

DESIGN DESIGNATION

A.A.D.T. - 2023 = 20,034
A.A.D.T. - 2043 = 28,048
D.H.V. = 7.2%
T = 3.6%
V = 40 & 45 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A CONTROLLED ACCESS HIGHWAY, EXCEPT AT LOCATIONS AND AS OTHERWISE SPECIFICALLY SHOWN ON THESE PLANS, NO ABUTTER'S RIGHTS IN OR OF DIRECT ACCESS TO, FROM, OR ACROSS THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PROPERTY ABUTTING ON SAID SECTION OF HIGHWAY, OR TO ANY PERSON MERELY BECAUSE OF OWNERSHIP OF SUCH ABUTTING PROPERTY. THERE SHALL BE THE USUAL RIGHT OF ACCESS OVER ANY LOCATION SHOWN ON THESE PLANS EITHER AS (1) AN ENTRANCE OR (2) A PRIVATE UNDERPASS. WHEREVER AN ADJACENT OUTER ROADWAY OR SERVICE ROAD IS SHOWN, THERE SHALL BE THE USUAL RIGHT OF DIRECT ACCESS BETWEEN THE ABUTTING PROPERTY AND SUCH OUTER ROADWAY OR SERVICE ROAD (EXCEPT WHERE ACCESS IS SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING NO RIGHT OF ACCESS) AND ALONG IT TO AND FROM THE NEAREST LANE OF THE THROUGHWAY OF A PUBLIC HIGHWAY. OUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS.

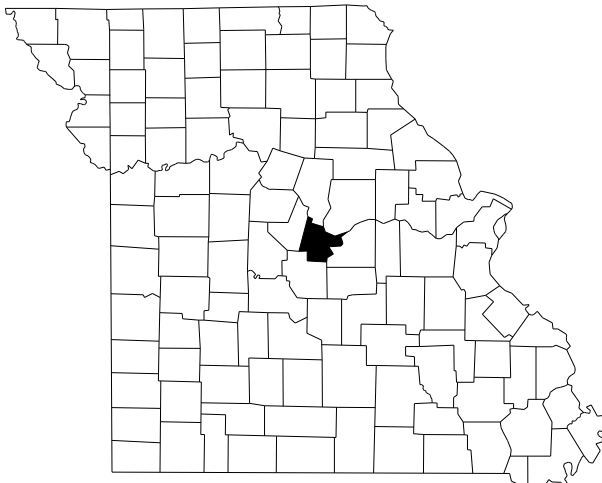
- BEGINNING AND ENDING OF CONTROLLED ACCESS
- CONTROLLED ACCESS
- NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES
- EXISTING CONTROLLED ACCESS

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 | | |

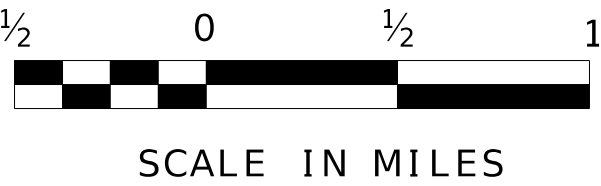
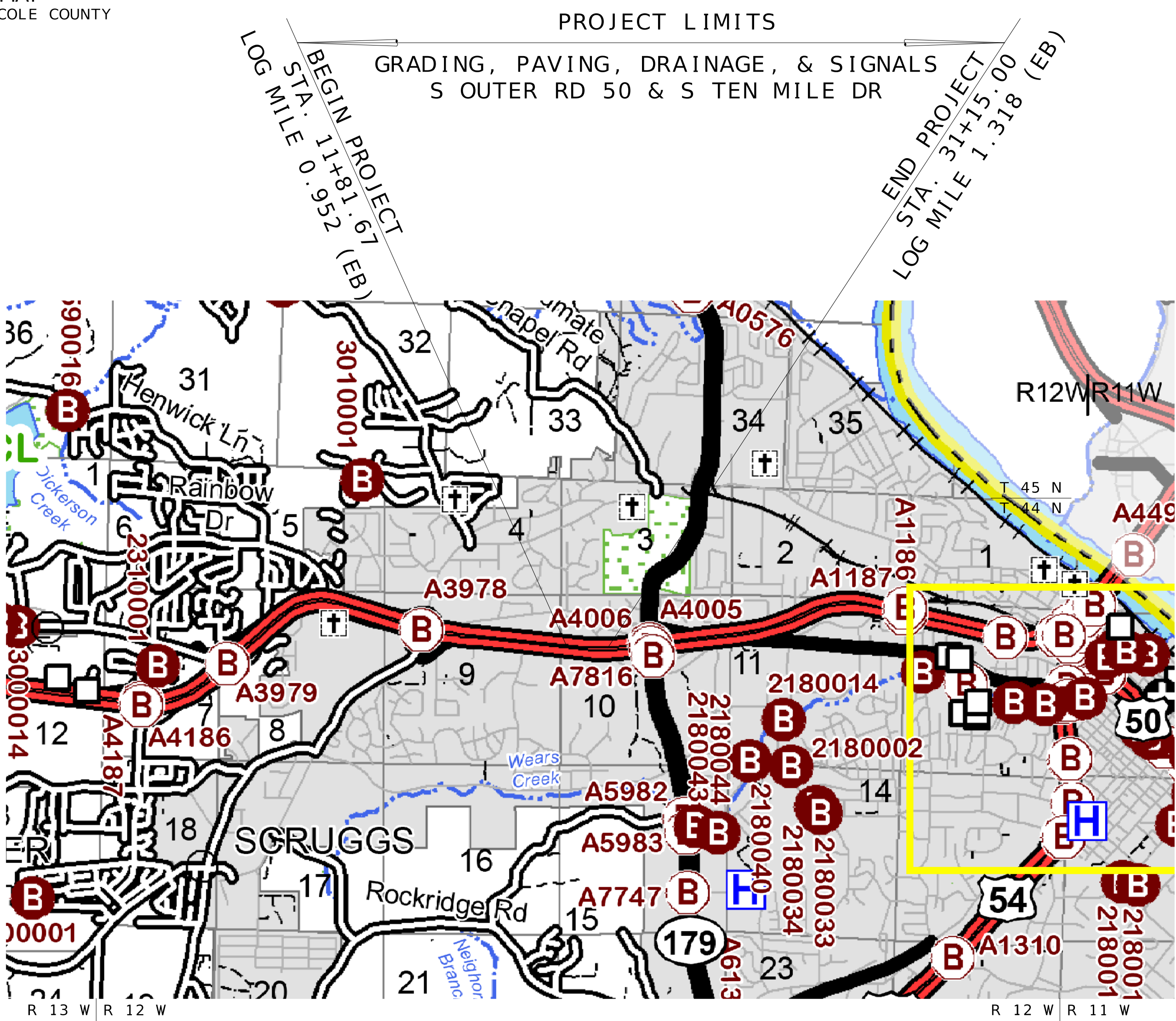
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
S OUTER RD 50



KEY MAP
LOCATION OF COLE COUNTY

COLE COUNTY
SECTION 10 T44N, R12W



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.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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ITS (ITS)-----	59
SIGNING (SN) & LIGHTING (LT)-----	60-68
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LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 11+81.67
END OF PROJECT	STA. 31+15.00
APPARENT LENGTH	1933.33 FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	1933.33 FEET
STATE LENGTH	0.366 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	1.7 ACRES



DATE PREPARED	9/25/2025
ROUTE	OR 50
STATE	MO
DISTRICT	CD
SHEET NO.	1
COUNTY	COLE
JOB NO.	J5S3418
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

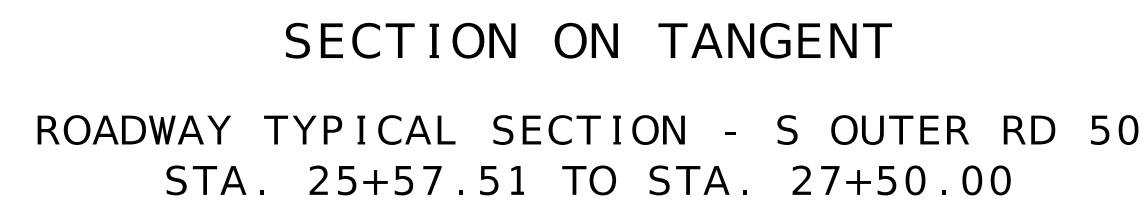
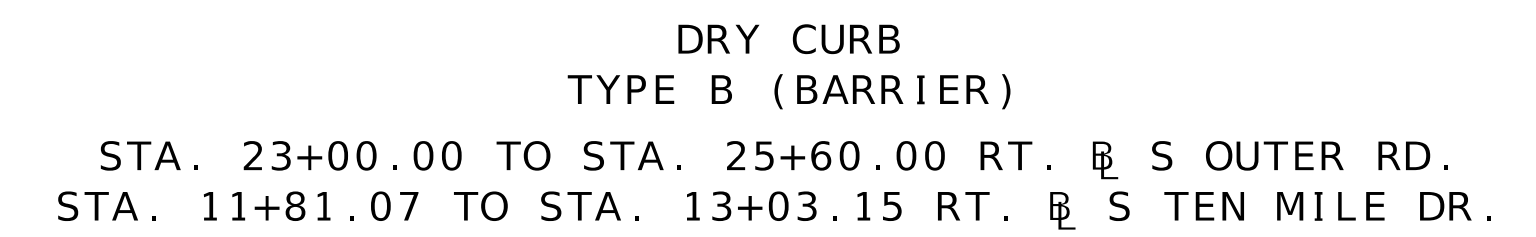
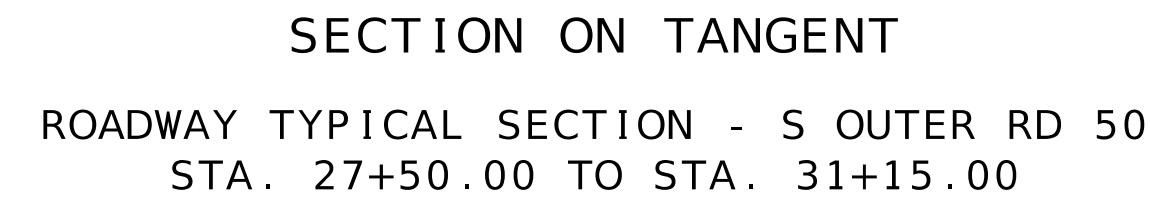
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

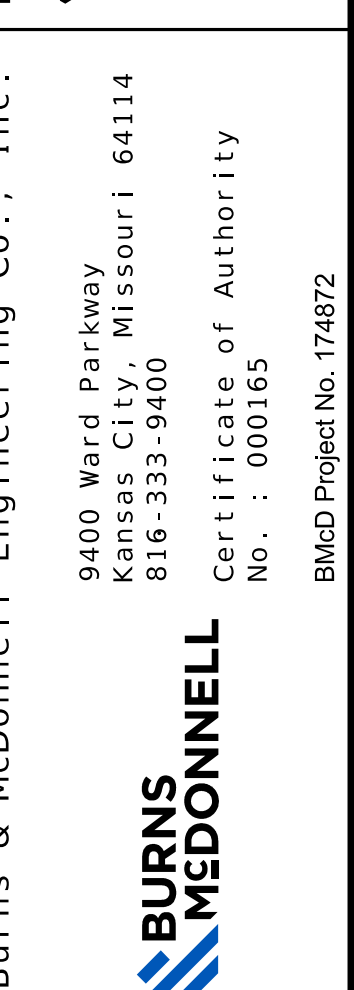
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

