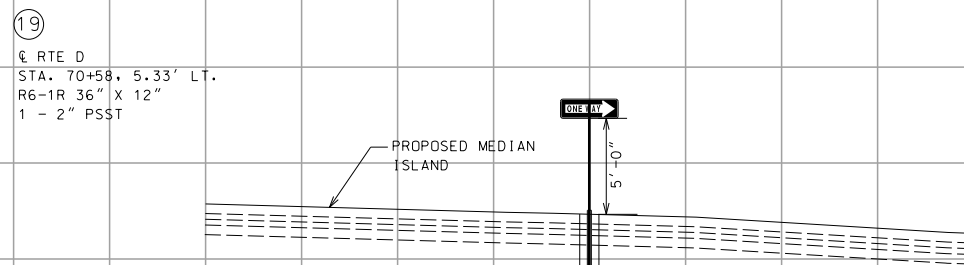
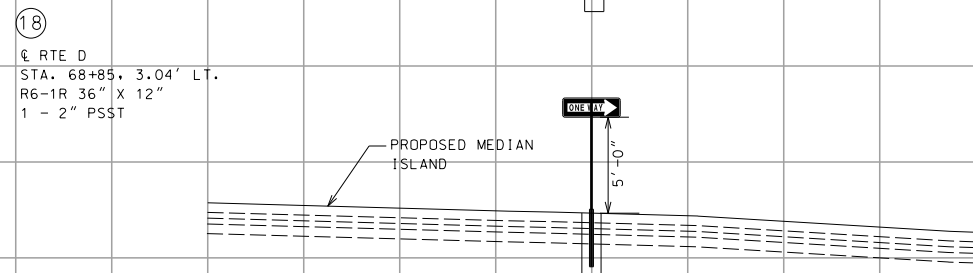
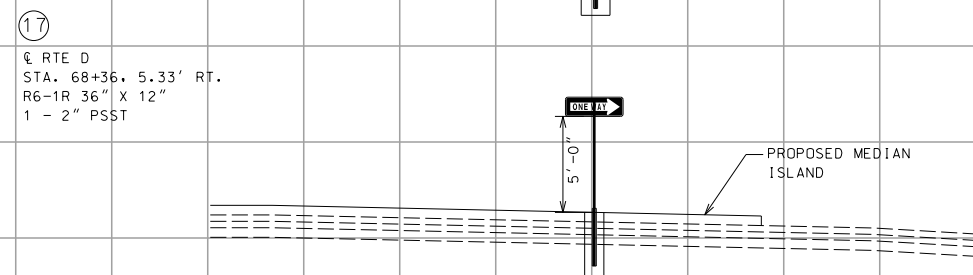
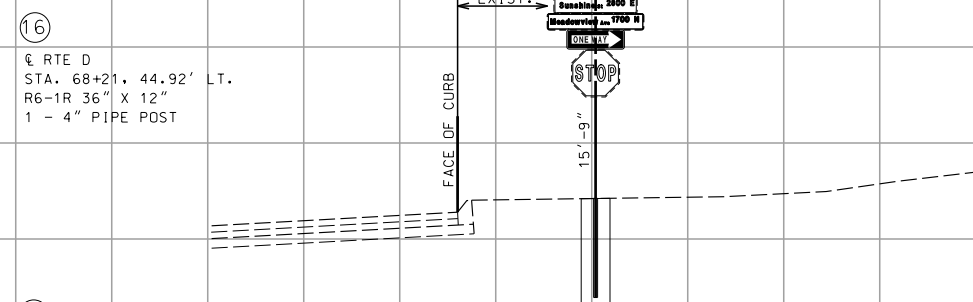
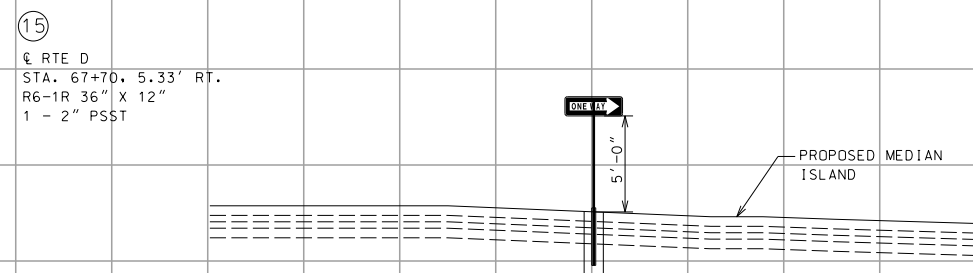
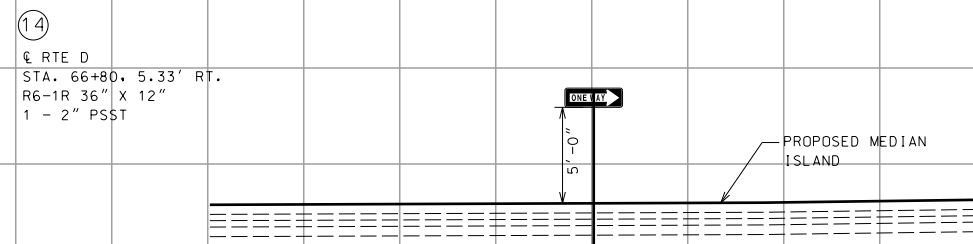
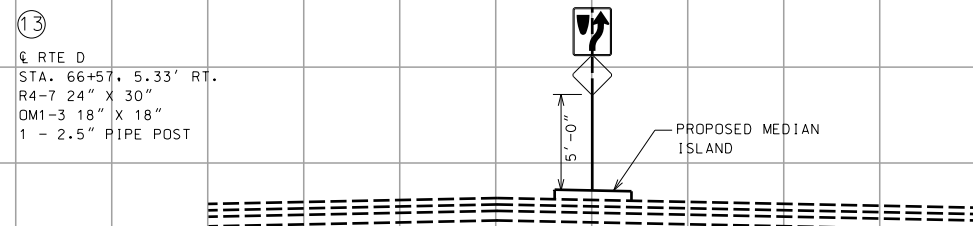
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

SARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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

[illegible]

REV.



SIGN SECTIONS
SHEET 2 OF 6



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/4/2026

ROUTE	STATE
D	MO

DISTRICT	SHEET NO
SW	84

COUNTY
GREENE

JOB NO.
1067133

J853133
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

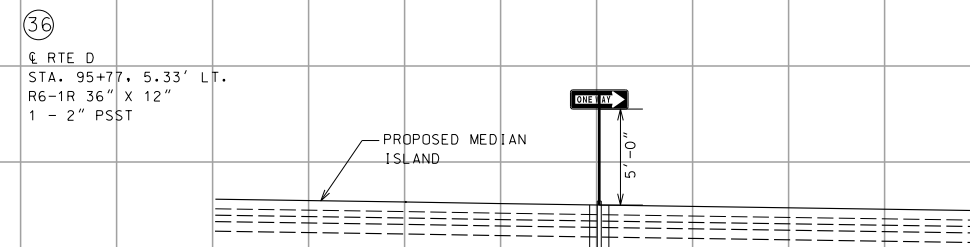
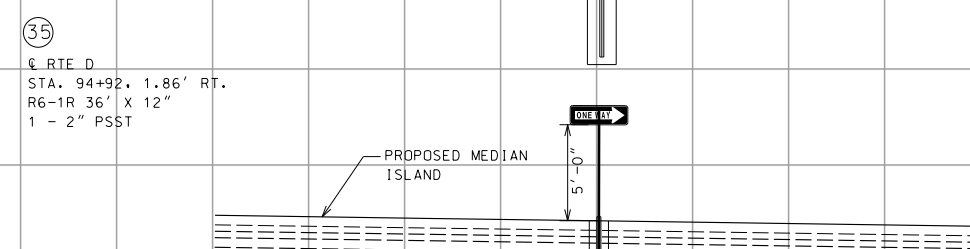
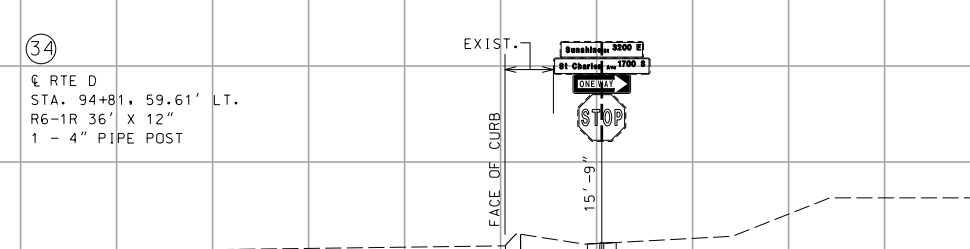
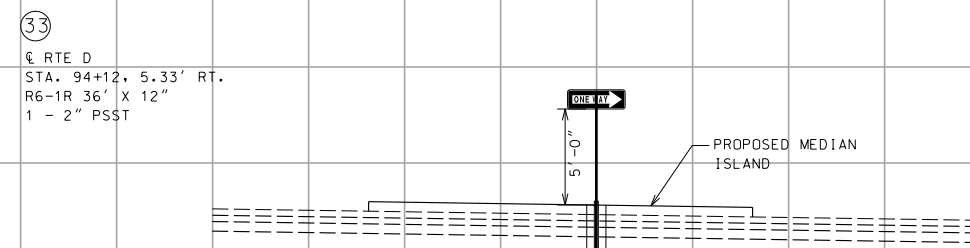
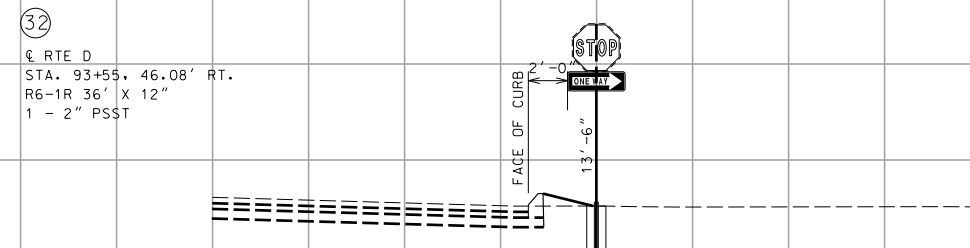
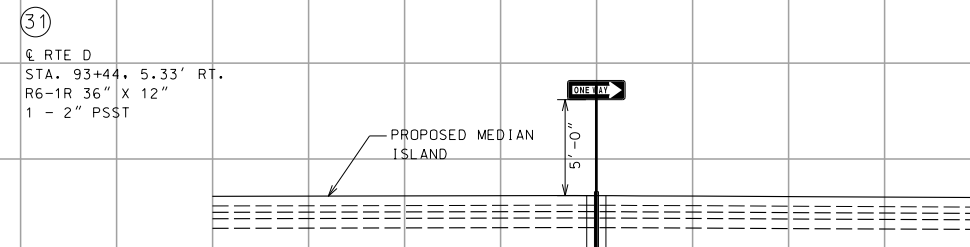
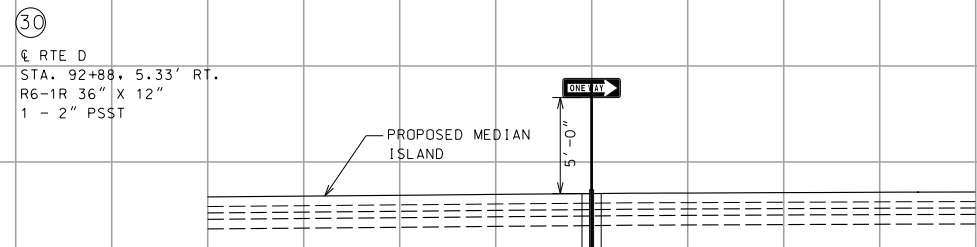
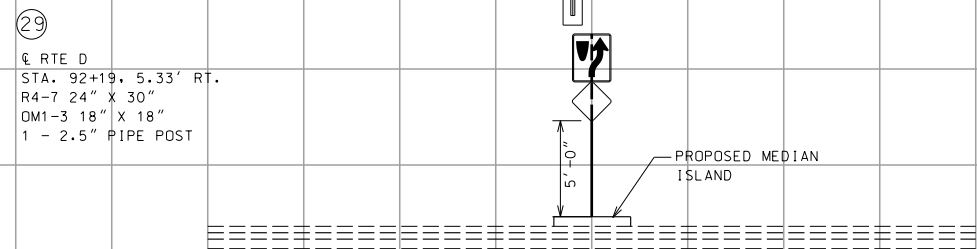
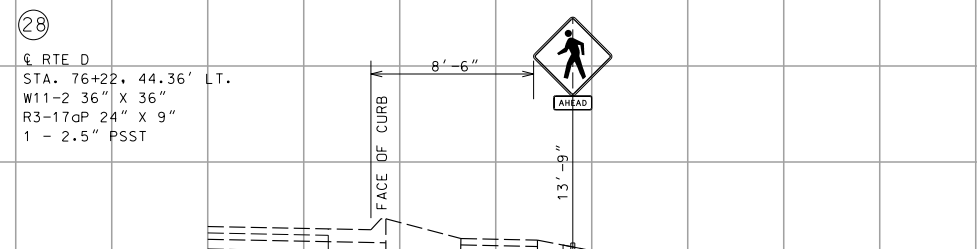
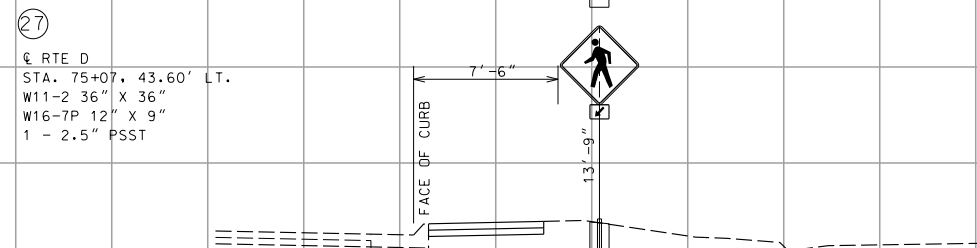
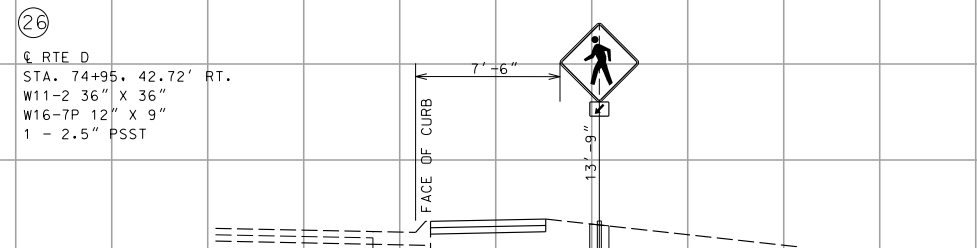
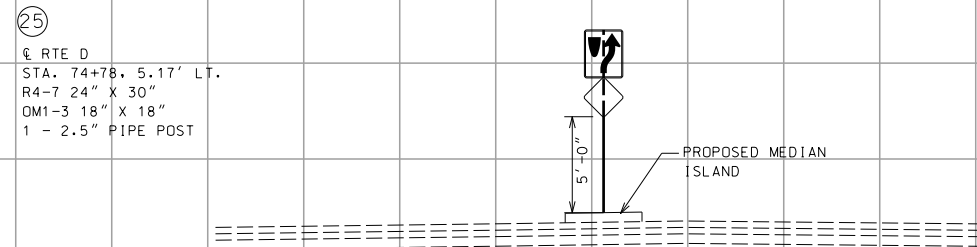
MISSOURI HIGHWAYS AND TRANSPORTATION



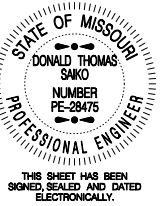
GARVER, LLC.
7509 NW TIFFANY SPRINGS
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KANSAS CITY, MO 64153
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CERTIFICATE OF AUTHORITY
NO. 2008013090

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





SIGN SECTIONS
SHEET 3 OF 6



DATE PREPARED
6/4/2026

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 85

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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COMMISSION

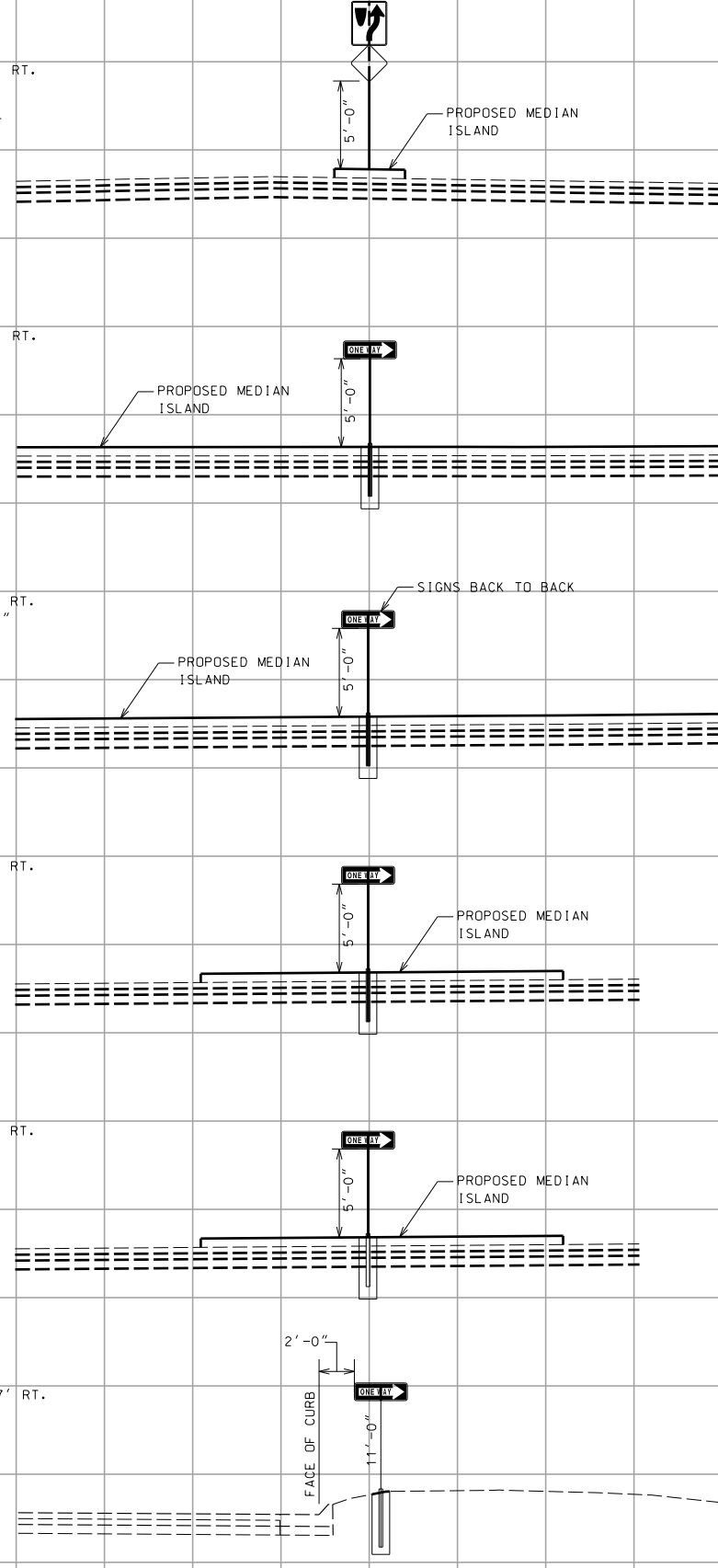
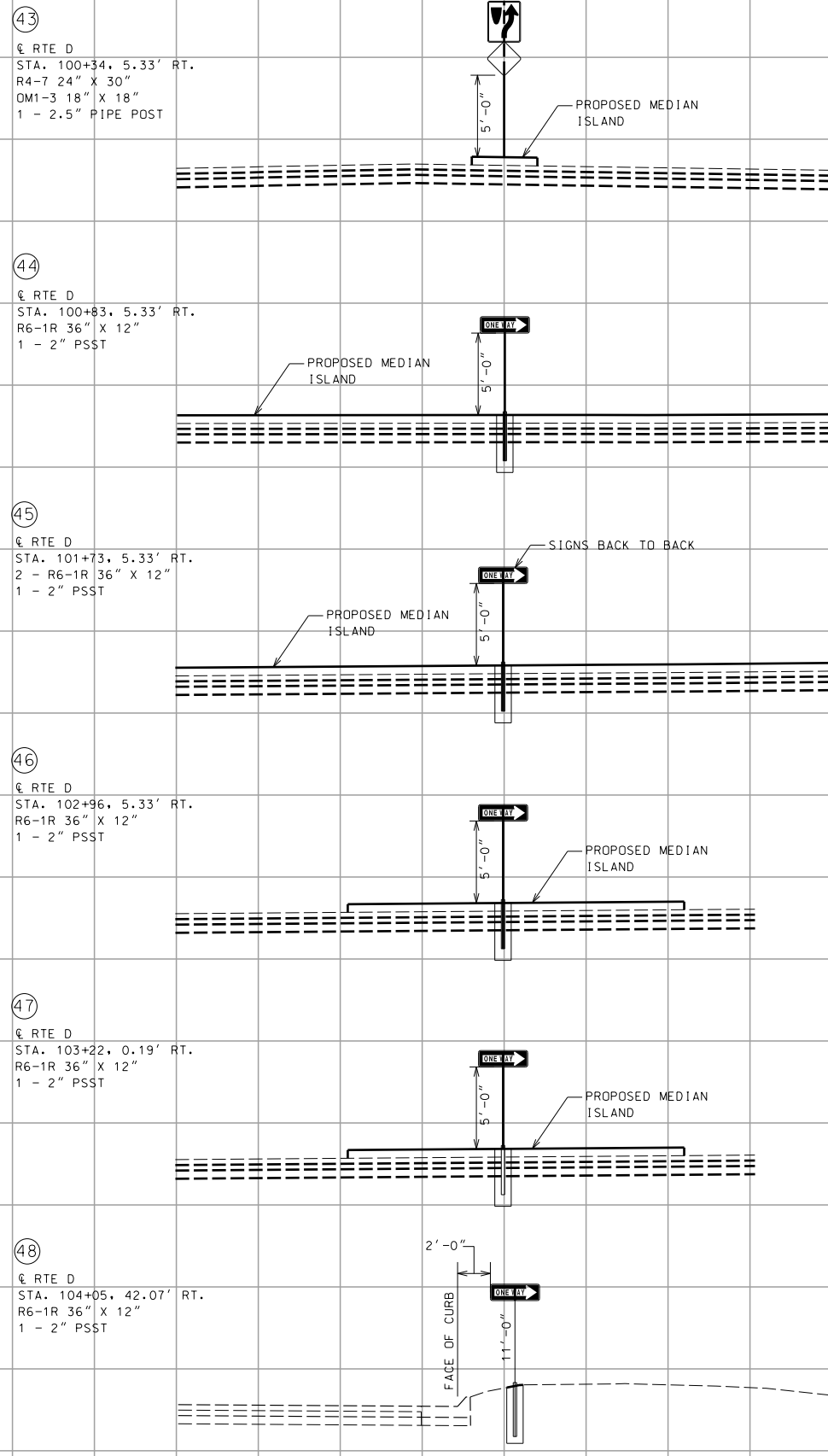


7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

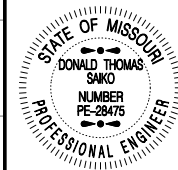


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



SIGN SECTIONS
SHEET 4 OF 6



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/4/2026

ROUTE	STATE
D	MO

D	MO
DISTRICT	SHEET NO
SW	86

SW	00
COUNTY	
GREENE	

GREENE
JOB NO.
1063433

J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

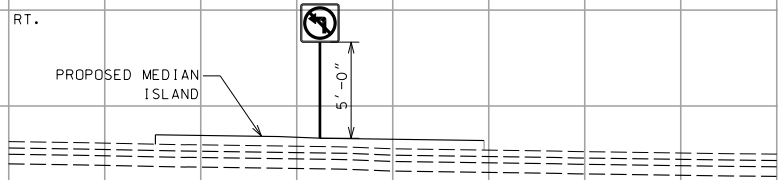
 105 WEST CAPITAL
JEFFERSON CITY, MO 65102

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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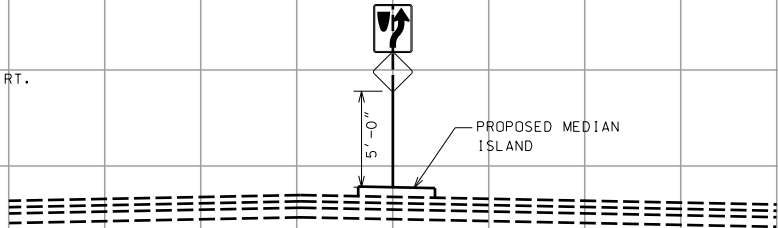
61

€ RTE D
STA. 127+70, 41.50' RT.
R3-2 24" X 24"
1 - 2.5" PIPE POST



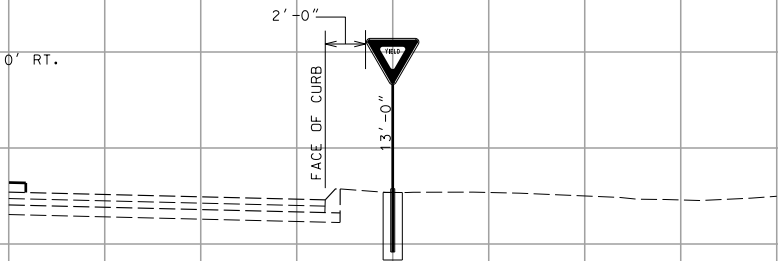
62

€ RTE D
STA. 127+78, 5.33' RT.
R4-7 24" X 30"
OM1-3 18" X 18"
1 - 2.5" PIPE POST



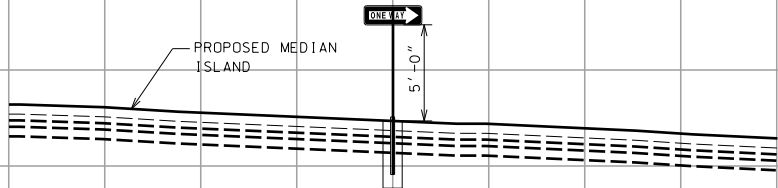
63

€ RTE D
STA. 127+94.50, 44.0' RT.
R1-2 36" X 36"
1 - 2.5" PSST



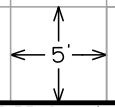
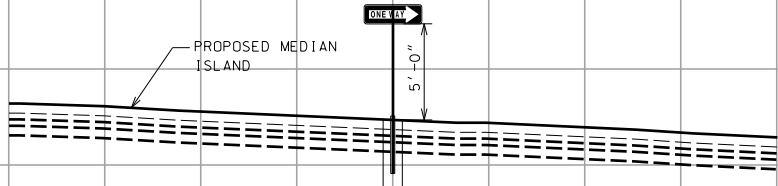
64

€ RTE D
STA. 127+95, 5.33' RT.
R6-1R 36" X 12"
1 - 2" PSST



65

€ RTE D
STA. 128+84, 5.33' RT.
R6-1R 36" X 12"
1 - 2" PSST



SIGN SECTIONS
SHEET 6 OF 6



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
6/4/2026

ROUTE D STATE MO

DISTRICT SW SHEET NO. 88

COUNTY GREENE

JOB NO. J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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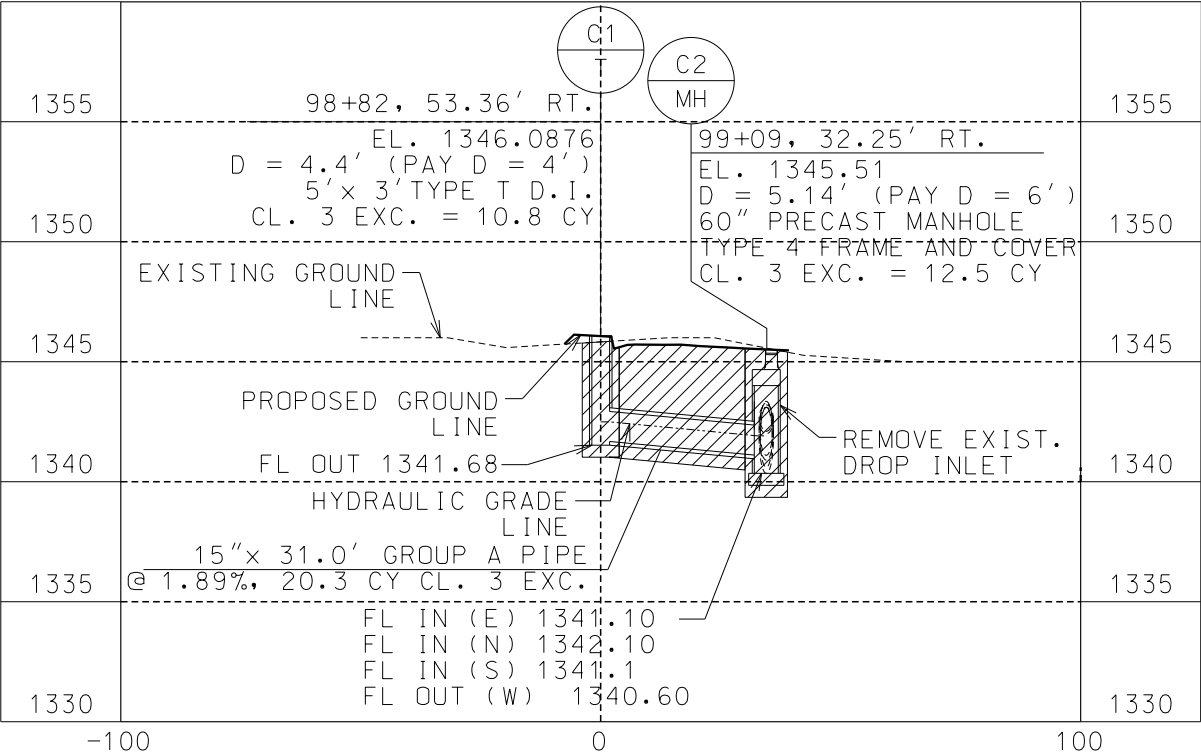
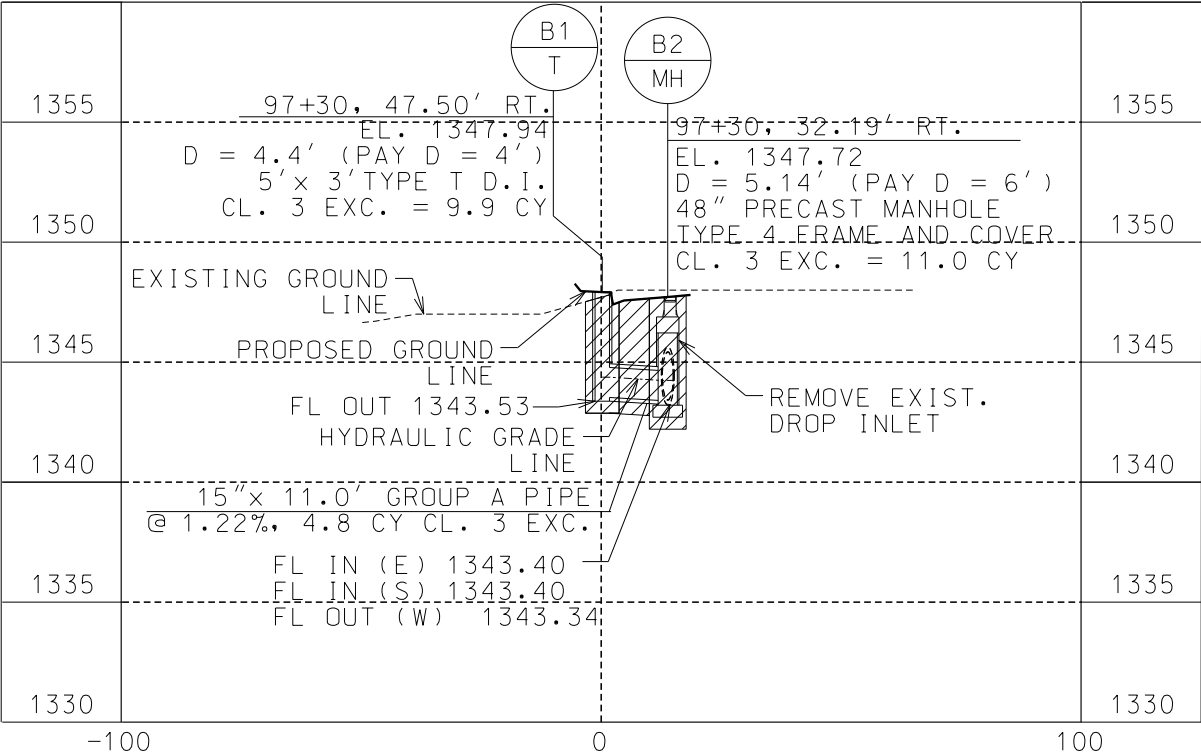
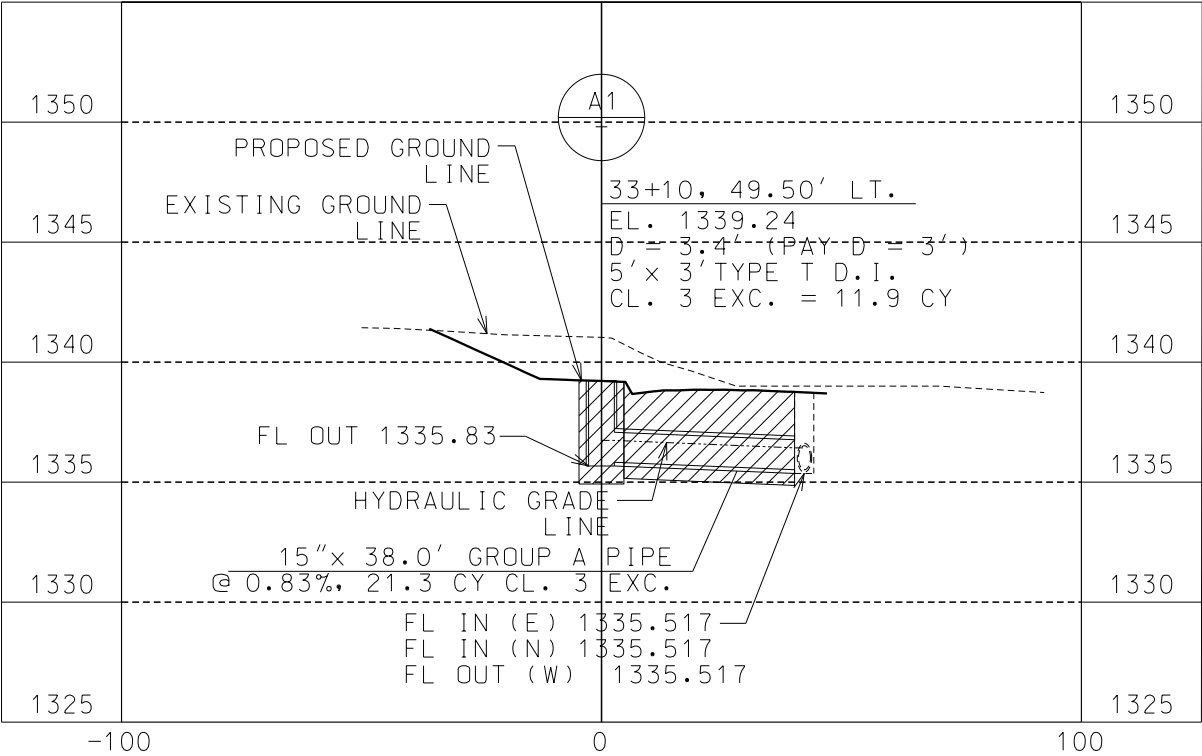
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DRAINAGE PROFILES
SHEET 1 OF 3