BURNS
MCDONNELL

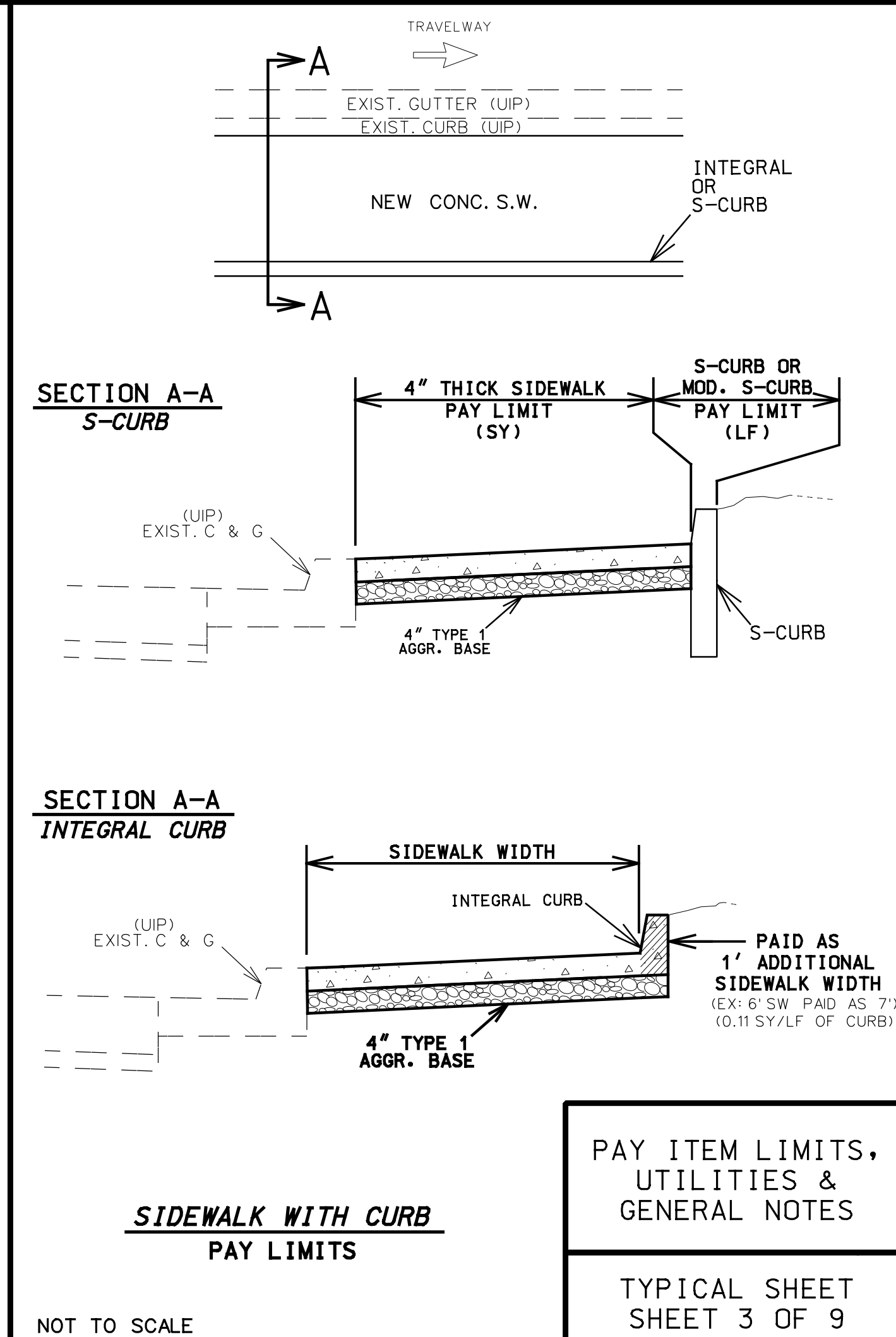
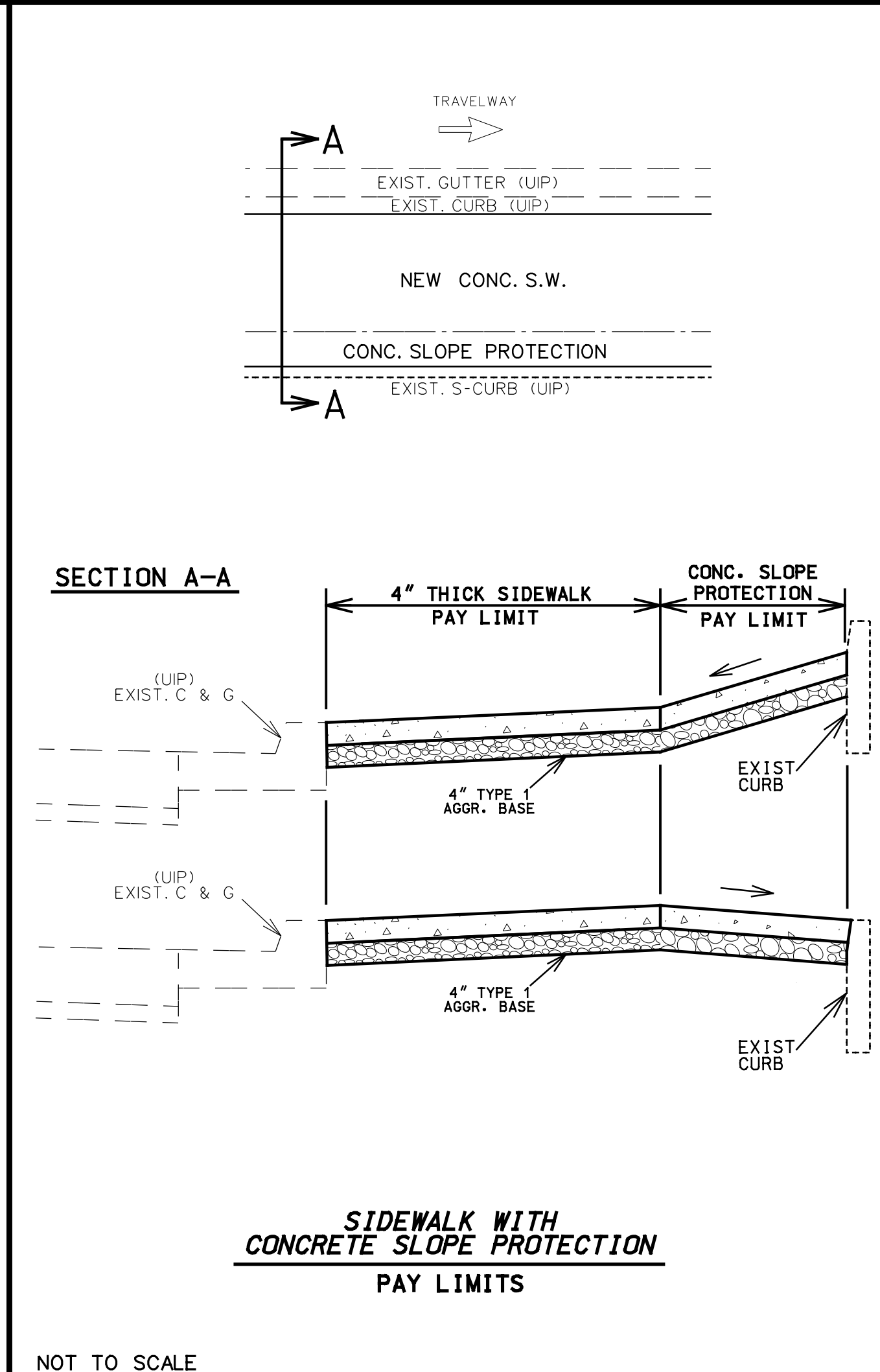
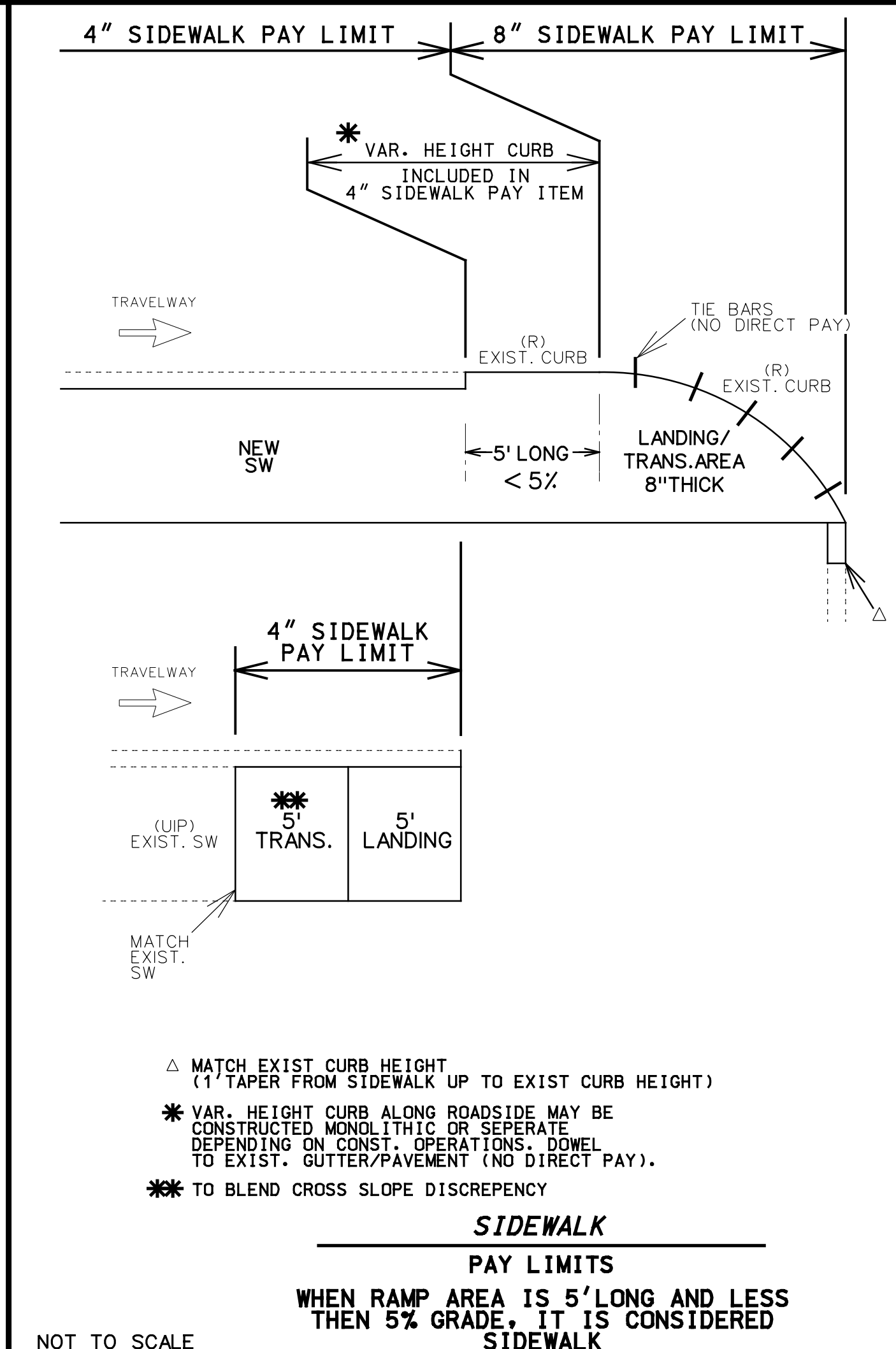
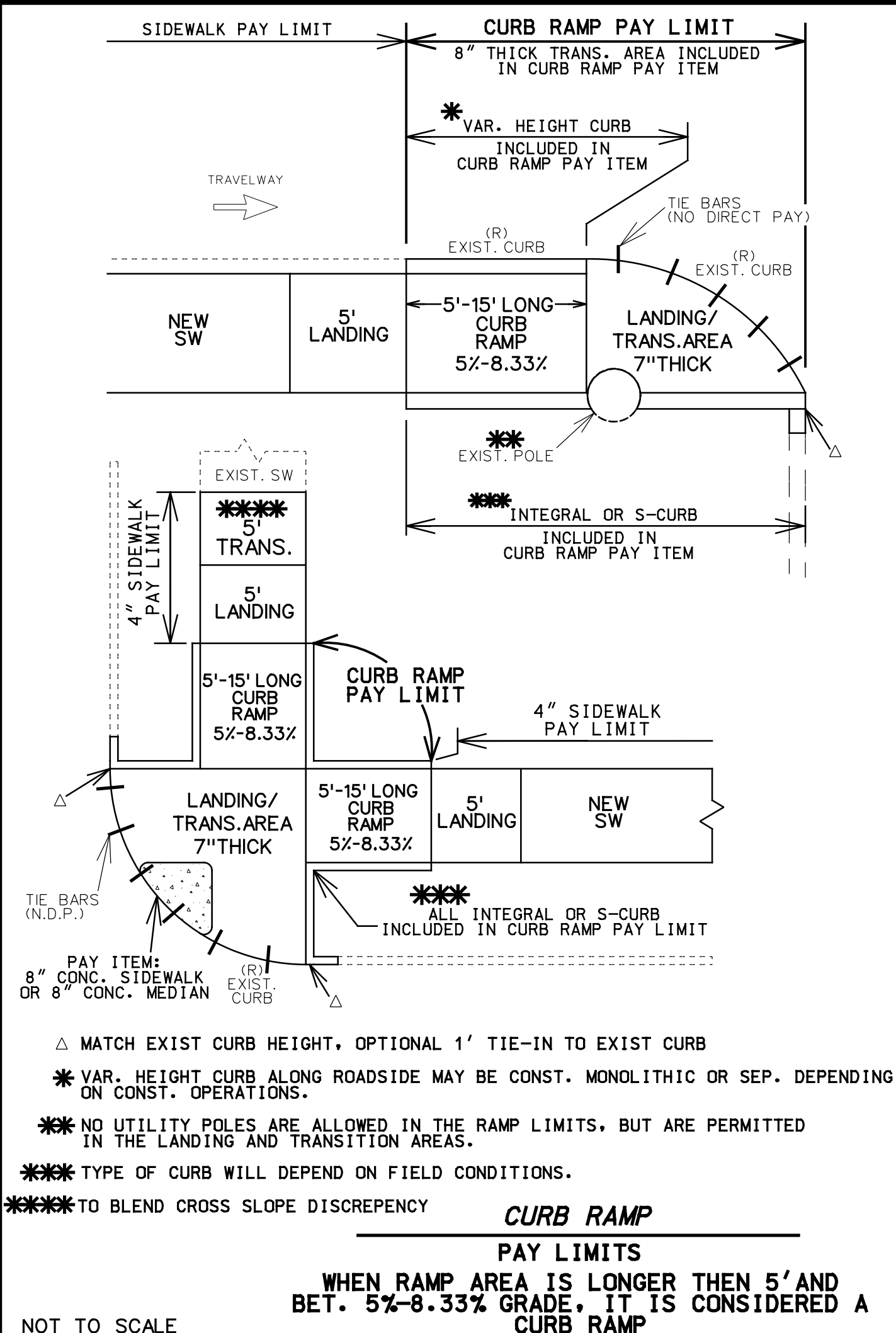
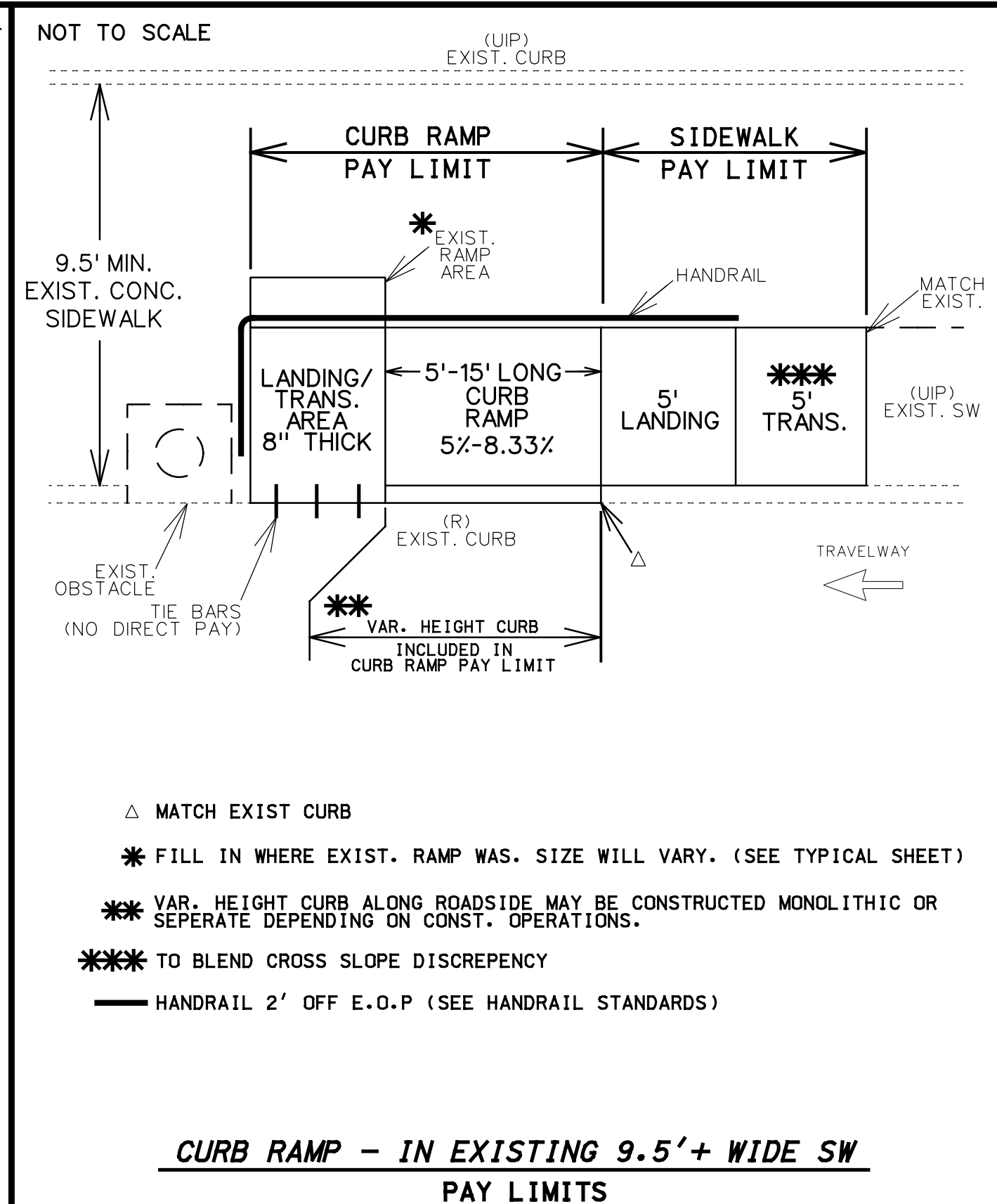
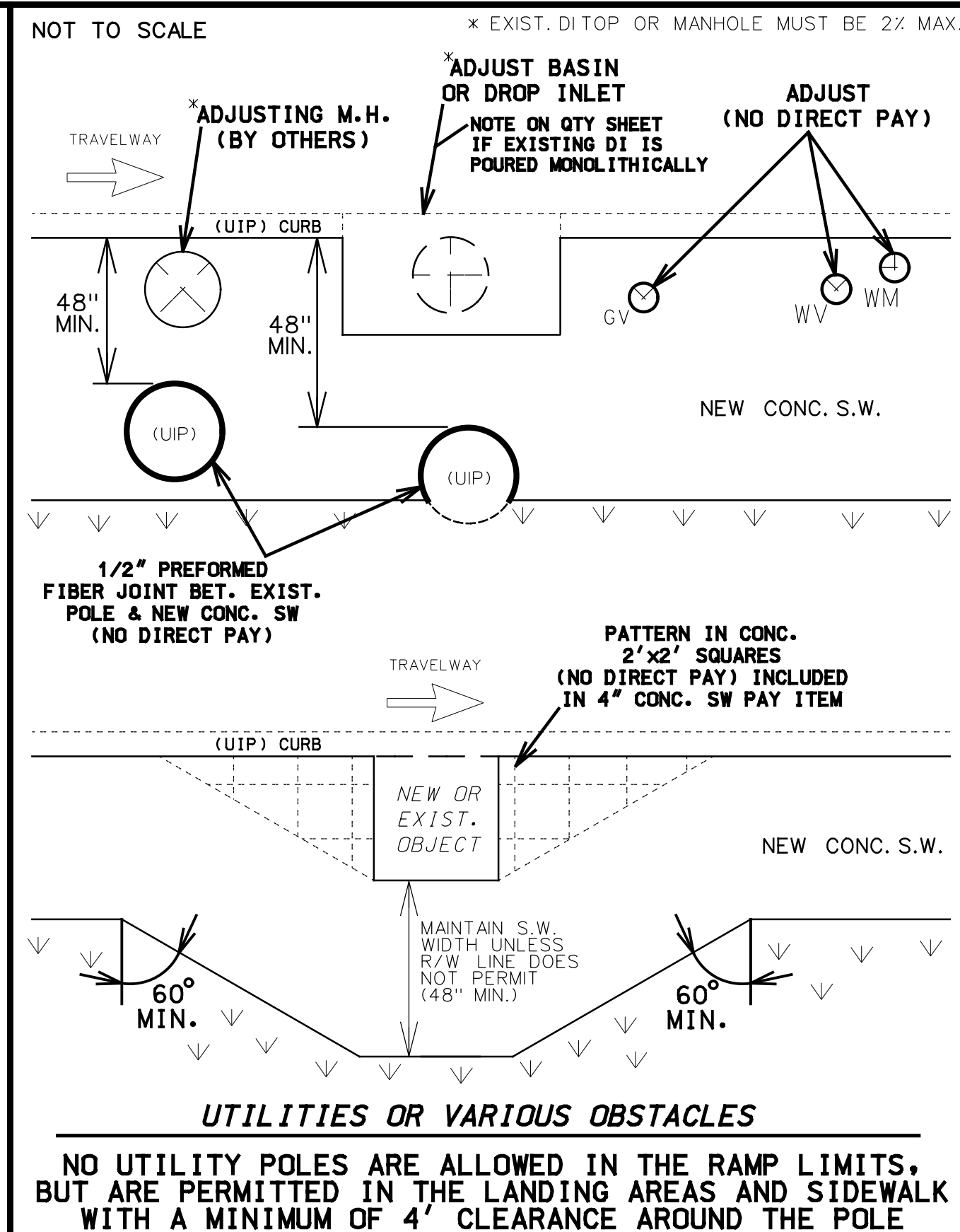