STATE OF MISSOURI

DONALD THOMAS SANKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
89

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

Garver, LLC

7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY NO. 2008013090

MoDOT

105 WEST CAPITOL

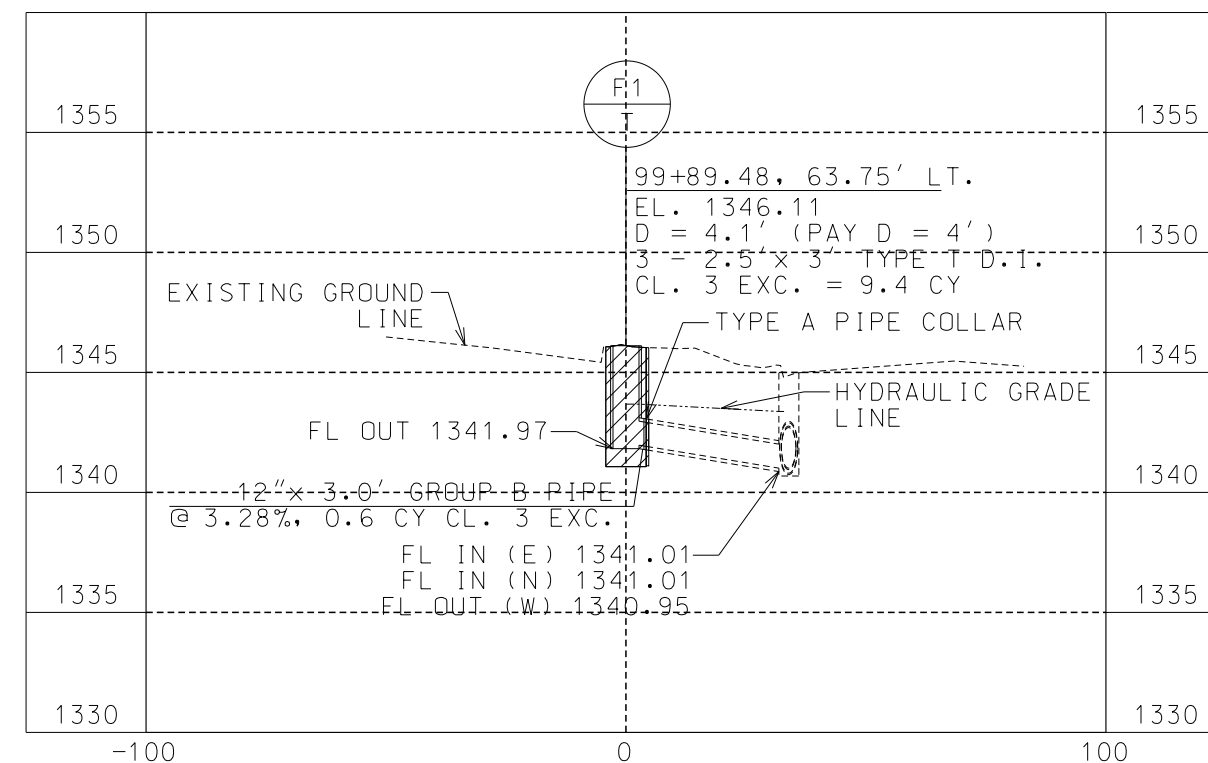
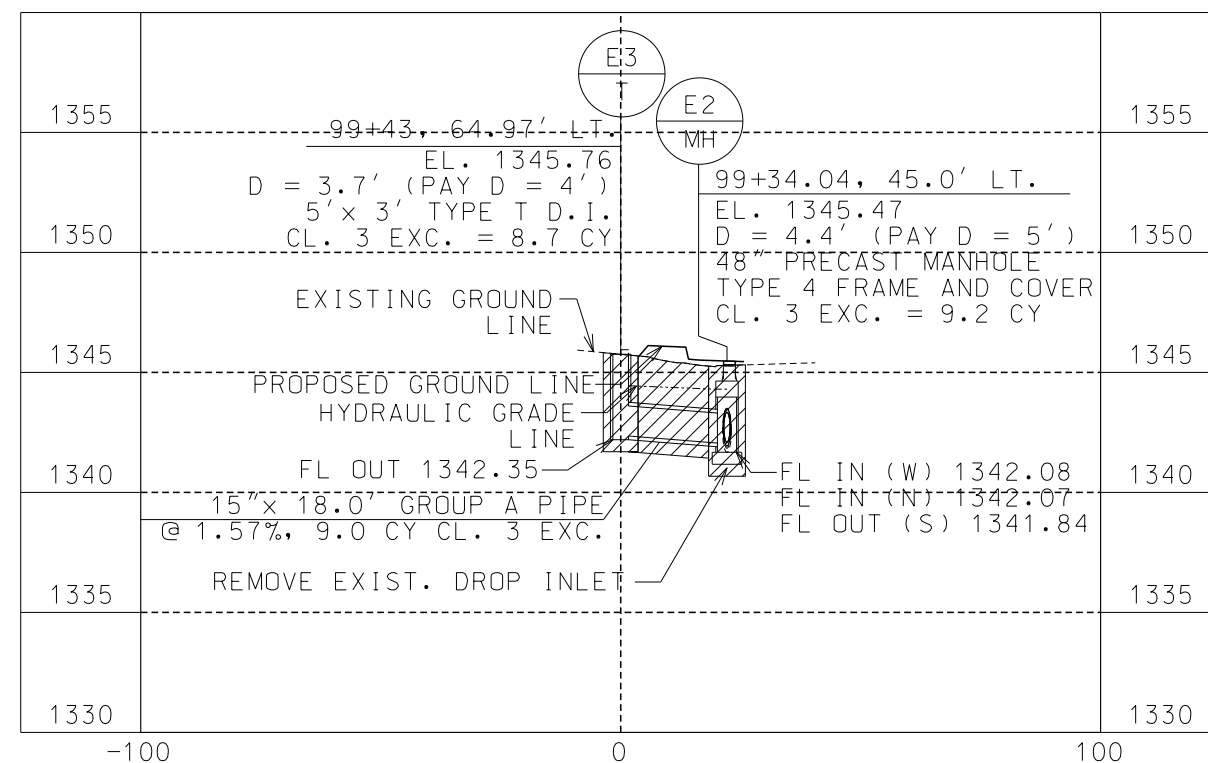
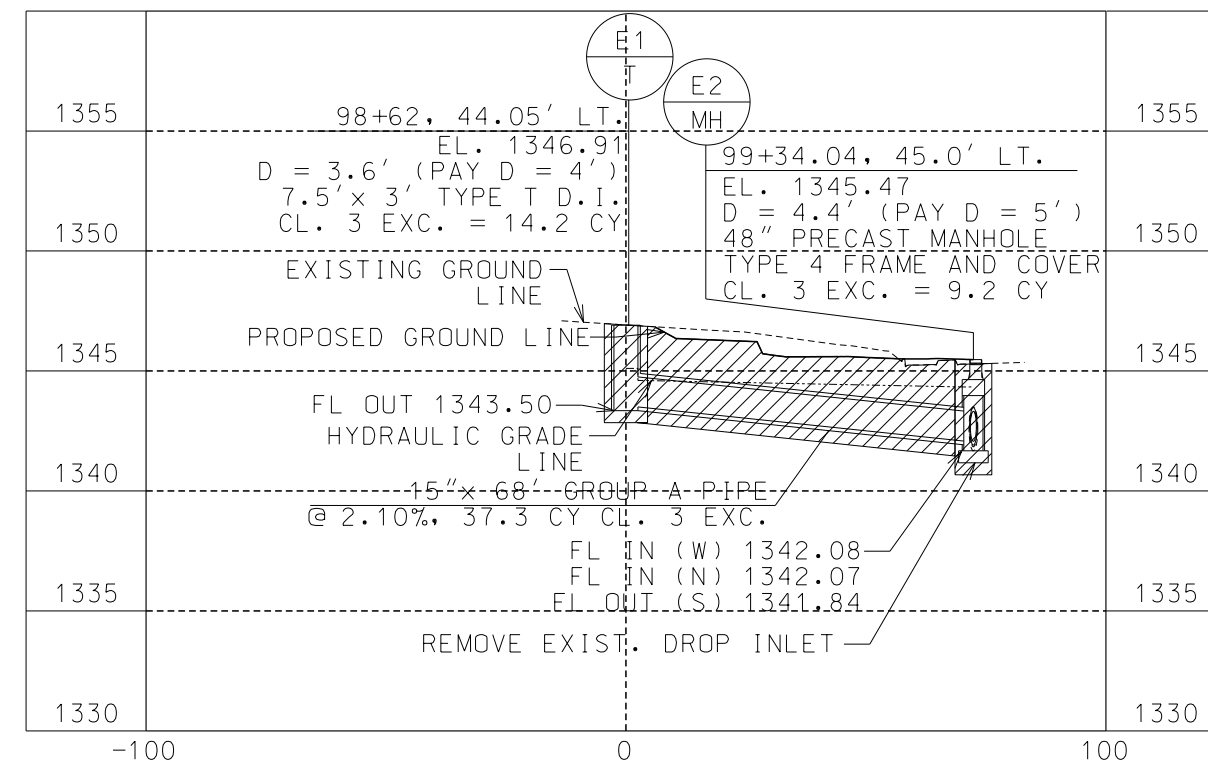
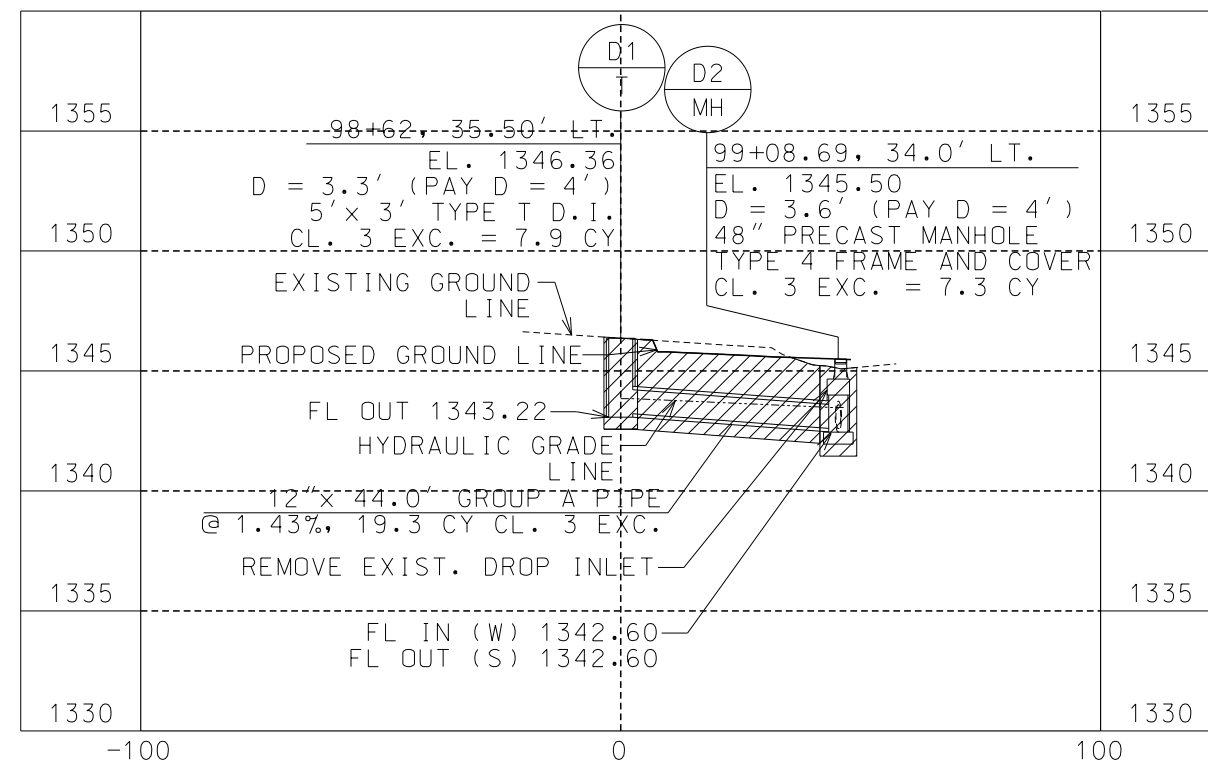
JEFFERSON CITY, MO 65102

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

garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\089_CS_01_J8S3133_11.dgn

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REV.



DRAINAGE PROFILES
SHEET 2 OF 3

STATE OF MISSOURI
DONALD THOMAS SANKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED
10/13/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
90

COUNTY
GREENE

JOB NO.
J8S3133

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

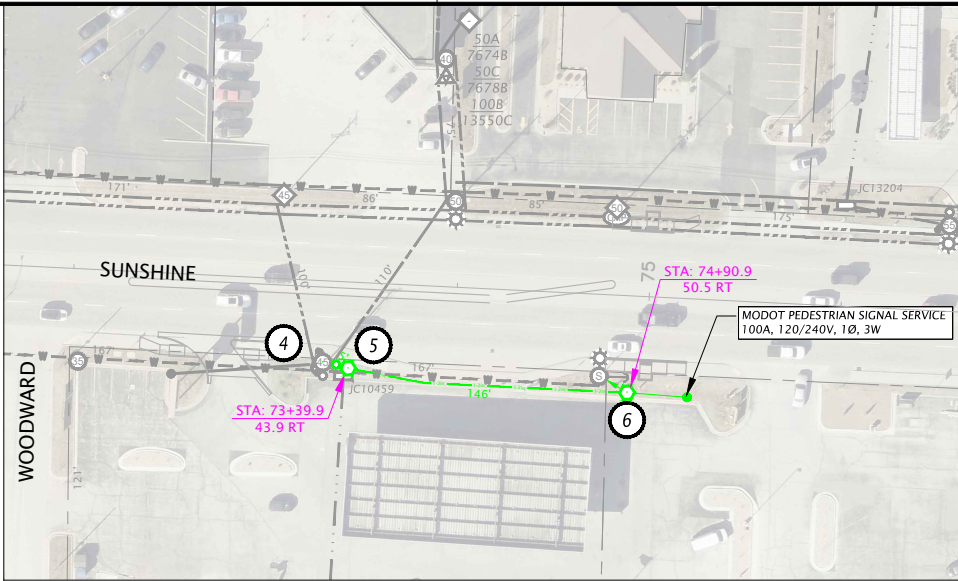
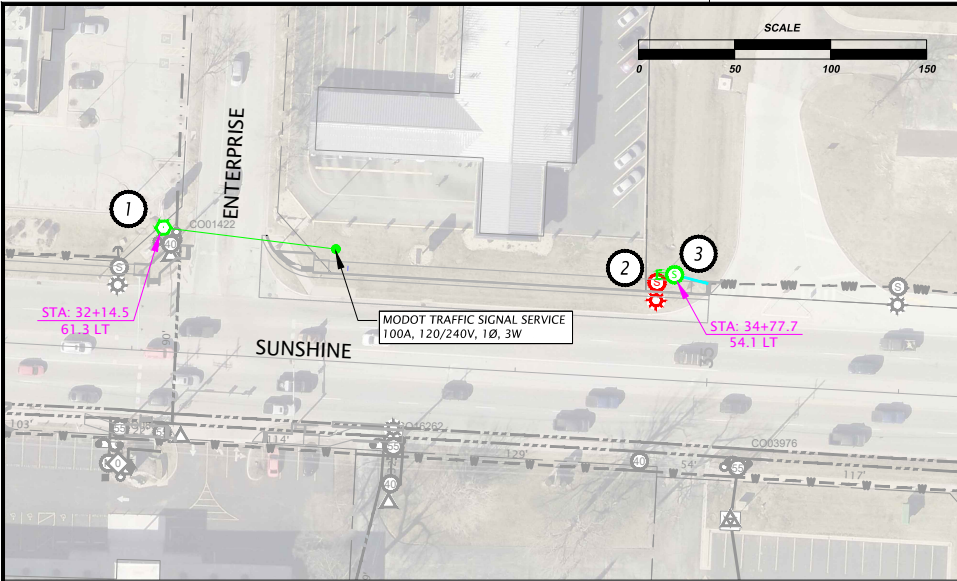
MoDOT

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

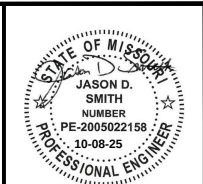
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

\\garverinc.local\gdata\Projects\2021\21T18700 - MoDOT Chestnut and Sunshine S-O Imps\Drawings\J8S3133 Sunshine\090_CS_02_J8S3133_11.dgn 2:06:05 PM 10/13/2025



- GENERAL NOTES**
- 1 CITY UTILITIES CONTACTS:
** **ELECTRIC CONDUIT INSPECTION 417-831-8709 ****
** **CONTACT 24 HOURS PRIOR TO INSPECTIONS AND RECEIVING C.U. MATERIAL ****
ENGINEERING: SETH DAY (ENGINEER, ELECTRIC LINE) 417-831-8712
 - 2 ALL CONTRACTOR WORK SHALL BE DONE IN COMPLIANCE WITH C.U. SPECIFICATIONS.
C.U. ELECTRIC DISTRIBUTION CONSTRUCTION STANDARDS AND HOW-TO VIDEOS CAN BE FOUND AT <https://www.cityutilities.net/business/construction/> OR SCAN QR CODE.
 - 3 C.U. ELECTRIC LINE ENGINEERING DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED.
 - 4 C.U. ELECTRIC SYMBOLS LEGEND CAN BE FOUND IN "GENERAL SPECIFICATIONS" SECTION OF C.U. ELECTRIC DISTRIBUTION CONSTRUCTION STANDARDS.
 - 5 C.U. WILL FURNISH SECONDARY PEDESTAL, STAND-OFF BRACKETS, RGS TO PVC ADAPTER(S), AND BELL END(S) FOR CONTRACTOR INSTALLATION. CONTRACTOR SHALL FURNISH ALL TRENCH BACKFILL MATERIAL. CONTRACTOR SHALL LOAD & TRANSPORT C.U.-FURNISHED MATERIAL FROM THE C.U. STOREROOM IS TYPICALLY OPEN FROM 9 AM TO 3 PM. AT THE STOREROOM, THE CONTRACTOR WILL NEED TO REFERENCE THE SEVEN-DIGIT PROJECT NUMBER FOR "CONDUIT BY OTHERS", AS SHOWN IN THE TITLE BLOCK OF THIS SHEET.
 - 6 CONTRACTOR SHALL TRENCH AS INDICATED IN NOTES, AND/OR BORE STREETS, DRIVEWAYS, PARKING LOTS, ETC. AS REQ'D.
 - 7 CONTRACTOR SHALL PRIMER ALL PVC-PVC CONNECTIONS PRIOR TO CEMENTING.
 - 8 CONTRACTOR SHALL INSTALL A PULL STRING IN ALL CONDUITS USED FOR 200 AMP INFRASTRUCTURE AND PULL TAPE (#2500 MIN) IN ALL CONDUITS USED FOR 600 AMP INFRASTRUCTURE TO ENSURE THE INTEGRITY OF THE CONDUIT. CONTRACTOR MUST PULL A MOUSE THROUGH CONDUIT WHILE THE CONTRACT INSPECTOR IS PRESENT.
 - 9 IF C.U. ENCOUNTERS PROBLEMS WITH THESE FACILITIES DURING THE INITIAL INSTALLATION OF CABLES, ELBOWS, ETC., CONTRACTOR SHALL REPAIR/REPLACE CONDUIT SYSTEM, TRANSFORMER PAD, JUNCTION BOX, ETC. PER C.U. REQUIREMENTS.
 - 10 CONTRACTOR SHALL CONTACT C.U. PRIOR TO BACKFILLING TRENCH. CONTRACTOR MAY BE REQUIRED TO EXPOSE CONDUIT INFRASTRUCTURE TO VERIFY SIZE, DEPTH, ETC. IF TRENCH IS BACKFILLED PRIOR TO INSPECTION.
 - 11 IN LIEU OF PVC CONDUIT, HIGH DENSITY POLYETHYLENE CONDUIT (HDPE) SDR-11 AND FITTINGS MAY BE SUBSTITUTED FOR CONDUIT SPECIFIED IN NOTES (EXCLUDING RISERS). CONTRACTOR SHALL FURNISH ALL POLYETHYLENE CONDUIT MATERIAL AND C.U.-APPROVED FITTINGS. PIPE SHALL BE BLACK PIPE WITH RED STRIPE. CONTRACTOR SHALL GET APPROVAL FROM INSPECTOR BEFORE SUBSTITUTION OF PVC CONDUIT. ANY ADDITIONAL COST INCURRED BY THE USE OF HDPE PIPE SHALL BE BORNE BY THE CONTRACTOR. A BORING LOG SHALL BE PROVIDED TO C.U. INSPECTOR FOR ALL ELECTRICAL CONDUIT BORING.
 - 12 ALL STREETLIGHT ANCHOR BOLTS SHALL BE GALVANIZED. CONTRACTOR SHALL ENSURE THAT STREETLIGHT CONCRETE FOUNDATIONS HAVE SUFFICIENT ANCHOR BOLT LENGTH AND PROPER BOLT CIRCLE FOR POLE INSTALLATION. IF ANCHOR BOLT INSTALLATION OR CONCRETE BASE INSTALLATION IS FOUND UNACCEPTABLE BY C.U., CONTRACTOR SHALL REPAIR OR REPLACE FOUNDATION.



ENGINEER:
JASON SMITH

LICENSE NO.:
PE-2005022158

DATE
10-8-25

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
E1

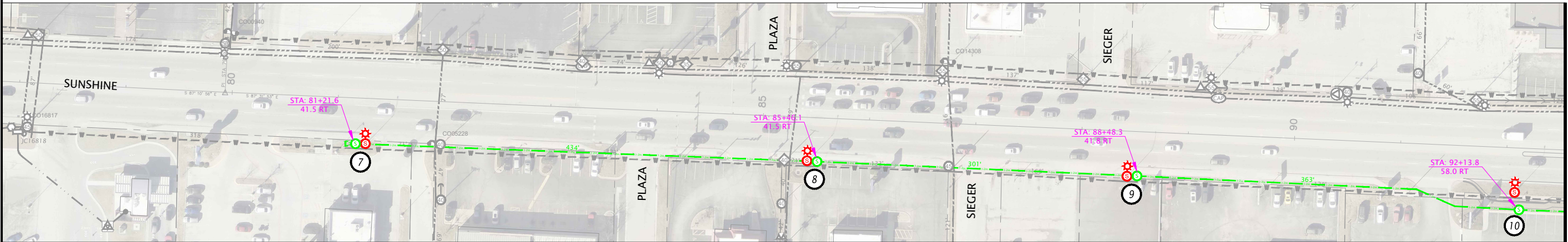
COUNTY
GREENE

JOB NO.
J8S3133

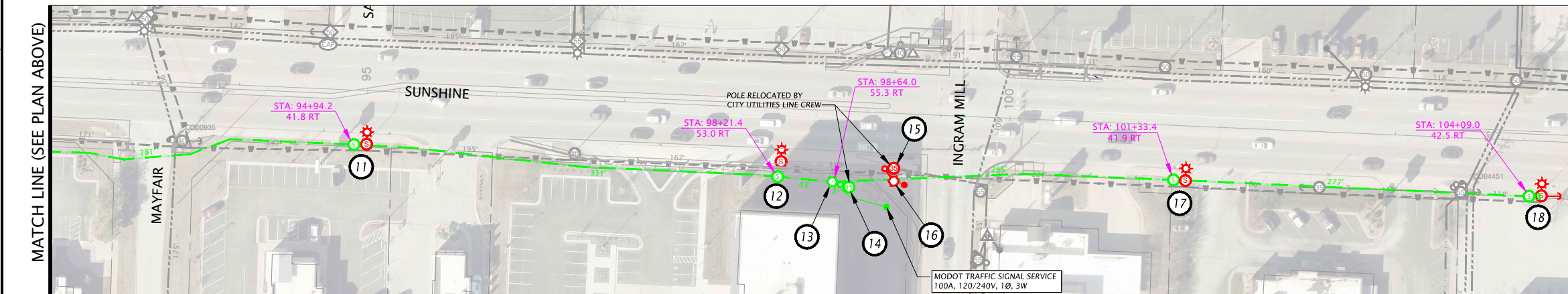
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



MATCH LINE (SEE PLAN BELOW)



MATCH LINE (SEE PLAN ABOVE)

CITY UTILITIES ELECTRIC QUANTITIES		
DESCRIPTION OF BID ITEM*	UNIT	QTY
INSTALL CONCRETE STREETLIGHT POLE FOUNDATION W/REBAR (CF24)	EA	9
REMOVE CONCRETE STREETLIGHT POLE FOUNDATION	EA	8
REMOVE STEEL STREETLIGHT POLE FOUNDATION	EA	1
FURNISH/INSTALL SECONDARY RISER START (SR-2CP)	EA	2
INSTALL SECONDARY PEDESTAL (SP-2C)	EA	2
INSTALL SECONDARY PEDESTAL FOR SIDEWALK INSTALLATION (SP-SW)	EA	1
REMOVE SECONDARY RISER	EA	1
REMOVE SECONDARY PEDESTAL	EA	1
INSTALL 2" PVC CONDUIT IN TRENCH (PVC-2)	FT	1371
INSTALL (1) 2" HDPE CONDUIT BORED	FT	1030

*SPECIAL NOTE:
CONDUIT ELBOW(S), CONDUIT COUPLINGS AND CONDUIT PLUGS ARE NOT INCLUDED IN THE ELECTRIC QUANTITIES BID ITEM ESTIMATE. THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS. ADJUST CORRESPONDING BID PRICES FOR PEDESTAL(S), JUNCTION CABINET(S), CONDUIT OR ETC. AS NECESSARY TO COVER COST OF INCIDENTAL ITEMS.

CONTRACTOR UNDERGROUND DISTRIBUTION CONSTRUCTION

E11 ~ 7007016/8002988 ~ UGD ~ 107000/108010

- 1 **INSTALL:** 1 EACH SP-SW
1 EACH P218-45V
- NOTE: INTERCEPT EXISTING CONDUIT AND INSTALL NEW SECONDARY PEDESTAL IN PLACE OF EXISTING MODOT POWER SUPPLY.
- 2 **REMOVE:** 1 EACH SLSB
- 3 **INSTALL:** 1 EACH CF24-6-145-B
1 EACH P224-90V
- NOTE: SWEEP EXISTING CONDUIT TO NEW FOUNDATION. CAP AND FACE SPARE CONDUIT WEST.
- 4 **INSTALL:** 1 EACH SR-2CP
- 5 **INSTALL:** 1 EACH SP-2C
2 EACH P224-90V
- 6 **INSTALL:** 1 EACH SP-2C
2 EACH P224-90V
- NOTE: CAP AND FACE CONDUIT NORTHWEST FOR FUTURE LIGHTING.

CONTRACTOR UNDERGROUND DISTRIBUTION CONSTRUCTION

E11 ~ 7007016/8002988 ~ UGD ~ 107000/108010

- 7 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- NOTE: CAP AND FACE SPARE CONDUIT WEST.
- 8 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- 9 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- 10 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- 11 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION

CONTRACTOR UNDERGROUND DISTRIBUTION CONSTRUCTION

E11 ~ 7007016/8002988 ~ UGD ~ 107000/108010

- 12 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- 13 **INSTALL:** 1 EACH SP-2C
3 EACH P224-90V
- 14 **INSTALL:** 1 EACH SR-2CP
- 15 **REMOVE:** 1 EACH SR-2CP
- 16 **REMOVE:** 1 EACH SP-2C
2 EACH P224-90V
- 17 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- 18 **INSTALL:** 1 EACH CF24-6-145-B
2 EACH P224-90V
- REMOVE:** 1 EACH CONCRETE FOUNDATION
- NOTE: CAP AND FACE SPARE CONDUIT EAST.

CONTRACTOR UNDERGROUND DISTRIBUTION CONSTRUCTION

E11 ~ 7007016/8002988 ~ UGD ~ 107000/108010

- 4-6 **INSTALL:** 121 FEET UT-S24
30 FEET UT-BORE-224 (2" HDPE)
121 FEET PVC-2
2 EACH ELOC2
- NOTE: BORE UNDERNEATH SIDEWALK AS NEEDED.
- 7-18 **INSTALL:** 1245 FEET UT-S24
1000 FEET UT-BORE-224 (2" HDPE)
1245 FEET PVC-2
36 EACH ELOC2
- NOTE: BORE UNDERNEATH EXISTING DRIVEWAYS SIDEWALKS AND STREET CROSSINGS.
- 13-14 **INSTALL:** 5 FEET UT-S24
5 FEET PVC-2



EXISTING
INSTALL
REMOVE
REPLACE or TRANSFER
NOTE TO G.I.S. DEPT.

CITY UTILITIES
ELECTRIC PLAN
SHEET 1 OF 1

ELECTRIC LINE CONSTRUCTION		PROJECT NUMBERS		
114 SEC. SEC-TWING-RING: SE 29-29-21; NW 33-29-21; NE 33-29-21	☒ LOCATES REQD	WORK TYPE	OH	UG
CONSTRUCTION: ☐ OVERHEAD ☒ UNDERGROUND	☐ CUSTOMER TREE TRIM	TRANSMISSION		
VOLTAGE: ☐ 0V ☐ 120V ☐ 240V ☐ 7.62KV	☐ CU TREE TRIM	DISTRIBUTION		
☐ 13.2KV ☐ 69KV ☐ 161KV ☐ 345KV	☐ SPRINGNET - WORK REQD			
SUB/FEEDER(S): GAL-4 HOT LINE TAG AVAILABLE: ☒	☐ CATV - WORK REQD	CONDUIT (BY OTHERS)		7007016 8002988
SUB/FEEDER(S): ING-3 & 4 HOT LINE TAG AVAILABLE: ☒	☐ PHONE - WORK REQD	STREETLIGHT		ELOC04
CREW LEADER:	☒ MODOT PERMIT REQD	OTHER		
COMPLETION DATE:	☐ EASEMENT REQD			

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



EAST SUNSHINE ENTERPRISE TO OLD INGRAM MILL LIGHT RELOCATIONS AND SERVICES FOR SAFETY/OPS IMPROVEMENTS	SCALE 1" = 50'	DATE 10-8-25
	PROJECT NO. 252044	SHEET 1 OF 1
CITY UTILITIES	DESIGNED BY DAY	REVIEWED/APPROVED BY SMITH

DESIGN DESIGNATION

A.A.D.T. - 2024 = 31,757
A.A.D.T. - 2044 = 35,088
D.H.V. = 7.45%
T = 5.04%
V = 40 M.P.H.
D = 50.1% / 49.9%

FUNCTIONAL CLASSIFICATION -
PRINCIPAL ARTERIAL (SUNSHINE ST. W/O EASTGATE AVE.)
MINOR ARTERIAL (SUNSHINE ST. E/O EASTGATE AVE.)

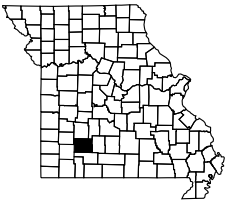
PERMANENT AND TEMPORARY
CONSTRUCTION EASEMENTS
TO BE ACQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

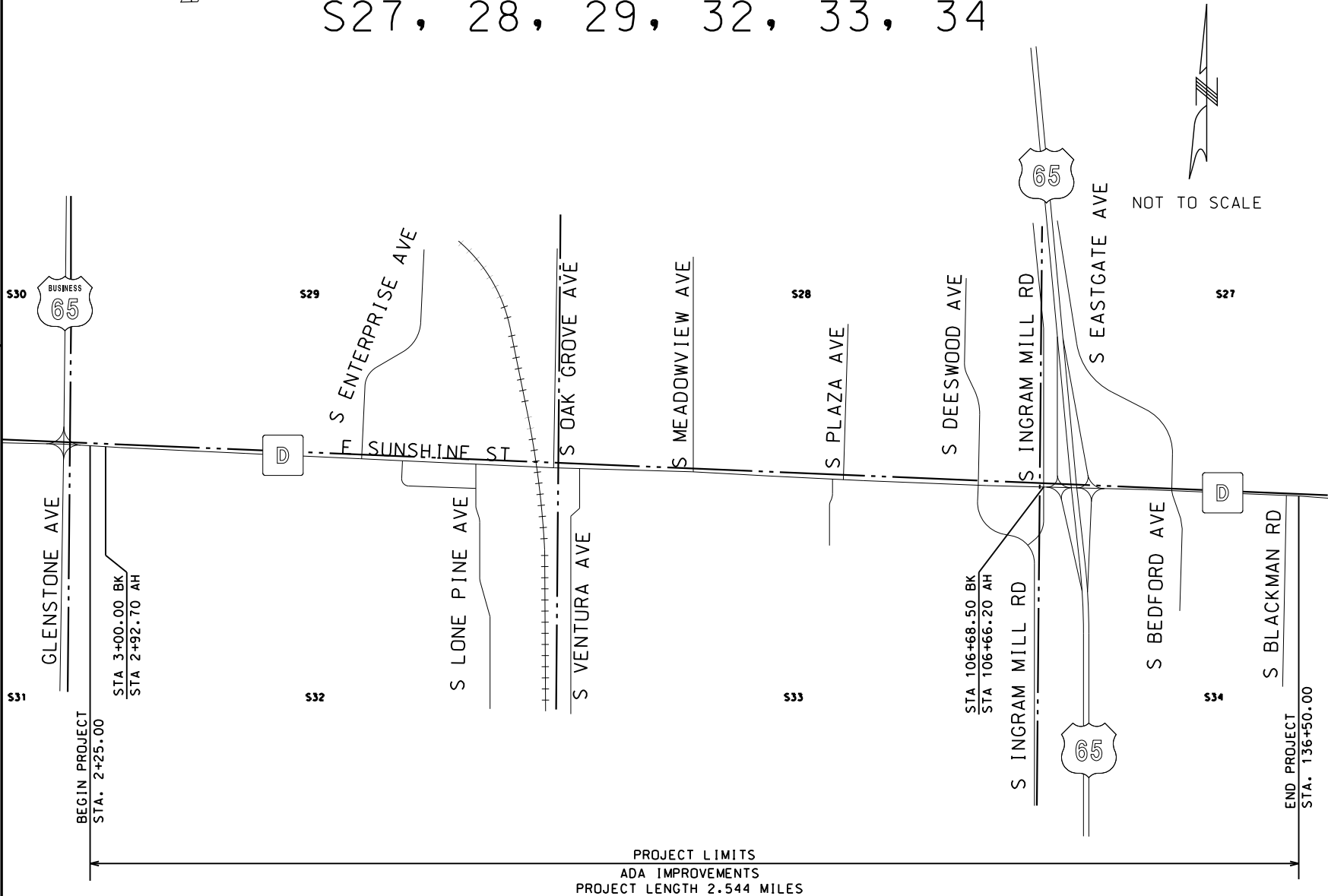
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-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		
WOVEN WIRE		
GATE POST		
BENCHMARK		
USE IN PLACE	(UIP)	
REMOVE	(R)	
REMOVE AND REPLACE	(R&R)	
REMOVE AND REPLACE BY OTHERS	(R&RBO)	
REMOVE AND RELOCATE	(R&RELOC)	
REMOVE AND RELOCATE BY OTHERS	(R&RELOCBO)	
ADJUST TO GRADE	(ATG)	
DO NOT DISTURB	(DND)	
FLAT BOTTOM DITCH	(FBD)	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY



GREENE COUNTY
T29N R21W
S27, 28, 29, 32, 33, 34

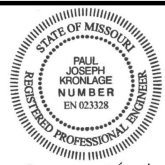


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THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION 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.

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Paul J. Kronlage
12/18/2025 6:40:41 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE
D MO

DISTRICT SW SHEET NO. 1

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

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LENGTH OF PROJECT

ROUTE D SPRINGFIELD

BEGIN PROJECT STA. 2+25.00
END PROJECT STA. 136+50.00

APPARENT LENGTH 13425 FEET
EQUATIONS AND EXCEPTIONS:
STA 3+00.00 BK = STA 2+92.70 AH +7.3 FEET
STA 106+68.50 BK = STA 106+66.20 AH +2.3 FEET

TOTAL CORRECTIONS +9.6 FEET
NET LENGTH OF PROJECT 13434.60 FEET
STATE LENGTH 2.544 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 1.0 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

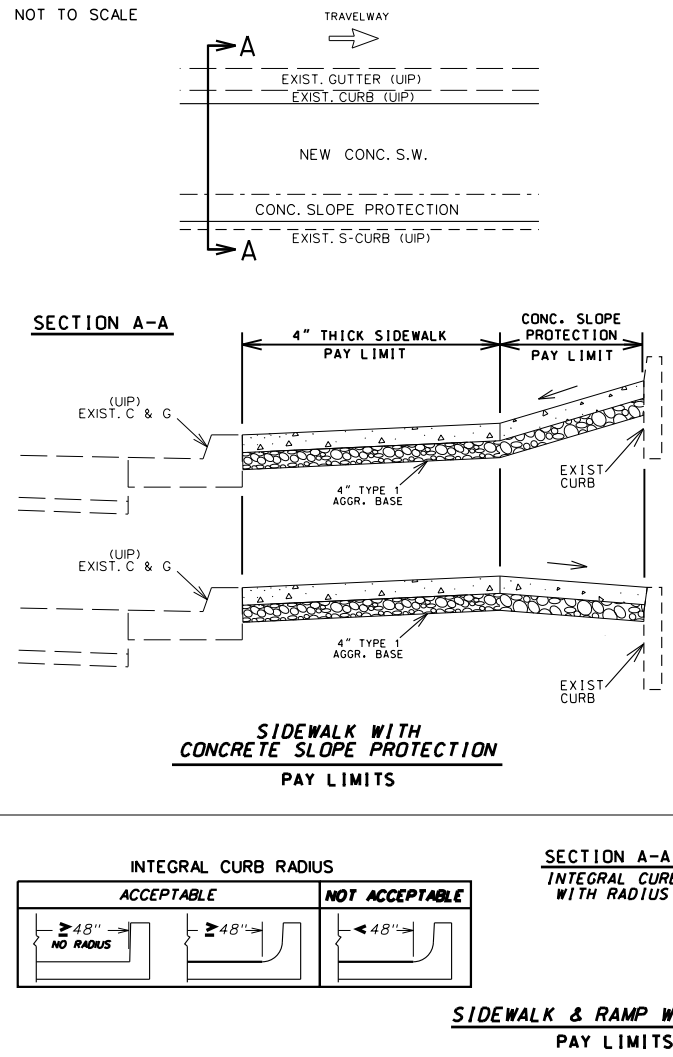
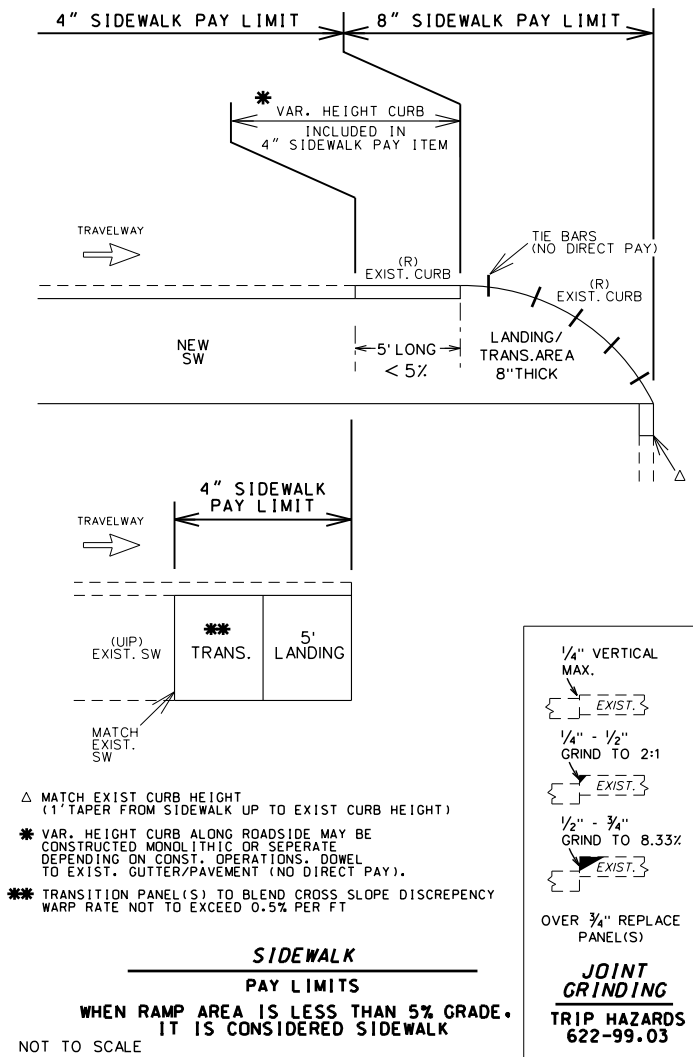
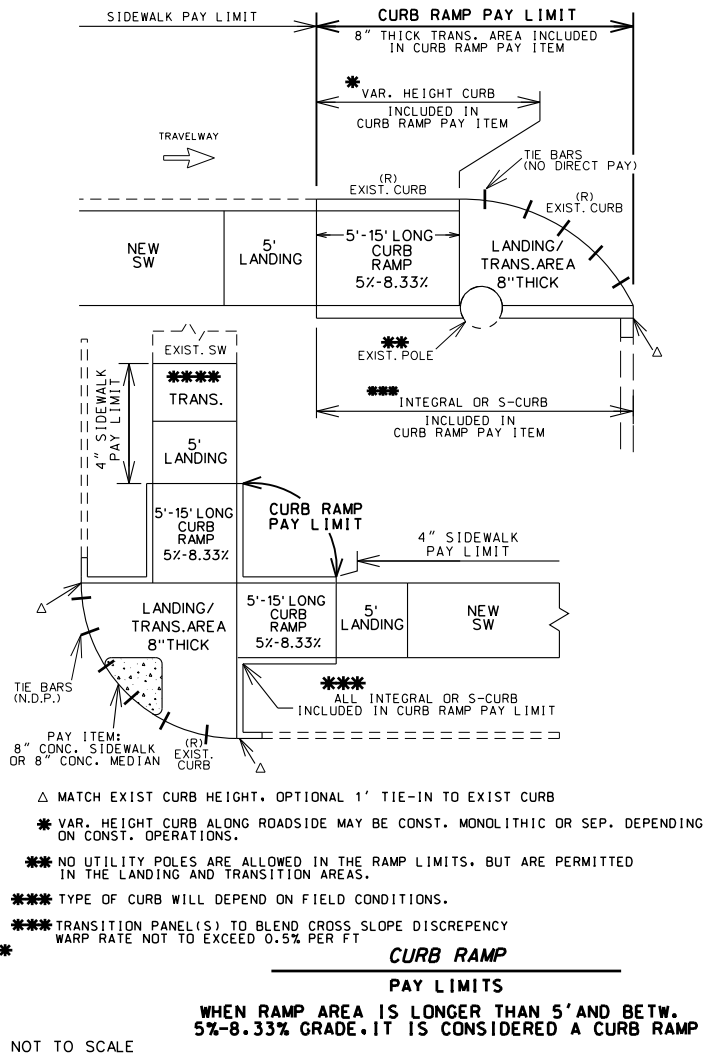
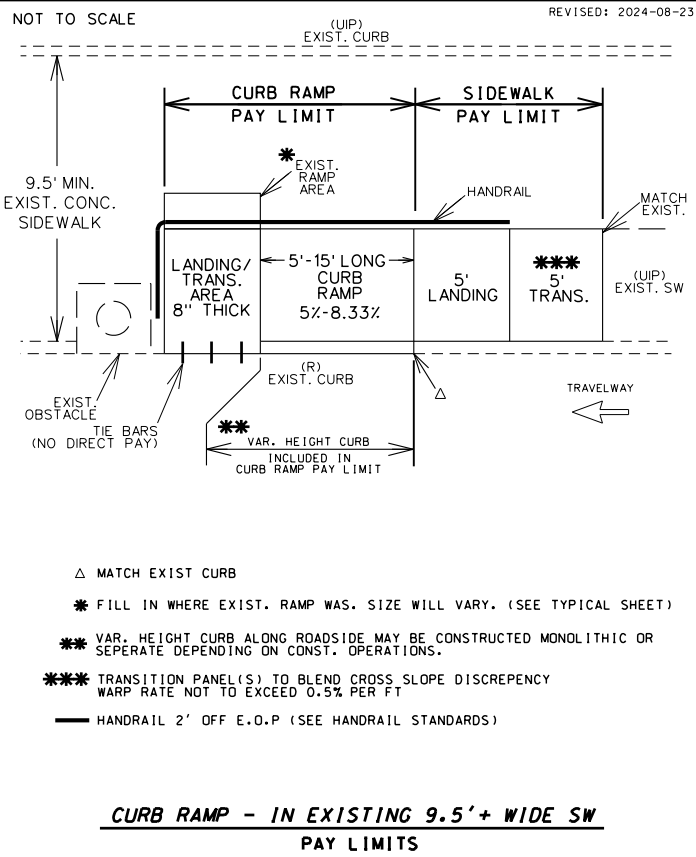
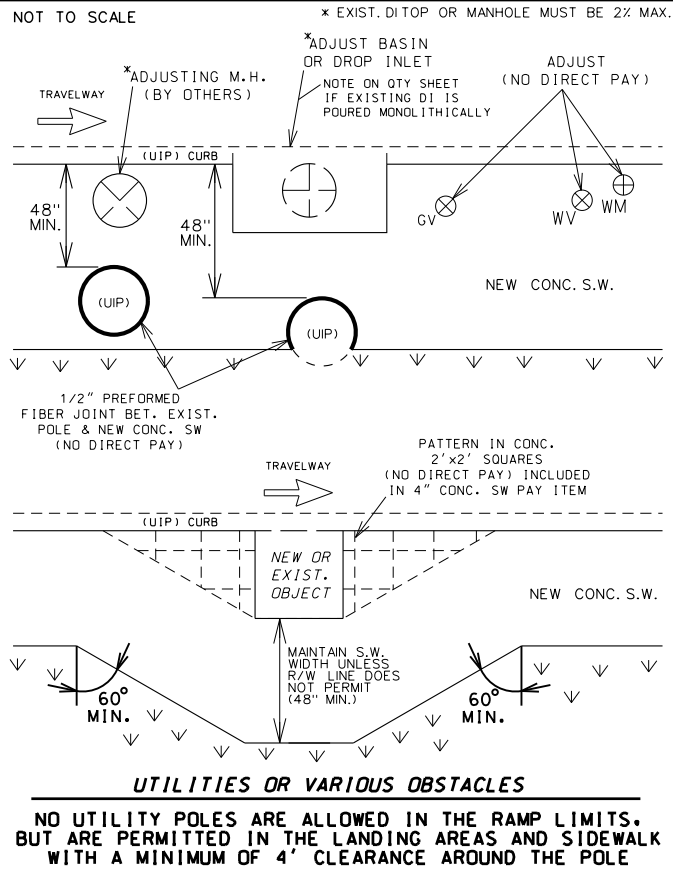


EFK Moen

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

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE ON 4" TYPE 1 AGGREGATE BASE.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.
- CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
SLOPE IN ALL DIRECTIONS = 1% PREFERRED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFERRED (2% MAX.) TOWARD THE STREET. CURB RAMP ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMP OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.



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

Paul J. Kronlage

12/18/2025 6:41:08 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 2

COUNTY GREENE
JOB NO. J8S3153
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)

MoDOT

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

REV.

PARALLEL - TYPE 2											
TYPE 2-A											
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	9.1	10.6	-	11.8	13.7	-	14.4	16.8	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	14.7	17.0	-	16.7	19.4	-	19.3	22.5	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	8.0	8.3	-	8.6	8.8	-	9.6	9.8	

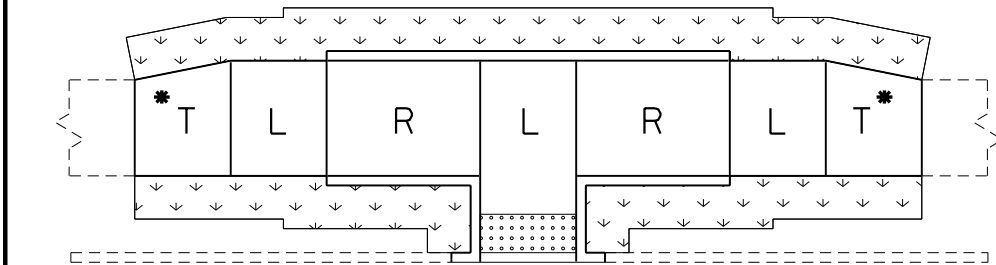
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CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	13.8	14.1	-	15.1	15.5	-	17.1	17.5	

TYPE 2-C											
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
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TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	16.4	18.7	-	21.7	24.9	-	27.0	31.2	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6	
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	12.3	12.5	-	13.6	13.9	-	15.6	15.9	

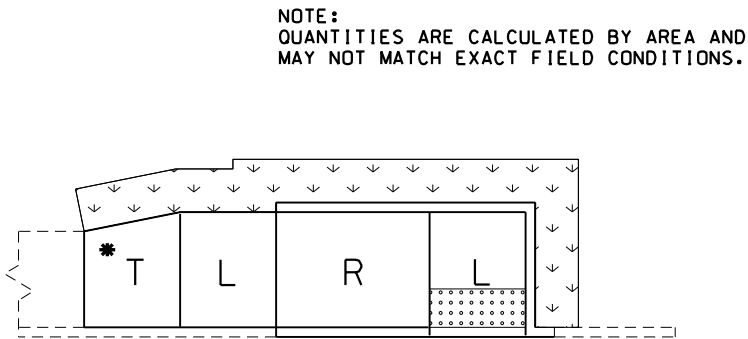
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CURB RAMP	SY	-	16.8	19.2		-	22.2	25.4	-	27.5	31.6	
CONC. SIDEWALK	SY	-	11.2	12.8		-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	28.0	32.0		-	32.0	36.8	-	37.3	43.0	
ADA LINEAR GRADING	LF	-	41.0	41.0		-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	20.2	20.3		-	22.4	23.2	-	26.4	27.2	

TYPE 2-E												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP	SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3		
CONC. SIDEWALK	SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0		
TYPE 1 AGGREGATE	SY	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3		
ADA LINEAR GRADING	LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5		
SODDING	SY	-	-	-	-	-	-	-	-	-		
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH	

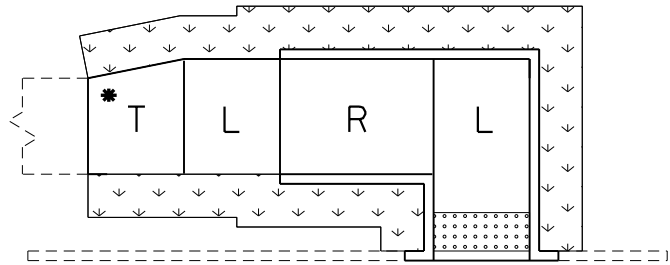
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CURB RAMP	SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9		
CONC. SIDEWALK	SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0		
TYPE 1 AGGREGATE	SY	-	26.7	30.5	-	30.4	35.1	-	35.5	40.9		
ADA LINEAR GRADING	LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0		
SODDING	SY	-	-	-	-	-	-	-	-	-		
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH	



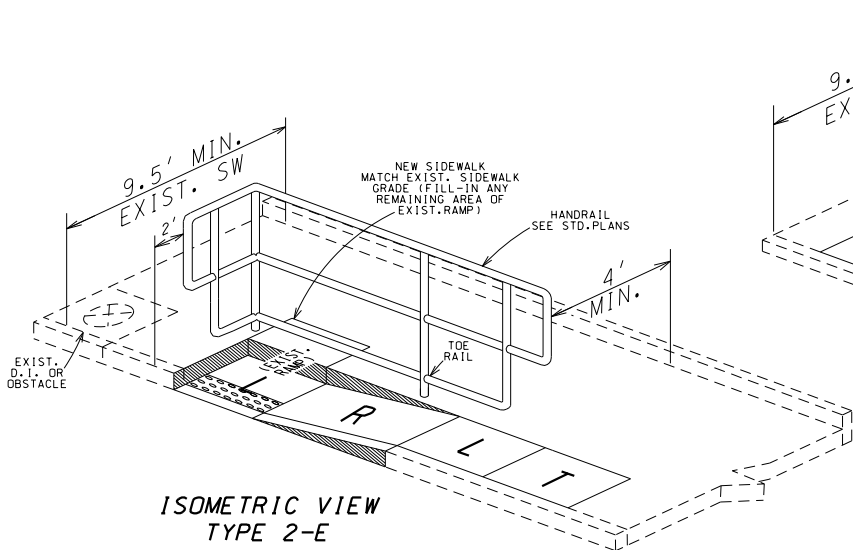
TYPE 2-D



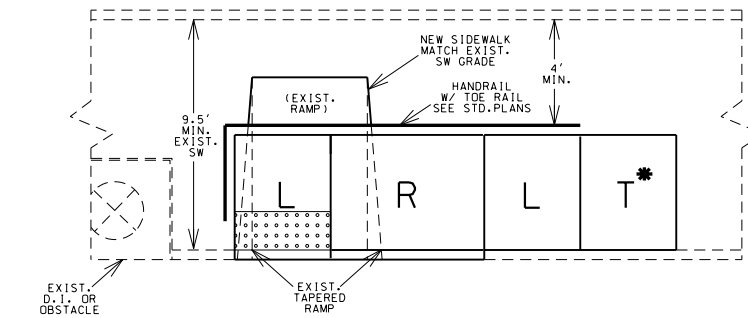
TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-E



TYPE 2-E

USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE
SEE STANDARDS FOR HANDRAIL SPECS

** 3.5' LANDING EXTENSION REQ'D. FOR INSTALLATION OF FUTURE OR NEW PED. PUSH BUTTON

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

----- TRUNCATED DOME

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

T - TRANSITION TO EXISTING SW
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

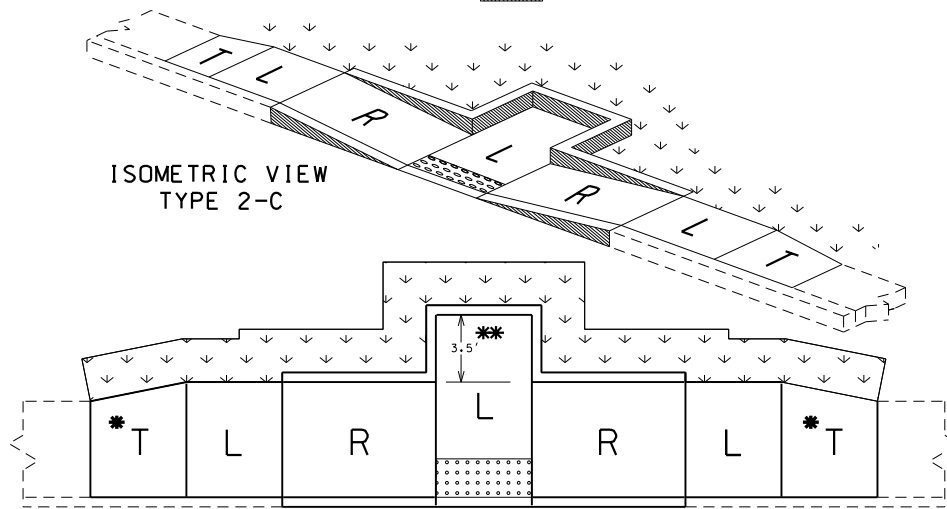
L - LANDING

R - RAMP

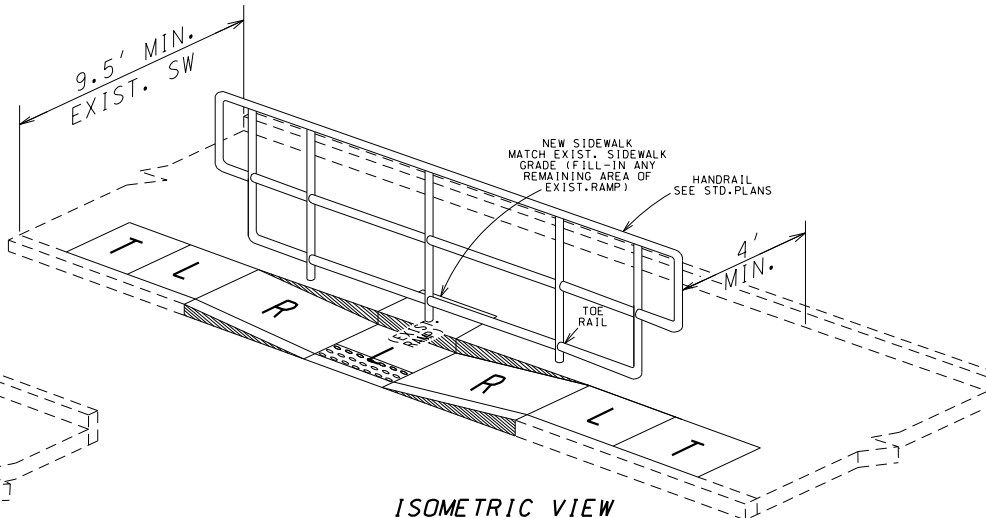
----- SOD SLOPE 6:1 MIN.

----- CURB RAMP PAY LIMITS

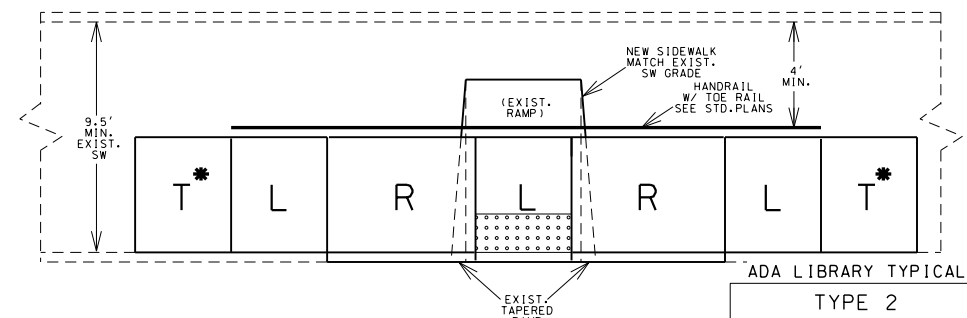
ISOMETRIC VIEW
TYPE 2-C



TYPE 2-C



ISOMETRIC VIEW
TYPE 2-F



TYPE 2-F

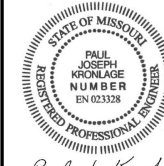
SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SECTION
SHEET 3 OF 9

REVISED: 2022-05-18



Paul J. Kronlage
12/18/2025 6:41:31 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 2

COUNTY GREENE

JOB NO. J8S3153

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)

Missouri Certificate of Authority: 001578

EFK Moen

Civil Engineering Design

13523 Barrett Parkway Dr

Suite 250

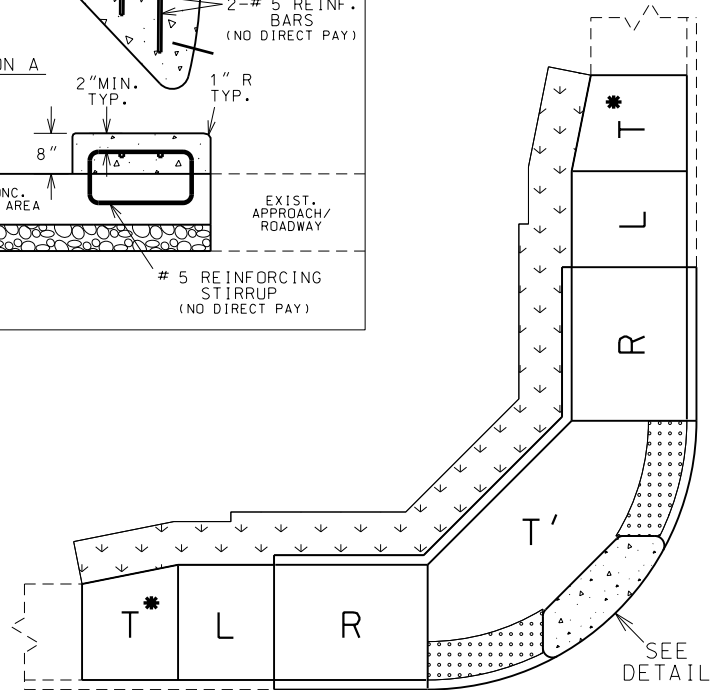
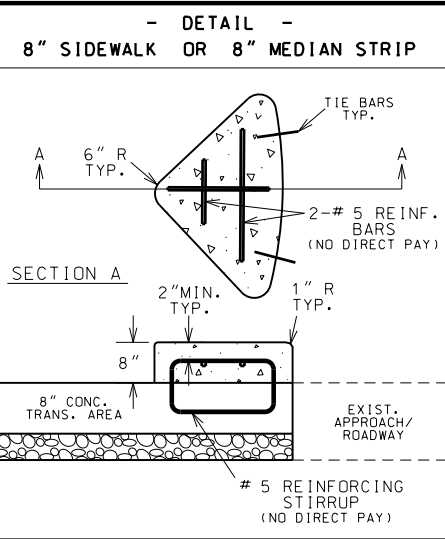
St. Louis, MO 63021

Phone 314-394-3100

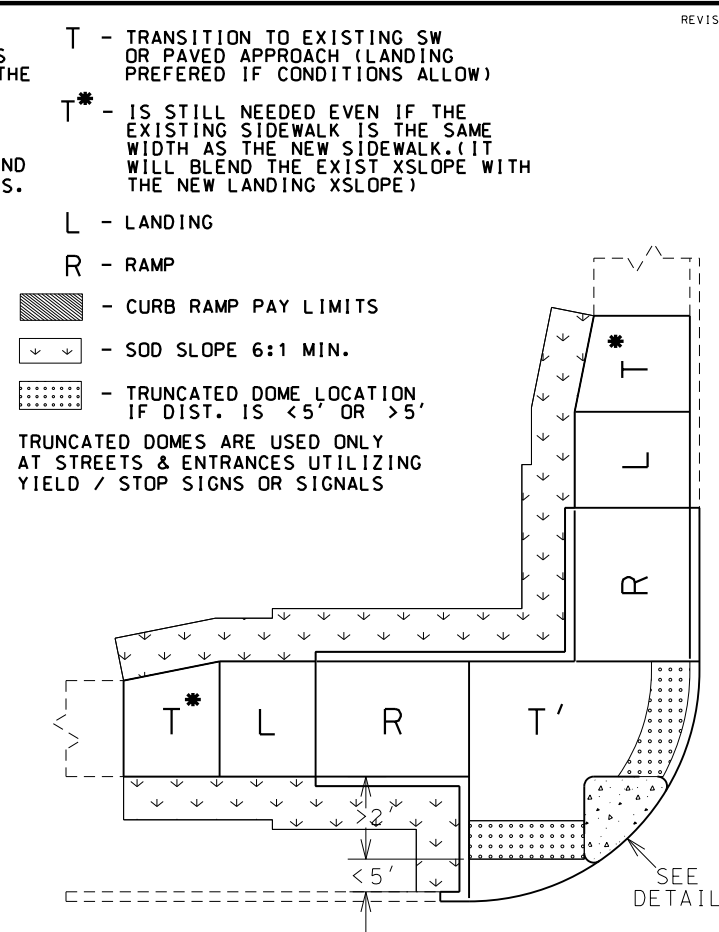
Fax 314-394-3199

Missouri Certificate of Authority: 001578

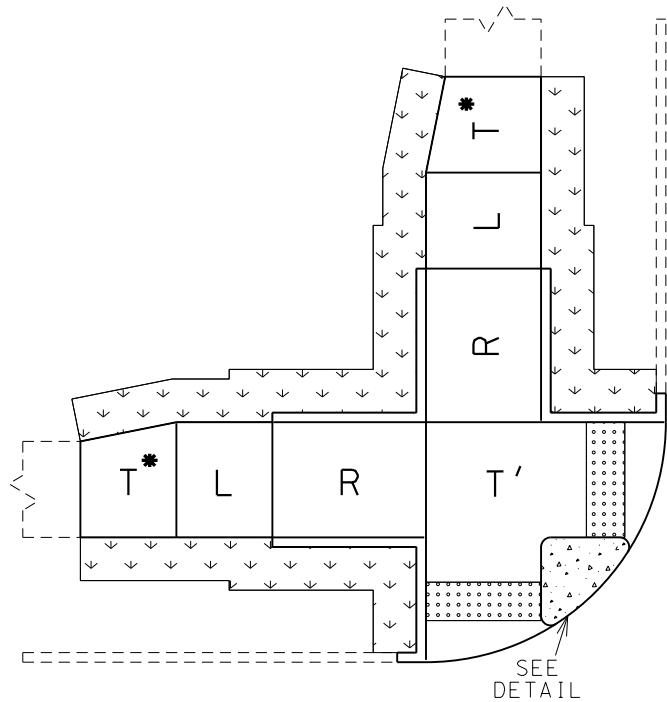
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TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	35.6	39.8	-	36.7	42.6	-	42.0	48.8		
ADA LINEAR GRADING	LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0		
SODDING	SY	-	11.6	11.4	-	12.9	12.9	-	14.9	14.9		
8"SW OR MED STRIP	SY	-	3.0	2.2	-	3.0	2.2	-	3.0	2.2		
TYPE 3-B												
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP	SY	-	22.0	26.3	-	25.9	31.2	-	31.2	37.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	33.2	39.1	-	35.7	42.6	-	41.0	48.8		
ADA LINEAR GRADING	LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0		
SODDING	SY	-	15.2	15.3	-	17.1	17.5	-	20.1	20.5		
8"SW OR MED STRIP	SY	-	1.5	1.5	-	1.5	1.5	-	1.5	1.5		
TYPE 3-C												
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0		
CURB RAMP	SY	-	20.7	26.8	-	25.1	31.5	-	30.4	37.7		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	31.9	39.6	-	34.9	42.9	-	40.2	49.1		
ADA LINEAR GRADING	LF	-	51.0	51.0	-	58.0	58.0	-	67.0	67.0		
SODDING	SY	-	18.8	19.3	-	21.3	22.1	-	25.3	26.1		
8"SW OR MED STRIP	SY	-	1.0	1.6	-	1.0	1.6	-	1.0	1.6		
TYPE 3-D												
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS	
		4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	24.0	28.0	-	22.4	26.5	-	22.4	26.5		
CURB RAMP	SY	-	15.9	19.1	-	17.7	21.4	-	20.4	24.5		
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7		
TYPE 1 AGGREGATE	SY	-	21.5	25.5	-	22.6	27.1	-	25.3	30.2		
ADA LINEAR GRADING	LF	-	31.0	31.0	-	34.0	34.0	-	38.0	38.0		
SODDING	SY	-	12.6	12.9	-	13.5	14.0	-	15.5	16.0		
8"SW OR MED STRIP	SY	-	1.0	0.8	-	1.0	0.8	-	1.0	0.8		
TYPE 3-E												
LENGTH (LF) WIDTH (LF)		8			12			16			REMARKS	
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TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0		
CURB RAMP	SY	-	17.2	19.8	-	17.7	21.4	-	20.4	24.5		
CONC. SIDEWALK	SY	-	8.4	10.7	-	7.3	9.4	-	7.3	9.4		
TYPE 1 AGGREGATE	SY	-	25.6	30.5	-	25.0	30.8	-	27.7	33.9		
ADA LINEAR GRADING	LF	-	30.0	30.0	-	35.5	35.5	-	39.5	39.5		
SODDING	SY	-	12.4	12.4	-	12.9	13.3	-	14.9	15.3		
8"SW OR MED STRIP	SY	-	1.6	1.6	-	1.6	1.6	-	1.6	1.6		



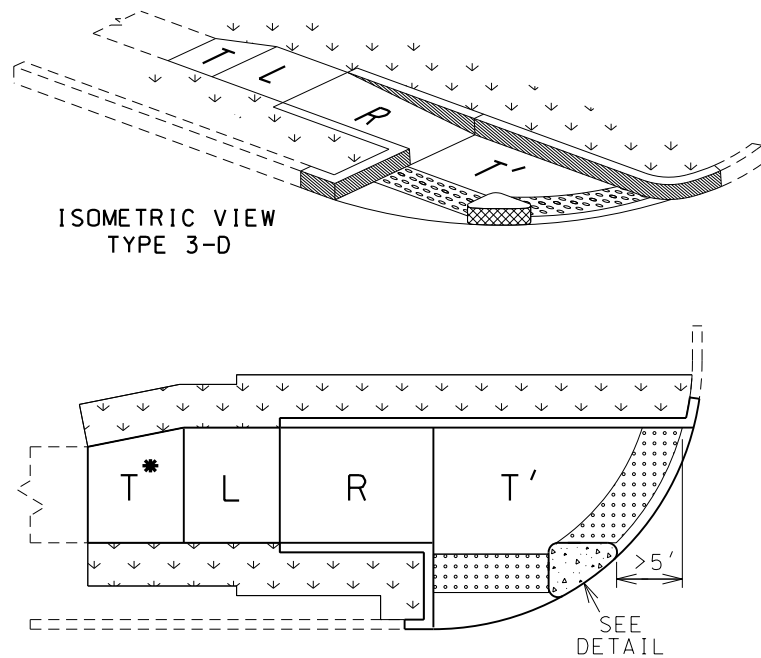
TYPE 3-A



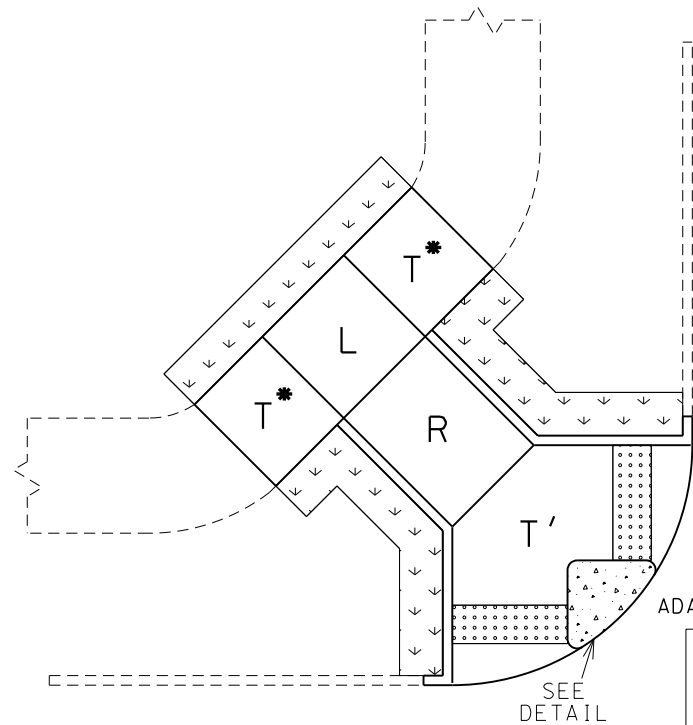
TYPE 3-B



TYPE 3-C



TYPE 3-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL
CURB RAMPS

TYPICAL SECTION
SHEET 5 OF 9

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

Paul J. Kronlage
12/18/2025 6:42:01 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 2

COUNTY GREENE
JOB NO. J8S3153
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

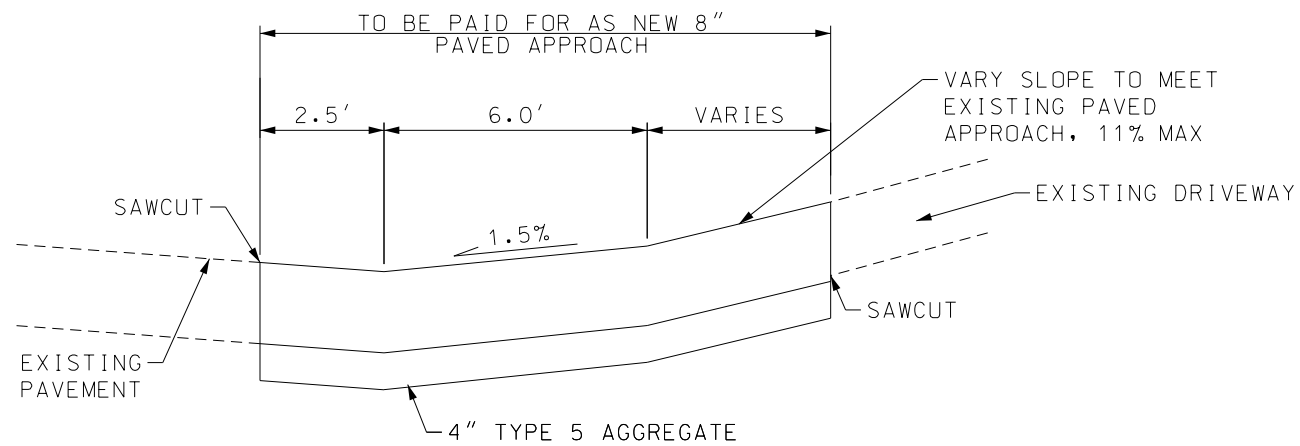
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

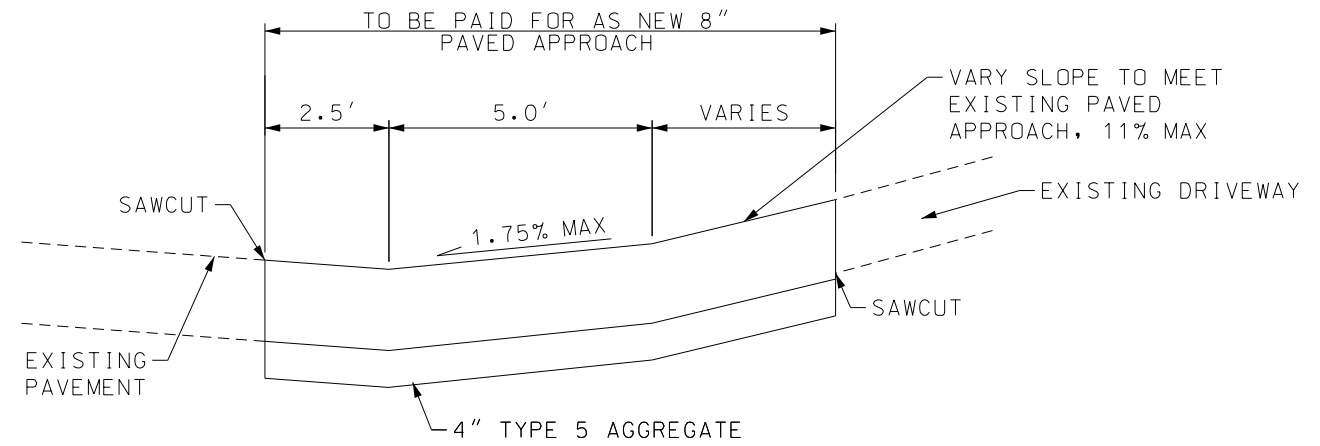
MoDOT

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

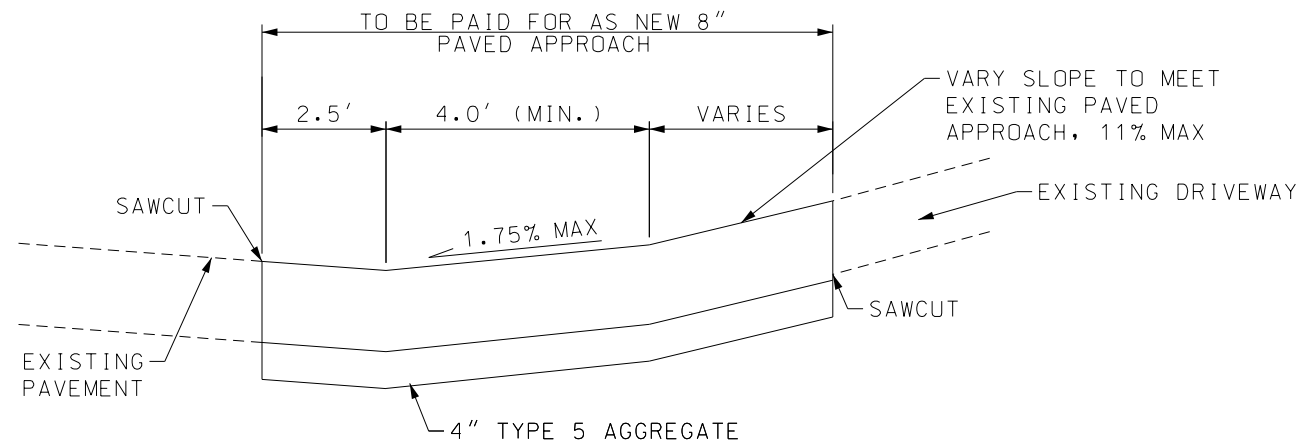
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



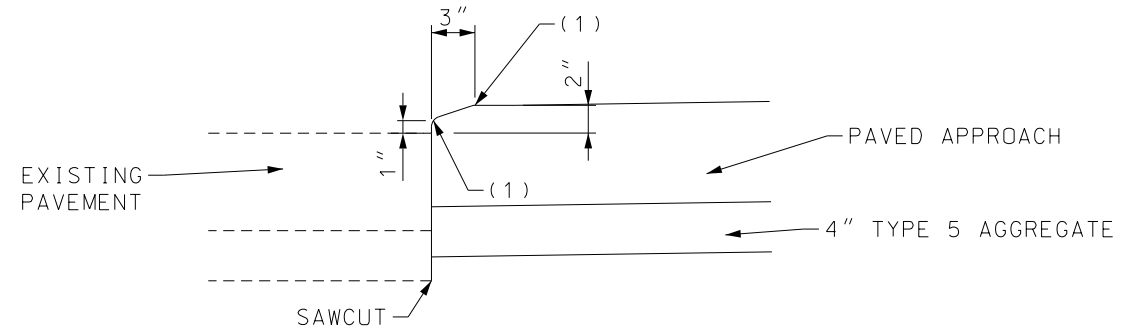
TYPICAL PAVED APPROACH DETAIL
6.0' PEDESTRIAN ACCESS ROUTE



TYPICAL PAVED APPROACH DETAIL
5.0' PEDESTRIAN ACCESS ROUTE



TYPICAL PAVED APPROACH DETAIL
4.0' PEDESTRIAN ACCESS ROUTE



2" BEVELED LIP CURB

(1) ROUND TO 3/4" RADIUS

USED ON ENTRANCES AT:
STA. 14+83
STA. 104+42
STA. 105+44

PAVED APPROACH
DETAILS

TYPICAL SECTION
SHEET 7 OF 9



Paul J. Kronlage
12/18/2025 6:42:28 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 2

COUNTY GREENE
JOB NO. J8S3153
CONTRACT ID.