TYPICAL SECTIONS
SHEET 1 OF 2



1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF 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 = MATCH NEW 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.



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PERPENDICULAR - TYPE 1												
TYPE 1-A												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0		
CURB RAMP	SY	-	8.2	9.6	-	10.8	12.7	-	13.5	15.8		
CONC. SIDEWALK	SY	-	5.6	6.4	-	5.6	6.4	-	4.9	6.4		
TYPE 1 AGGREGATE	SY	-	13.8	16.0	-	16.4	19.1	-	18.3	22.2		
ADA LINEAR GRADING	LF	-	22.0	22.0	-	27.5	27.5	-	30.0	30.5		
SODDING	SY	-	5.8	5.7	-	6.8	6.9	-	7.5	7.9		

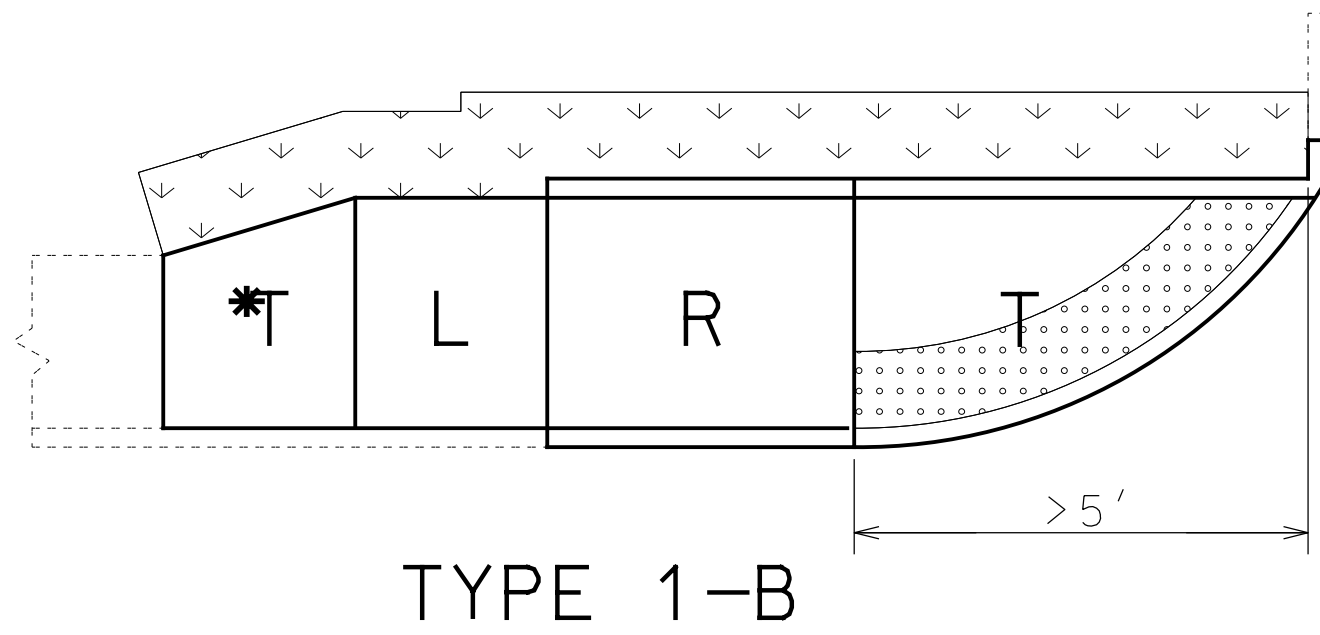
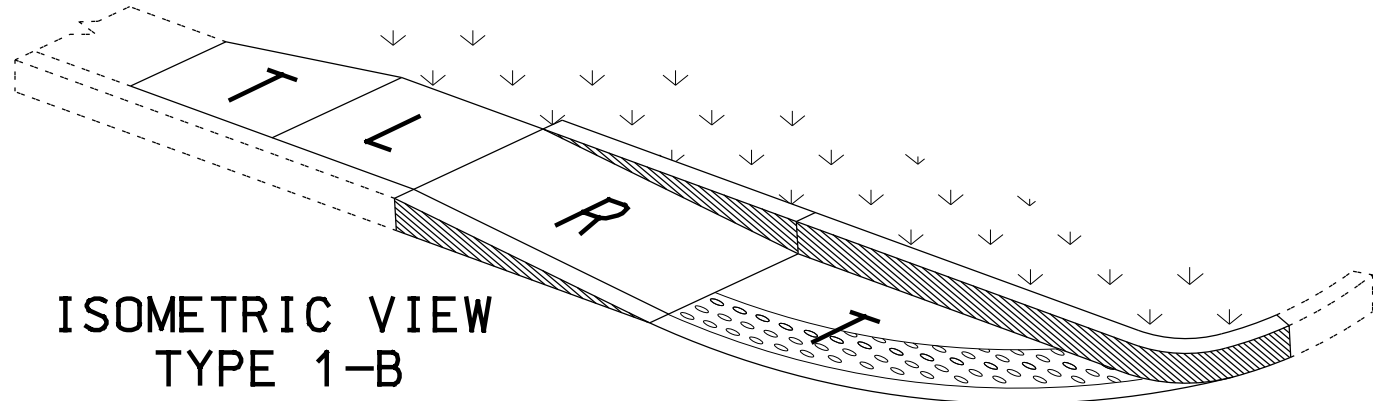
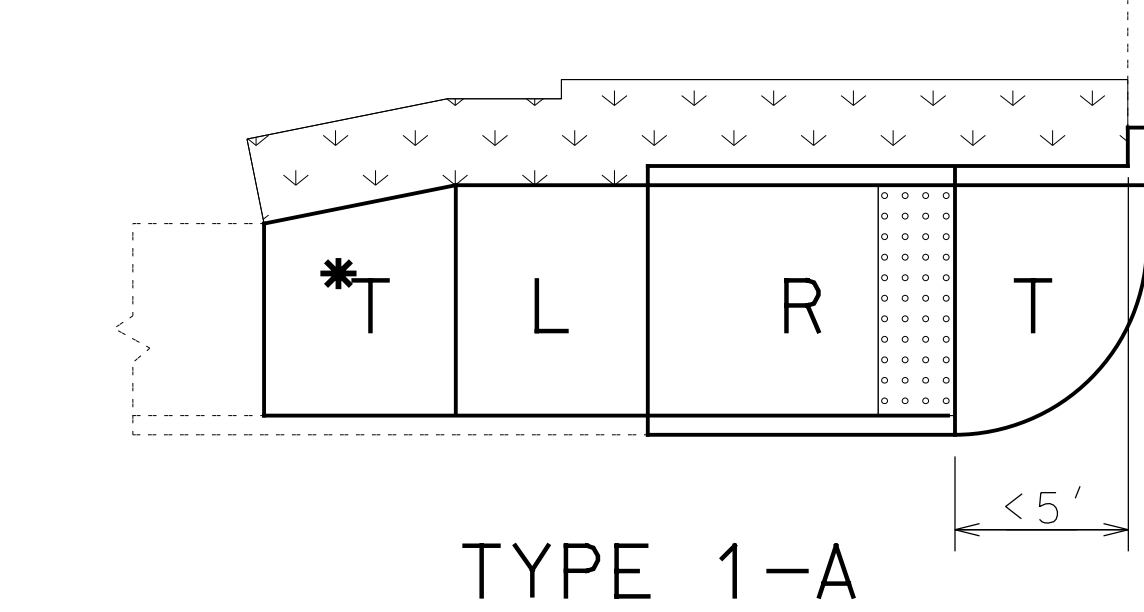
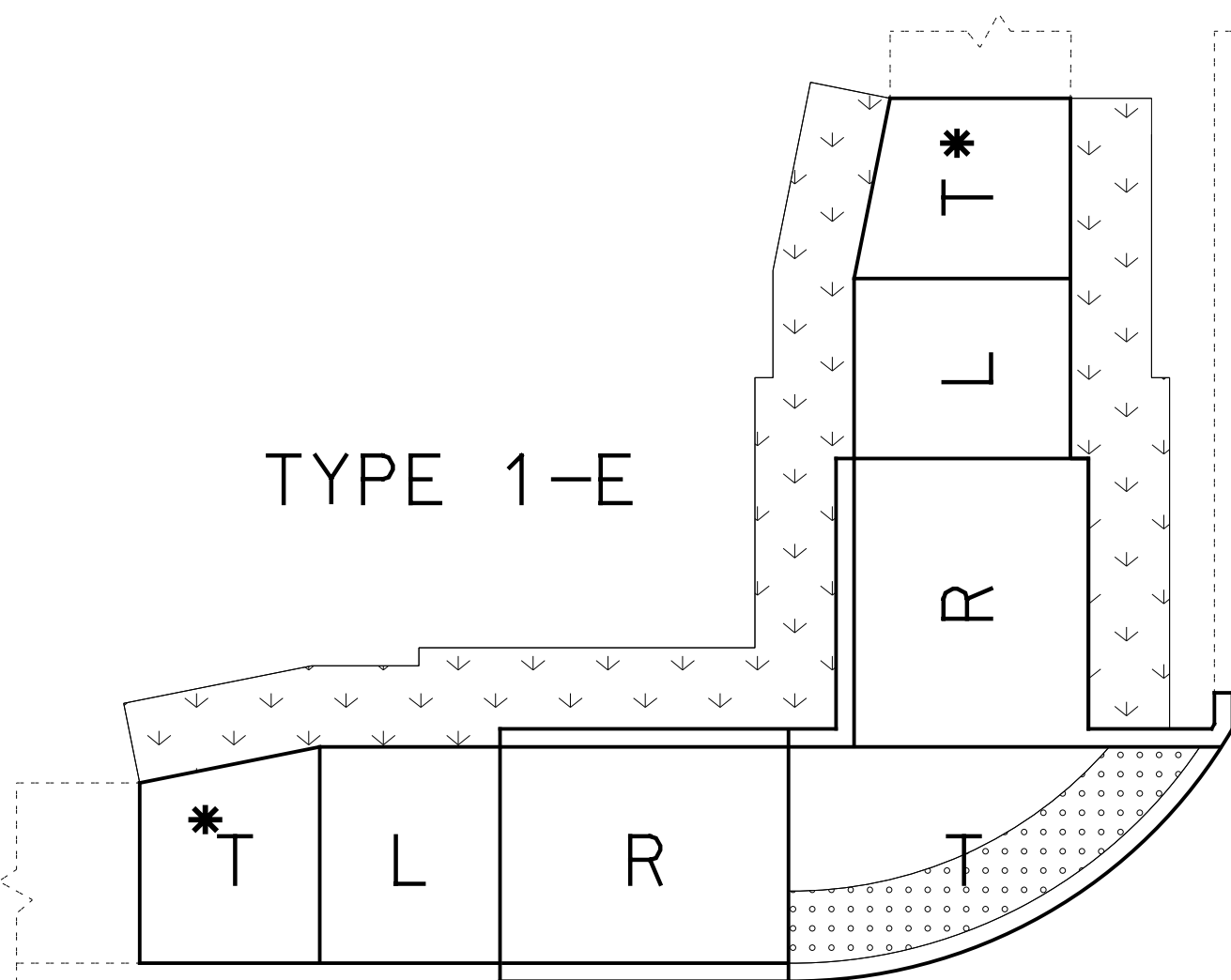
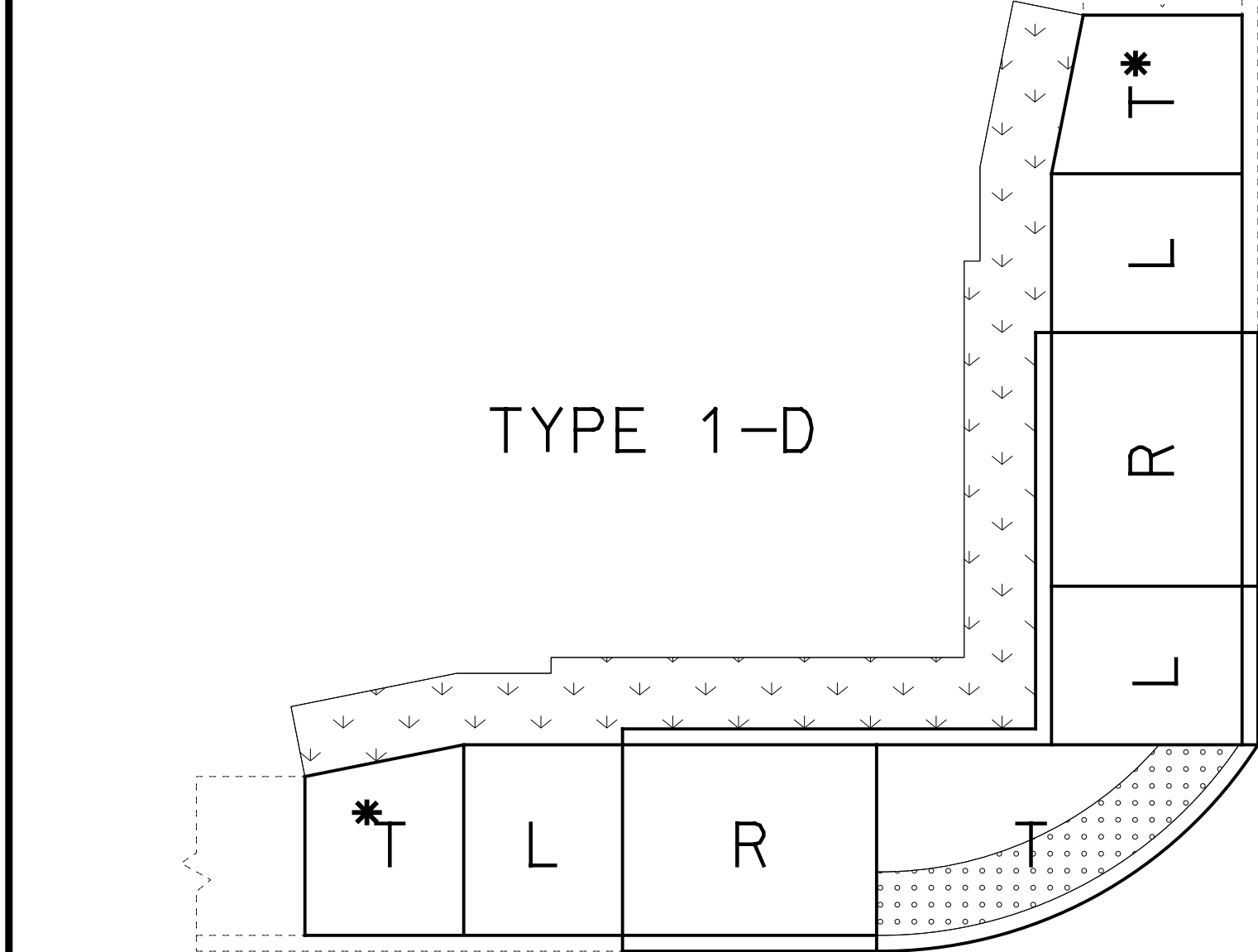
TYPE 1-B												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0		
CURB RAMP	SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3		
CONC. SIDEWALK	SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7		
TYPE 1 AGGREGATE	SY	-	16.5	19.4	-	19.2	22.7	-	21.1	25.0		
ADA LINEAR GRADING	LF	-	28.0	28.0	-	34.5	34.5	-	38.0	38.0		
SODDING	SY	-	7.4	7.8	-	8.4	8.7	-	9.1	9.5		