PROJECT NO.

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DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT

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

REV.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LINEAR GRADING – CITY						
PLAN SHEET	ROADWAY	STA	STA	LOC.	LINEAR GRADING FOR ADA FACILITIES	REMARKS
					L.F.	
					130.6	
4	RTE D (SUNSHINE ST)	3+79	7+50	LT	479.4	
5	RTE D (SUNSHINE ST)	7+50	12+85	LT	466.5	
6	RTE D (SUNSHINE ST)	12+85	18+50	LT	288.7	
7	RTE D (SUNSHINE ST)	18+50	24+00	LT	479.1	
8	RTE D (SUNSHINE ST)	24+00	29+50	LT	115.6	
9	RTE D (SUNSHINE ST)	29+50	30+65	LT	43.0	
12	RTE D (SUNSHINE ST)	51+07	51+50	LT	360.1	
13	RTE D (SUNSHINE ST)	51+50	57+00	LT	260.3	
14	RTE D (SUNSHINE ST)	57+00	62+50	LT	520.5	
15	RTE D (SUNSHINE ST)	62+50	68+00	LT	52.6	
16	RTE D (SUNSHINE ST)	68+00	68+25	LT		
SUBTOTAL					3196.4	
SUBTOTAL FROM "ENTRANCES – CITY"					294.8	
PAY TOTAL					3491	

SIGNS – CITY						
PLAN SHEET	ROADWAY	STA	LOC		CONCRETE	REMARKS
				2.5 IN. PSST POST 12 GA.	POST ANCHOR FOR 2.5 IN PSST 7 GA.	
				LF	EA.	
14	RTE D (SUNSHINE ST)	58+80	LT	16	1	
		TOTALS		16	1	
		PAY TOTALS		16	1	

ENTRANCES – CITY								
PLAN SHEET	ROADWAY	STA	STA	LOC	8" PAVED APPROACH	TYPE 5 AGGREGATE FOR BASE (4" THICK)	LINEAR GRADING FOR ADA FACILITIES	REMARKS
					S.Y.	S.Y.	L.F.	
					72.9	72.9	17.29	
4	RTE D (SUNSHINE ST)	3+79	7+50	LT	103.4	103.4	13.57	
5	RTE D (SUNSHINE ST)	7+50	12+85	LT	279.5	279.5	73.11	
6	RTE D (SUNSHINE ST)	12+85	18+50	LT	162.7	162.7	36.20	
7	RTE D (SUNSHINE ST)	18+50	24+00	LT	125.0	125.0	20.65	
8	RTE D (SUNSHINE ST)	24+00	29+50	LT	59.3	59.3	12.77	
9	RTE D (SUNSHINE ST)	29+50	30+65	LT	300.7	300.7	71.04	
13	RTE D (SUNSHINE ST)	51+50	57+00	LT	172.0	172.0	38.84	
14	RTE D (SUNSHINE ST)	57+00	62+50	LT	45.2	45.2	11.28	
15	RTE D (SUNSHINE ST)	62+50	68+00	LT				
SUBTOTAL					1320.8	1320.8	294.8	
PAY TOTAL					1320.8	1321	(1)	

(1) SEE PAY TOTAL IN "LINEAR GRADING – CITY" TABLE

CONCRETE SIDEWALK, CURB RAMP, & MEDIAN – CITY											
PLAN SHEET	ROADWAY	STA	STA	LOC							REMARKS
					CONCRETE SIDEWALK 4"	CONCRETE SIDEWALK 8"	CONCRETE CURB RAMP	TRUNCATED DOMES	CONC. CURB TYPE S (6" HEIGHT AND UNDER)	TYPE 1 AGGREGATE FOR BASE (4" THICK)	
					S.Y.	S.Y.	S.Y.	S.F.	L.F.	S.Y.	
4	RTE D (SUNSHINE ST)	3+79	7+50	LT	60.2		14.1			74.3	
5	RTE D (SUNSHINE ST)	7+50	12+85	LT	266.1		12.2			278.3	
6	RTE D (SUNSHINE ST)	12+85	18+50	LT	218.6		85.0	56.2		303.6	
7	RTE D (SUNSHINE ST)	18+50	24+00	LT	115.7		60.3	36.4		175.9	
8	RTE D (SUNSHINE ST)	24+00	29+50	LT	268.4		44.4	31.8		312.8	
9	RTE D (SUNSHINE ST)	29+50	30+65	LT	58.8		5.7			64.5	
12	RTE D (SUNSHINE ST)	51+07	51+50	LT	28.7					28.7	
13	RTE D (SUNSHINE ST)	51+50	56+70	LT	125.8	8.1	88.2	91.2	6.4	222.2	
14	RTE D (SUNSHINE ST)	57+47	62+50	LT	88.4	10.7	63.9		19.9	163.1	
15	RTE D (SUNSHINE ST)	62+50	68+00	LT	321.7		24.9			346.6	
16	RTE D (SUNSHINE ST)	68+00	68+25	LT	9.9		19.3	18.9		29.1	
		SUBTOTAL			1562.3	18.8	418.0	234.5	26.3	1999.1	
		PAY TOTAL			1562.3	18.8	418.0	235	26	1999	

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STATE OF MISSOURI

PAUL JOSEPH KRONLAGE

NUMBER EN 023328

REGISTERED PROFESSIONAL ENGINEER

Paul J. Kronlage
05/16/2026 3:12:30 PM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/5/2026

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
3

COUNTY
GREENE

JOB NO.
J8S3153

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
Missouri Certificate of Authority: 001878

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

SUMMARY OF QUANTITIES
CITY
SHEET 2 OF 6

ENTRANCES

PLAN SHEET	ROADWAY	STA	STA	LOC		TYPE 5	LINEAR GRADING	REMARKS
					8" PAVED	AGGREGATE FOR BASE	FOR ADA	
					APPROACH	(4" THICK)	FACILITIES	
4	RTE D (SUNSHINE ST)	07+17	07+50	RT	S.Y.	S.Y.	L.F.	
5	RTE D (SUNSHINE ST)	07+50	11+65	RT	47.4	47.4	14.6	
6	RTE D (SUNSHINE ST)	12+96	16+94	RT	249.8	249.8	48.0	
7	RTE D (SUNSHINE ST)	12+96	16+94	RT	100.5	100.5	37.5	
9	RTE D (SUNSHINE ST)	19+58	20+23	RT	94.7	94.7	19.7	
10	RTE D (SUNSHINE ST)	34+67	35+00	RT	46.3	46.3	16.1	
12	RTE D (SUNSHINE ST)	35+00	35+17	RT	13.1	13.1		
13	RTE D (SUNSHINE ST)	47+48	50+89	RT	251.9	251.9	43.6	
14	RTE D (SUNSHINE ST)	52+68	56+14	LT/RT	221.0	221.0	72.4	
15	RTE D (SUNSHINE ST)	58+74	59+31	RT	56.9	56.9	12.3	
16	RTE D (SUNSHINE ST)	63+42	67+88	RT	87.4	87.4	24.7	
17	RTE D (SUNSHINE ST)	70+27	73+50	LT/RT	218.8	218.8	49.7	
18	RTE D (SUNSHINE ST)	73+50	78+76	LT/RT	306.8	306.8	62.9	
19	RTE D (SUNSHINE ST)	82+01	83+96	LT/RT	324.5	324.5	59.9	
20	RTE D (SUNSHINE ST)	85+96	89+83	LT/RT	463.1	463.1	86.7	
21	RTE D (SUNSHINE ST)	91+14	93+31	LT	134.1	134.1	24.4	
22	RTE D (SUNSHINE ST)	95+80	100+99	LT/RT	193.6	193.6	37.0	
23	RTE D (SUNSHINE ST)	101+57	106+50	LT/RT	329.5	329.5	64.9	
24	RTE D (SUNSHINE ST)	106+50	107+15	RT	122.2	122.2	47.3	
25	RTE D (SUNSHINE ST)	113+37	113+98	RT	86.4	86.4	17.1	
26	RTE D (SUNSHINE ST)	115+97	118+85	LT/RT	399.8	399.8	82.7	
27	RTE D (SUNSHINE ST)	123+51	125+50	LT/RT	123.8	123.8	26.9	
28	RTE D (SUNSHINE ST)	132+28	133+63	RT	245.9	245.9	78.9	
				SUBTOTAL	4117.5	4117.5	927.2	
				PAY TOTAL	4117.5	4118	(1)	

(1) SEE PAY TOTAL IN "LINEAR GRADING" TABLE

LINEAR GRADING

PLAN SHEET	ROADWAY	STA	STA	LOC.	LINEAR GRADING FOR ADA FACILITIES	REMARKS
					L.F.	
4	RTE D (SUNSHINE ST)	02+48	06+03	RT	183.0	
5	RTE D (SUNSHINE ST)	07+60	08+93	RT	24.2	
6	RTE D (SUNSHINE ST)	12+92	17+05	RT	43.2	
10	RTE D (SUNSHINE ST)	35+05	39+73	RT	97.4	
11	RTE D (SUNSHINE ST)	40+59	46+00	RT	95.7	
12	RTE D (SUNSHINE ST)	46+00	51+17	RT	127.5	
13	RTE D (SUNSHINE ST)	51+94	56+69	RT	275.8	
14	RTE D (SUNSHINE ST)	58+80	60+42	RT	40.8	
16	RTE D (SUNSHINE ST)	68+65	73+50	LT	468.2	
17	RTE D (SUNSHINE ST)	73+50	79+00	LT	123.6	
18	RTE D (SUNSHINE ST)	79+00	84+50	LT/RT	237.1	
19	RTE D (SUNSHINE ST)	84+50	90+00	LT/RT	398.6	
20	RTE D (SUNSHINE ST)	90+00	95+50	LT	284.8	
21	RTE D (SUNSHINE ST)	95+50	101+00	LT	241.3	
22	RTE D (SUNSHINE ST)	101+00	106+48	LT/RT	317.0	
23	RTE D (SUNSHINE ST)	106+59	110+00	LT/RT	298.2	
24	RTE D (SUNSHINE ST)	110+00	115+65	LT/RT	553.2	
25	RTE D (SUNSHINE ST)	115+65	121+24	LT/RT	229.6	
26	RTE D (SUNSHINE ST)	123+83	126+50	LT	163.1	
27	RTE D (SUNSHINE ST)	126+50	132+00	LT/RT	321.2	
28	RTE D (SUNSHINE ST)	132+00	136+13	LT/RT	250.4	
				SUBTOTAL	4773.9	
				SUBTOTAL FROM "ENTRANCES"	927.2	
				PAY TOTAL	5701	

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Paul J. Kronlage
07/06/2026 7:34:48 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
6/16/2026

ROUTE	STATE
D	MO

DISTRICT	SHEET NO
SW	3

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

EFK♦Moen
Civil Engineering Design

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

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

Professional Engineer
Professional Engineer

CONCRETE SIDEWALK, CURB RAMP, & MEDIAN

PLAN SHEET	ROADWAY	STA	STA	LOC	CONCRETE	CONCRETE			CONC. CURB TYPE S	CONC. CURB TYPE S	SIDEWALK	3' TYPE A	MODIFIED		8" CONCRETE	TYPE 1 AGGREGATE	REMARKS
					SIDEWALK	SIDEWALK	CONCRETE	TRUNCATED	(6" HEIGHT	(30" HEIGHT	HAND-RAILING	CURB AND	TYPE A	STEEL	MEDIAN	FOR BASE	
					4"	8"	CURB RAMP	DOMES	AND UNDER)	AND UNDER)	WITH BALUSTERS	GUTTER	GUTTER	PLATE	STRIP	(4" THICK)	
4	RTE D (SUNSHINE ST)	02+48	06+03	RT	S.Y.	S.Y.	S.Y.	S.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	S.Y.	S.Y.	
5	RTE D (SUNSHINE ST)	07+60	08+93	RT	0.0		15.7	20.0	10.5							15.7	
6	RTE D (SUNSHINE ST)	12+92	17+05	RT			27.5	54.2								27.5	
10	RTE D (SUNSHINE ST)	35+05	39+73	RT	34.8		16.9		3.4							51.7	
11	RTE D (SUNSHINE ST)	40+59	46+00	RT	46.6											46.6	
12	RTE D (SUNSHINE ST)	46+00	51+17	RT	56.0		12.1									68.2	
13	RTE D (SUNSHINE ST)	51+94	56+69	RT	91.4		68.3		17.5			38.8				159.7	
14	RTE D (SUNSHINE ST)	58+80	60+42	RT	14.8			22.8								14.8	
16	RTE D (SUNSHINE ST)	68+65	73+50	LT	260.5		42.4	17.0								303.0	
17	RTE D (SUNSHINE ST)	73+50	79+00	LT	49.0		28.6									77.6	
18	RTE D (SUNSHINE ST)	79+00	84+50	LT/RT	76.0		71.0	20.0								147.0	
19	RTE D (SUNSHINE ST)	84+50	90+00	LT/RT	156.3		93.1	70.8	45.7			54.5				249.4	
20	RTE D (SUNSHINE ST)	90+00	95+50	LT	98.6		85.4	56.9								184.0	
21	RTE D (SUNSHINE ST)	95+50	101+00	LT	119.6	13.7	18.0									151.3	
22	RTE D (SUNSHINE ST)	101+00	106+48	LT/RT	126.9		60.0	10.0	145.2	154.0						186.9	
23	RTE D (SUNSHINE ST)	106+59	110+00	LT	132.4		33.0	71.4					26.4	28.9	13.3	178.6	
24	RTE D (SUNSHINE ST)	110+00	115+65	LT/RT	292.6		23.1	40.1			46.0		5.0	14.3		315.8	
25	RTE D (SUNSHINE ST)	115+65	121+24	LT/RT	32.8		121.4	64.5								154.2	
26	RTE D (SUNSHINE ST)	123+83	126+50	LT	80.4		24.1									104.5	
27	RTE D (SUNSHINE ST)	126+50	132+00	LT/RT	213.4		0.0									213.4	
28	RTE D (SUNSHINE ST)	132+00	136+13	LT/RT	102.7		55.2	90.0		42.5	42.6				4.2	162.1	
				SUBTOTAL	2079.0	13.7	806.5	603.3	222.3	196.5	88.6	93.3	31.4	43.2	17.5	2916.6	
				PAY TOTAL	2079.0	13.7	806.5	603	222	197	89	93	31	43	18	2917	

SUMMARY OF QUANTITIES
MODOT
SHEET 4 OF 6

EROSION CONTROL									
PLAN SHEET	ROADWAY	LOC	STA BEG.	STA END				REMARKS	
					SILT FENCE	CURB INLET CHECK	ALTERNATE DITCH CHECK		SEDIMENT REMOVAL
					L.F.	EA.	L.F.		C.Y.
4	RTE D (SUNSHINE ST)	RT	5+38	6+03	27	1		1.3	
5	RTE D (SUNSHINE ST)	RT	7+69	8+24	20	1		1.2	
5	RTE D (SUNSHINE ST)	RT	9+66	9+82	18			0.2	
5	RTE D (SUNSHINE ST)	RT	11+44	11+76	36	1		1.4	
6	RTE D (SUNSHINE ST)	RT	12+85	13+73	72	2		2.7	
6	RTE D (SUNSHINE ST)	RT	16+21	18+30	62	2		2.6	
7	RTE D (SUNSHINE ST)	RT	19+16	20+71	75	4		4.8	
9	RTE D (SUNSHINE ST)	RT	30+87	31+53	50	4		4.5	
9	RTE D (SUNSHINE ST)	RT	34+58	34+77	25	1		1.3	
10	RTE D (SUNSHINE ST)	RT	35+03	35+38	53	1		1.5	
10	RTE D (SUNSHINE ST)	RT	38+25	38+88	80	1		1.8	
10	RTE D (SUNSHINE ST)	RT	39+54	39+82	38			0.4	
11	RTE D (SUNSHINE ST)	RT	40+50	40+86	52			0.5	
11	RTE D (SUNSHINE ST)	RT	41+73	43+23	156	4		5.6	
11	RTE D (SUNSHINE ST)	RT	43+88	45+77		4		4.0	
12	RTE D (SUNSHINE ST)	RT	46+08	46+36	47			0.5	
12	RTE D (SUNSHINE ST)	RT	47+29	51+27	344	8		11.4	
13	RTE D (SUNSHINE ST)	RT	51+50	57+00	391	10		13.9	
14	RTE D (SUNSHINE ST)	RT	58+68	59+35	52	3		3.5	
14	RTE D (SUNSHINE ST)	RT	60+00	60+89	67	2		2.7	
15	RTE D (SUNSHINE ST)	RT	63+38	63+94	40	2		2.4	
15	RTE D (SUNSHINE ST)	RT	67+41	67+91	37	2		2.4	
16	RTE D (SUNSHINE ST)	RT-LT	68+00	73+50	578	7		12.8	
17	RTE D (SUNSHINE ST)	RT-LT	73+50	79+00	327	5		8.3	
18	RTE D (SUNSHINE ST)	RT-LT	79+50	84+50	518	6	40	15.2	
19	RTE D (SUNSHINE ST)	RT-LT	84+50	90+00	628	14		20.3	
20	RTE D (SUNSHINE ST)	RT-LT	90+00	95+50	401	7		11.0	
21	RTE D (SUNSHINE ST)	RT-LT	95+50	101+00	372	5		8.7	
22	RTE D (SUNSHINE ST)	RT-LT	101+00	106+50	508	8		13.1	
23	RTE D (SUNSHINE ST)	RT-LT	106+80	110+00	421	5	60	15.2	
24	RTE D (SUNSHINE ST)	RT-LT	110+00	115+65	765	8	120	27.7	
25	RTE D (SUNSHINE ST)	RT-LT	115+65	121+30	437	12	80	24.4	
26	RTE D (SUNSHINE ST)	RT-LT	121+30	126+50	250	3		5.5	
27	RTE D (SUNSHINE ST)	RT-LT	126+50	132+00	489	2		6.9	
28	RTE D (SUNSHINE ST)	RT-LT	132+00	136+22	219	2		4.2	
			TOTALS		7655	137	300	244	
			PAY TOTALS		7655	137	300	244	

SIGNS										
PLAN SHEET	ROADWAY	STA	LOC							REMARKS
				YIELD R1-2 36" TYPE SH	NO LEFT TURN R3-2 36"x36" TYPE SH	2.0 IN. PSST POST 12 GA.	CONCRETE POST ANCHOR FOR 2.0 IN PSST 7 GA.	2.5 IN. PSST POST 12 GA.	CONCRETE POST ANCHOR FOR 2.5 IN PSST 7 GA.	
				SF	SF	LF	EA.	LF	EA	
11	RTE D (SUNSHINE ST)	44+37	RT	3.9		16	1			
13	RTE D (SUNSHINE ST)	53+95	RT		9.0			16	1	
22	RTE D (SUNSHINE ST)	104+98	LT			16	1			
22	RTE D (SUNSHINE ST)	105+95	LT					16	1	
23	RTE D (SUNSHINE ST)	106+62	LT					16	1	
23	RTE D (SUNSHINE ST)	106+71	RT					16	1	
24	RTE D (SUNSHINE ST)	112+07	LT	3.9		16	1			
25	RTE D (SUNSHINE ST)	121+41	RT	3.9		16	1			
TOTALS				11.7	9.0	64	4	64	4	
PAY TOTALS				21		64	4	64	4	



Paul J Kronlage
12/18/2025 6:44:22 AM
Paul J. Kronlage - Civil
MO PE - 023328

COUNTY
GREENE
JOB NO.
J8S3153
CONTRACT ID.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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

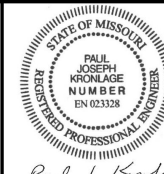
REV. _____ IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

[illegible]

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

T29N, R21W
SEC 29

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Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 5

COUNTY GREENE
JOB NO. J8S3153
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)

MoDOT

FSBC LLC

SEE SHEET 3 OF 25
FOR ROW DATA

IRELAND PROP LLC

SEE SHEET 1 OF 25
FOR ROW DATA

DIVERSITY COMMERCIAL INVESTMENTS LLC

43,538 SF EXIST.
647 SF TEMP.
ESM'T (CONST.)
43,538 SF REMAINING

T29N, R21W
SEC 32

VOID PARCEL 6

S GLENCREST DR

STA. 10+02, 42' W.
8" CONC. PAVED APPR.
PR: -6.5% EX: -6.5%

SUNSHINE BIKE SHOP

STA. 10+10, 56' W.
8" CONC. PAVED APPR.
PR: 4.1% EX: 2.5%

AMERICAN NATIONAL

STA. 11+33, 30' W.
8" CONC. PAVED APPR.
PR: 0.5% EX: 4.4%

DIVERSITY COMMERCIAL INVESTMENTS LLC

33,319 SF EXIST.
405 SF TEMP.
ESM'T (CONST.)
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IRELAND PROP LLC

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DIVERSITY COMMERCIAL INVESTMENTS LLC

43,538 SF EXIST.
647 SF TEMP.
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43,538 SF REMAINING

T29N, R21W
SEC 32

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STA. 10+02, 42' W.
8" CONC. PAVED APPR.
PR: -6.5% EX: -6.5%

SUNSHINE BIKE SHOP

STA. 10+10, 5

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

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Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 6

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

SECTION 29

SECTION 32

SECTION 35

SECTION 38

SECTION 41

SECTION 44

SECTION 47

SECTION 50

SECTION 53

SECTION 56

SECTION 59

SECTION 62

SECTION 65

SECTION 68

SECTION 71

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SECTION 77

SECTION 80

SECTION 83

SECTION 86

SECTION 89

SECTION 92

SECTION 95

SECTION 98

SECTION 101

SECTION 104

SECTION 107

SECTION 110

SECTION 113

SECTION 116

SECTION 119

SECTION 122

SECTION 125

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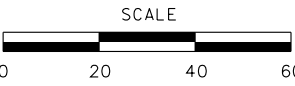
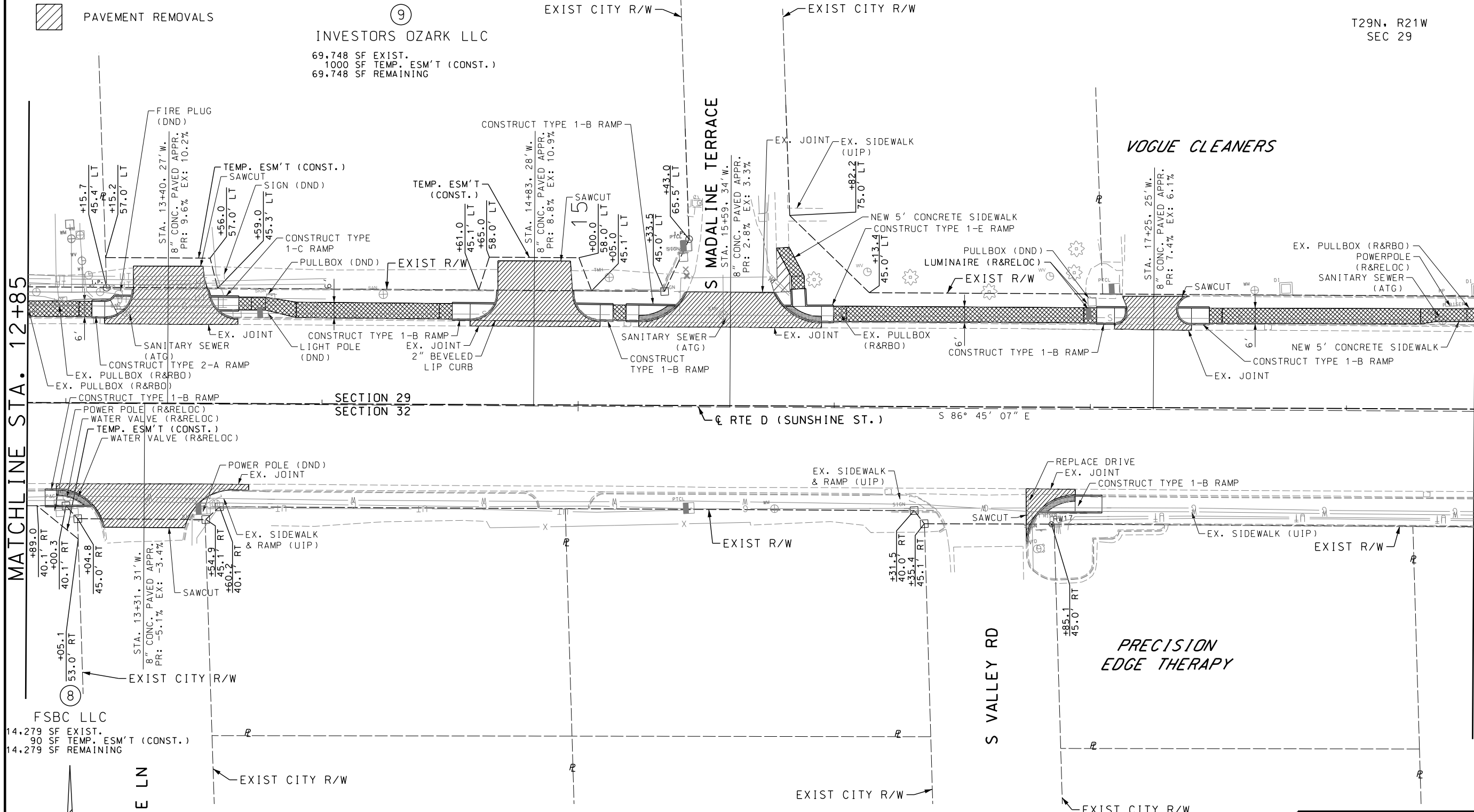


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

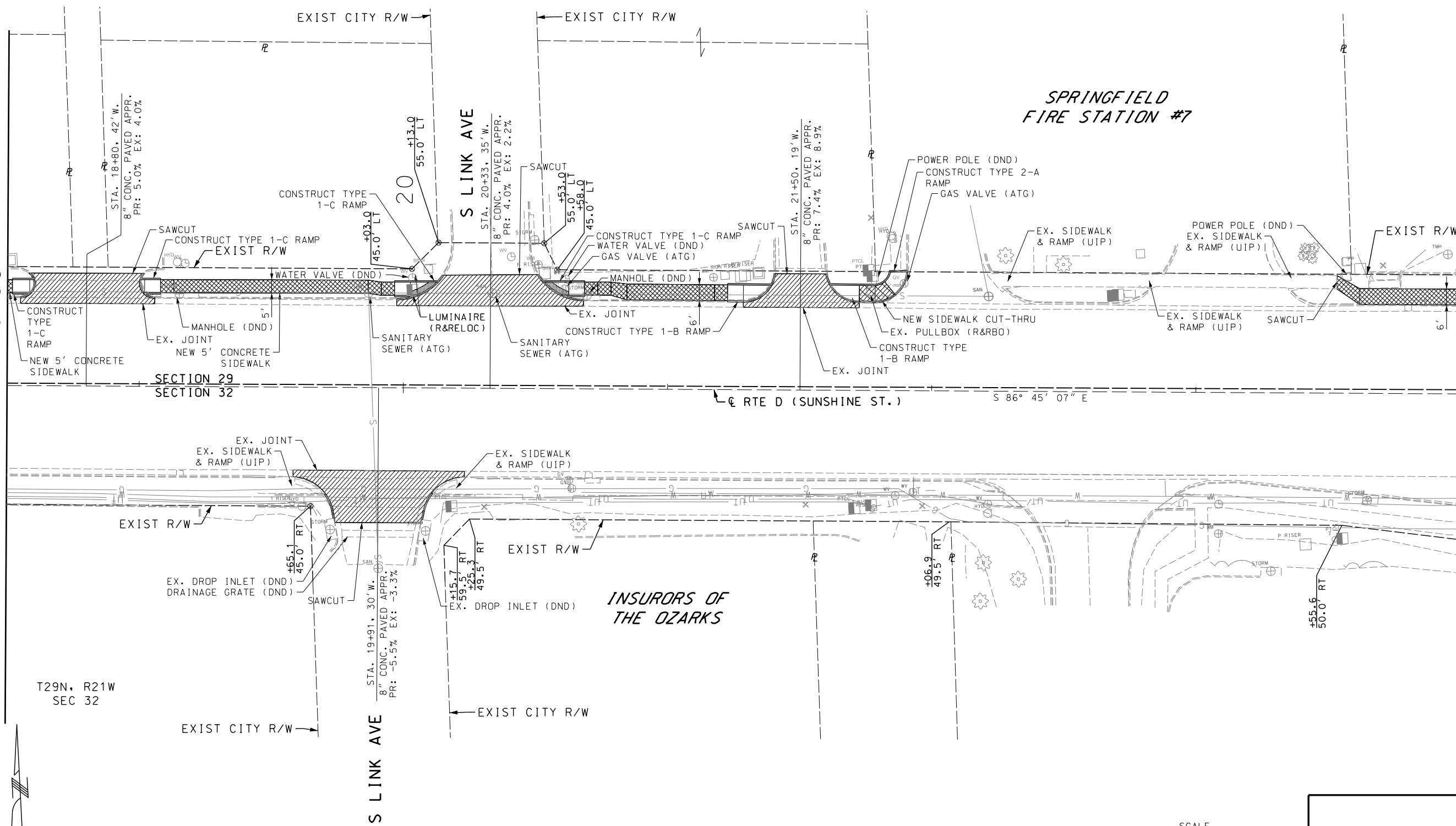
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

MATCHLINE STA. 12+85

MATCHLINE STA. 18+50



PLAN SHEET
3 OF 25



Paul J. Kronlage
12/18/2025 6:48:29 AM
Paul J. Kronlage - Civil
MO PE - 023328

MATCHLINE STA. 24+00

	
<i>Paul J. Kronlage</i>	
12/18/2025 6:48:29 AM Paul J. Kronlage - Civil MO PE - 023328	
DATE PREPARED 12/15/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 7
COUNTY GREENE	
JOB NO. J8S3153	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

E.F.K. Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
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	1	000	RJK	MDDOT	V1	000	ZPJ	00007
REV.	IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED:							

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

COLUMNS IV
APARTMENTS

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Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 8

COUNTY GREENE
JOB NO. J8S3153
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)

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PLAN SHEET
5 OF 25

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MATCHLINE STA. 24+00

MATCHLINE STA. 29+50

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REV.

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

SEE JOB J8S3133 FOR IMPROVEMENTS

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Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 9

COUNTY GREENE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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Suite 250
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MATCHLINE STA. 29+50

STA. 34+93

MATCHLINE STA. 35+00

STA. 33+34

STA. 30+98

STA. 31+11

T29N, R21W
SEC 32

T29N, R21W
SEC 29

VOID PARCEL 11

SECTION 29
SECTION 32

S 86° 45' 07" E

EXIST CITY R/W

EXIST CITY R/W

EXIST R/W

CONSTRUCT TYPE 1-C RAMP

WATER METER (DND)

POWER POLE (DND)

EX. JOINT

RT D (SUNSHINE ST.)

EX. SIDEWALK
& RAMP (UIP)

EX. JOINT

EXIST R/W

EXIST R/W

STA. 34+90, 26' W.
8" CONC. PAVED APPR.
PR: 2.9% EX: 6.9%

STA. 30+81, 31' W.
8" CONC. PAVED APPR.
PR: 1.8% EX: 2.2%

SAWCUT

SAWCUT

+62.5

45.0' LT

+62.5

45.0' RT

+73.2

45.0' RT

+73.3

50.2' RT

SCALE



PLAN SHEET
6 OF 25

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

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12/18/2025 6:49:08 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 10

COUNTY GREENE

JOB NO. J8S3153

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)

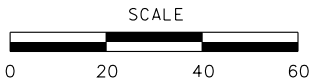
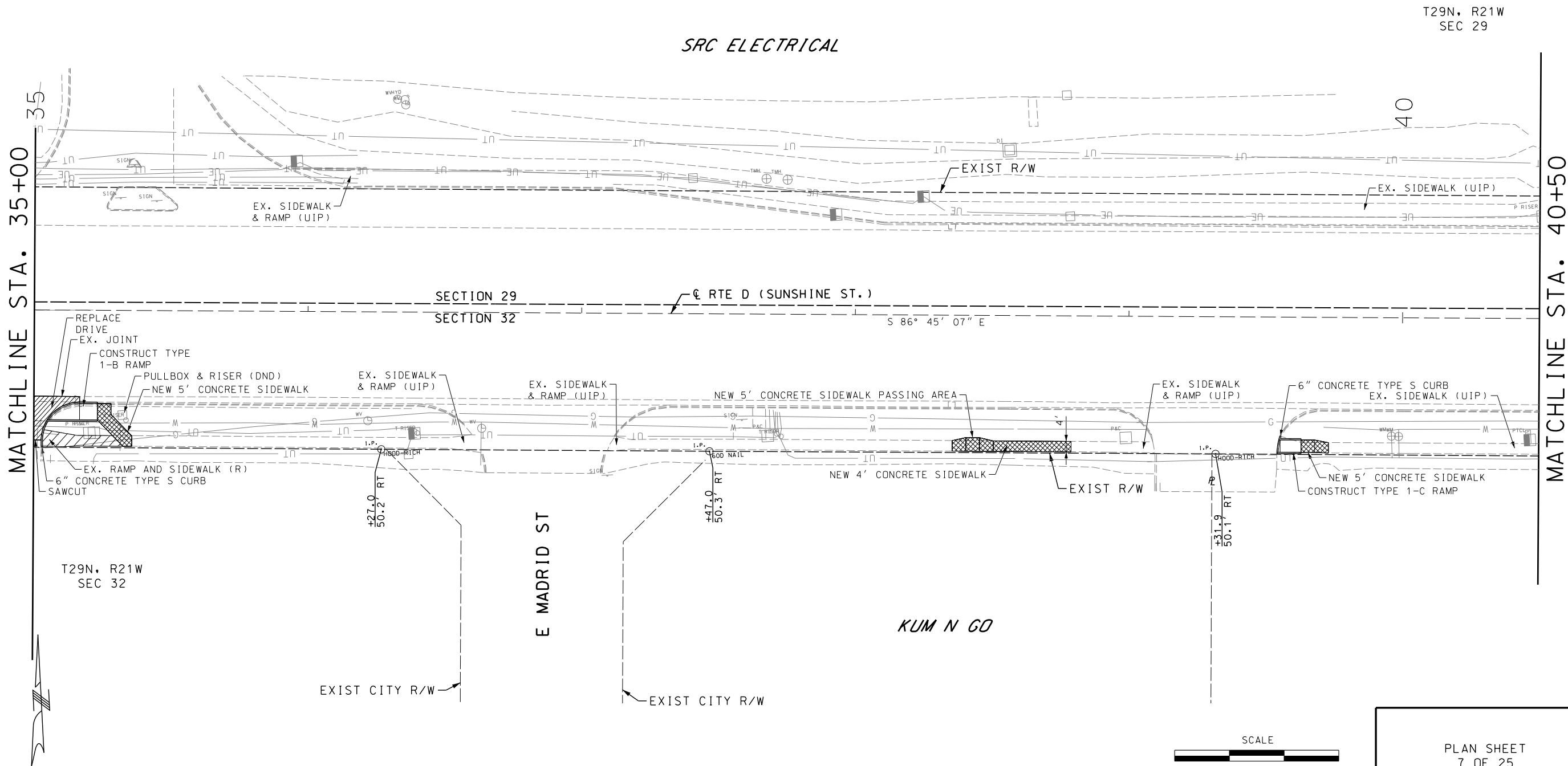
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

EFK Moen

Civil Engineering Design

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

REV.



PLAN SHEET
7 OF 25

- | | |
|---|-------------------------|
|  | PROPOSED 4" SIDEWALK |
|  | PROPOSED PAVED APPROACH |
|  | PROPOSED CUT-THRU |
|  | PAVEMENT REMOVALS |

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12/18/2025 6:49:19 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D	STATE MO
------------	-------------

DISTRICT	SHEET NO.
SW	11

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

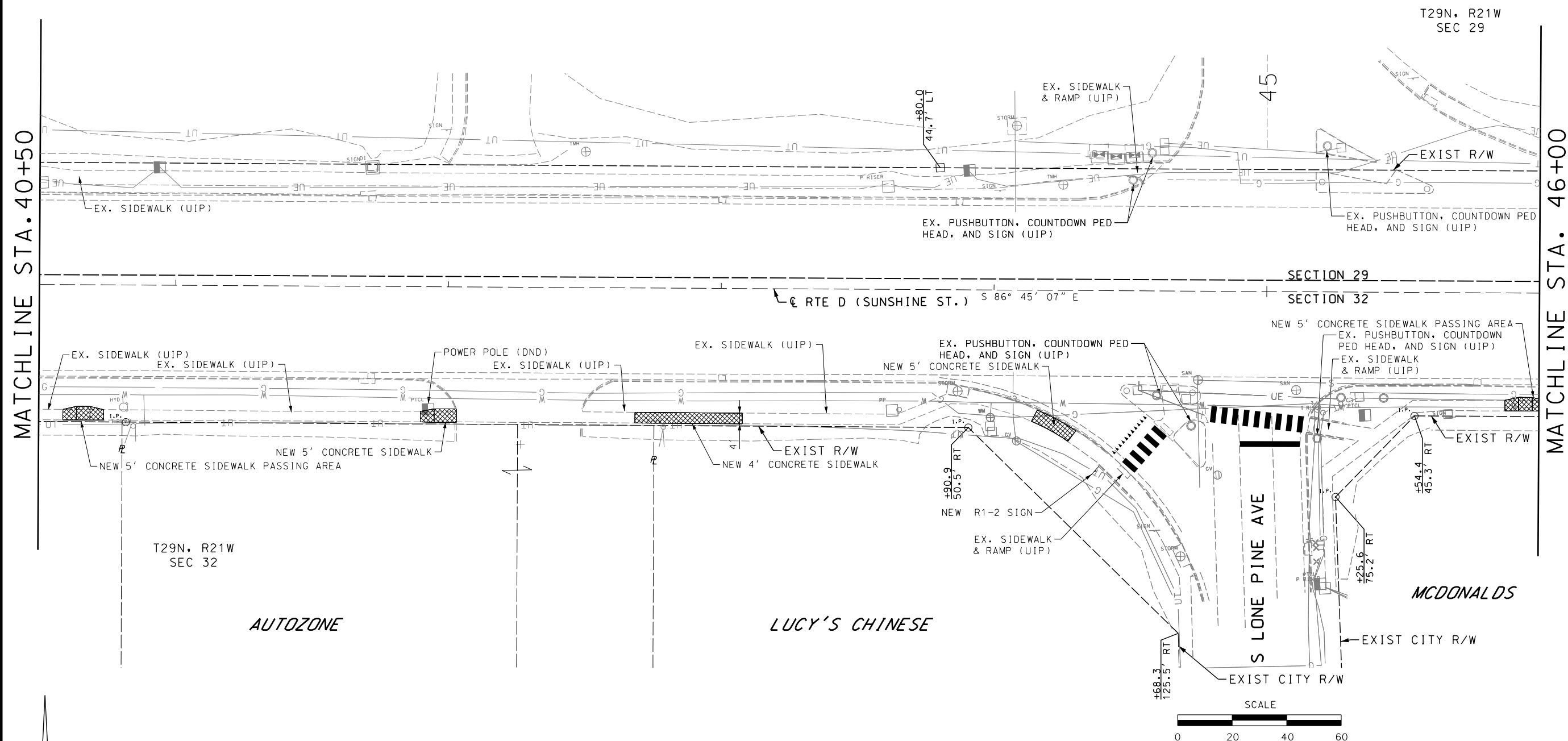
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6536)

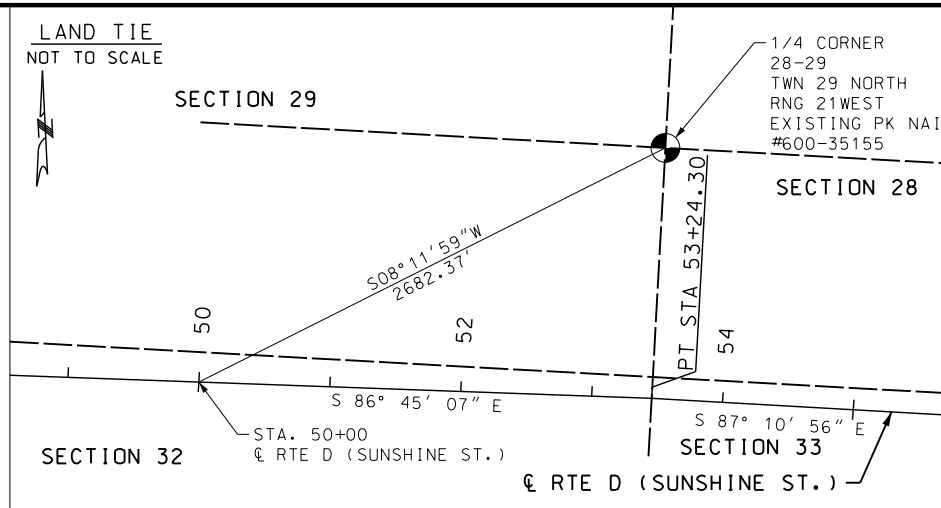
BEFK•Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-444-4444
Fax 314-444-4444
Missouri Certificate of Authority: 001578

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

REV.



PLAN SHEET
8 OF 25



12/18/2025 6:49:33 AM
Paul J. Kronlage - Civil
MO PE - 023328

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

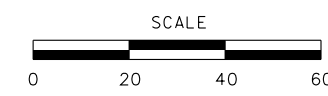
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6536)

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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



- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

POINT	STATION	OFFSET
A	+12.5	45.0' LT
B	+11.4	51.0' LT
C	+56.0	51.0' LT
D	+67.0	45.0' LT
E	+98.0	46.1' LT
F	+05.0	62.0' LT
G	+39.1	62.0' LT
H	+39.4	46.2' LT
I	+75.0	45.0' LT
J	+75.0	51.0' LT
K	+82.0	45.0' LT
L	+59.4	71.0' RT
M	+59.4	67.3' RT
N	+73.0	56.0' RT
O	+73.0	59.0' RT

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Paul J. Kronlage
05/16/2026 3:13:37 PM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/15/2026

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
13

COUNTY
GREENE

JOB NO.
J8S3153

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)

MoDOT

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

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

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

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

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

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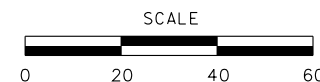
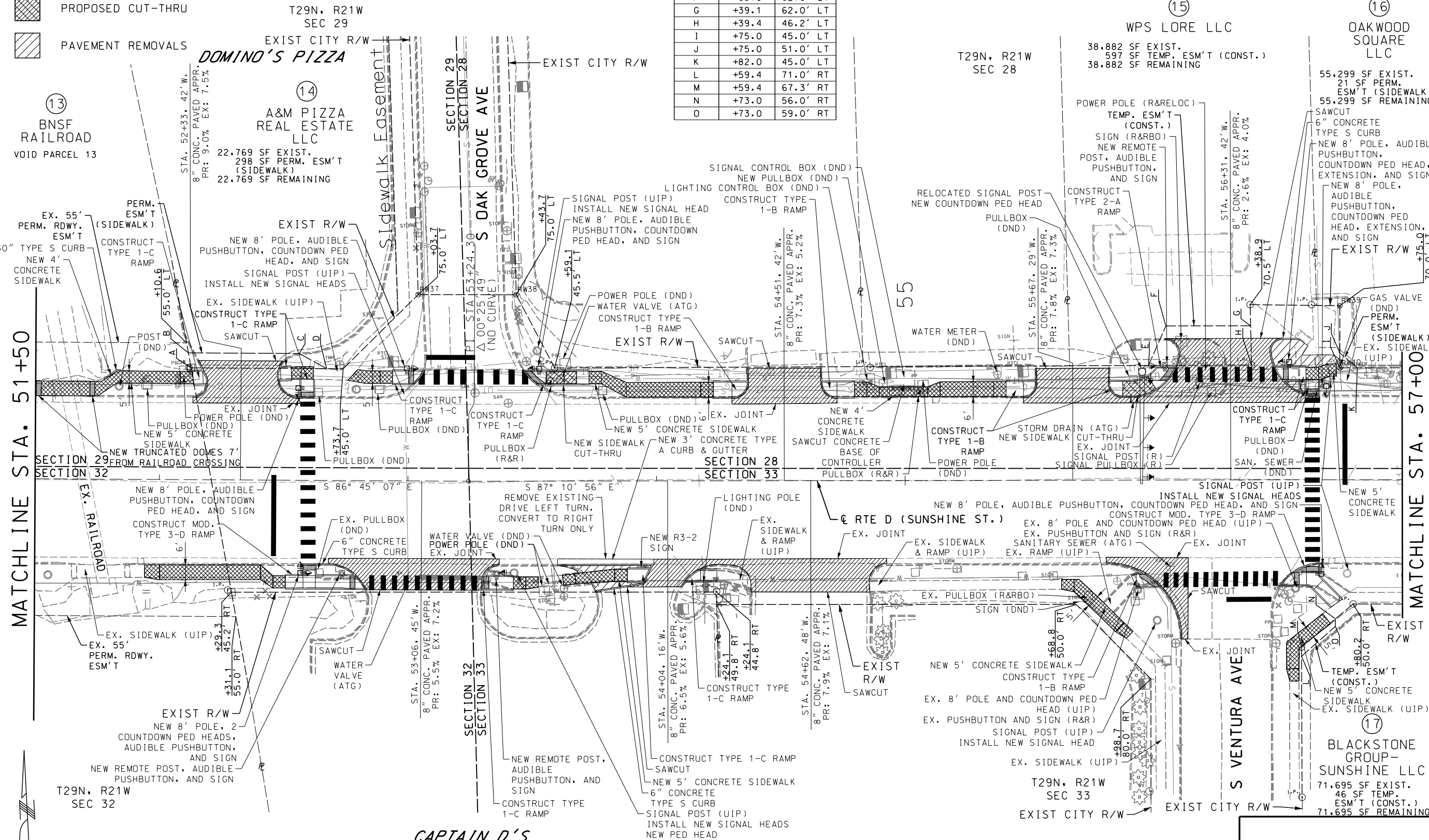
1-888-ASK-MODOT (1-888-275-6636)

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

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

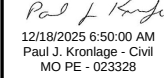


PLAN SHEET
10 OF 25

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



T29N, R21W
SEC 28



ROUTE D	STATE MO
------------	-------------

DISTRICT	SHEET NO.
SW	14

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

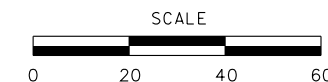
The logo for the Missouri Highways Authority is located in the bottom right corner. It features the text "MISSOURI HIGHWAYS AUTHORITY" in a bold, sans-serif font, arranged in three lines. To the right of the text is a stylized graphic of a road or highway curving upwards and to the right, with a series of parallel lines representing the road's surface.

JEK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314/444-3141
Fax 314/444-3142

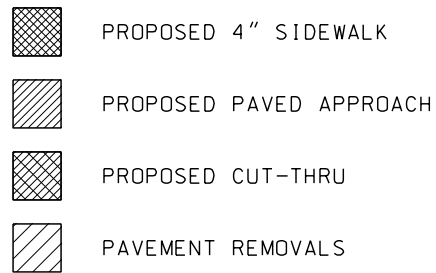
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St. Louis, MO 63021

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1



PLAN SHEET
11 OF 25



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Paul J. Kronlage
12/18/2025 6:50:13 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	15

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

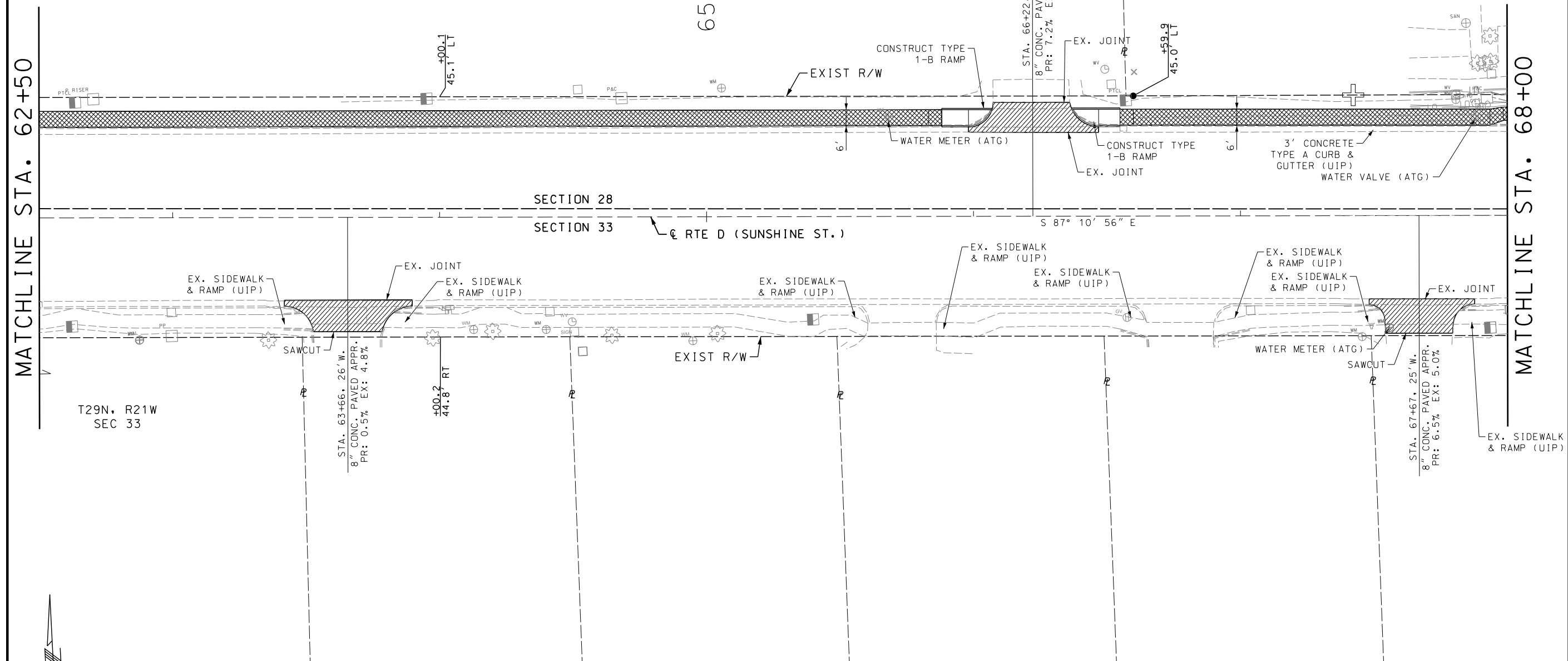
[illegible]

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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SCALE



0 20 40 60

PLAN SHEET
12 OF 25

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

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Paul J. Kronlage
12/18/2025 6:50:26 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 16

COUNTY GREENE

JOB NO. J8S3153

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)

SEE JOB J8S3133 FOR IMPROVEMENTS

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

REV.

2843 E SUNSHINE LLC
182,516 SF EXIST.
925 SF TEMP. ESM'T (CONST.)
182,516 SF REMAINING

VERNON E RHODES
FAMILY PARTNERS LLLP
39,544 SF EXIST.
777 SF TEMP. ESM'T (CONST.)
39,544 SF REMAINING

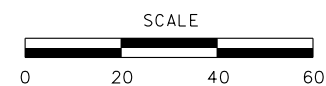
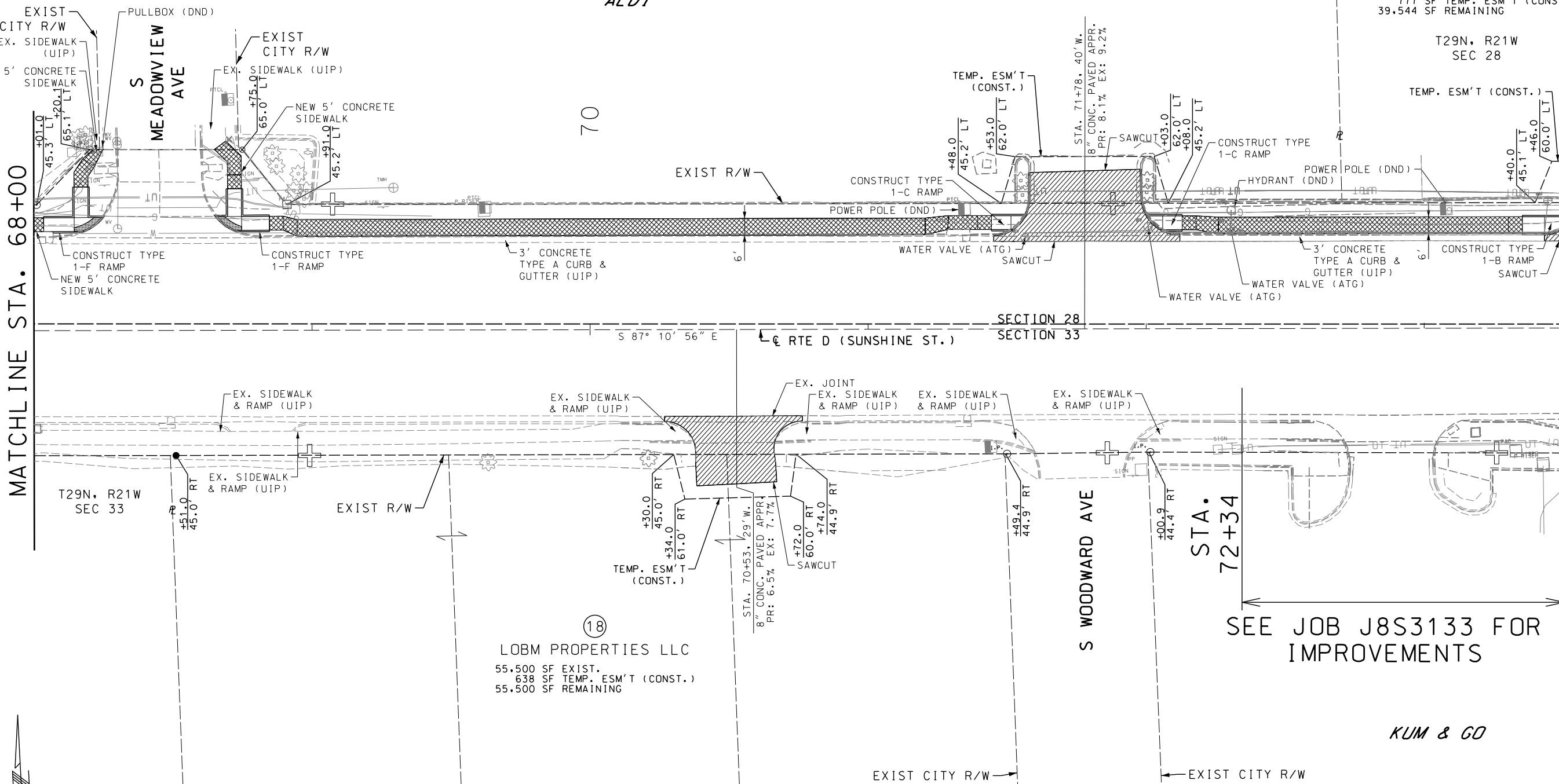
T29N, R21W
SEC 28

ALDI

70

MATCHLINE STA. 68+00

MATCHLINE STA. 73+50

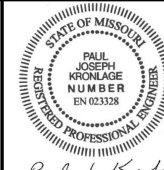


PLAN SHEET
13 OF 25



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12/18/2025 6:50:39 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	17

COUNTY
GREENE

JOB NO.
1853153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible][illegible]

MATCHLINE STA. 73+50

MATCHLINE STA: 79+00

20
N E RHODES
PARTNERS LLP

21
PEOPLES, BK OZARKS

STA. 74+67

```

35,754 SF EXIST.
      536 SF TEMP. ESM'T (CONST.)
35,754 SF REMAINING

```

52

SONIC DRIVE-IN

(22)
SUTHER BLDG
MATERIAL SUPPLY

```

91,602 SF EXIST.
    483 SF TEMP. ESM'T (CONST.)
91,602 SF REMAINING

```

T29N, R21W
SEC 28

TENT. TEMP.
ESM'T (CONST.)
EX. JOINT

STA. 78+44, 37' W.

SECTION 28
SECTION 33

S 87° 10' 56" E

Q RTE D (SUNSHINE ST.)

STA. 75+24

T29N, R21W
SEC 33

KUM & GO

SEE JOB J8S3133 FOR
IMPROVEMENTS

SCALE

0 20 40 60

PLAN SHEET
14 OF 25

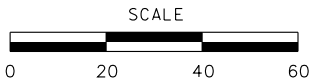
JEFF MOEN
Civil Engineering Design

31523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

Phone 314/414-0000
Fax 314/414-0001
Missouri Certificate of Authority: 00157570

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

REV.



HEPK♦Moen
Civil Engineering Design

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

Phone 314 314-3143
Fax 314 314-3143
Missouri Certificate of Authority: 00157572

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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REV.

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Paul J. Kronlage
12/18/2025 6:50:50 AM
Paul J. Kronlage - Civil
MO PE - 023328

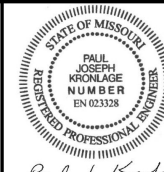
DATE PREPARED	
12/15/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	18
COUNTY	
GREENE	
JOB NO.	
J8S3153	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

--	--	--	--	--	--	--	--

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

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12/18/2025 6:51:12 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO
DISTRICT SW SHEET NO. 20

COUNTY GREENE
JOB NO. J8S3153
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)

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

PLAN SHEET 17 OF 25

SCALE

0 20 40 60

SEE JOB J8S3133 FOR IMPROVEMENTS

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

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EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

EXIST CITY R/W

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 90+00

MATCHLINE STA. 95+50

30
RAGA PROPERTIES LLC
VOID

MERCY
URGENT
CARE

S ST CHARLES AVE

S MAYFAIR AVE

32
NNN PROPERTIES
LLC-
3230 E
SUNSHINE
VOID

STA. 91+61

T29N, R21W
SEC 33

T29N, R21W
SEC 28

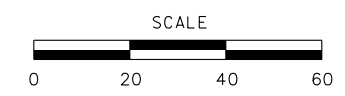
SECTION 28
SECTION 33 S 87° 31' 53" E

Q RTE D (SUNSHINE ST.)

SEE JOB J8S3133 FOR
IMPROVEMENTS

EXIST CITY R/W

EXIST CITY R/W



PLAN SHEET
17 OF 25

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

DISCLAIMER
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Paul J. Kronlage
12/18/2025 6:51:38 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO

DISTRICT SW SHEET NO. 22

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

SECTION 28

SECTION 33

SECTION 35

SECTION 36

SECTION 37

SECTION 38

SECTION 39

SECTION 40

SECTION 41

SECTION 42

SECTION 43

SECTION 44

SECTION 45

SECTION 46

SECTION 47

SECTION 48

SECTION 49

SECTION 50

SECTION 51

SECTION 52

SECTION 53

SECTION 54

SECTION 55

SECTION 56

SECTION 57

SECTION 58

SECTION 59

SECTION 60

SECTION 61

SECTION 62

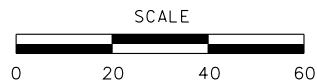
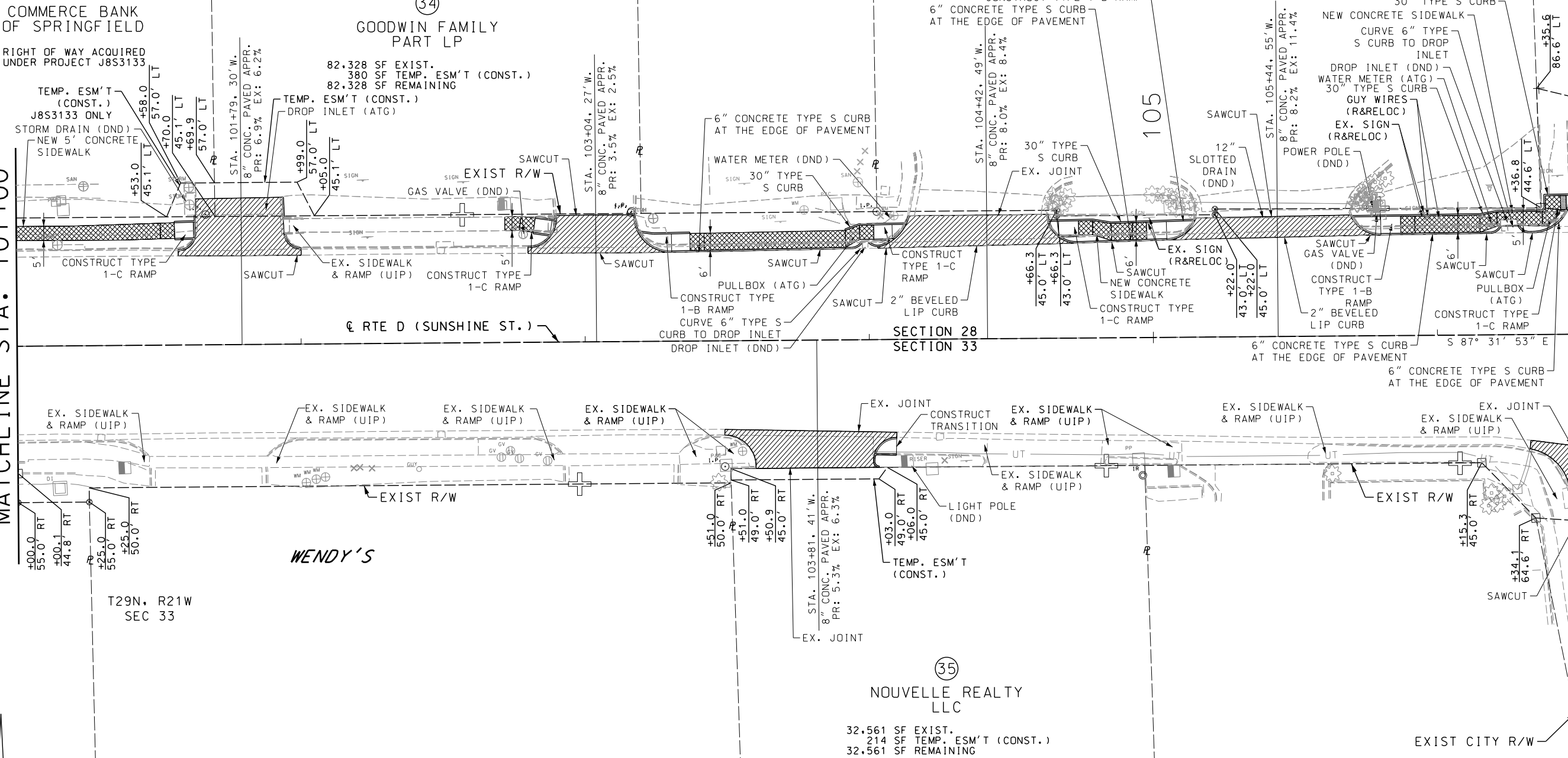
SECTION 63

SECTION 64

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE STA. 101+00

S OLD INGRAM MILL RD MATCHLINE STA. 106+50 S INGRAM MILL RD

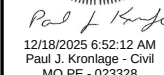
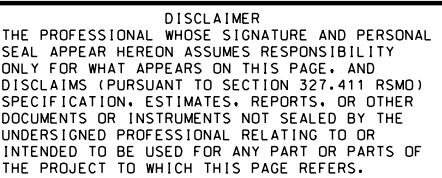


PLAN SHEET
19 OF 25

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

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





DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

D	MU
DISTRICT	SHEET NO.
SW	25

SW	25
COUNTY	
GREENE	

GREENE
JOB NO.
1063153

J855155
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102



JEFF K MOEN
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314- 314-
Fax 314- 314-

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

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

Missouri Certificate of Authority: 001578	1-888-ASK-MOODOT (1-888-275-6636)	NO.

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

T29N, R21W
SEC 27

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12/18/2025 6:52:26 AM
Paul J. Kronlage - Civil
MO PE - 023328

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12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 26

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

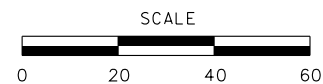
BRIDGE NO.

MATCHLINE STA. 121+30

MATCHLINE STA. 126+50

SECTION 27
SECTION 34

T29N, R21W
SEC 34



PLAN SHEET
23 OF 25

EFK Moen
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St. Louis, MO 63021
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Fax 314-394-3199
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REV.

- PROPOSED 4" SIDEWALK
- PROPOSED PAVED APPROACH
- PROPOSED CUT-THRU
- PAVEMENT REMOVALS

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12/18/2025 6:52:41 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 27

COUNTY GREENE

JOB NO. J8S3153

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)

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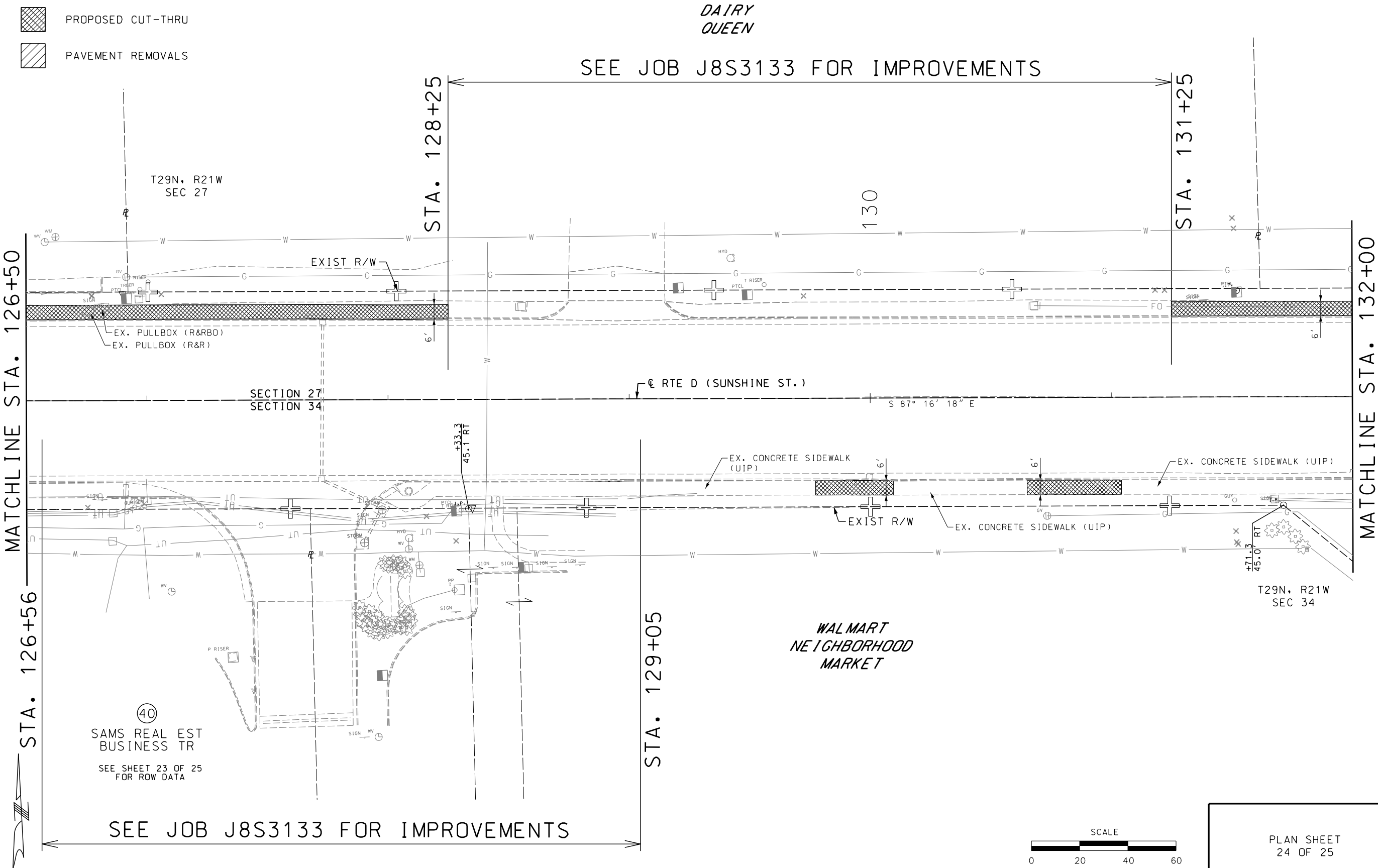
MoDOT

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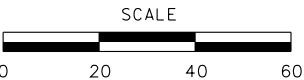
MoDOT



PLAN SHEET
24 OF 25

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

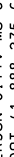


EFC Moen
Civil Engineering Design

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

Phone 314 311-1111
Fax 314 311-1111
Missouri Certificate of Authority: 001572

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



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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

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

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION

EFC♦Moen
Civil Engineering Design

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

Phone 314 311-1111
Fax 314 311-1111
Missouri Certificate of Authority: 001572

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

Missouri Certificate of Authority: 001578

PROJECT NO.