TYPE 1-C												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0		
CURB RAMP	SY	-	8.8	10.3	-	11.5	13.4	-	14.1	16.5		
CONC. SIDEWALK	SY	-	5.6	6.4	-	5.6	6.4	-	4.9	5.7		
TYPE 1 AGGREGATE	SY	-	14.4	16.7	-	17.1	19.8	-	19.0	22.1		
ADA LINEAR GRADING	LF	-	22.0	22.0	-	26.5	26.5	-	30.0	30.0		
SODDING	SY	-	11.5	11.7	-	13.5	13.5	-	15.0	15.2		

TYPE 1-D												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0		
CURB RAMP	SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3		
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7		
ADA LINEAR GRADING	LF	-	42.0	50.0	-	57.0	61.0	-	67.0	72.0		
SODDING	SY	-	11.0	11.3	-	13.0	13.3	-	14.5	14.9		

TYPE 1-E												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0		
CURB RAMP	SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8		
ADA LINEAR GRADING	LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0		
SODDING	SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3		

TYPE 1-F												
	LENGTH	8			12			16			REMARKS	
		(4F)	5	6	4	5	6	4	5	6		
TRUNCATED DOMES	SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0		
CURB RAMP	SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8		
ADA LINEAR GRADING	LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0		
SODDING	SY	-	18.4	18.8	-	22.4	22.8	-	25.6	25.9		



T - IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS. PAID FOR AS CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERRED AT PAVED APPROACH 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 INTO THE NEW LANDING XSLOPE)

L - LANDING

R - RAMP

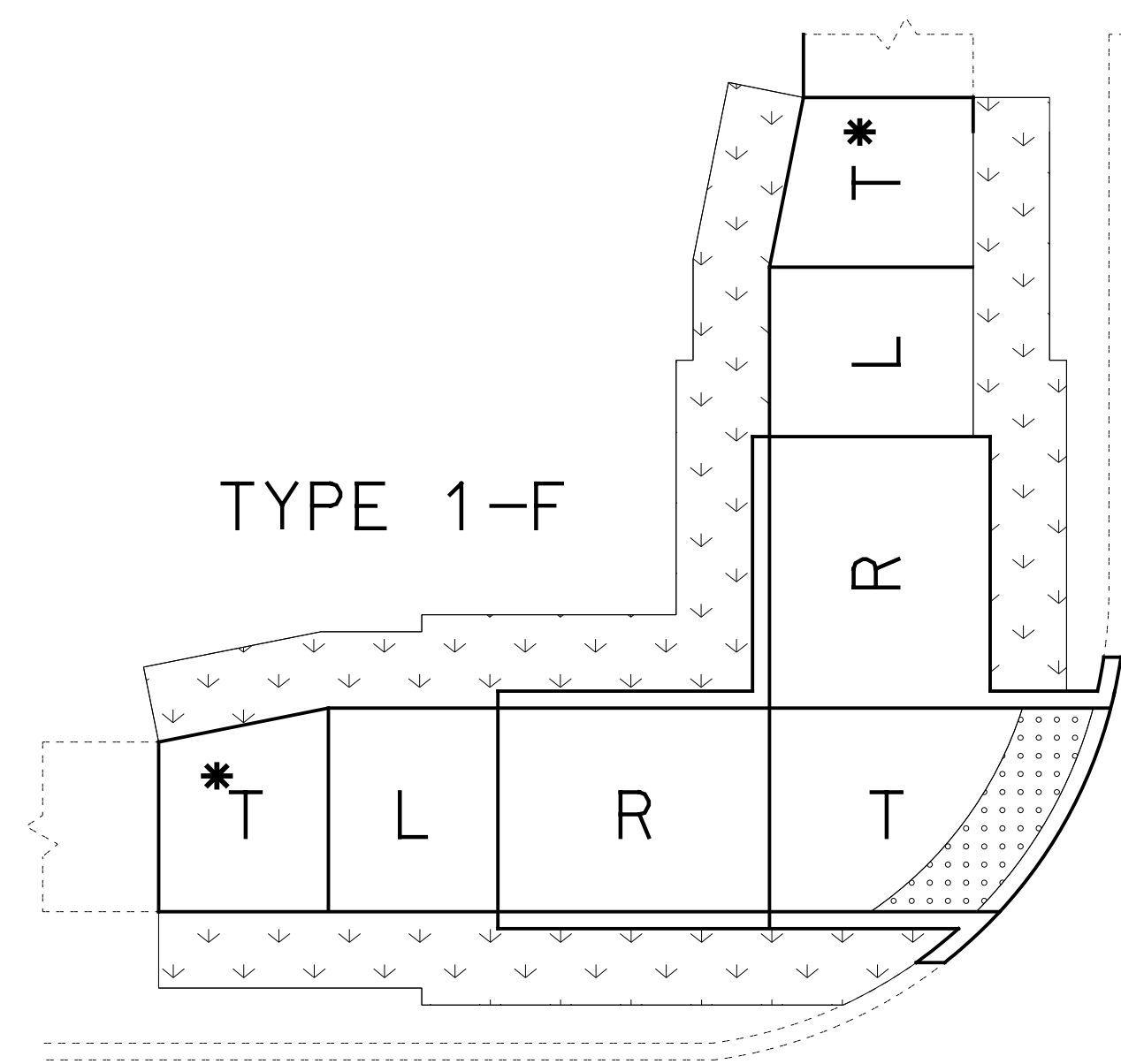
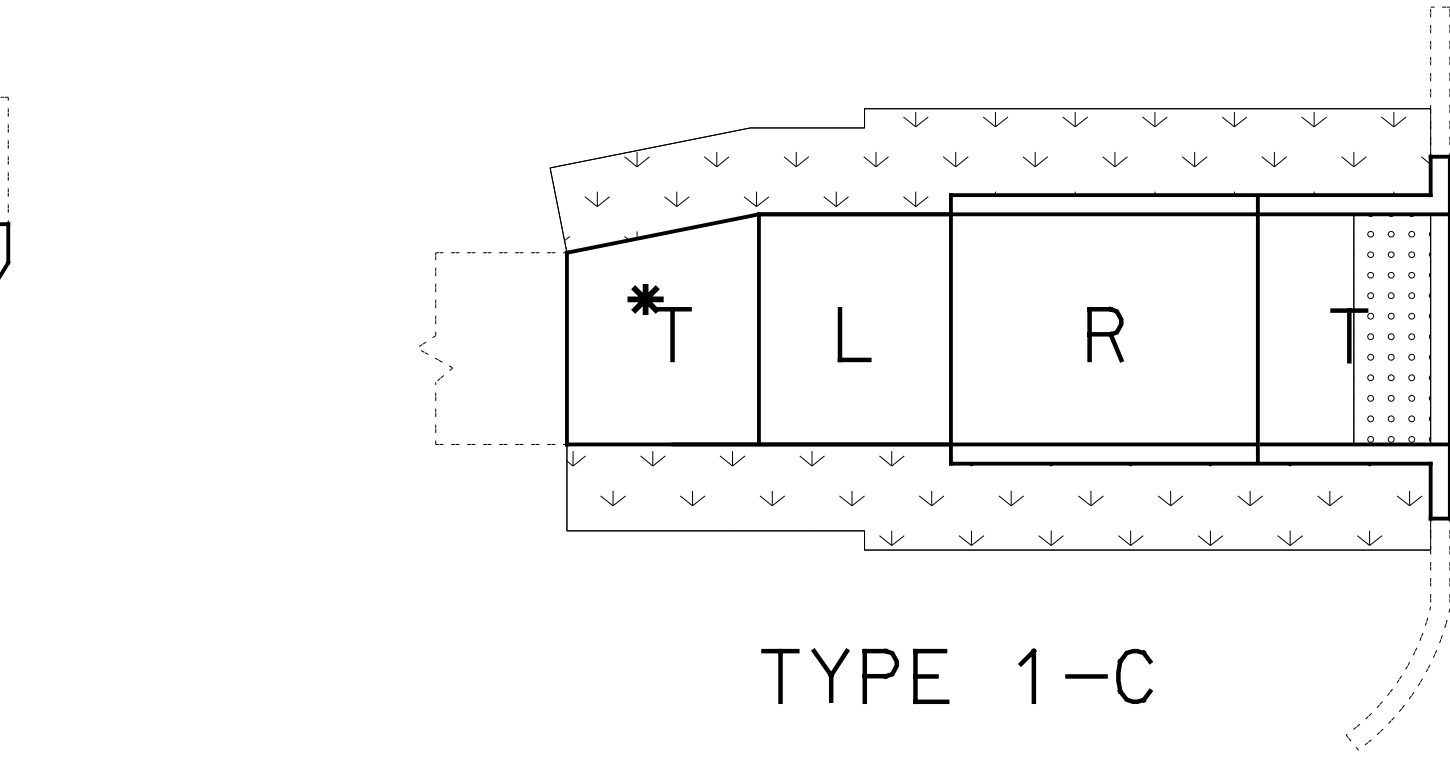
▨ - CURB RAMP PAY LIMITS

↓ ↓ - 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

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



TYPE 1
PERPENDICULAR
CURB RAMPS

TYPICAL SHEET
SHEET 4 OF 9

STATE OF MISSOURI

SETH M. GILLIAM

PROFESSIONAL ENGINEER

NUMBER PE-2019024811

MO# PE-2019024811

DATE PREPARED

9/3/2025

ROUTE OR 50

STATE MO

DISTRICT CD

SHEET NO. 2

COUNTY COLE

JOB NO. J5S3418

CONTRACT ID.