BRIDGE NO.

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Year	1999	2000	2001	2002	2003	2004
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2000	100	100	100	100	100	100
2001	100	100	100	100	100	100
2002	100	100	100	100	100	100
2003	100	100	100	100	100	100
2004	100	100	100	100	100	100

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Fig. 2

Ph

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↑ [Back to top](#)

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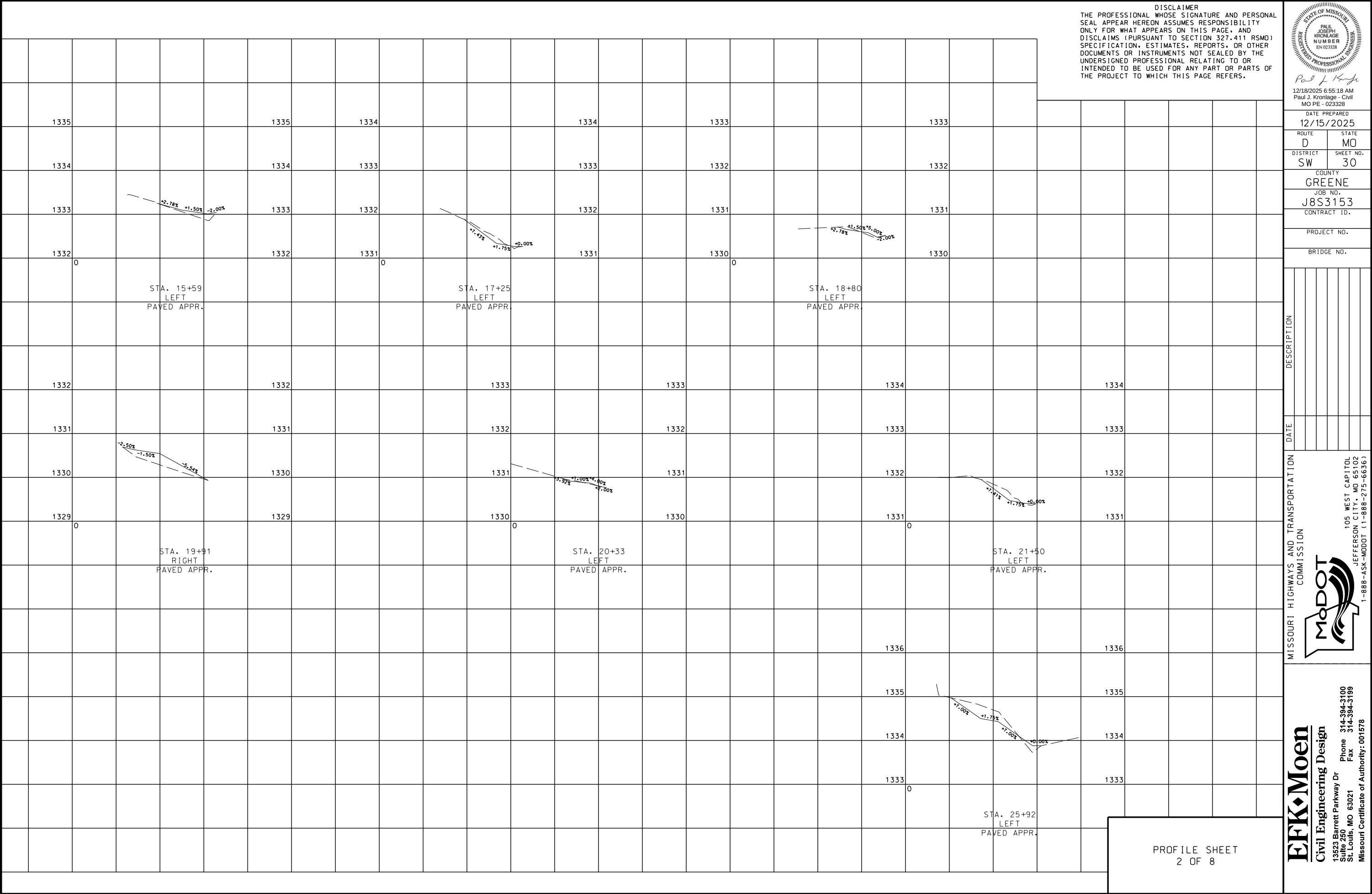
FC 13 Su

45 AM 12/15/

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED:

REV.

Z:\21051 MoDOT Route D J8S3153\DGN\Design\Final\Plotsheets\028_PL_25_8S3153_i20.dgn 8:11:45 AM 12/15/2025



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12/18/2025 6:55:18 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE
D

STATE
MO

DISTRICT
SW

SHEET NO.
30

COUNTY
GREENE

JOB NO.
J8S3153

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)

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

PROFILE SHEET
2 OF 8



Paul J. Kronlage
12/18/2025 6:55:29 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED	
12/15/2025	
ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	31
COUNTY	
GREENE	
JOB NO.	
J8S3153	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

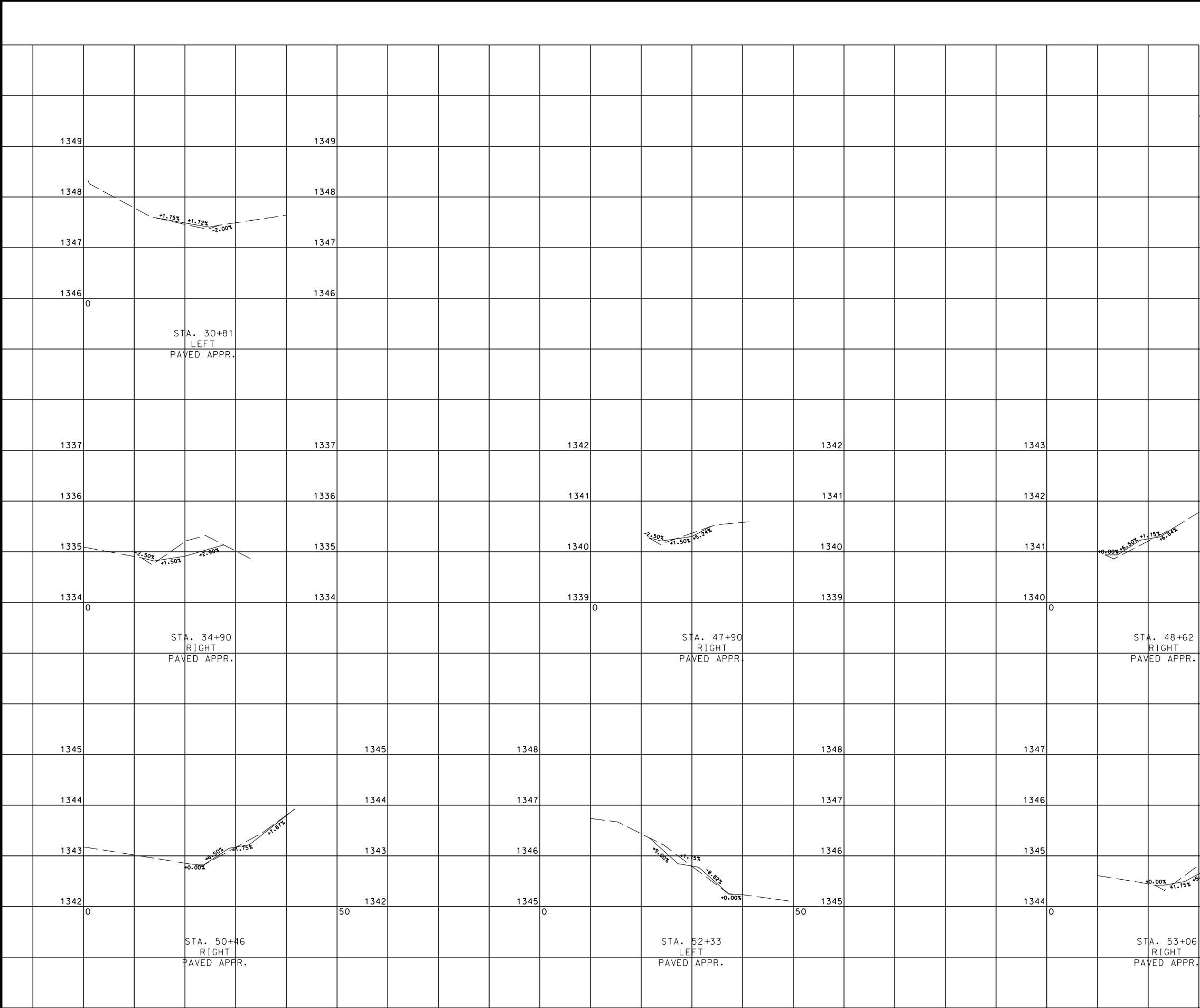
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MoDOT
COMMISSION

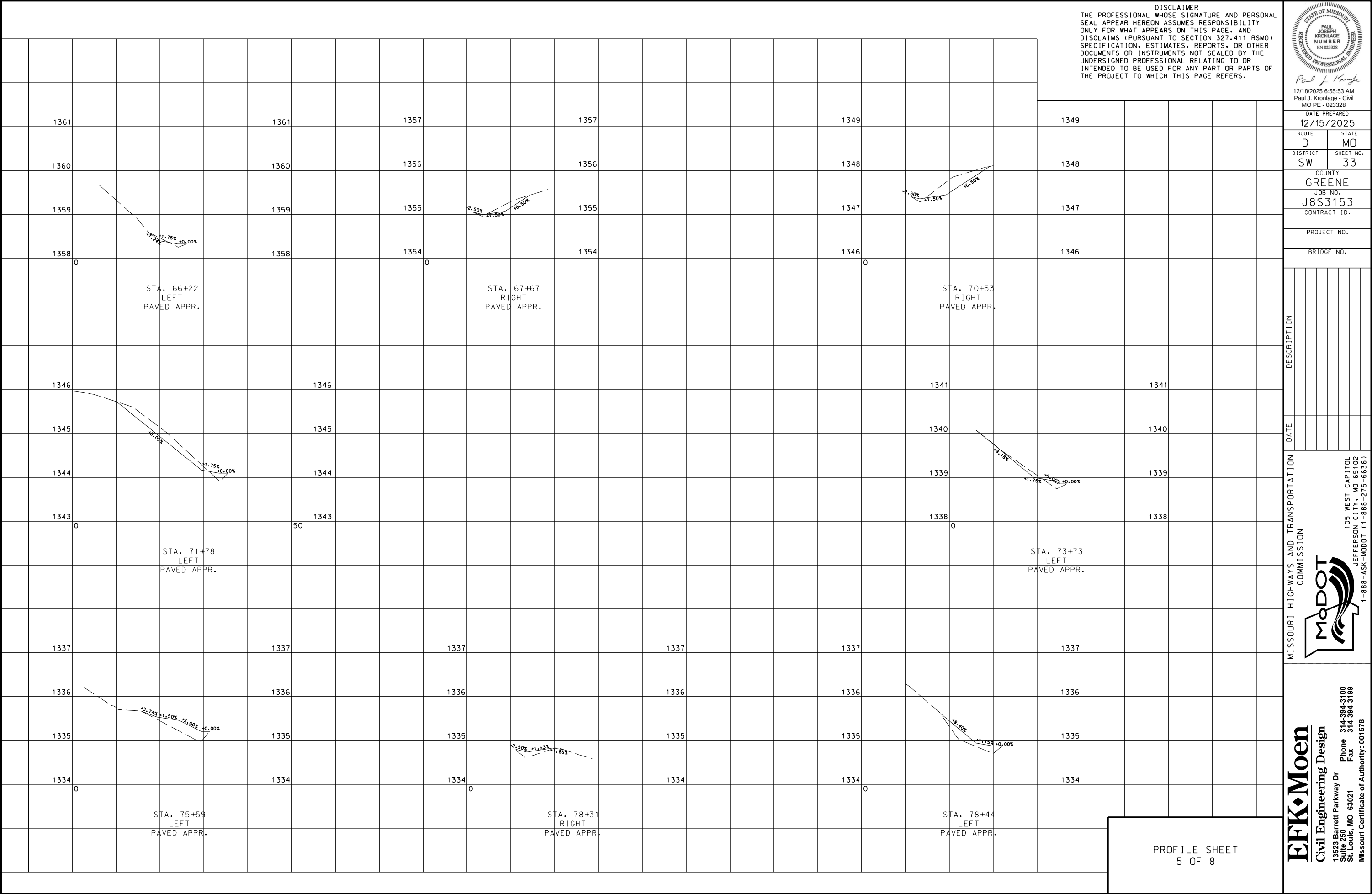
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

EPC 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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PROFILE SHEET
3 OF 8



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Paul J. Kronlage
12/18/2025 6:55:53 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 33

COUNTY GREENE

JOB NO. J8S3153

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)

MoDOT

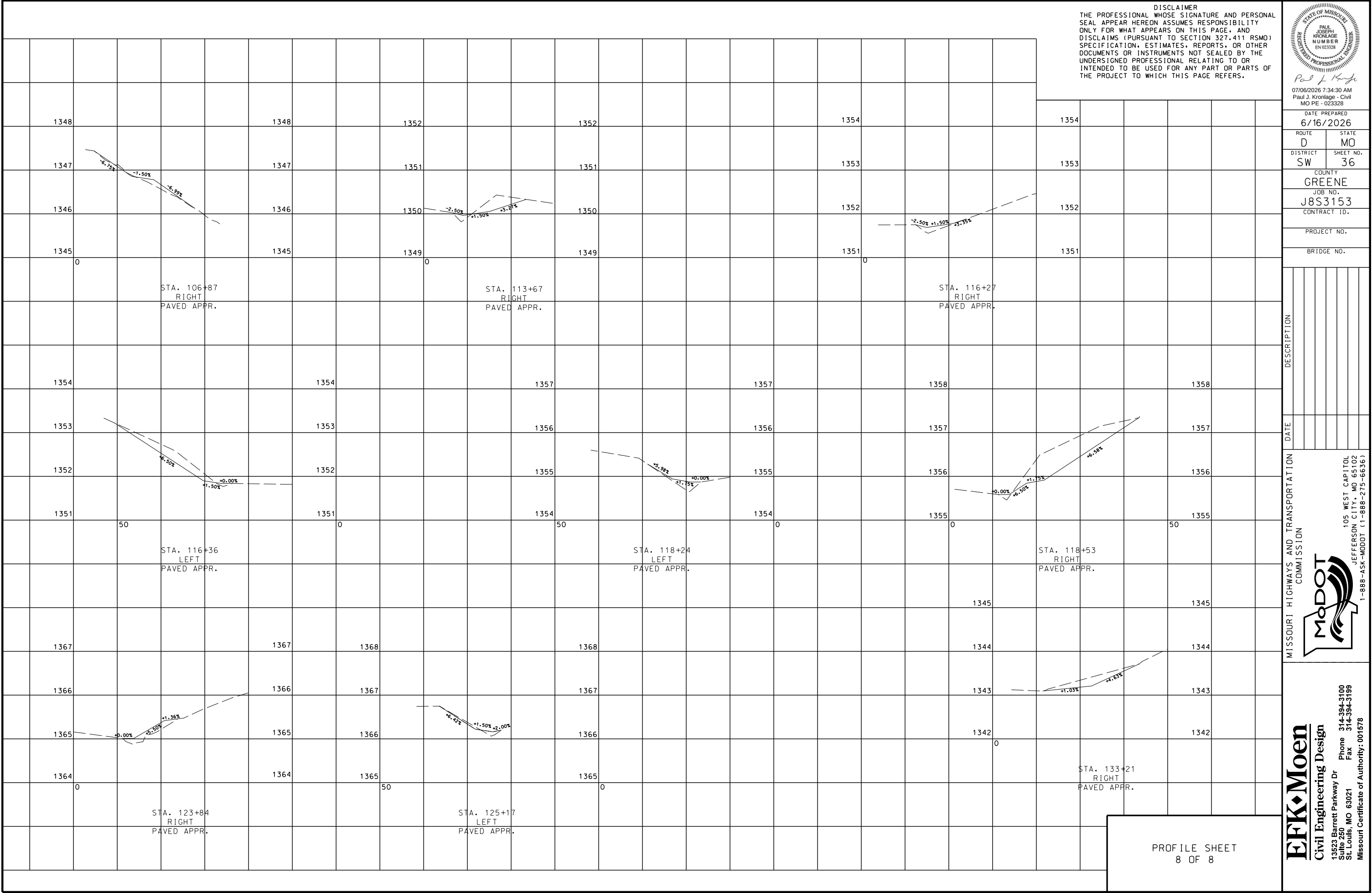
EFK Moen

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

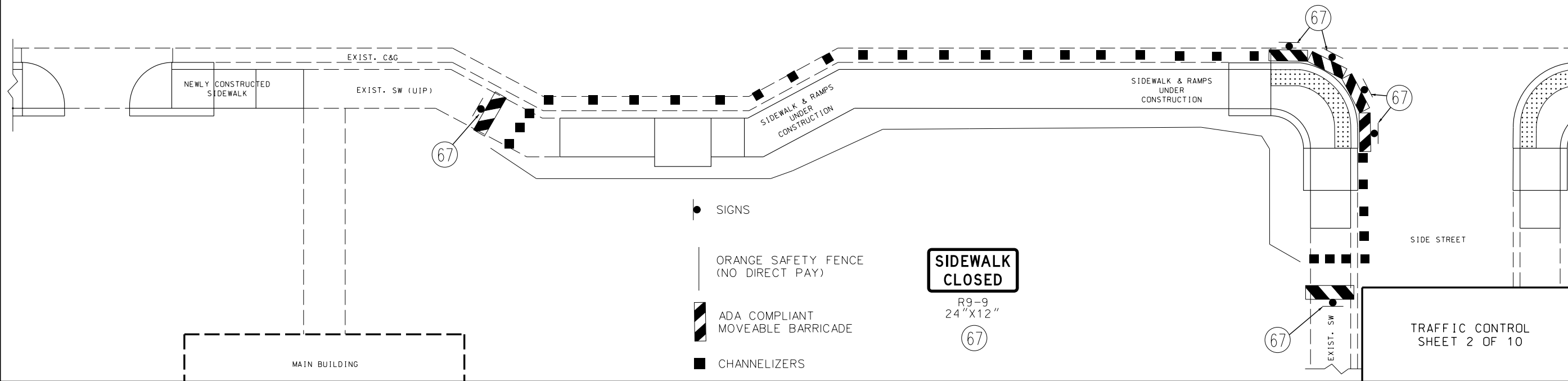
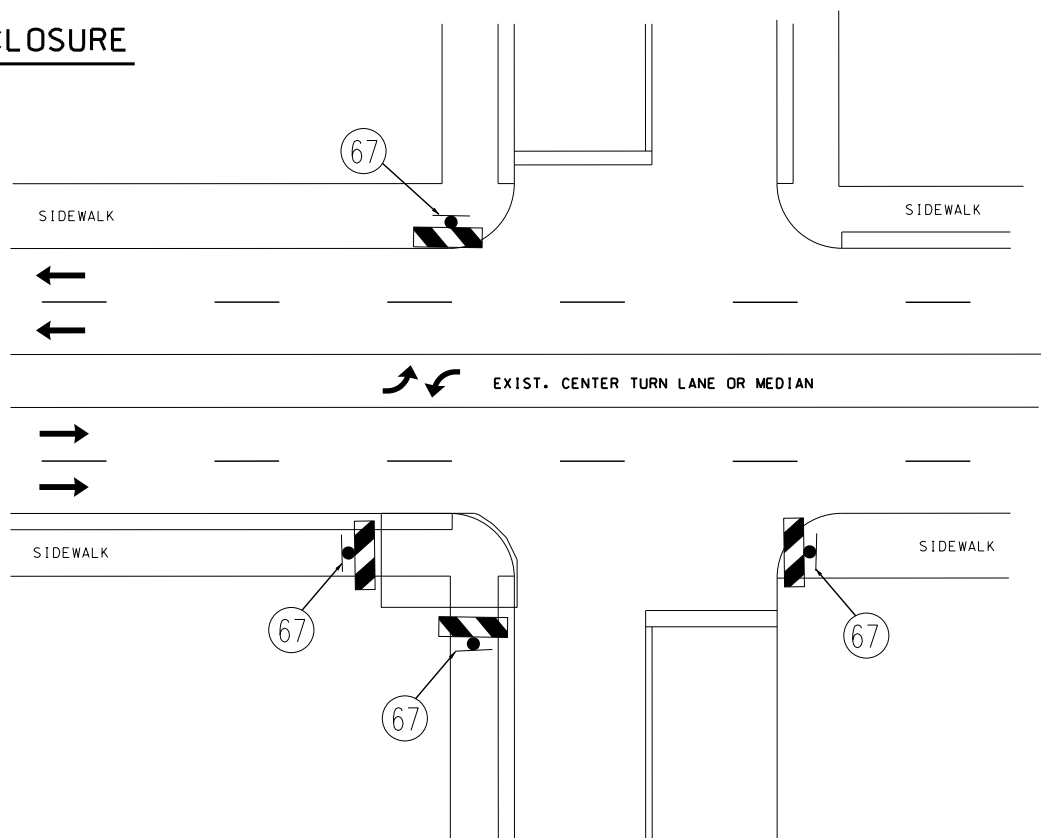


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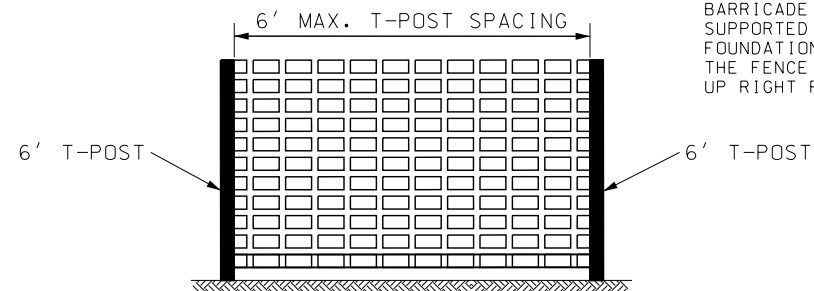
1. NO DIRECT PAYMENT WILL BE MADE FOR ORANGE SAFETY FENCE AS REQUIRED AROUND EXCAVATION OF SIDEWALK & CURB RAMP AREAS.
2. SEE JSP's FOR PEDESTRIAN TRAFFIC DEVICES.
3. WORKING AREAS SHALL BE GUARDED FROM PEDESTRIAN ACCESS BY BARRICADE FENCING 36" TO 48" IN HEIGHT WITH A GAP NO GREATER THAN 6" FROM THE GROUND AND HOLES NO GREATER THAN 4" IN ANY DIRECTION.
4. PEDESTRIAN ACCESS ON SIDEWALK SHALL BE PROVIDED WITH A WIDTH NOT LESS THAN 4' OF SMOOTH, STABLE SURFACING ADJACENT TO BARRICADE FENCING FOR ACCESS TO THE MAIN BUILDING.
5. SIDEWALK RAMP CLOSURES FOR RECONSTRUCTION SHALL BE PERFORMED WITH ADA COMPLIANT MOVEABLE BARRICADES. TWO BARRICADES PER PEDESTRIAN APPROACH. ONE SIDEWALK CLOSED SIGN WILL BE PLACED UPON ONE BARRICADE FOR EACH APPROACH, NO MORE THAN ONE 5' SECTION OF SIDEWALK RAMP SHALL BE CLOSED LEADING TO THE MAIN BUILDING AT ANY TIME ADJACENT TO THE WORK AREA.

MULTI-LANE
TYPICAL SIDEWALK CLOSURE

NOT TO SCALE



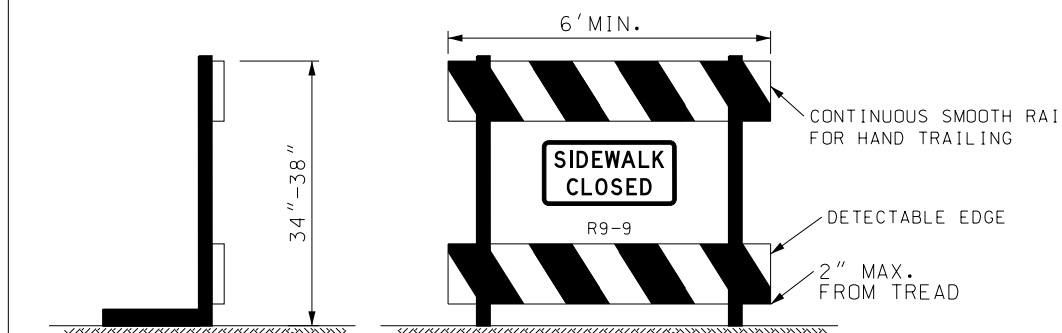
ORANGE PLASTIC SAFETY FENCE



NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR
BARRICADE FENCING SHALL BE
SUPPORTED WITH T-POST, ADEQUATE
FOUNDATIONS, AND BALLAST SO THAT
THE FENCE REMAINS TAUT AND IN AN
UP RIGHT POSITION.



ADA COMPLIANT MOVEABLE BARRICADE



1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES.
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS, OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS IS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.

REVISED: 11-19-2018



Paul J. Kronlage
12/18/2025 6:57:07 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 39

COUNTY GREENE

JOB NO. J8S3153

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)

MoDOT

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

EFK Moen

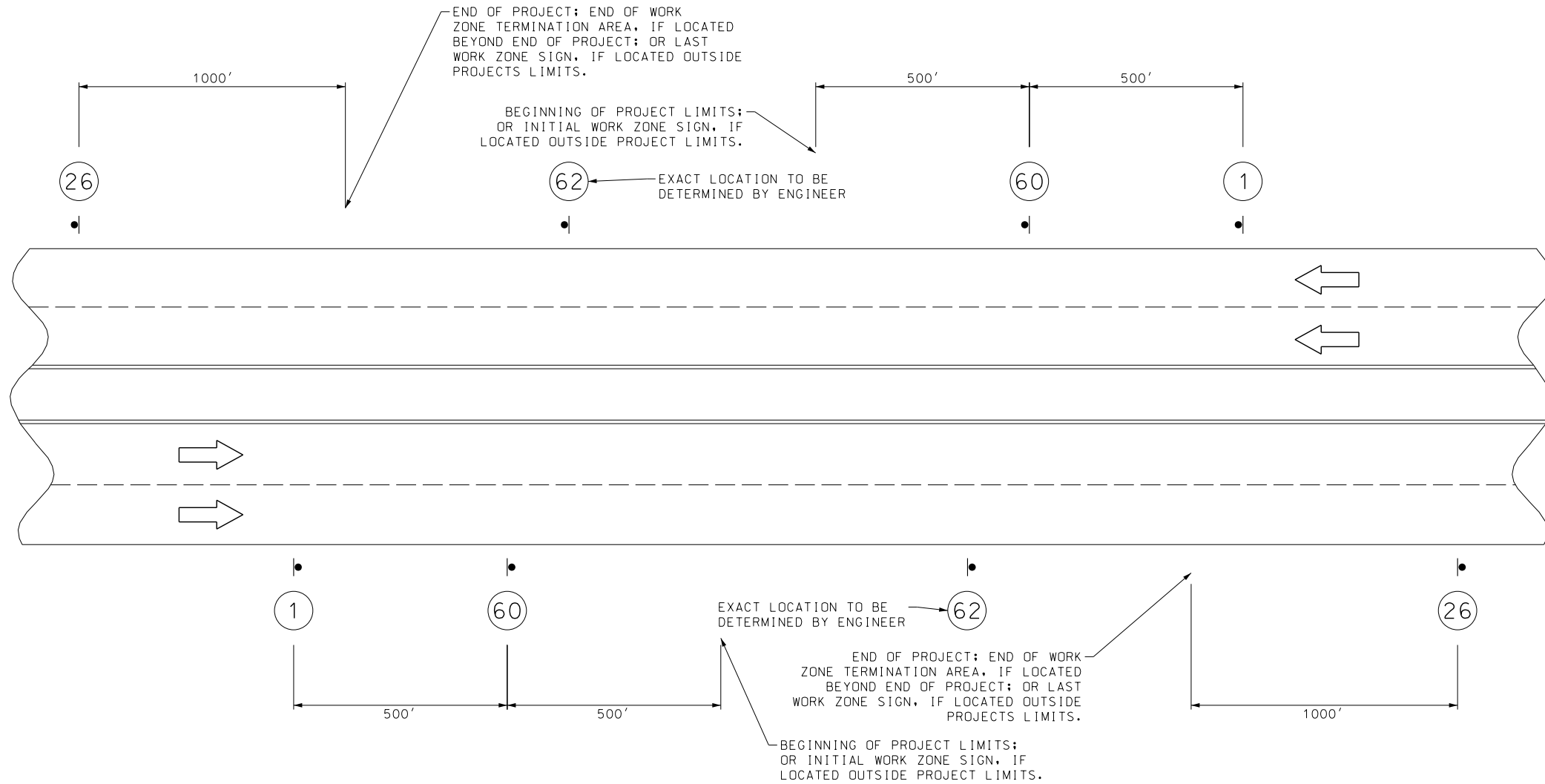
Civil Engineering Design

TRAFFIC CONTROL SHEET 2 OF 10

BEGINNING AND END OF PROJECT

GENERAL TCP NOTES:

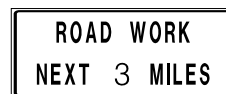
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
- 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
- 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMPS, AND CROWSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



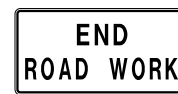
CONST-8
48"X36"



CONST-5-48
48"X36"



G020-1
60"X24"



G020-2
48"X24



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 3 OF 10



Paul J. Kronlage
12/18/2025 6:57:18 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D	STATE MO
------------	-------------

DISTRICT SW	SHEET NO. 40
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COUNTY
GREENE

JOB NO.
J8S3153

0055155
CONTRACT ID.

CONTRACT 101

PROJECT NO.

PROJECT NO.:

BRIDGE NO.

[illegible]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

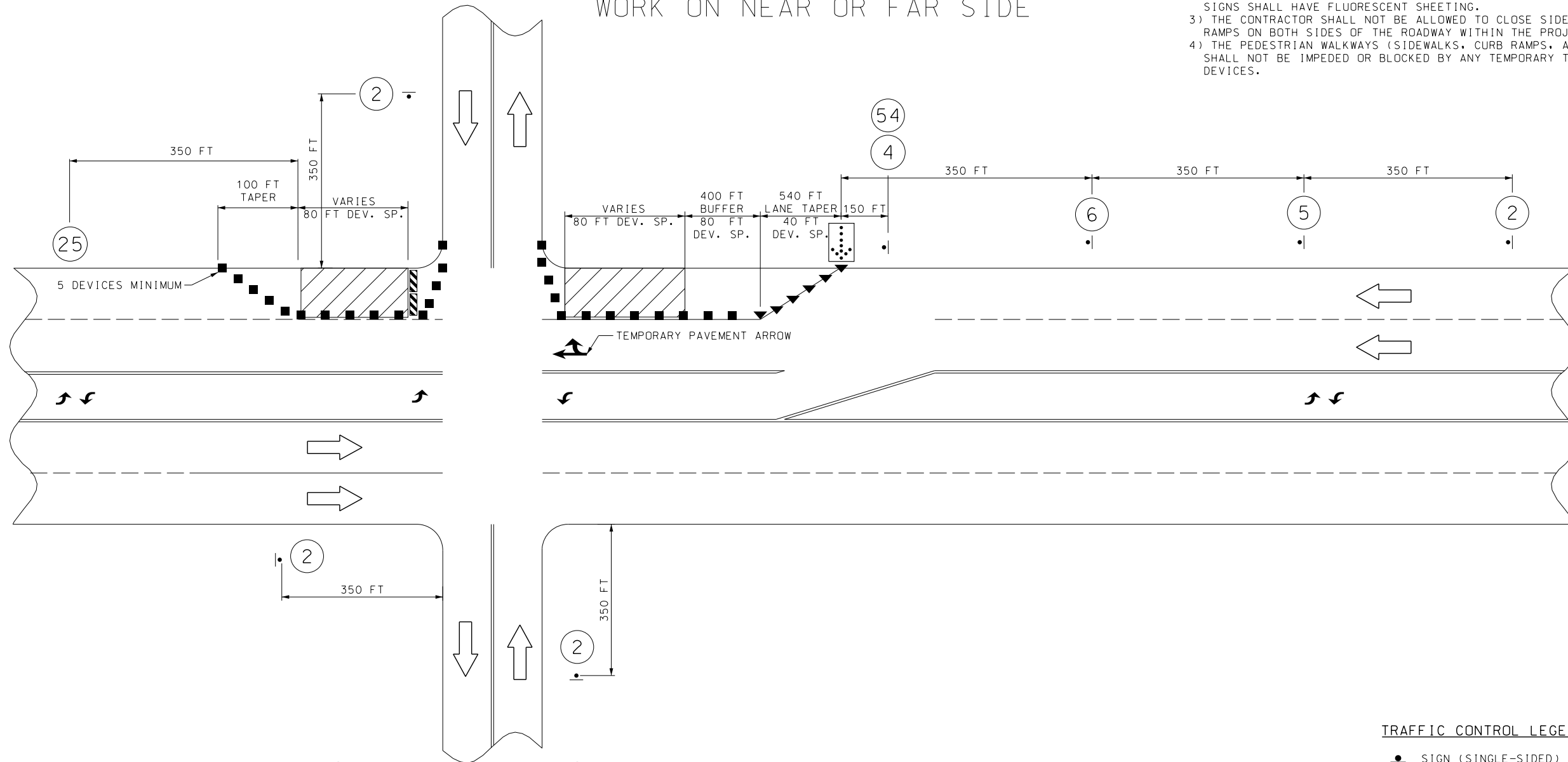
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

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RIGHT LANE CLOSURE AT INTERSECTION WORK ON NEAR OR FAR SIDE

- GENERAL TCP NOTES:
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 - 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 - 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
 - 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMPS, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



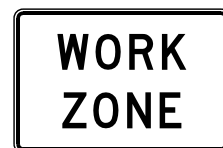
W020-1
48" x 48"



W020-6a
48" x 48"



W020-5
48" x 48"



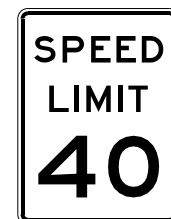
G020-5aP
36"x24"



R2-1
36" x 48"



REDUCED SPEED



R2-1
36"x48"



NORMAL SPEED

TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE-SIDED)
-  CHANNELIZER (TRIM LINE)
-  ARROW PANEL
-  WORK AREA
-  TYPE 3 MOVABLE BARRICADE
-  DIRECTIONAL INDICATOR BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 10



Paul J. Kronlage
12/18/2025 6:57:31 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D	STATE MO
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DISTRICT SW	SHEET NO. 41
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COUNTY
GREENE