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PROJECT NO.

.

BRIDGE NO.

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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)

BURNS & McDONNELL Engineering Co., Inc.

9400 Ward Parkway

Kansas City, Missouri 64114

816-333-9400

Certificate of Authority

No. : 000165

BMcD Project No. 174872

TYPE 1

PERPENDICULAR

CURB RAMPS

TYPICAL SHEET

SHEET 4 OF 9

REV.

9/3/2025

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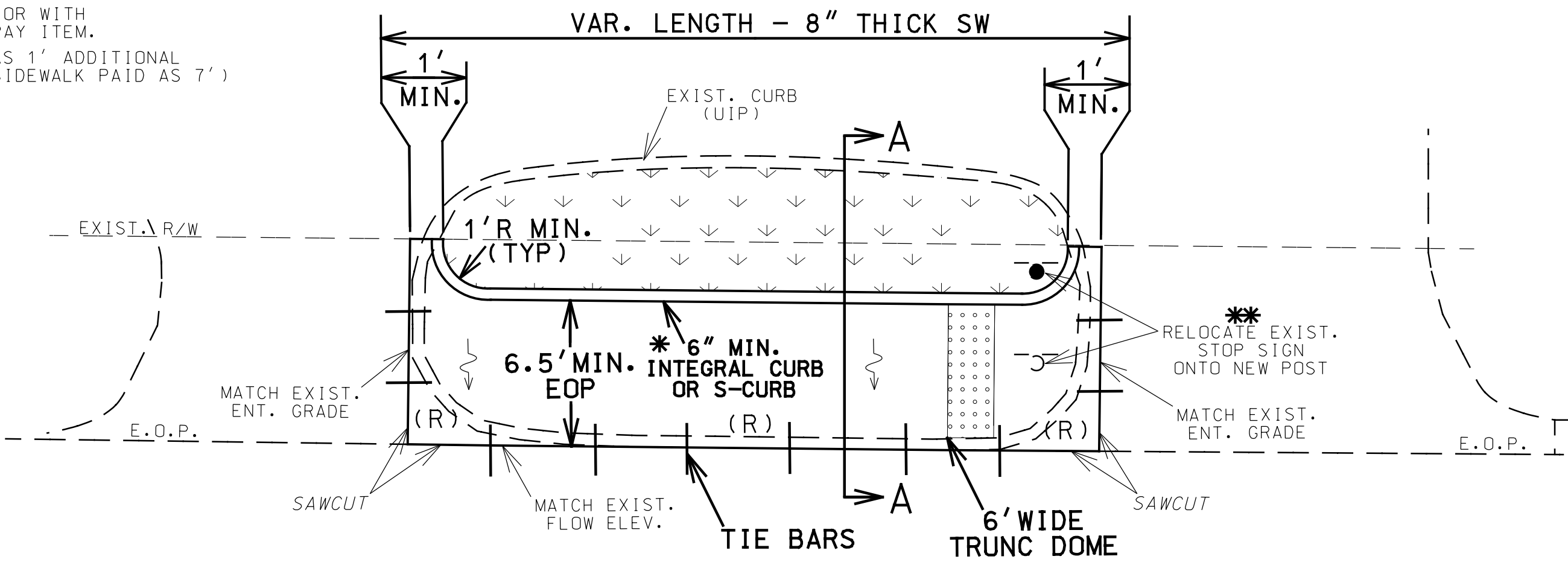
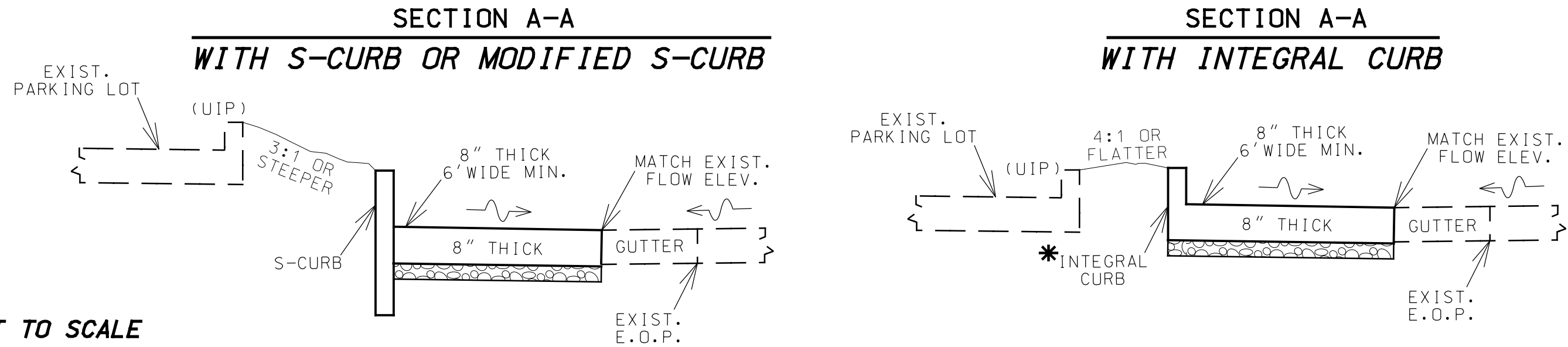
NOTES FOR MODIFIED SIDEWALK:

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)

TYPICAL
MODIFIED SIDEWALK
8" THICK

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

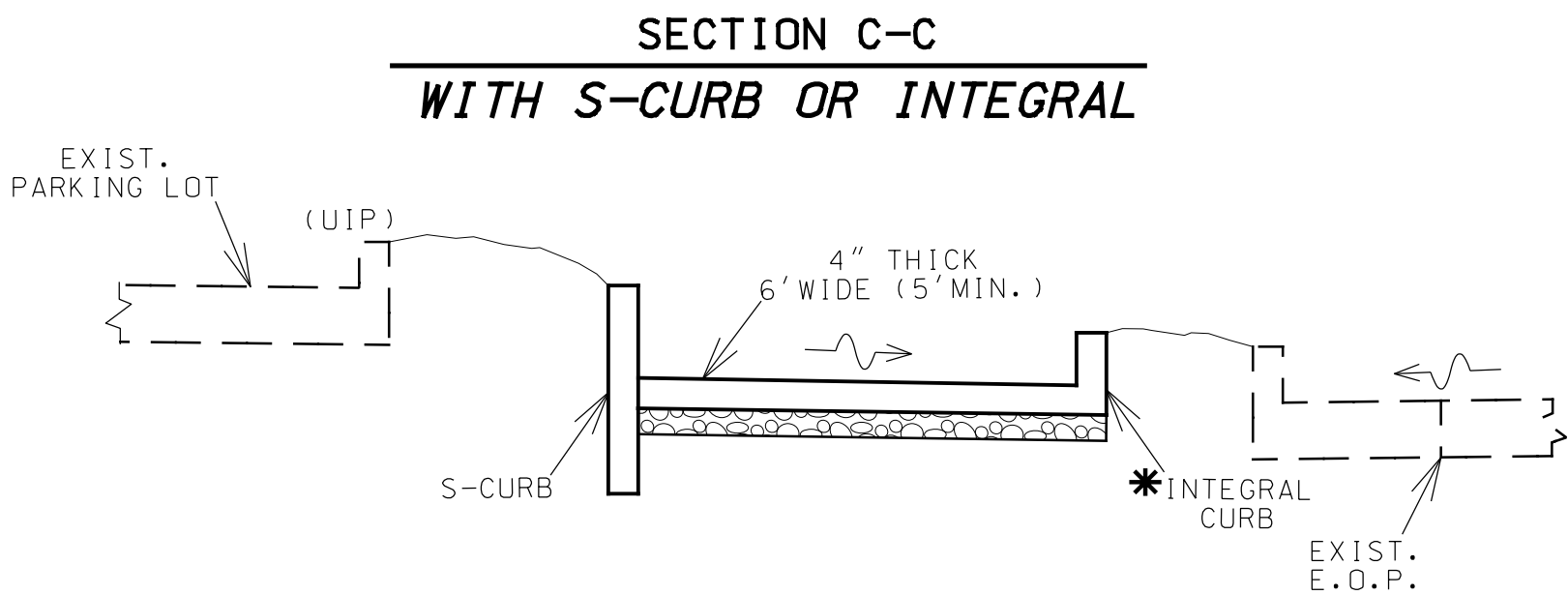
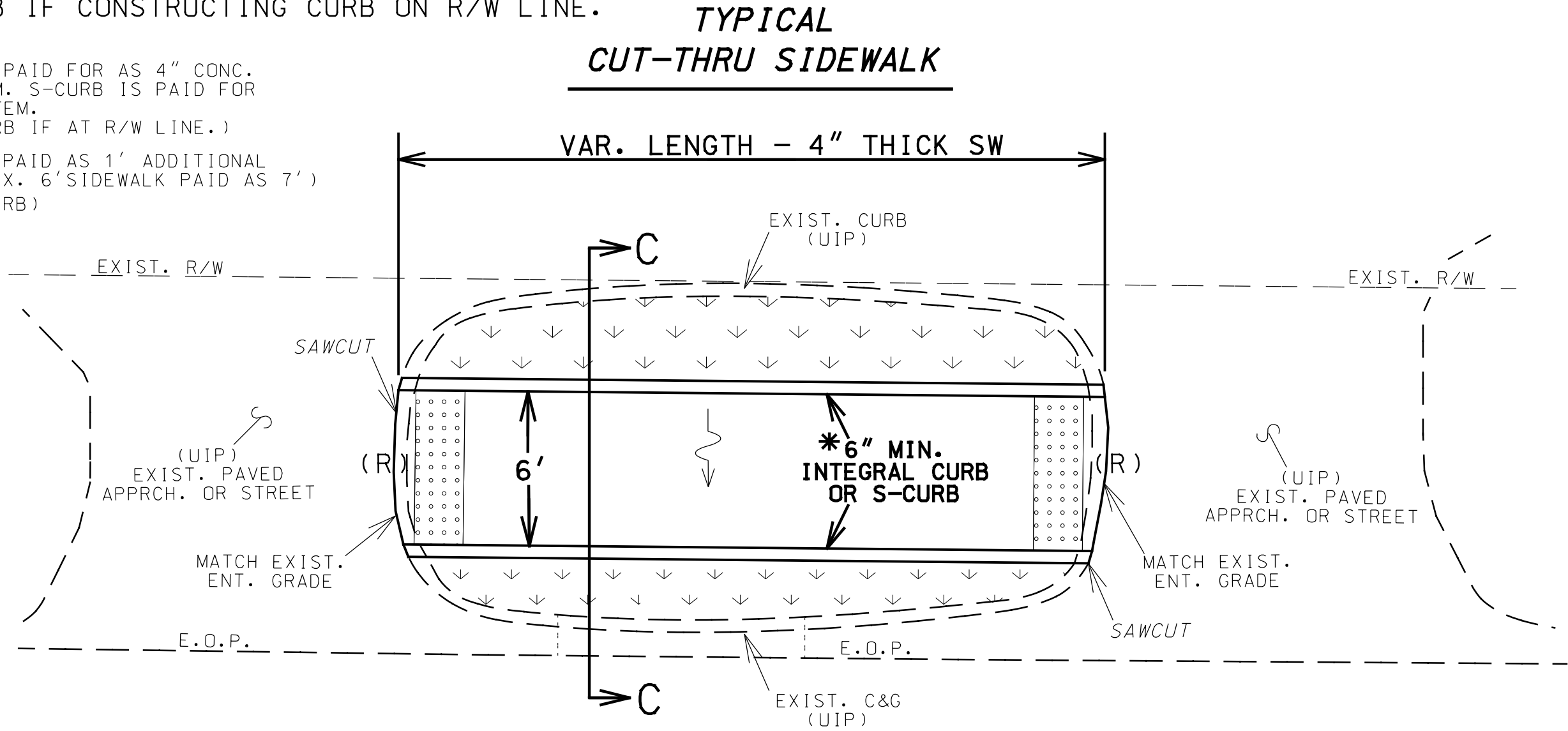


NOT TO SCALE

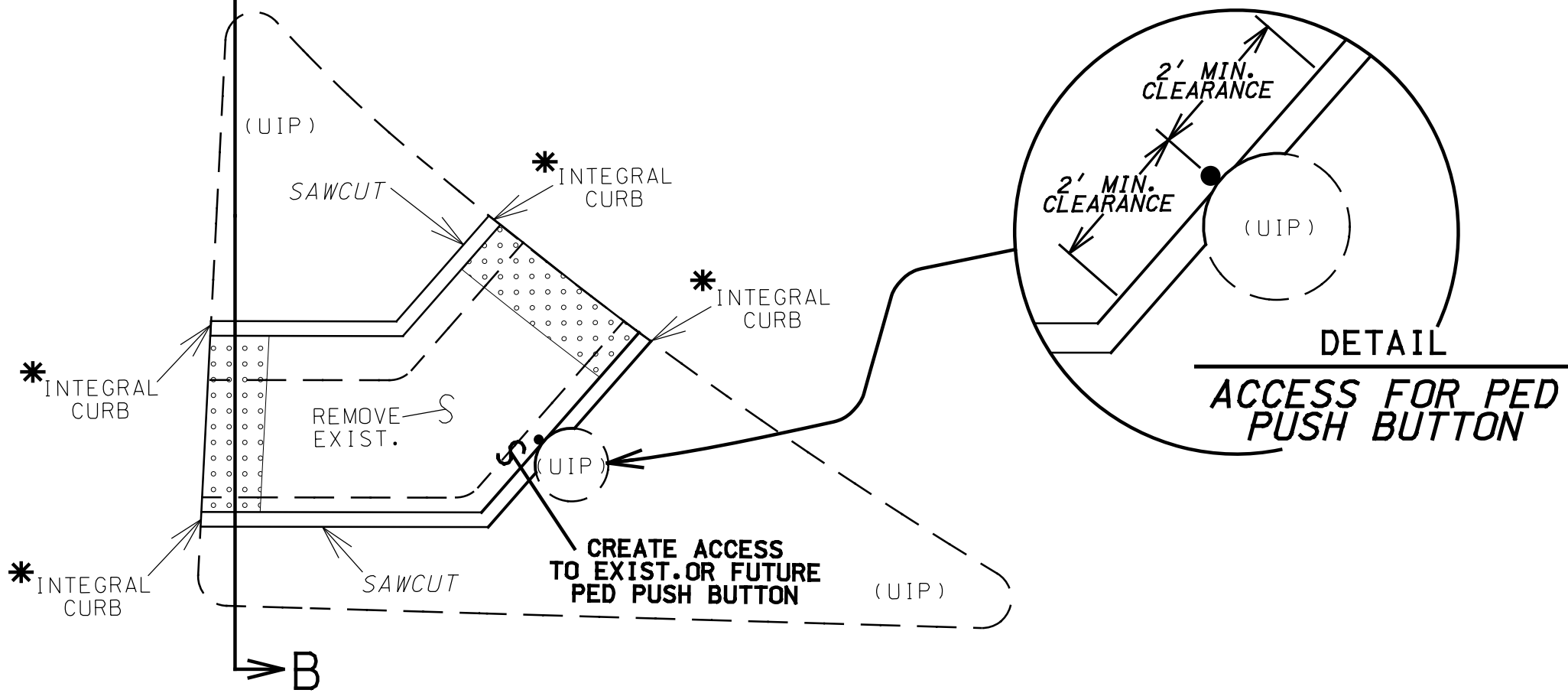
NOTES FOR CUT-THRU SIDEWALK:

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.

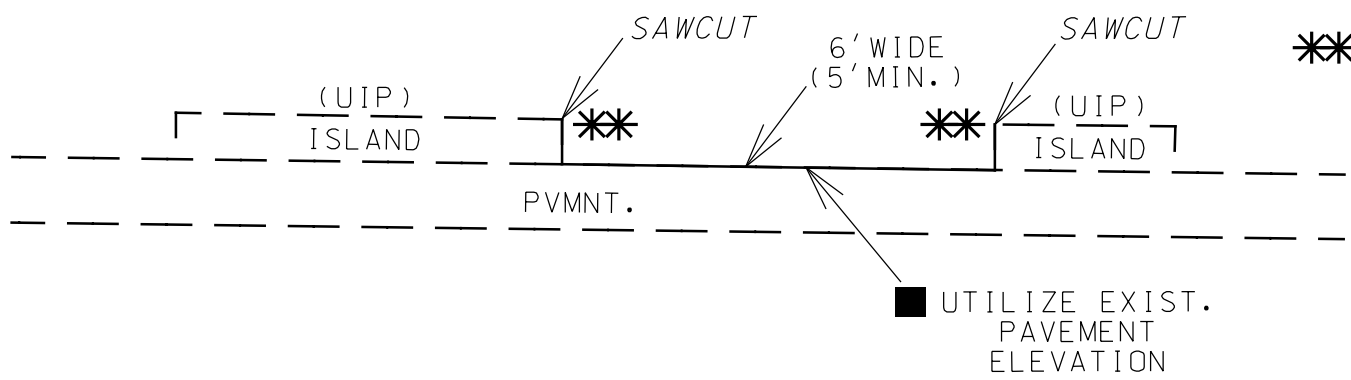
* INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM. (ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)



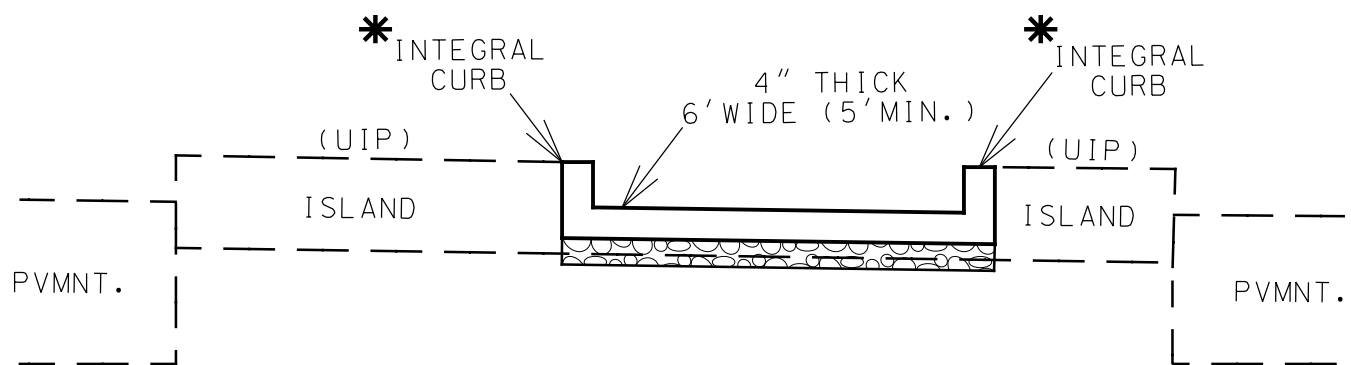
TYPICAL
ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN



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



SECTION B-B
ISLAND CUT-THRU SIDEWALK



MODIFIED SIDEWALK
AND
SIDEWALK CUT-THRU'S

TYPICAL SHEET
SHEET 8 OF 9



DATE PREPARED
9/3/2025

ROUTE OR 50 STATE MO
DISTRICT CD SHEET NO. 2

COUNTY COLE

JOB NO. J5S3418

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)

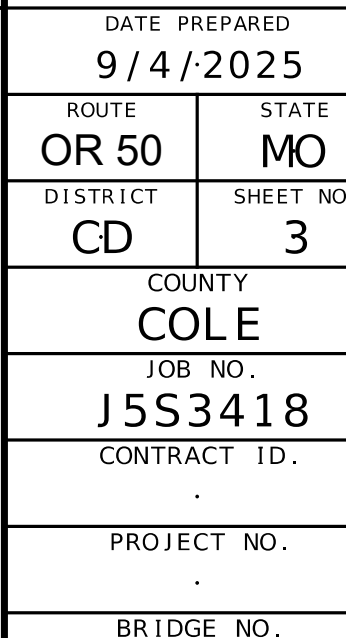
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

BURNS
MCDONNELL

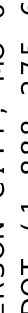
SUMMARY OF QUANTITIES



PAVEMENT MARKING									
SHEET NO.	CENTERLINE	STA.	STA.	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)		PREFORMED THERMOPLASTIC		
				4" SY	4" SW	4" IW	24" SW	24" SY	LT/RT ARROW
				LF	LF	LF	LF	LF	EA
69	S OUTER RD 50	11+81.67	12+70.00	226	268	57	14		1
70	S OUTER RD 50	12+70.00	18+10.00	1350	1080	270			3
71	S OUTER RD 50	18+10.00	23+50.00	1350	1080	270			3
72	S OUTER RD 50	23+50.00	28+90.00	1498	1377	230	194	21	6
73	S OUTER RD 50	28+90.00	31+15.00	650	825	138			2
TOTAL:				5074	4630	965	208	21	15
TOTAL:				5074	5595		208	21	15

PRECAST DROP INLET										
				TYPE S-1 INLET	TYPE B INLET	CURVED VANE GRATE & FRAME	GRATE AND BEARING PLATE (5'X3') (EA)	MANHOLE FRAME & COVER, TYPE 3 (EA)	PIPE OPENING (#-SIZE)	CLASS 3 EXC. (CY)
SHEET NO.	CENTERLINE	STA.	STRUCTURE NO.	5'X3' (FT.)	4'X2' (FT.)	4'X2'				
74	S OUTER RD 50	20+70.00	C3		2.50	1			1-15" & 1-18"	4.8
74	S OUTER RD 50	21+55.00	C3A		6.23	1			2-15"	5.8
74	S OUTER RD 50	22+58.00	C5		3.50	1			1-15"	4.6
74	S TEN MILE DR	10+76.73	D2	2.73			1		1-18"	7.2
74	S TEN MILE DR	10+84.37	D3	4.46				1	2-18"	5.4
TOTAL:				7	12	3	1	1		27.8
USE:				8	13	3	1	1		27.8

SUMMARY OF QUANTITIES
SHEET 3 OF 4



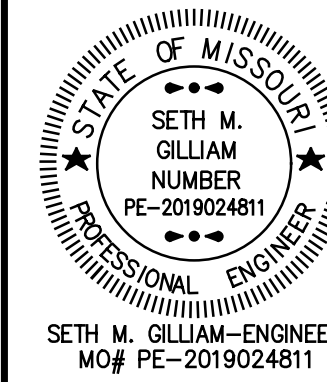
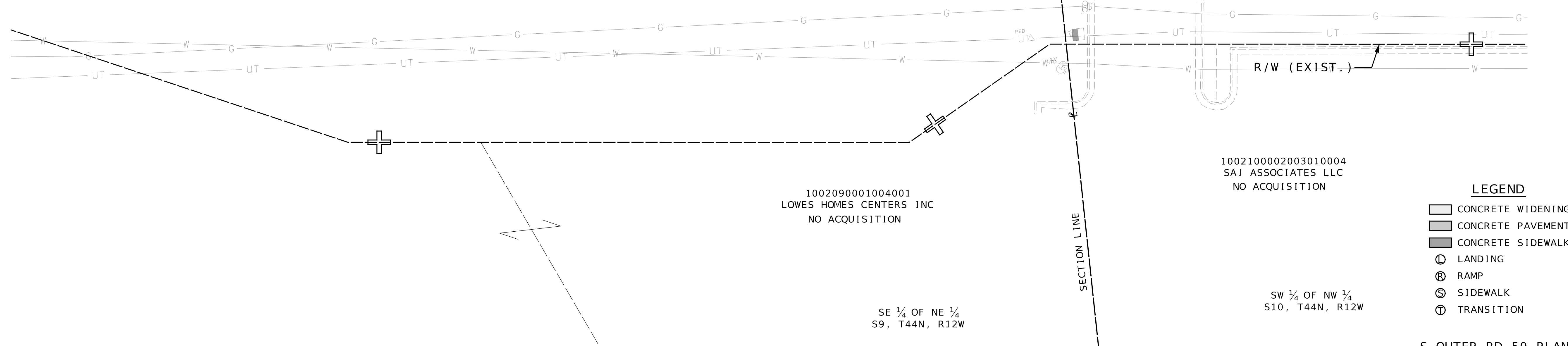
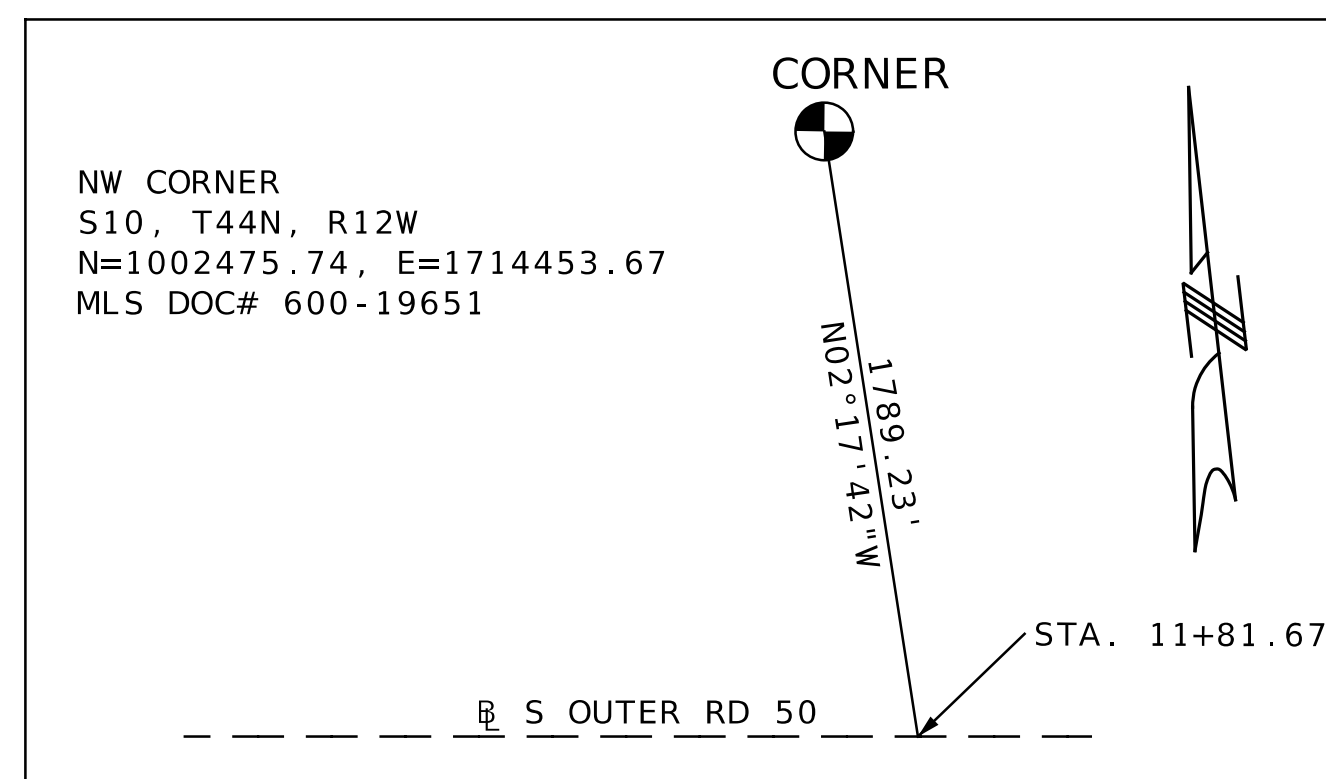
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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**BURNS
MCDONNELL**
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMCd Project No. 174872

																		EFFECTIVE: 07-01-2024			
SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	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	2	20.00				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	4	32.00				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						WORK ZONE (PLAQUE)	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA) (L.S.)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR				
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161013		BUOYS (NO WAKE)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161025	59	CHANNELIZER (TRIM LINE)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161030	5	TYPE III MOVEABLE BARRICADE	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161033	15	DIRECTION INDICATOR BARRICADE	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161040	1	FLASHING ARROW PANEL	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161047		TYPE III OBJECT MARKER	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161055	15	SEQUENTIAL FLASHING WARNING LIGHT	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161070		TUBULAR MARKER	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161095		RADAR SPEED ADVISORY SYSTEM	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN WITHOUT COMM.	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1aL	48X48	16.00	1	16.00				MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161099		WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25	2	12.50				RIGHT LANE MUST TURN RIGHT	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6162002		TEMPORARY TRAFFIC BARRIER	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6173600D		CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6173602B		TEMPORARY TRAFFIC BARRIER	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)			CONTRACTOR FURNISHED/RETAINED	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6174000A		TEMPORARY TRAFFIC BARRIER	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6175010A		CONTRACTOR FURNISHED/COMMISSION RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6176000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6177000B		RELOCATING TEMPORARY TRAFFIC BARRIER	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6177000B		TEMPORARY TRAFFIC BARRIER	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			COMMISSION FURNISHED/RETAINED	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			COMMISSION FURNISHED/RETAINED	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00						(ARROW RIGHT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS	
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00						STOP HERE ON RED (45° ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL									ROAD CLOSED				
WO8-9	48X48	16.00						LOW SHOULDER	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD				
WO8-11	48X48	16.00						UNEVEN LANES	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY				
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC				
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-3X	56X12	4.67						FINE SIGN				
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	MISCELLANEOUS SIGNS												
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	48X36	12.00	2	24.00				POINT OF PRESENCE				
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	96X48	32.00						POINT OF PRESENCE				
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE				
W10-1	42RND.	9.62						RAILROAD CROSSING													
WO12-1	24X24	4.00	1	4.00				DOUBLE DOWN ARROW (SYMBOL)													
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)													
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)													
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)													
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD													
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD													
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)													
WO16-2	30X24	5.00						XXX FEET (PLAQUE)			</										

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO A PART OF THE CONSTRUCTION OF THE PROJECT.
2. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 21+46.92 TO STA. 24+99.56. A DISTANCE OF 0.067 MILES.
3. ALL BEARINGS ARE BASED ON MISSOURI STATE PLANE COORDINATE SYSTEM OF 1983 - CENTRAL ZONE.
4. UTILITIES: THE INFORMATION CONCERNING LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON WHICH ARE NOT VISIBLE FROM THE SURFACE, HAS BEEN TAKEN FROM THE RECORDS AND FIELD LOCATIONS OF THE VARIOUS UTILITY COMPANIES AND HAS NOT BEEN FIELD VERIFIED. THESE LOCATIONS ARE NOT TO BE CONSTRUED AS ACCURATE OR EXACT.