JOB NO.
J8S3153

00000100
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

JEK Moen
Civil Engineering Design
13523 Barrett Parkway Dr

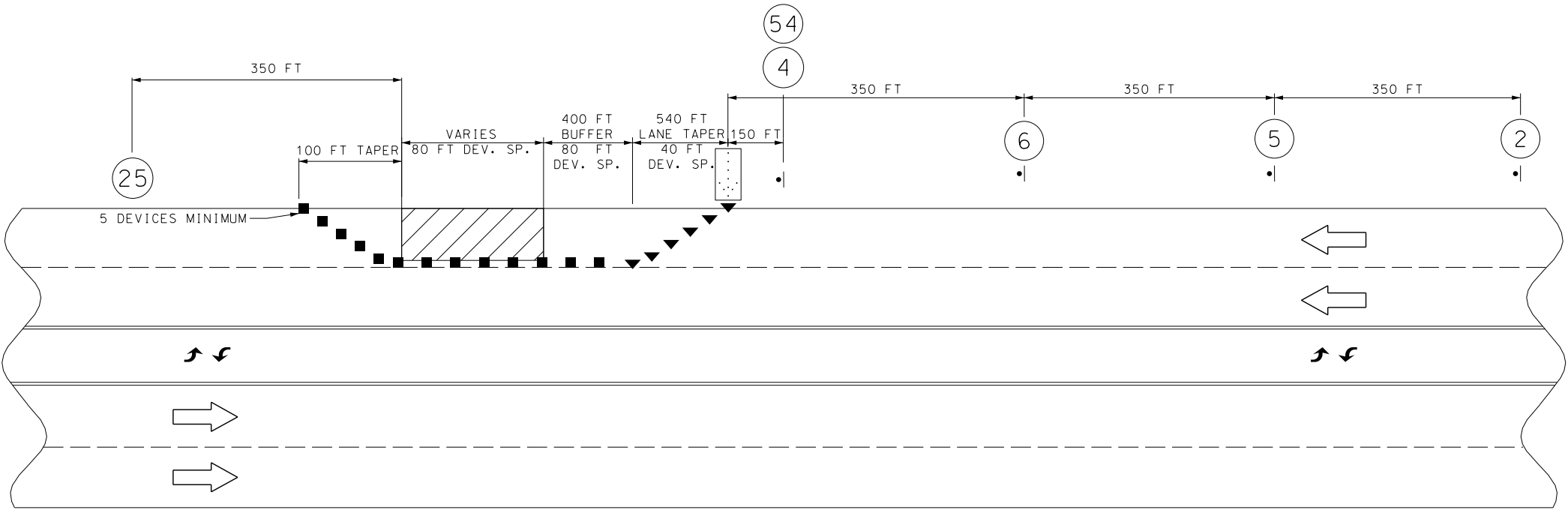
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

SINGLE LANE CLOSURE

- GENERAL TCP NOTES:
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 - 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 - 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
 - 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMPS, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



W020-1
48"x48"

2



W020-5
48"x48"

5



W020-6a
48"x48"

6



R2-1
36"x48"

4

REDUCED SPEED



G020-5aP
36"x24"

54



R2-1
36"x48"

25

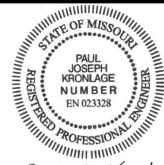
NORMAL SPEED

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- CHANNELIZER (TRIM LINE)
- ARROW PANEL
- WORK AREA
- TYPE 3 MOVABLE BARRICADE
- DIRECTIONAL INDICATOR BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET 5 OF 10



Paul J. Kronlage
12/18/2025 6:57:41 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO
DISTRICT SW SHEET NO. 42

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

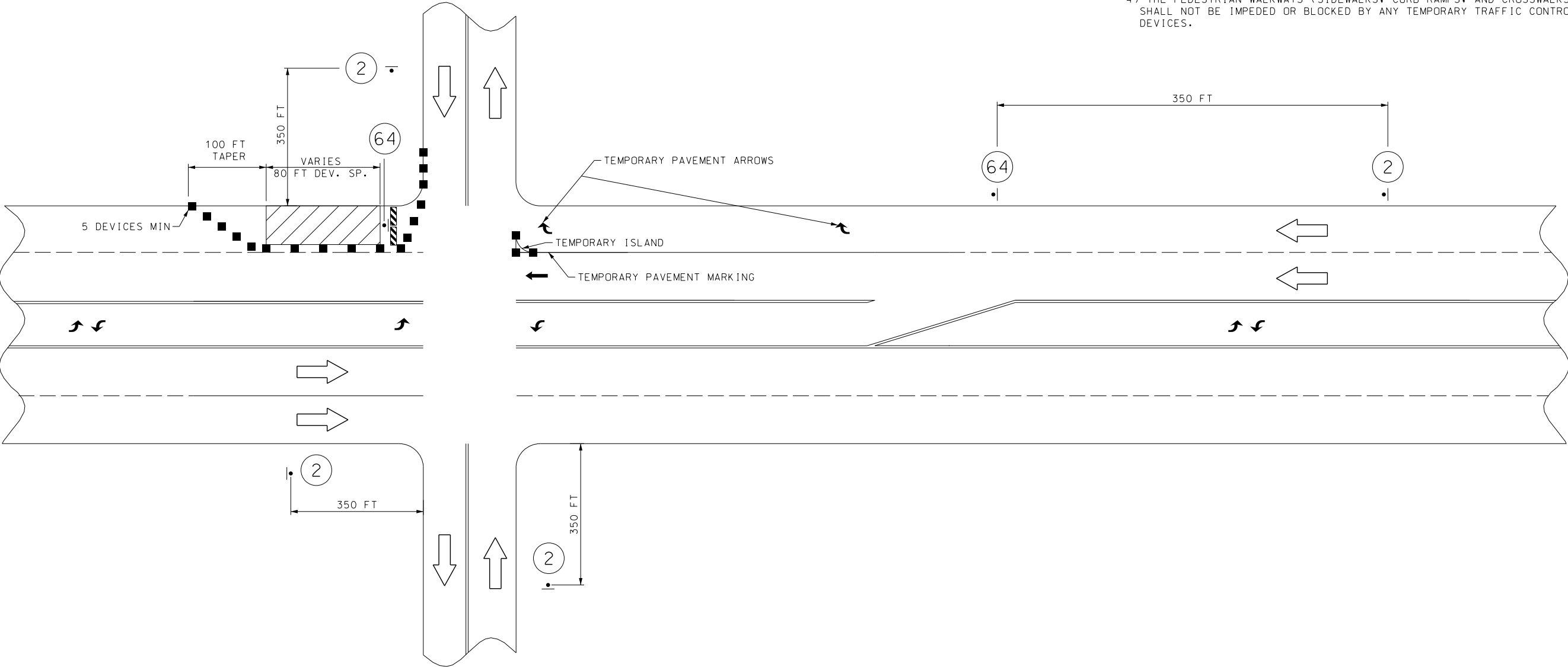
DESCRIPTION	DATE

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

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

RIGHT LANE CLOSURE AT
INTERSECTION WORK ON FAR SIDE

- GENERAL TCP NOTES:
1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMPS, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



W020-1
48" x 48"

2



R3-7R
30" x 30"

64

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- CHANNELIZER (TRIM LINE)
- ARROW PANEL
- WORK AREA
- TYPE 3 MOVABLE BARRICADE
- ▼ DIRECTIONAL INDICATOR BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET 6 OF 10



Paul J. Kronlage
12/18/2025 6:57:52 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO
DISTRICT	SHEET NO.
SW	43

COUNTY
GREENE
JOB NO.
J8S3153
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)

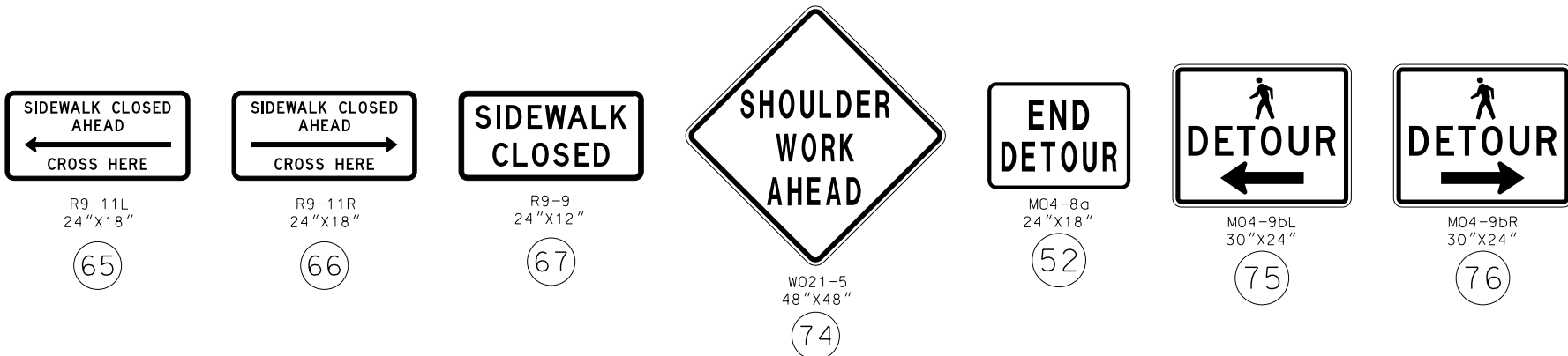
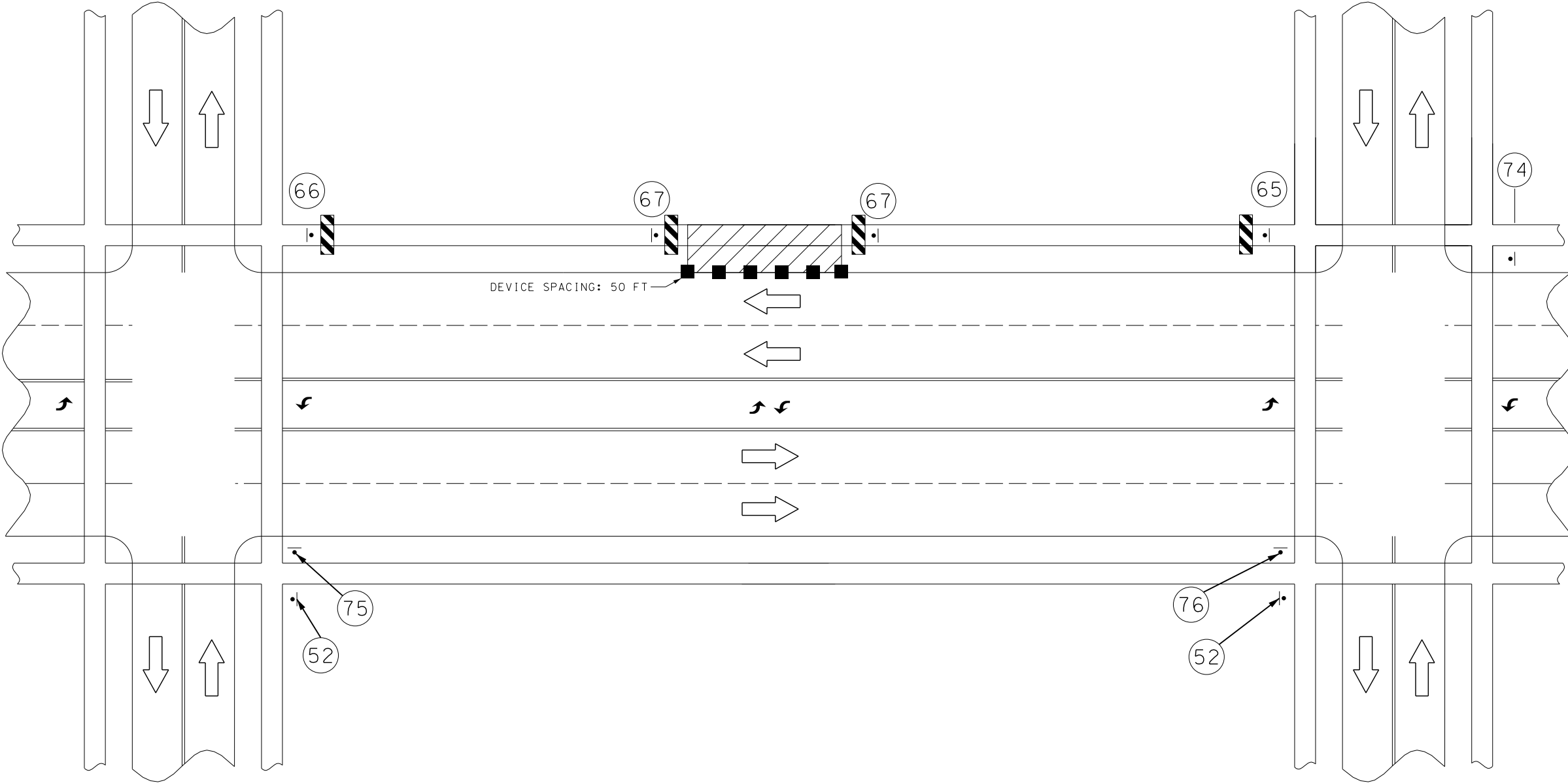
EFK Moen
Civil Engineering Design

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

SIDEWALK CLOSURE

GENERAL TCP NOTES:

- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
- 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- 3) THE CONTRACTOR SHALL NOT CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.



TRAFFIC CONTROL LEGEND

- | | |
|---|--|
|  | SIGN (SINGLE-SIDED) |
|  | TYPE 3 MOVABLE BARRICADE (ADA COMPLIANT) |
|  | CHANNELIZER (TRIM LINE) |
|  | ARROW PANEL |
|  | WORK AREA |

NOT TO SCALE

TRAFFIC CONTROL
SHEET 7 OF 10



Paul J. Kronlage
12/18/2025 6:58:04 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	44

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

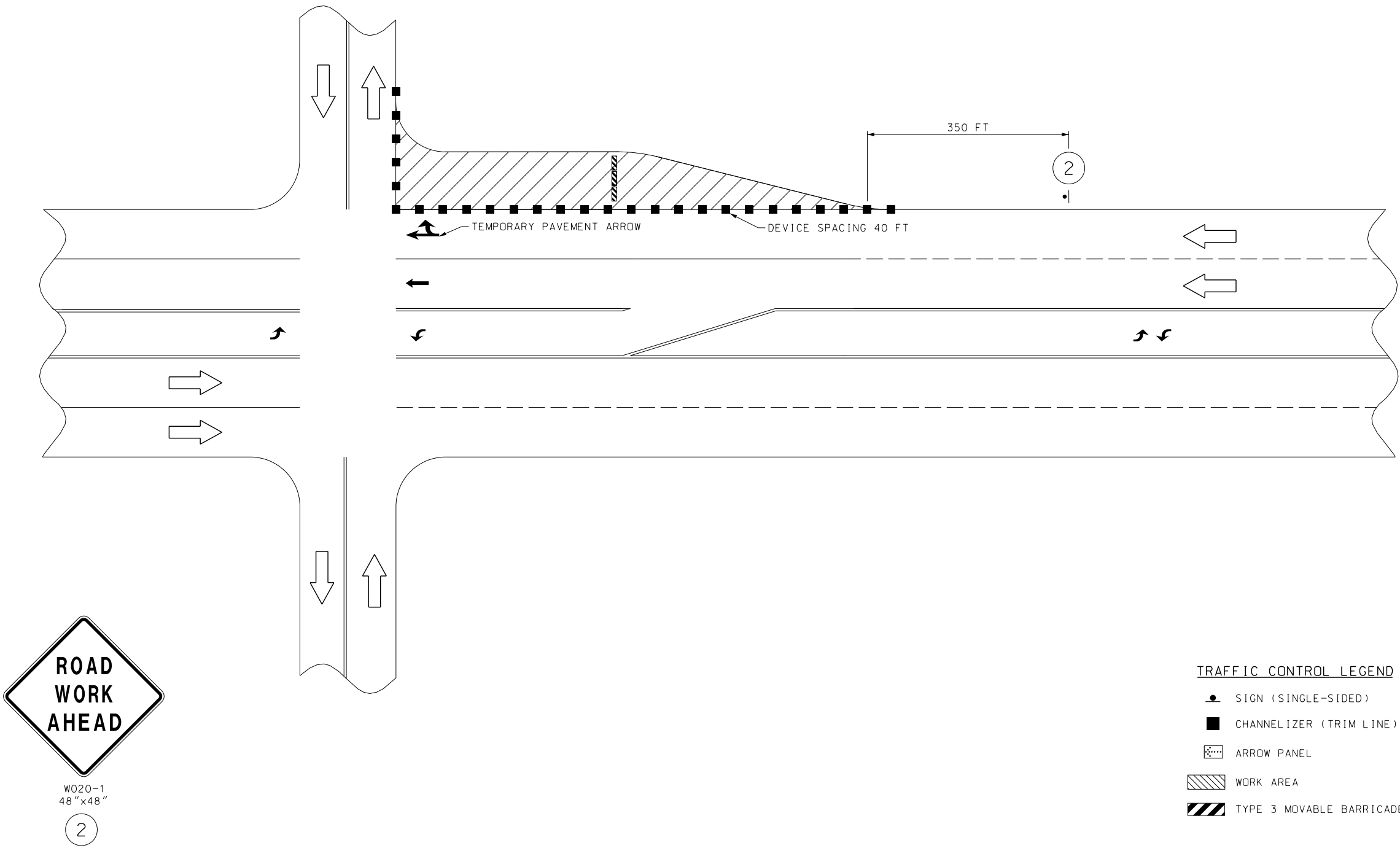
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

RIGHT TURN LANE CLOSURE AT INTERSECTION

- GENERAL TCP NOTES:
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED. NO DIRECT PAY.
 - 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 - 3) THE CONTRACTOR SHALL NOT BE CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
 - 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMPS, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



NOT TO SCALE

TRAFFIC CONTROL
SHEET 8 OF 10



Paul J. Kronlage
12/18/2025 6:58:15 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 45

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

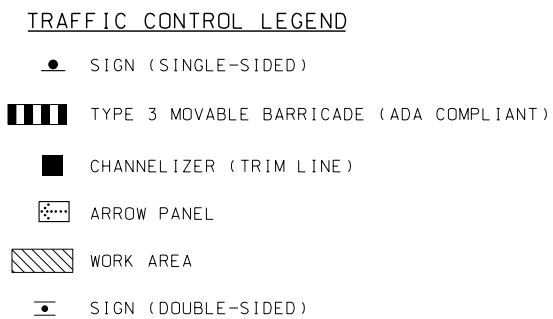
MoDOT

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

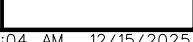
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

GENERAL TCP NOTES:

- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED. NO DIRECT PAY.
- 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
- 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.



TRAFFIC CONTROL
SHEET 9 OF 10



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

DATE PREPARED
12/15/2025

D	MO
DISTRICT	SHEET NO.

COUNTY
GREENE

J8S3153

PROJECT NO.

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REV.

(3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.



EROSION CONTROL SHEET
1 OF 3



DATE PREPARED
12/15/2025

DISTRICT SW	SHEET NO. 49
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JOB NO.
J8S3153

PROJECT NO.

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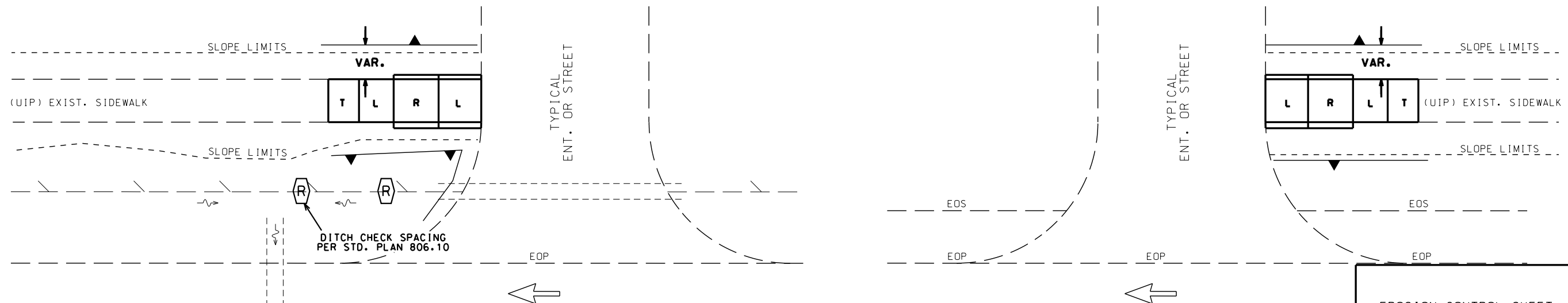
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(3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.



TYPICAL EROSION CONTROL APPLICATIONS FOR NEW CURB RAMP CONSTRUCTION

EFK♦Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314/441-1100
Fax 314/441-1101
Missouri Certificate of Authority: 00157570

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

DATE PREPARED 12/15/2025	
ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 50

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

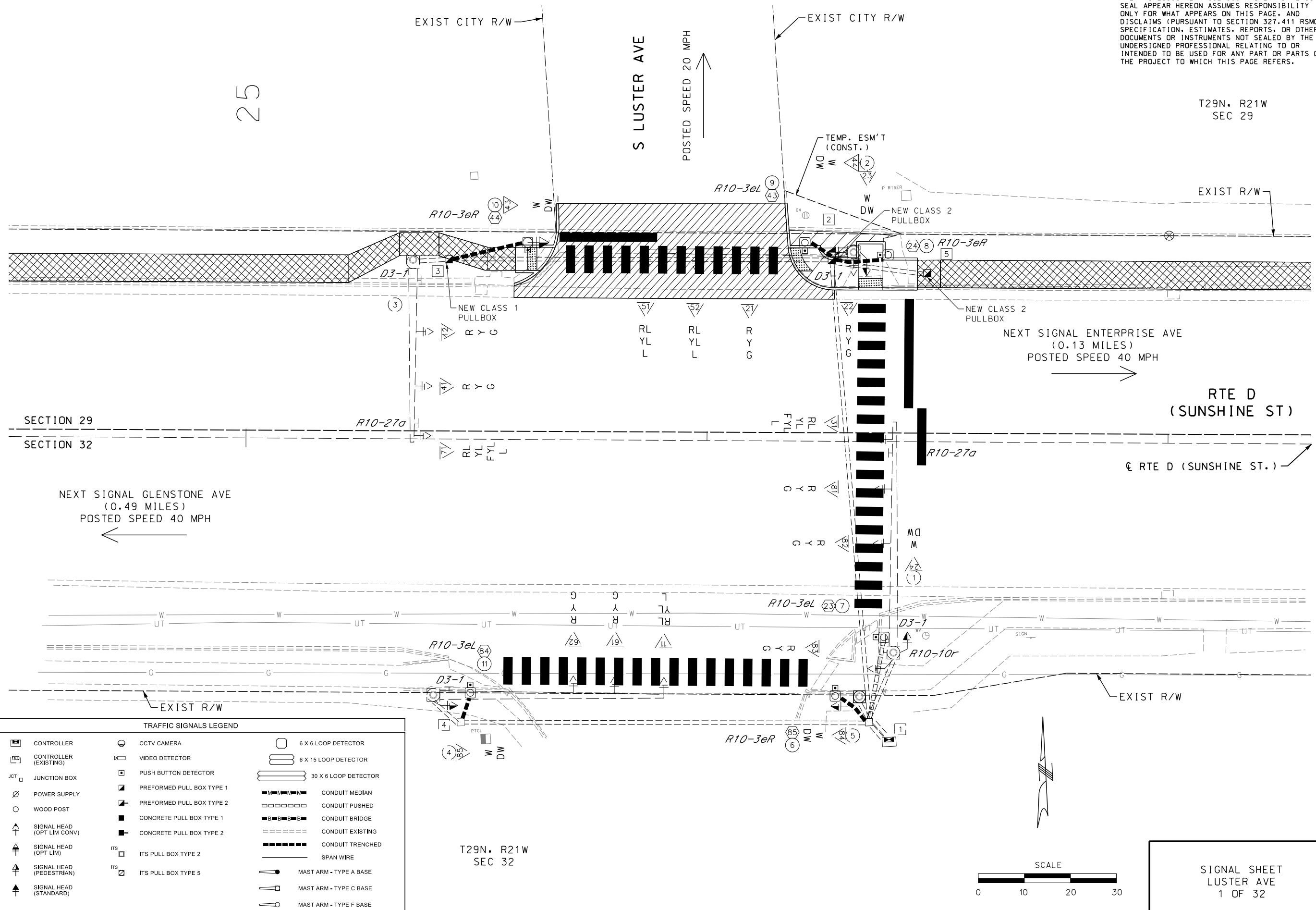
EFC♦Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

1

TEMPORARY EROSION CONTROL LEGEND



EROSION CONTROL SHEET
3 OF 3



T29N, R21W
SEC 29

Paul J. Kronlage
12/18/2025 7:02:18 AM
Paul J. Kronlage - Civil
MO PE - 023328

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 51

J8S3153
CONTRACT ID.

BRIDGE NO.

[illegible]

PERKINS
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

DETECTOR SCHEDULE					
TYPE					
DETECTOR NUMBER	APPROACH	STATION	OFFSET	APS PUSH BUTTON	POST NUMBER
43	WB @ NB DAK GROVE AVE	53+52.8	45.2' LT	1	4
84	WB @ NB DAK GROVE AVE	53+35.6	37.3' RT	1	5
83	EB @ SB DAK GROVE AVE	52+73.6	37.2' RT	1	6
63	NB @ EB RTE D	52+57.0	37.3' RT	1	7
62	SB @ WB RTE D	52+55.7	37.1' LT	1	9
44	EB @ SB DAK GROVE AVE	52+99.3	45.3' LT	1	10

SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	TOTAL AREA EACH SIGN	SIGNAL MOUNTING HARDWARE
				ITEM NO. 9020833	ITEM NO. 9020834
		INCHES	SQ.FT.	SQ.FT.	EA.
3	R10-3eL	9 X 15	0.94	2.82*	3*
3	R10-3eR	9 X 15	0.94	2.82*	3*
LEGEND			SUBTOTAL	0	0
T - TOP MOUNT			TOTAL	0	0

LEGEND		SUBTOTAL	0	0
T	- TOP MOUNT			
S	- SIDE MOUNT			
B	- MAST ARM MOUNT			
C	- SPANWIRE MOUNT			
		TOTAL	0	0

* DENOTES NO DIRECT PAY. FOR INFORMATIONAL PURPOSES ONLY.

[illegible]

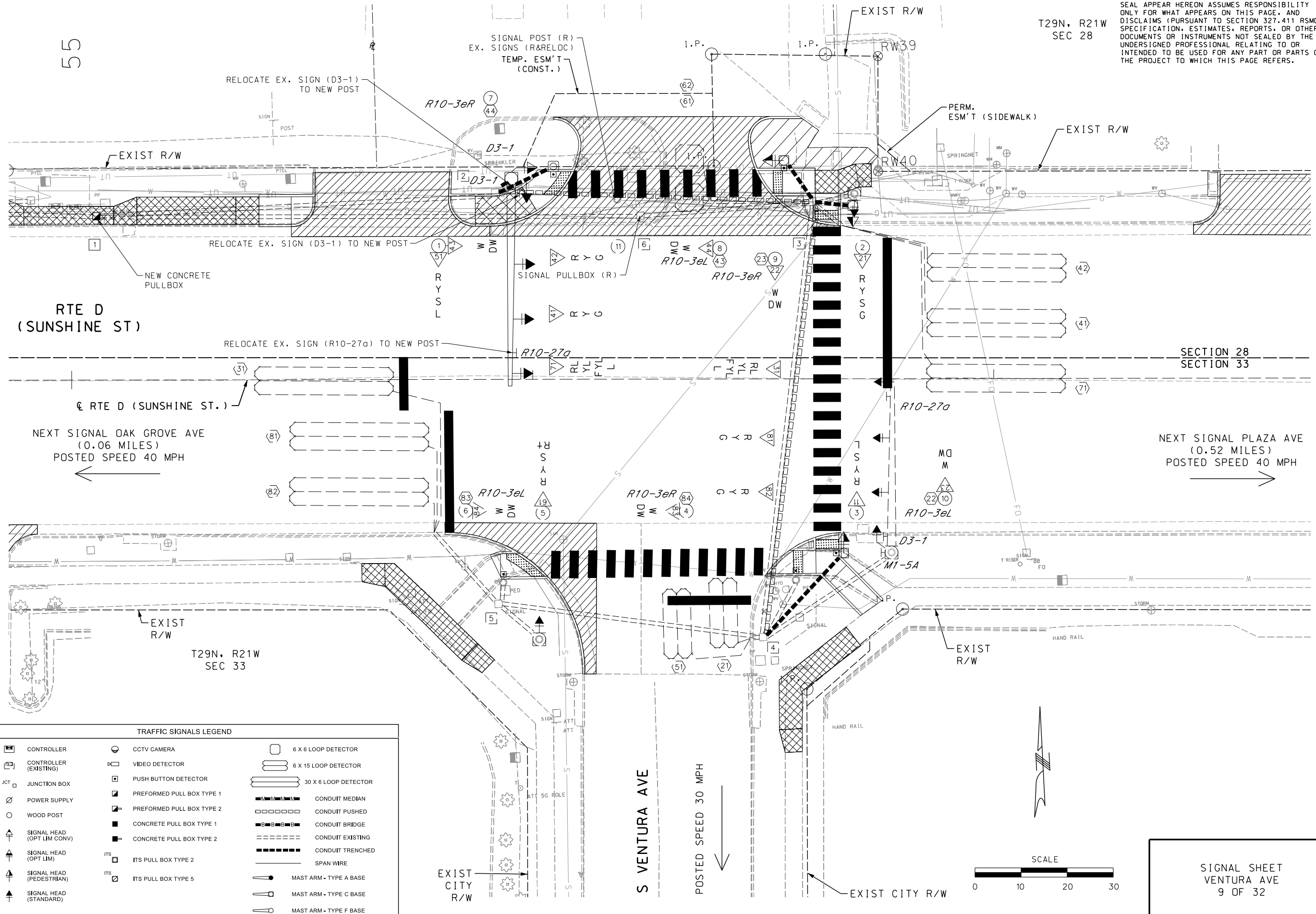
* QUANTITY PROVIDED FOR INFORMATION ONLY; INCLUDED WITH COST OF NEW POST.

REMARKS
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED. * ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE. (1) RETROREFLECTIVE BACKPLATES SHALL NOT BE SUBSTITUTED FOR RETROREFLECTIVE TAPE. ** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES. *** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE. SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL SUPPORTS FOR HIGHWAYS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS, AND REFERENCE THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMo.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

CONDUIT (WITH #14 TRACER WIRE)																	CABLE																		
FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH					PUSHED			MEDI AN			ON STRUCTURE			REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
				1"	2"	3"	4"	5"	2"	3"	4"	2"	3"	4"	2"	3"	4"					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL		POLE & BRACKET	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE		
																											2c #12		1c #10						
INTERSECTION OF RTE D & OAK GROVE AVE																	INTERSECTION OF RTE D & OAK GROVE AVE																		
PB2	P4	7			8														PB43	164			193												
PB4	P5	74						75											PH44	164				194											
PB4	P6	9			10														PB84	396			437												
PB4	P7	8			9														PH83	405				446											
PB3	P9	8			9														PB83	333			374												
PB5	P10	14			15														PH84	332				374											
PB4	P2	79						80											PB63	332			373												
																			PH62	332				374											
																			PB62	260			295												
																			PH63	260				296											
																			PH43	290				332											
																			PB44	290			331												
SUBTOTALS				51				155										SUBTOTALS				2003	2016												
TOTALS				51				155										TOTALS				2110	2120										INCLUDES 5% FOR SNAKING		

SIGNAL SHEET
OAK GROVE AVE
6 OF 32

[illegible]



DATE PREPARED
5/15/2026

DISTRICT	SHEET NO.
SW	59

COUNTY
GREENE

JOB NO.
J18S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

--	--	--	--	--	--	--	--

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

WIRING DIAGRAM

The diagram illustrates the electrical wiring for traffic signals at the intersection of Route D and Ventura Ave. Key components include:

- Route D Signal Heads:** Located along the top and right edges, showing existing and proposed signal head configurations with wire types like EX 1-1/4" COND., EX 2-1/4" COND., and EX 3-7c#12.
- Pullboxes:** Several pullboxes are shown, some new and some relocated from previous locations. They contain various wire bundles such as NEW 3-2c#16, NEW 3-5c#16, and EX 8-7c#12.
- Ventura Ave Signal Head:** A large signal head assembly at the bottom center, including a countdown ped head (UIP) and pushbutton/sign (R&R). It features multiple lanes with RL, YL, FYL, R, Y, G, and L indicators.
- Conduits and Cables:** Extensive use of conduits (COND.) and cables (#12, #14, #16) connecting different parts of the system. Some are labeled as "NEW" or "RELOCATED FROM PULLBOX 6".
- Signage and Pole Locations:** Notes indicate the installation of new remote posts, audible pushbuttons, signs, and 8-foot poles with countdown ped heads and extensions.
- Legend and Notes:** Includes a north arrow pointing towards the top left, a note about Oak Grove Ave signal plans, and a disclaimer "NOT TO SCALE".

VENTURA AVE

ROUTE D

NOT TO SCALE

1. LOOP DETECTORS TO BE REMOVED BY JOB J8S0745 AND REPLACED WITH RADAR DETECTION.
2. ALL EXISTING WIRES FROM THE VENTURA INTERSECTION SIGNALS SHALL BE PULLED OUT OF THE EXISTING CONDUIT FROM THE CONTROLLER TO PULLBOXES 3 OR 4 AS NEEDED, AND RERUN THROUGH THE NEW AND EXISTING CONDUITS BACK TO THE CONTROLLER. (NO DIRECT PAY).

 NEW PUSHED CONDUIT CONTAINING CABLE
 NEW TRENCHED CONDUIT CONTAINING CABLE
 CABLE

X-XC MULTI-CONDUCTOR CABLE

 PULL BOX WITH NUMBER

 EXISTING POST WITH NUMBER

 EXISTING POST WITH MAST ARM

 DETECTOR LOOP WITH NUMBER

 SIGNAL HEAD WITH NUMBER

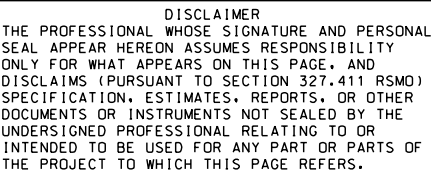
 EXISTING SIGNAL CONTROLLER

 EXISTING POWER SUPPLY

 EXISTING CONDUIT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



Paul J. Kronlage
12/18/2025 7:05:14 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	63

COUNTY
GREENE

JOB NO.
1853153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

02	70	NO
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K&L ENGINEERING
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12/15/20

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[illegible]

REMARKS
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
*** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.
SIGNAL STRUCTURES WHICH WILL EXCEED THE MAXIMUM LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL BRIDGES, 19TH EDITION, AND TRAFFIC SIGNALS, 19TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT ALL THE SUBMITTAL DRAWINGS, INCLUDING CONSTRUCTION SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMo.), AND SHALL INCLUDE A TITLE BLOCK OR SURVEY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

SUBTOTAL	12	2			
TOTAL	12	2			

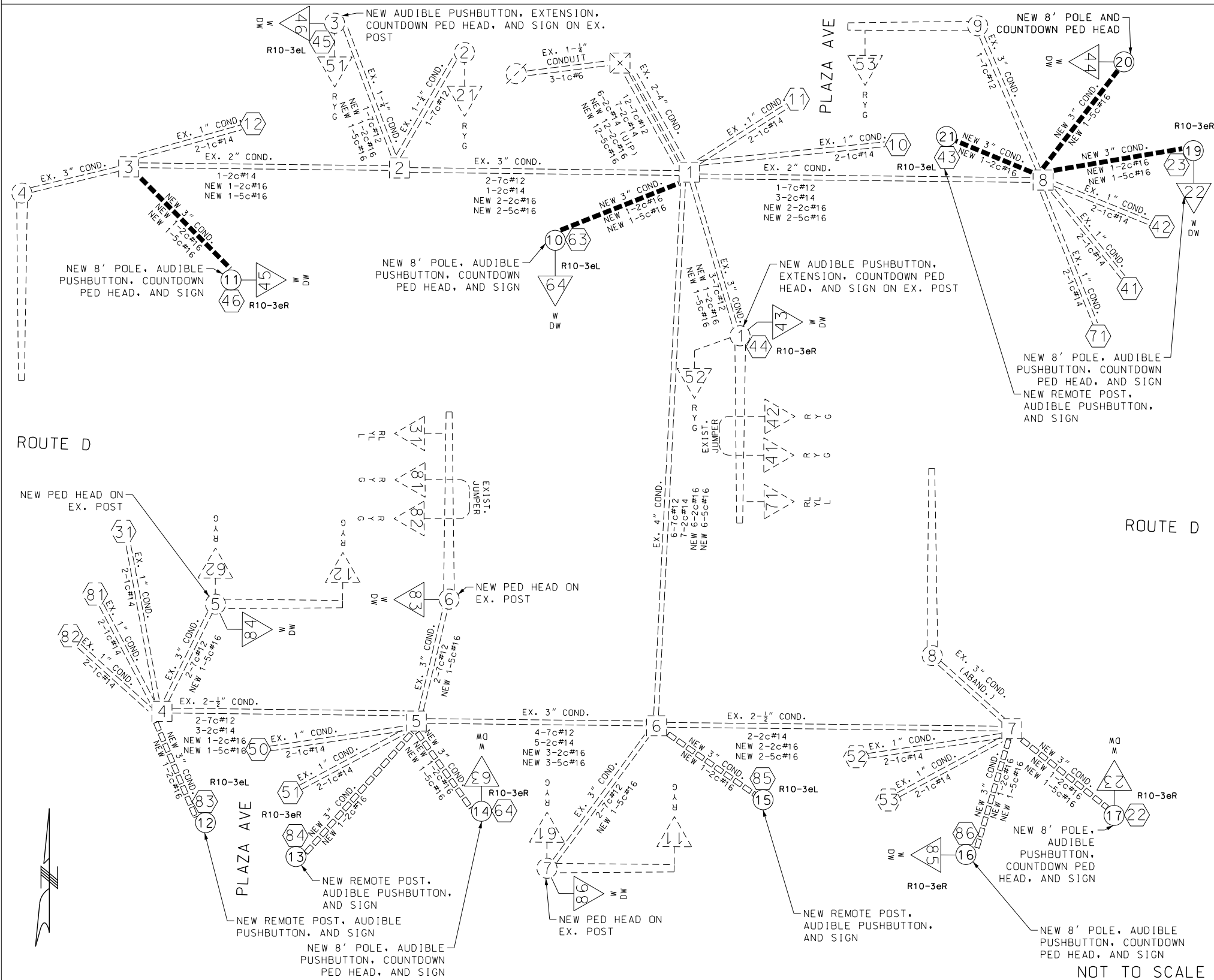
[illegible]

		INCHES	SQ.FT.	SQ.FT.	EA.
6	R10-3eL	9 X 15	0.94	5.64*	6*
6	R10-3eR	9 X 15	0.94	5.64*	6*
			SUBTOTAL	0	0
			TOTAL	0	0

* DENOTES NO DIRECT PAY. FOR INFORMATIONAL PURPOSES ONLY.