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 4

COUNTY
COLE

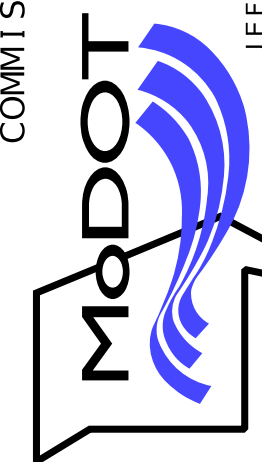
JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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)

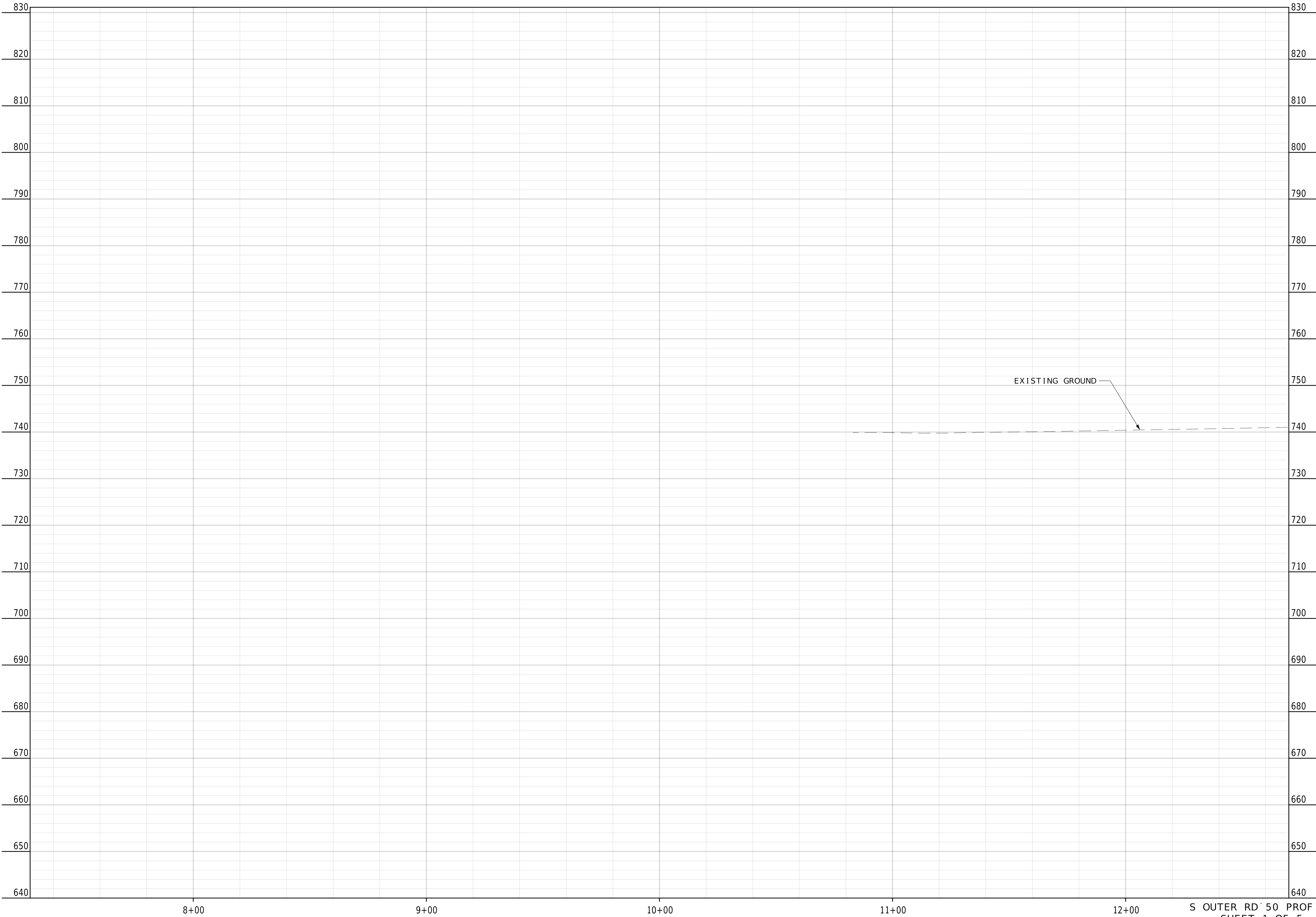
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 174872





DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 5

COUNTY
COLE

JOB NO.
J5S3418

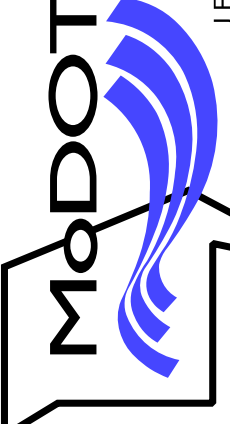
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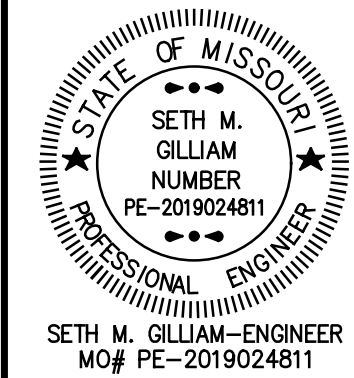
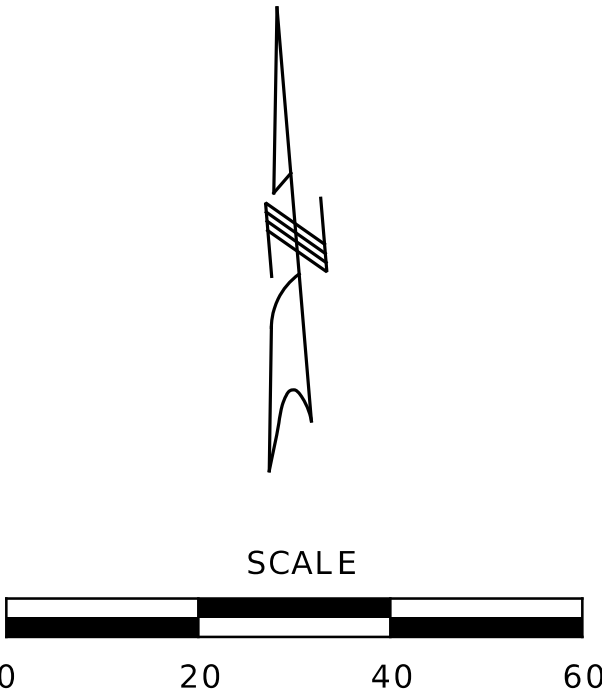
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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JEFFERSON CITY, MO 65102
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BMcD Project No. 174872





DATE PREPARED
9/3/202

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 6

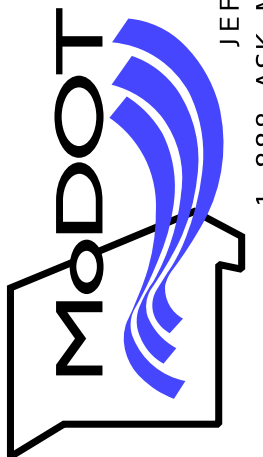
COUNTY
COLE

JOB NO.
J5S341

CONTRACT ID

PROJECT NO.

BRIDGE NO.

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COMMISSION

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

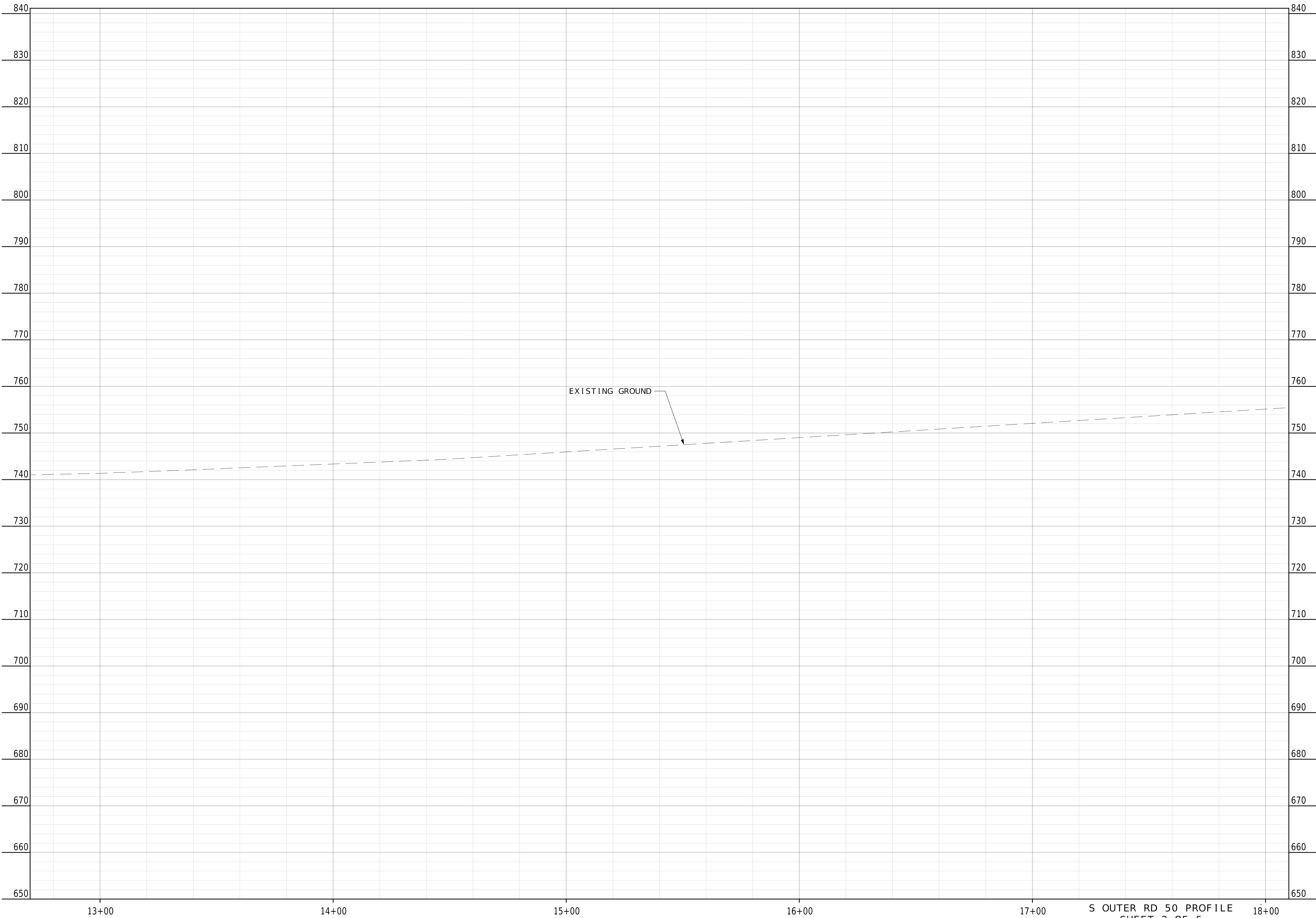
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13+00

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S OUTER RD 50 PROFILE
SHEET 2 OF 5