[illegible]

WIRING DIAGRAM



DISCLAIMER
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.



Paul J. Kronlage
12/18/2025 7:05:37 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO
DISTRICT SW SHEET NO. 65

COUNTY GREENE
JOB NO. J8S3153
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)

Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

LEGEND

- NEW PUSHED CONDUIT CONTAINING CABLE
■■■■■ NEW TRENCHED CONDUIT CONTAINING CABLE
— CABLE
X-Xc MULTI-CONDUCTOR CABLE
[X] PULL BOX WITH NUMBER
(X) EXISTING POST WITH NUMBER
(X) EXISTING POST WITH MAST ARM
(X) DETECTOR LOOP WITH NUMBER
[X] SIGNAL HEAD WITH NUMBER
[X] EXISTING SIGNAL CONTROLLER
(X) EXISTING POWER SUPPLY
===== EXISTING CONDUIT

NOTE:

1. LOOP DETECTORS TO BE REMOVED BY JOB J8S0745 AND REPLACED WITH RADAR DETECTION.

SIGNAL SHEET
PLAZA AVE
15 OF 32

D-37D



[illegible]

DETECTOR SCHEDULE									
TYPE									
DETECTOR NUMBER	APPROACH	STATION	OFFSET	APS PUSH BUTTON	PUSH BUTTON EXTENSION 14" MAX.	INDUCTION LOOP			POST NUMBER
						STANDARD	DELAY/ EXTEND	CALL UNIT	
41	EB @ SB OFF-RAMP	107+67.3	65.2' LT	1					3
40	WB @ SB OFF-RAMP	108+21.1	50.7' LT	1					4
43	EB @ SB OFF-RAMP	108+82.6	52.0' LT	1					5
42	WB @ SB OFF-RAMP	109+08.4	91.9' LT	1					6
84	WB @ SB ON-RAMP	109+36.4	90.7' RT	1					7
83	EB @ SB ON-RAMP	109+04.2	58.0' RT	1					8
			SUBTOTAL	6					
			TOTAL	6					

REMARKS	
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.	
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.	
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.	
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.	
SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY 1 FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MDDOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.	

SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	TOTAL AREA EACH SIGN ITEM NO. 9020833	SIGNAL MOUNTING HARDWARE ITEM NO. 9020834
		INCHES	SQ.FT.	SQ.FT.	EA.
		5	R10-3eL	9 X 15	0.94
1	R10-3eR	9 X 15	0.94	0.94*	1*
			SUBTOTAL	0	0
			TOTAL	0	0

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
B - MAST ARM MOUNT
C - SPANWIRE MOUNT

* DENOTES NO DIRECT PAY. FOR INFORMATIONAL PURPOSES ONLY.

[illegible][illegible]

SIGNAL SHEET
SOUTHBOUND US 65 RAMPS
18 OF 32



Paul J. Kronlage
12/18/2025 7:06:17 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED _____

12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET N
SW	68

COUNTY

GREEN

JOB NO.

J8S3153
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION



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

JEFFK•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



DATE PREPARED
12/15/2025

DISTRICT SW	SHEET NO. 70
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JOB NO.
J8S3153

PROJECT NO.

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DESCRIPTION

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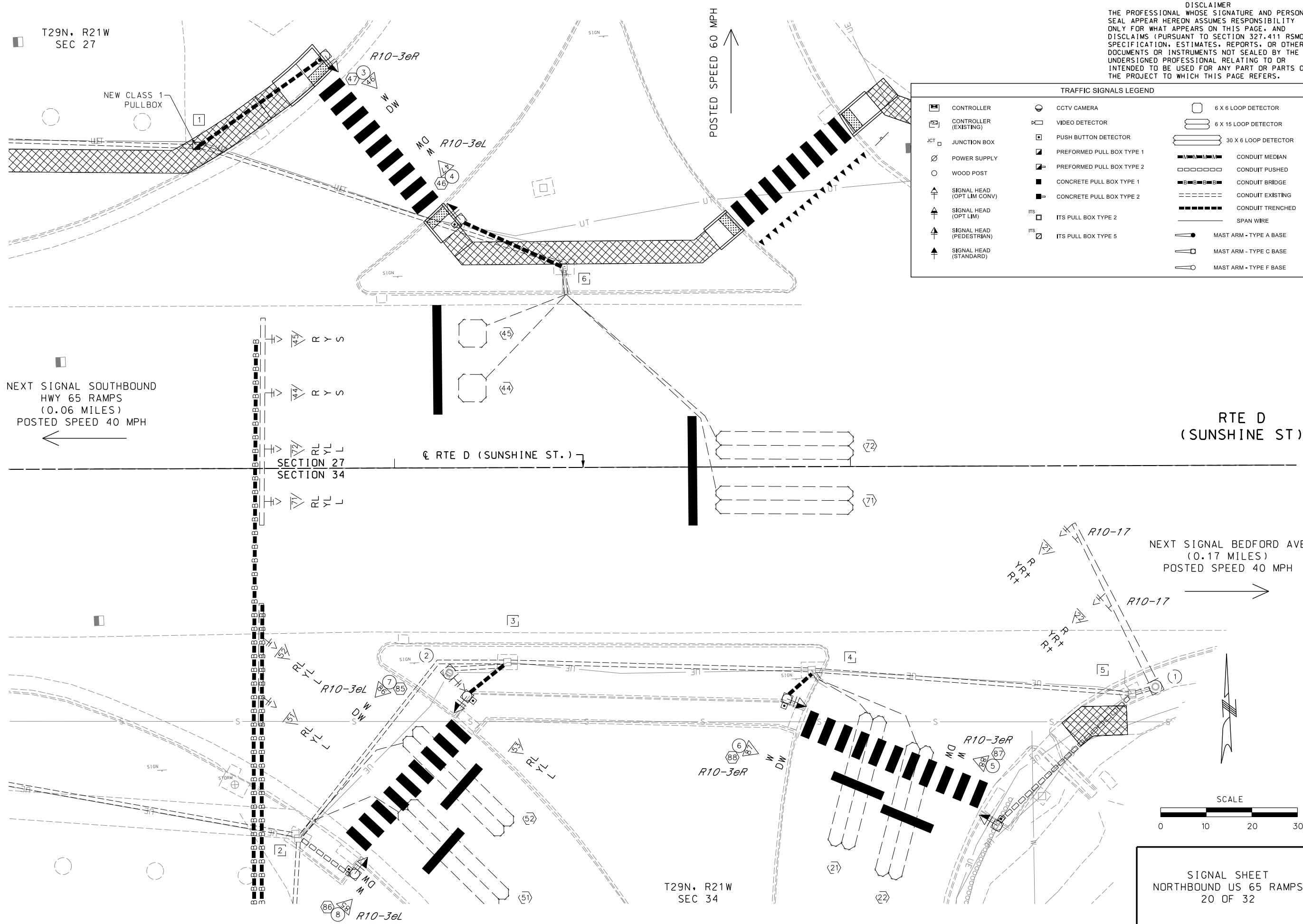
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Civil
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St. Lo

2:51 AM 12/15/20

Missouri Certificate of Authority: 001578	 CENTURION CITY MO 63102 1-888-ASK-MODOT (1-888-275-6636)
--	---

570



NEXT SIGNAL SOUTHBOUND
HWY 65 RAMPS
(0.06 MILES)
POSTED SPEED 40 MPH

SCALE



10 20 30

SIGNAL SHEET
NORTHBOUND US 65 RAMPS
20 OF 32

T29N, R21W
SEC 34

Z:\21051 MoDOT Route D J8S3153\DGN\Design\Final\Plotsheets\070 SG 20 J8S3153 i10 N Ramps.dgn 8:12:51 AM 12/15/2025

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DETECTOR SCHEDULE									
TYPE									
DETECTOR NUMBER	APPROACH	STATION	OFFSET	APS PUSH BUTTON	PUSH BUTTON EXTENSION 14" MAX.	INDUCTION LOOP			POST NUMBER
						STANDARD	DELAY/ EXTEND	CALL UNIT	
47	EB @ NB ON-RAMP	110+85.1	90.4' LT	1					3
46	WB @ NB ON-RAMP	111+14.6	54.4' LT	1					4
87	WB @ NB OFF-RAMP	112+31.9	78.8' RT	1					5
88	EB @ NB OFF-RAMP	111+85.9	50.9' RT	1					6
85	WB @ NB OFF-RAMP	111+15.5	50.1' RT	1					7
86	EB @ NB OFF-RAMP	110+91.0	89.0' RT	1					8
			SUBTOTAL	6					
			TOTAL	6					

REMARKS	
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.	
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.	
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.	
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.	
SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.	

SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	TOTAL AREA EACH SIGN	SIGNAL MOUNTING HARDWARE
				ITEM NO. 9020833	ITEM NO. 9020834
		INCHES	SO.FT.	SO.FT.	E.A.
3	R10-3eL	9 X 15	0.94	2.82*	3*
3	R10-3eR	9 X 15	0.94	2.82*	3*
			SUBTOTAL	0	0
			TOTAL	0	0

LEGEND

T - TOP MOUNT
 S - SIDE MOUNT
 B - MAST ARM MOUNT
 C - SPANWIRE MOUNT

* DENOTES NO DIRECT PAY. FOR INFORMATIONAL PURPOSES ONLY.

[illegible][illegible]

* QUANTITY PROVIDED FOR INFORMATION ONLY; INCLUDED WITH COST OF NEW POST.

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

Paul J. Kronlage
12/18/2025 7:06:56 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
SW	71

COUNTY
GREENE

JOB NO.
J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

EFK♦Moen
Civil Engineering Design

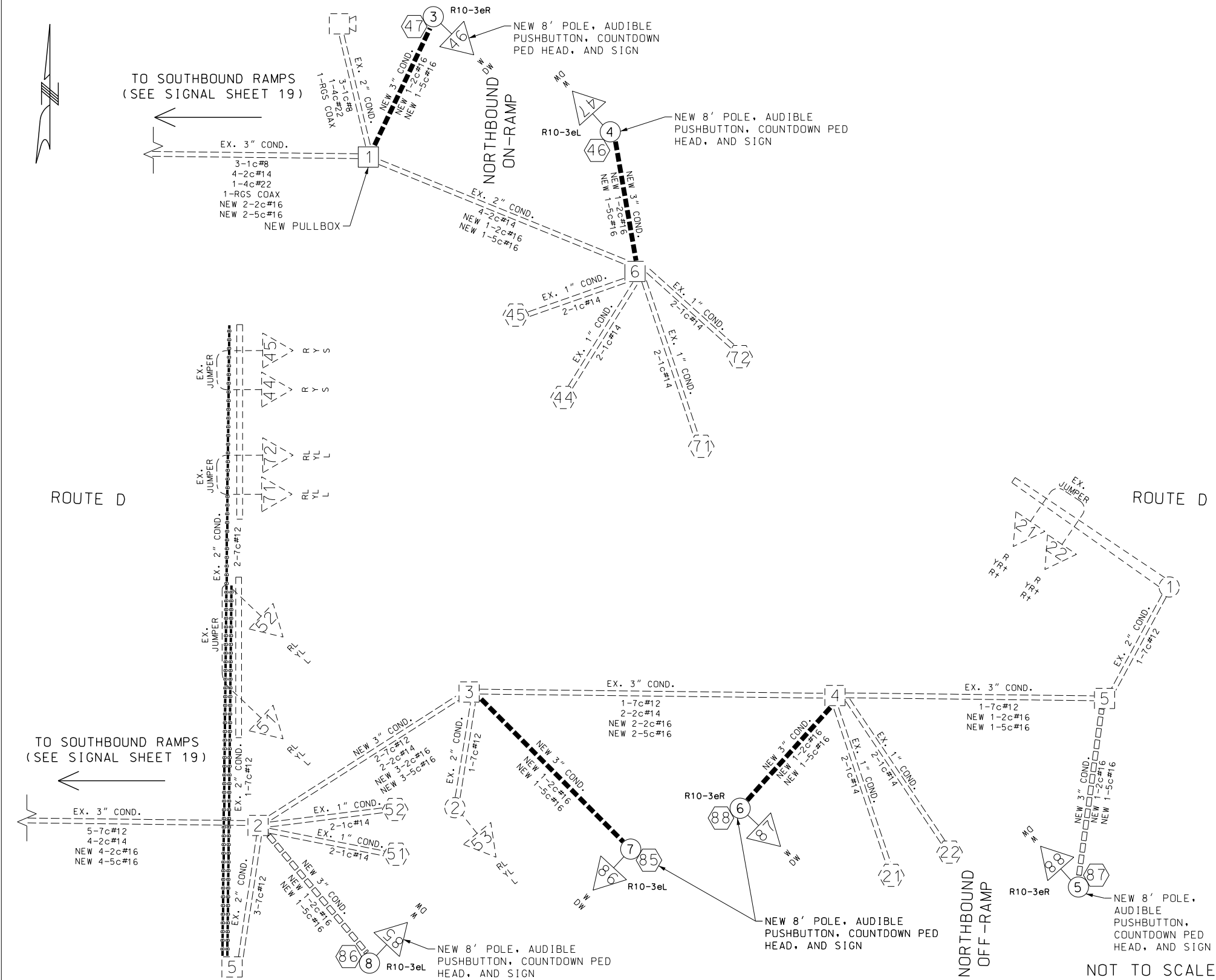
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021

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

Missouri Certificate of Authority: 001578

11

WIRING DIAGRAM



DISCLAIMER
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Paul J. Kronlage
12/18/2025 7:07:08 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D STATE MO

DISTRICT SW SHEET NO. 72

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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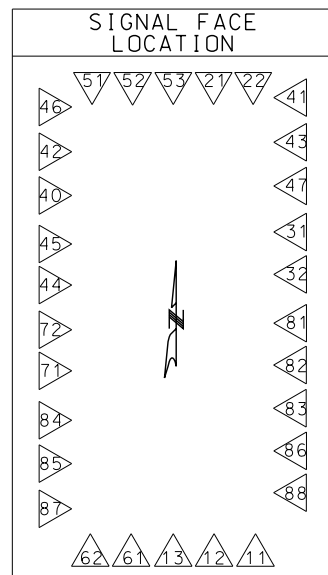
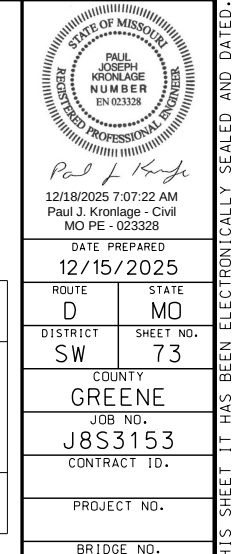
LEGEND

- NEW PUSHED CONDUIT CONTAINING CABLE
- NEW TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE
- PULL BOX WITH NUMBER
- EXISTING POST WITH NUMBER
- EXISTING POST WITH MAST ARM
- DETECTOR LOOP WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- EXISTING SIGNAL CONTROLLER
- EXISTING POWER SUPPLY
- EXISTING CONDUIT
- EXISTING CCTV

NOTES:
1. LOOP DETECTORS TO BE REMOVED AND REPLACED IN JOB J8S0745

SIGNAL SHEET
NORTHBOUND US 65 RAMPS
22 OF 32

D-37D

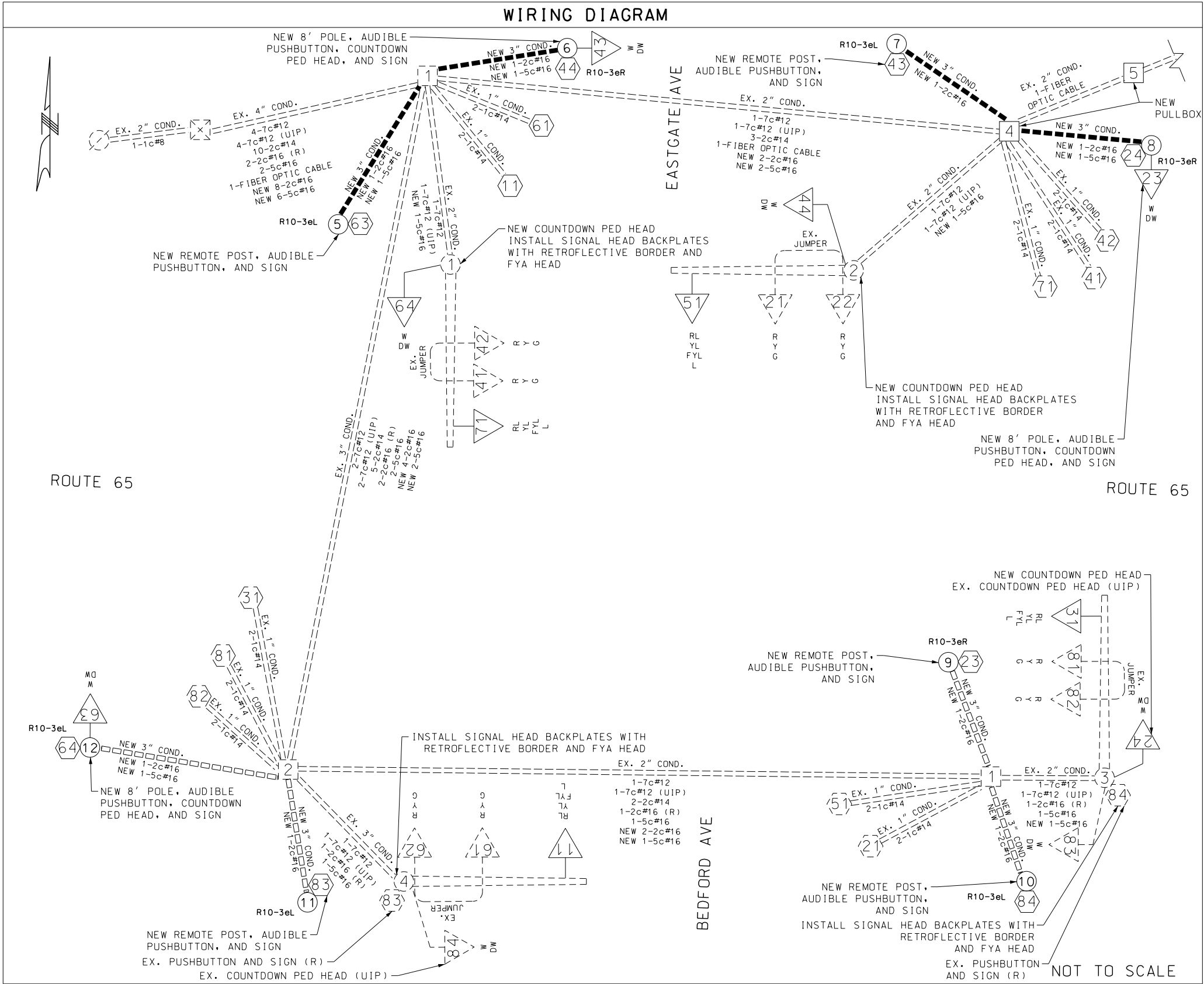


LEGEND

	— ACTUATED VEHICULAR MOVEMENT
	— PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
	— NON-ACTUATED VEHICULAR MOVEMENT
	— PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
	— ACTUATED PEDESTRIAN MOVEMENT
	— NON-ACTUATED PEDESTRIAN MOVEMENT
	— VEHICLE STOPPED
FDW	— FLASHING DON'T WALK
W	— WALK
DW	— DON'T WALK
R/W	— RIGHT OF WAY INTERVAL
YR†	— YELLOW RIGHT ARROW
RT.	— GREEN RIGHT ARROW
LY -YL	— YELLOW LEFT ARROW
L	— GREEN LEFT ARROW
S	— GREEN STRAIGHT AHEAD ARROW
G	— CIRCULAR GREEN
Y	— CIRCULAR YELLOW
R	— CIRCULAR RED
RL	— RED LEFT ARROW
Ø	— TRAFFIC PHASE
AO	— ALL OTHERS
FR	— FLASHING RED
FY	— FLASHING CIRCULAR YELLOW
FYL	— FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF US 65 & RTE D

SIGNAL SHEET
US 65 RAMPS
23 OF 32



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Paul J. Kronlage
12/18/2025 7:08:01 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO
DISTRICT SW SHEET NO. 76

COUNTY GREENE
JOB NO. J8S3153
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)

Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

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

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

13523 Barrett Parkway Dr
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LEGEND

- □ □ □ □ NEW PUSHED CONDUIT CONTAINING CABLE
- ■ ■ ■ ■ NEW TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE
- [X] PULL BOX WITH NUMBER
- (X) EXISTING POST WITH NUMBER
- (X) EXISTING POST WITH MAST ARM
- (X) DETECTOR LOOP WITH NUMBER
- [X] SIGNAL HEAD WITH NUMBER
- [X] EXISTING SIGNAL CONTROLLER
- (X) EXISTING POWER SUPPLY
- ===== EXISTING CONDUIT

NOTE:
1. LOOP DETECTORS TO BE REMOVED BY JOB J8S0745 AND REPLACED WITH RADAR DETECTION.

SIGNAL SHEET
EASTGATE AVE/
BEDFORD AVE
26 OF 32

D-37D

				TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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12/18/2025 7:08:23 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO

DISTRICT SW SHEET NO. 78

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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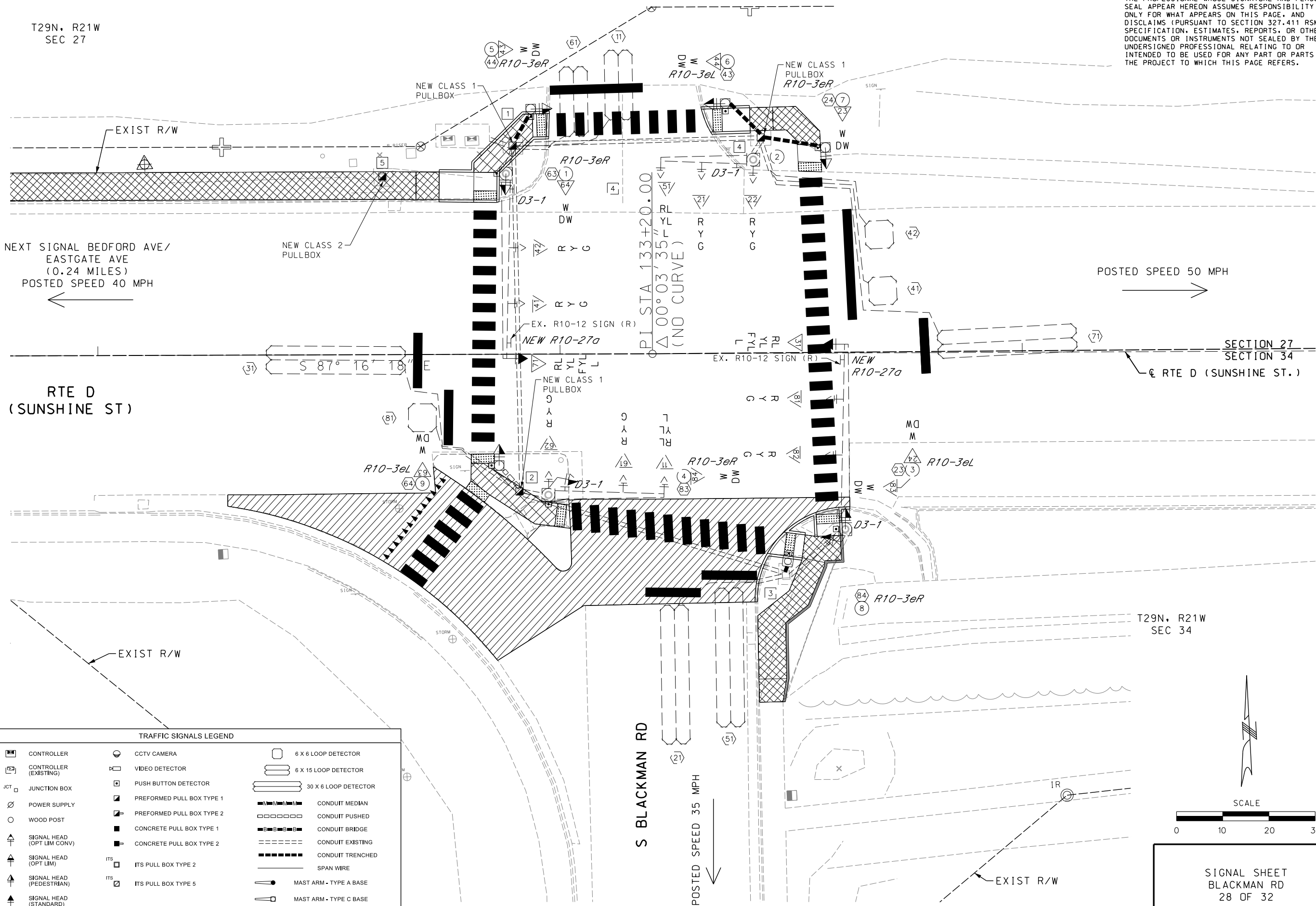
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TRAFFIC SIGNALS LEGEND					
	CONTROLLER		CCTV CAMERA		6 X 6 LOOP DETECTOR
	CONTROLLER (EXISTING)		VIDEO DETECTOR		6 X 15 LOOP DETECTOR
JCT 	JUNCTION BOX		PUSH BUTTON DETECTOR		30 X 6 LOOP DETECTOR
	POWER SUPPLY		PREFORMED PULL BOX TYPE 1		CONDUIT MEDIAN
	WOOD POST		PREFORMED PULL BOX TYPE 2		CONDUIT PUSHED
	SIGNAL HEAD (OPT LIM CONV)		CONCRETE PULL BOX TYPE 1		CONDUIT BRIDGE
	SIGNAL HEAD (OPT LIM)		CONCRETE PULL BOX TYPE 2		CONDUIT EXISTING
	SIGNAL HEAD (PEDESTRIAN)		ITS PULL BOX TYPE 2		CONDUIT TRENCHED
	SIGNAL HEAD (STANDARD)		ITS PULL BOX TYPE 5		SPAN WIRE
					MAST ARM - TYPE A BASE
					MAST ARM - TYPE C BASE
					MAST ARM - TYPE F BASE

[illegible]

DETECTOR SCHEDULE					
TYPE					
DETECTOR NUMBER	APPROACH	STATION	OFFSET	APS PUSH BUTTON	POST NUMBER
63	SB @ WB RTE D	132+88.4	39.1' LT	1	1
44	EB @ SB BLACKMAN RD	132+93.8	53.0' LT	1	5
43	WB @ NB BLACKMAN RD	133+36.0	54.1' LT	1	6
24	SB @ WB RTE D	133+57.6	44.5' LT	1	7
23	NB @ EB RTE D	133+61.6	38.1' RT	1	3
84	WB @ NB BLACKMAN RD	133+49.1	45.0' RT	1	8
83	EB @ SB BLACKMAN RD	132+97.4	30.4' RT	1	4
64	NB @ EB RTE D	132+86.7	24.1' RT	1	9
SUBTOTAL				8	
TOTAL				8	

RETROREFLECTIVE BACKPLATES SUMMARY		
SHEET	INTERSECTION	3 IN.
75	EASTGATE AVE/BEDFORD AVE	4
79	BLACKMAN RD	4
	SUBTOTAL	8
	TOTAL	8 EA.

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

- * ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- (**) RETROREFLECTIVE BACKPLATES SHALL NOT BE SUBSTITUTED FOR RETROREFLECTIVE TAPE.
- *** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

**** USE 03-16 FOR ONE LINE. USE 03-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY 1 FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO REGISTERED PROFESSIONAL ENGINEERS IN THE STATE OF MISSOURI. THE SET SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	TOTAL AREA EACH SIGN	SIGNAL MOUNTING HARDWARE
				ITEM NO. 9020833	ITEM NO. 9020834
		INCHES	SQ.FT.	SQ.FT.	EA.
5	R10-3eR	9 X 15	0.94	3.76*	5*
3	R10-3eL	9 X 15	0.94	3.76*	3*
2	R10-27g	30 X 36	7.50	15.00	2
			SUBTOTAL	15.00	2
			TOTAL	15.00	2

LEGEND

T - TOP MOUNT

S - SIDE MOUNT

B - MAST ARM MOUNT

C - SPANWIRE MOUNT

* DENOTES NO DIRECT PAY. FOR INFORMATIONAL PURPOSES ONLY.

CONDUIT (WITH #14 TRACER WIRE)																			CABLE																					
FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH					PUSHED				MEDIAN				ON STRUCTURE				REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL						CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
				1"	2"	3"	4"	5"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2c #16	5c #16	7c #16					3c #16	3 PAIR #16	CONTROL	POLE & BRACKET	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE- MODE	MULTI- MODE								
																											2c #12	1c #10												
INTERSECTION OF RTE D & BLACKMAN RD																			INTERSECTION OF RTE D & BLACKMAN RD																					
PB1	P5	9				10														PB63	15				38															
PB4	P6	11				12														PH64	15				39															
PB4	P7	14				15														PB44	18				41															
PB8	P11	3				4														PH43	18				42															
PB9	P5	7							8											PB43	74				93															
																				PH44	74				94															
																				PB24	78				97															
																				PH23	78				98															
																				PB23	161				181															
																				PH24	161				182															
																				PB84	148				168															
																				PB64	91				110															
																				PH63	91				111															
SUBTOTALS						41				8									SUBTOTALS							728	566													
TOTALS						41				8									TOTALS							770	600								INCLUDES 5% FOR SNAKING					

[illegible]

* QUANTITY PROVIDED FOR INFORMATION ONLY; INCLUDED WITH COST OF NEW POST.

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

Paul J. Kronlage
05/16/2026 3:14:55 PM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/5/2026

ROUTE D	STATE MO
DISTRICT SW	SHEET NO. 79

COUNTY
GREENE
JOB NO.
J8S3153
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

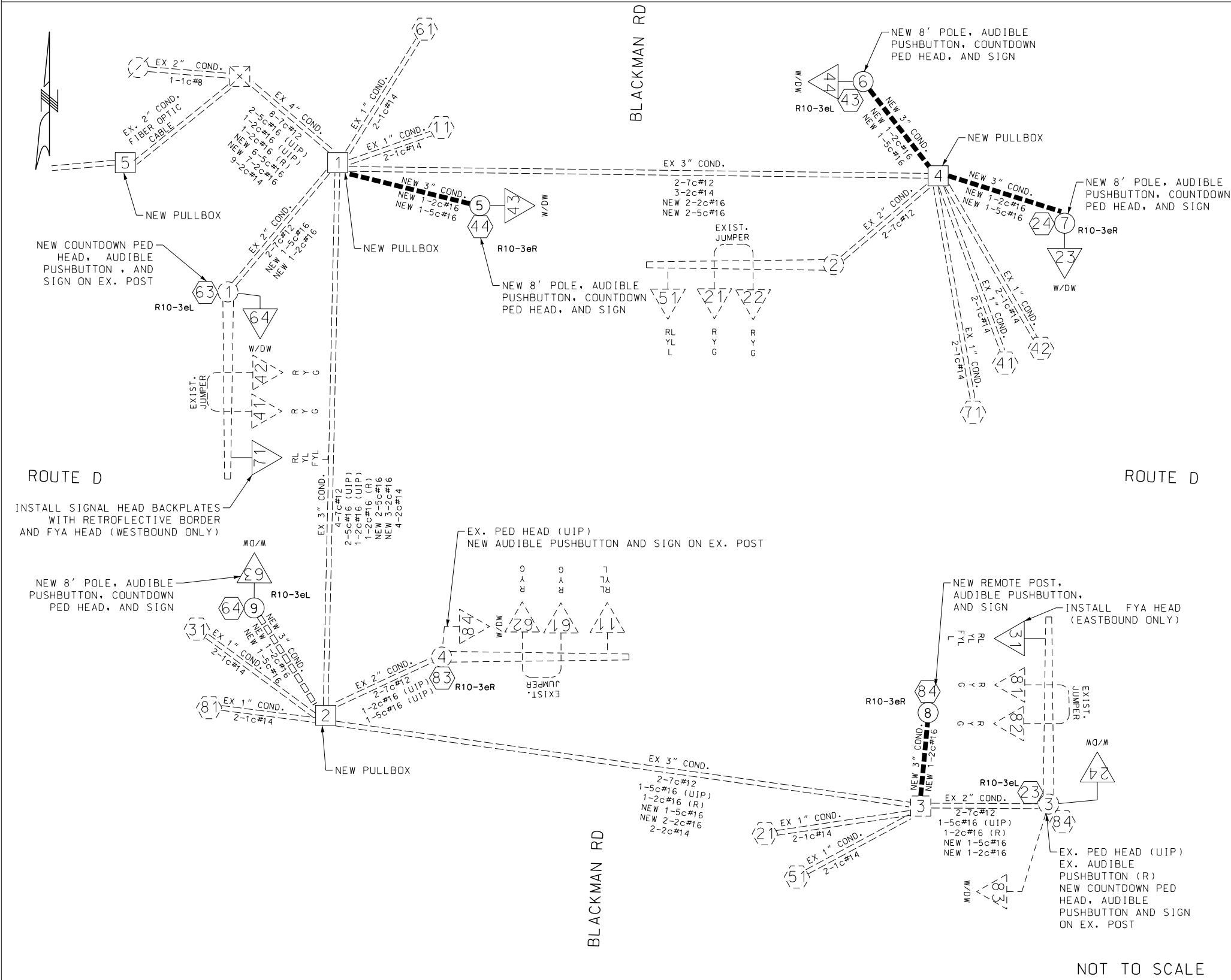
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

WIRING DIAGRAM



NOTE:

1. LOOP DETECTORS TO BE REMOVED BY JOB J8S0745 AND REPLACED WITH RADAR DETECTION.

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Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
12/15/2025

ROUTE D MO
DISTRICT SW SHEET NO. 80

COUNTY GREENE

JOB NO. J8S3153

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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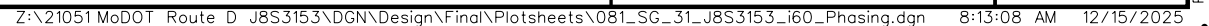
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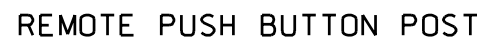
LEGEND

- NEW PUSHED CONDUIT CONTAINING CABLE
- NEW TRENCHED CONDUIT CONTAINING CABLE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE
- PULL BOX WITH NUMBER
- EXISTING POST WITH NUMBER
- EXISTING POST WITH MAST ARM
- DETECTOR LOOP WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- EXISTING SIGNAL CONTROLLER
- EXISTING POWER SUPPLY
- EXISTING CONDUIT

SIGNAL SHEET
BLACKMAN RD
30 OF 32

D-37D





- THE REMOTE PUSH BUTTON POST FOUNDATION IS CONSTRUCTED AS PART OF THE SIDEWALK. INCREASE THE SIDEWALK THICKNESS TO 12" (MIN.) TO PROVIDE FOR THE REMOTE PUSH BUTTON POST FOUNDATION.
- INSTALLATION OF THE REMOTE PUSH BUTTON POST SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- CABLES SHALL HAVE A SLIP-FIT CONNECTION IN THE PEDESTAL THAT WILL DETACH IN THE EVENT THE POLE IS STRUCK.

SIGNAL SHEET
REMOTE PUSH BUTTON POST
32 OF 32