18+00



DATE PREPARED
9/3/2025

ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
COLE

JOB NO.
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MISSOURI HIGHWAYS AND TRANSPORTATION
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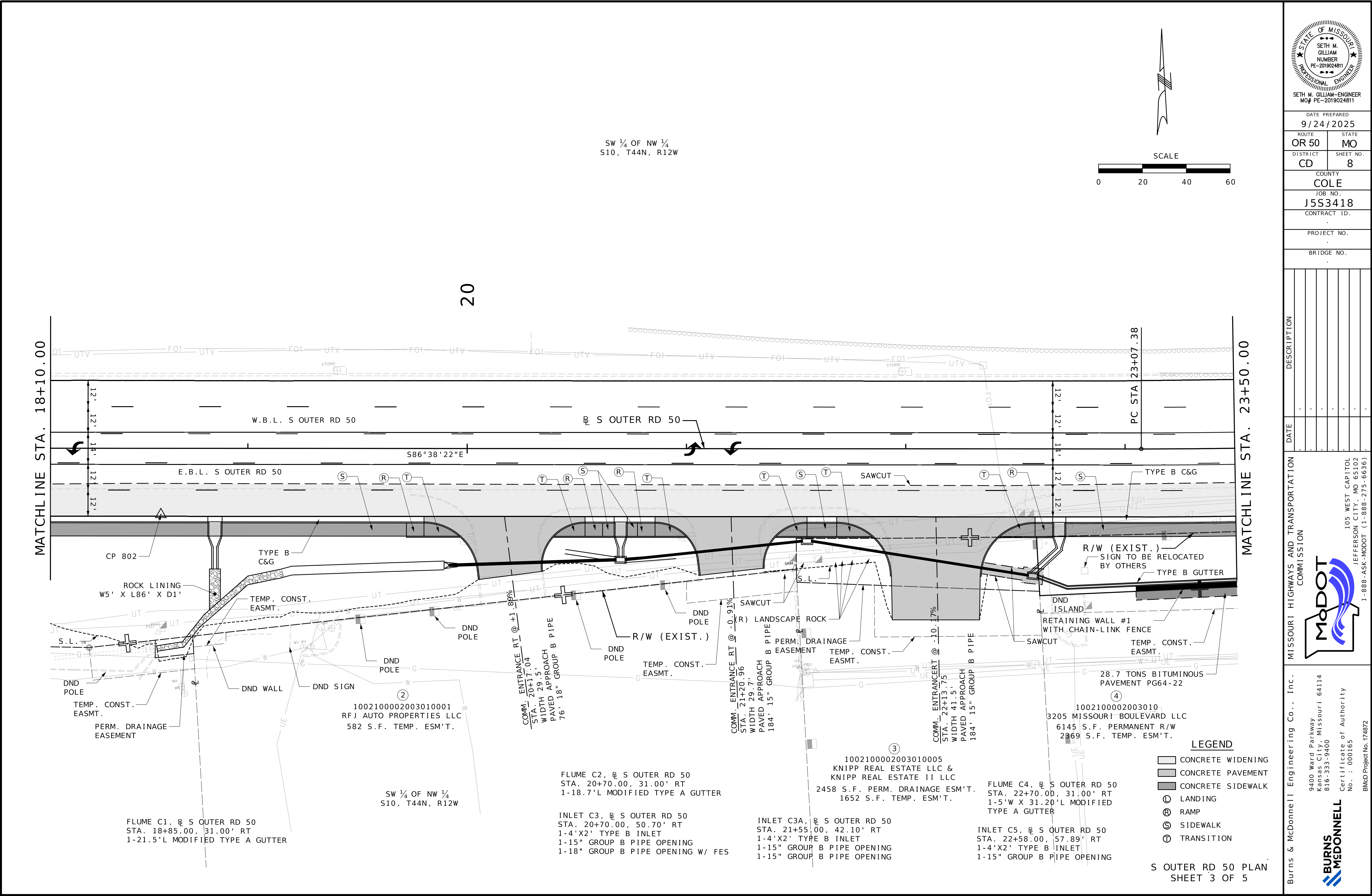
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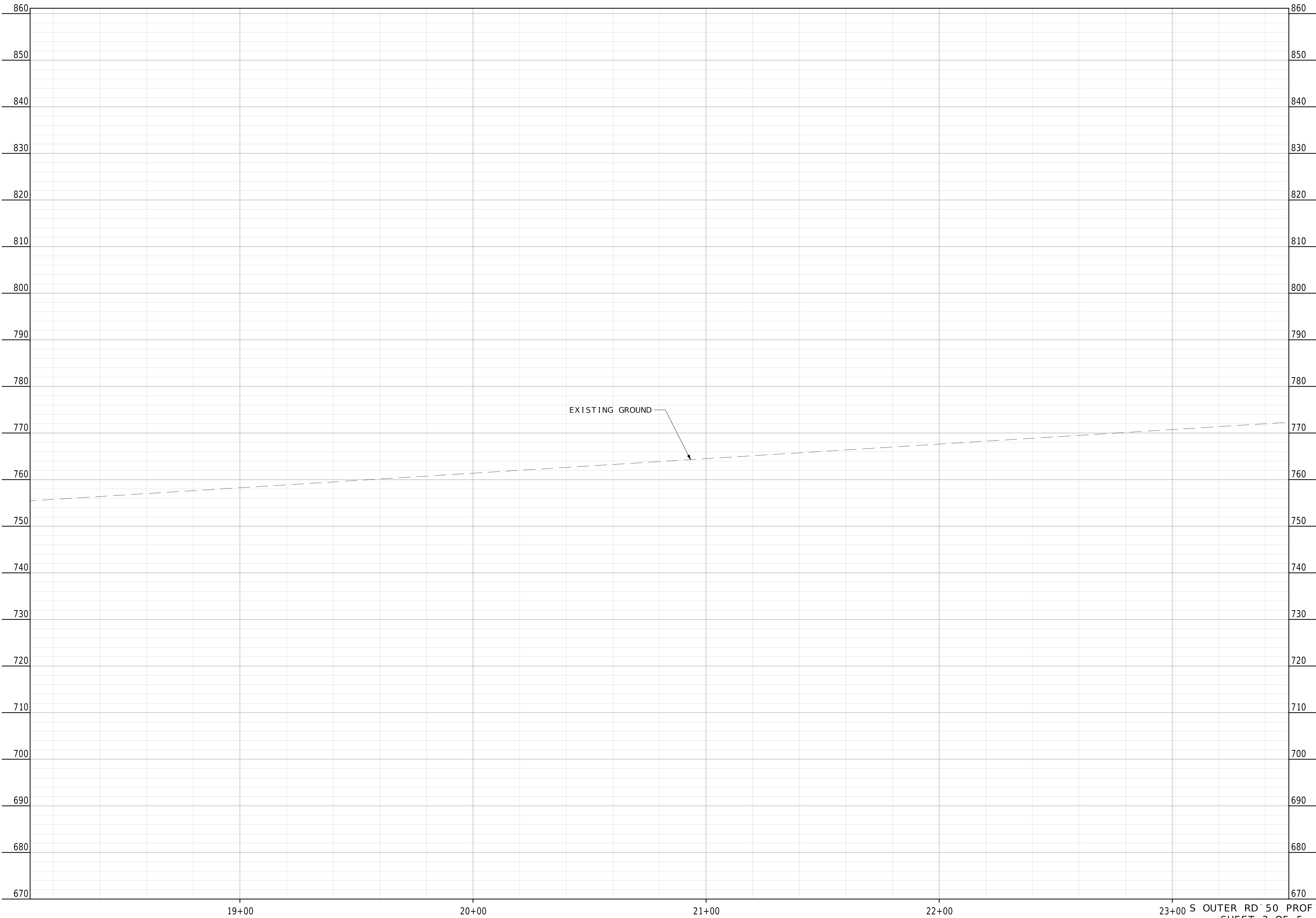
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19+00

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22+00

23+00 S OUTER RD 50 PROFILE
SHEET 3 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 9

COUNTY
COLE

JOB NO.
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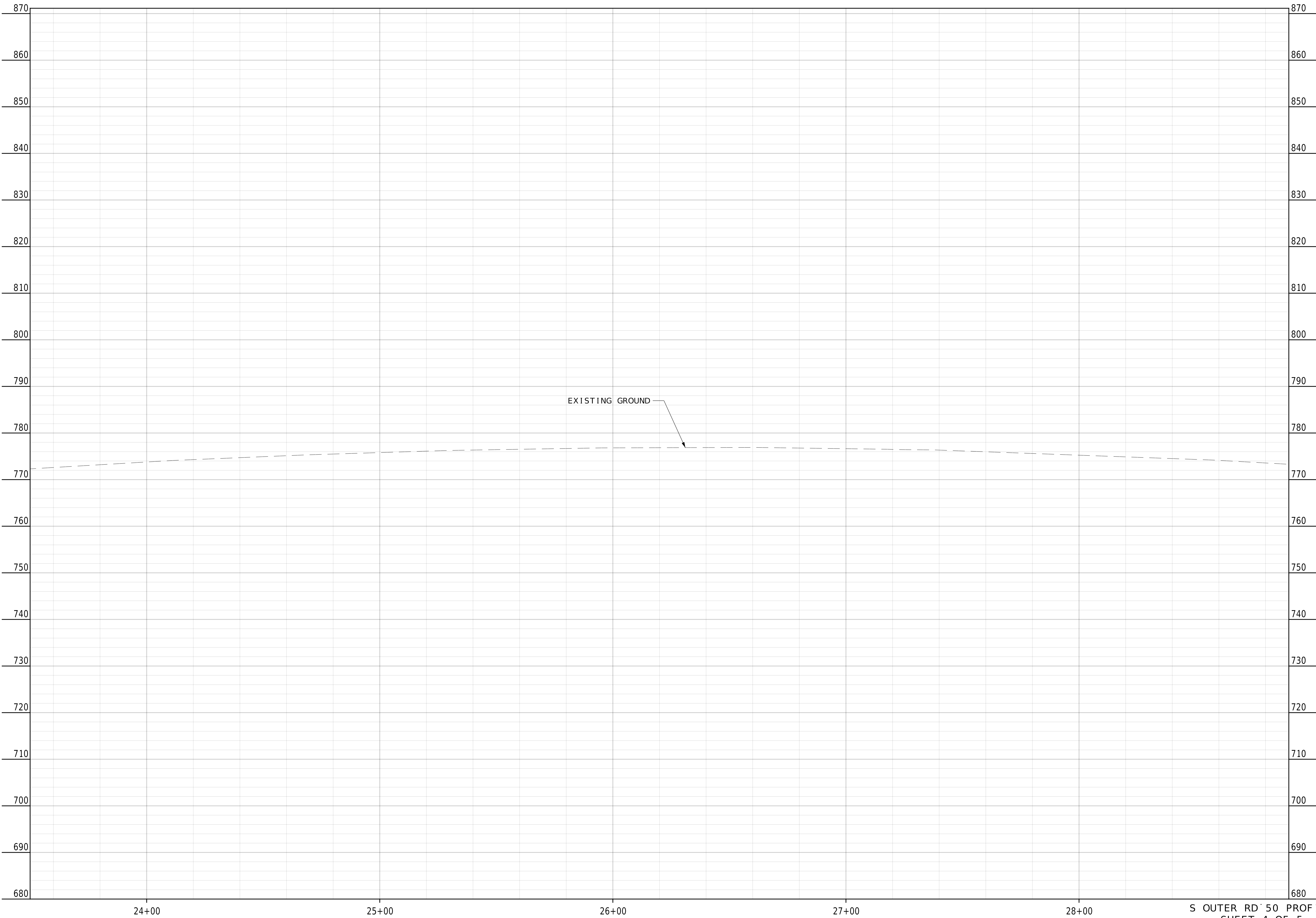
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24+00

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S OUTER RD 50 PROFILE
SHEET 4 OF 5



DATE PREPARED
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ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	1:1

COUNTY
COLE

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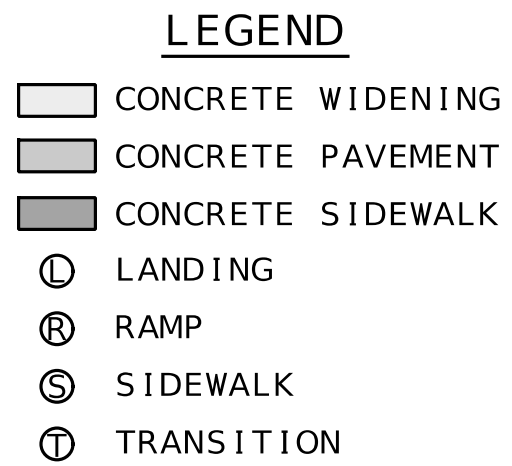
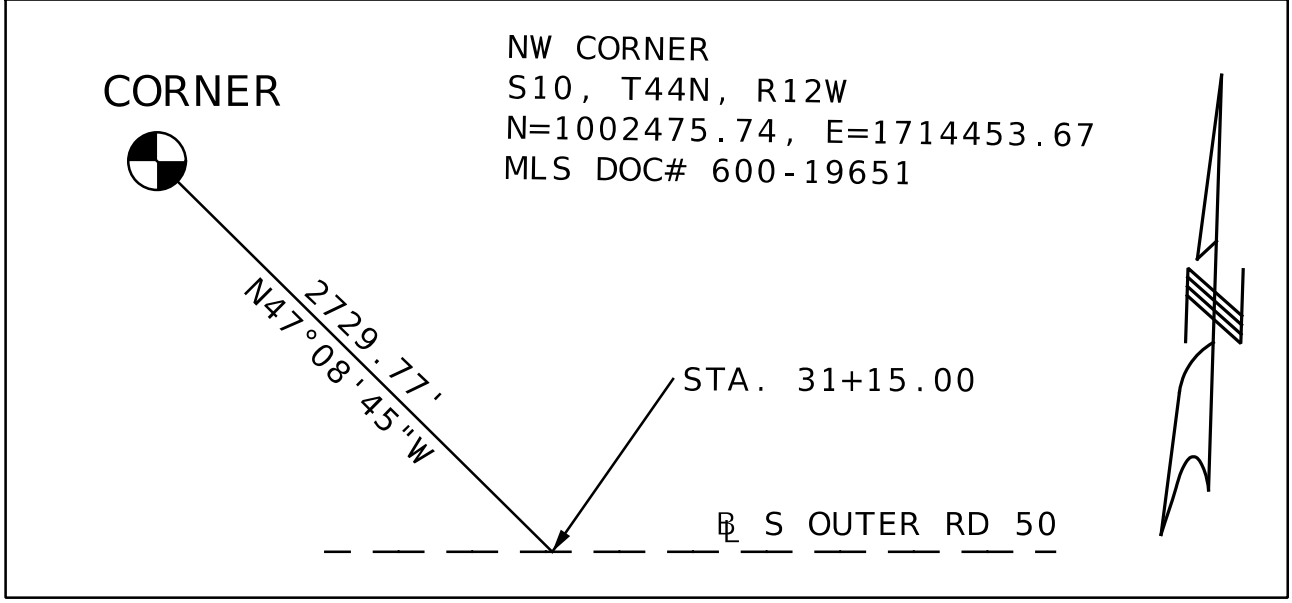
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



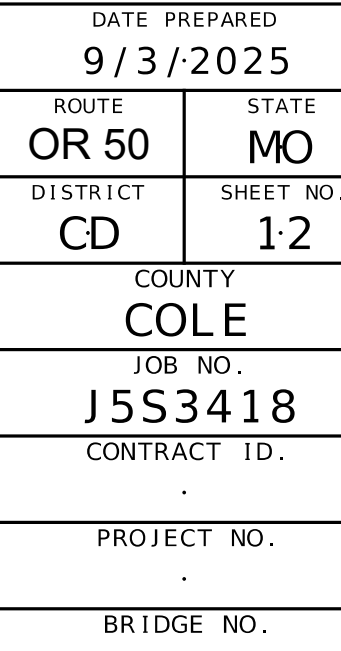
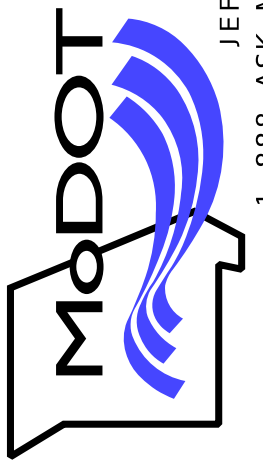
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 174872





S OUTER RD 50 PLAN
SHEET 5 OF 5

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

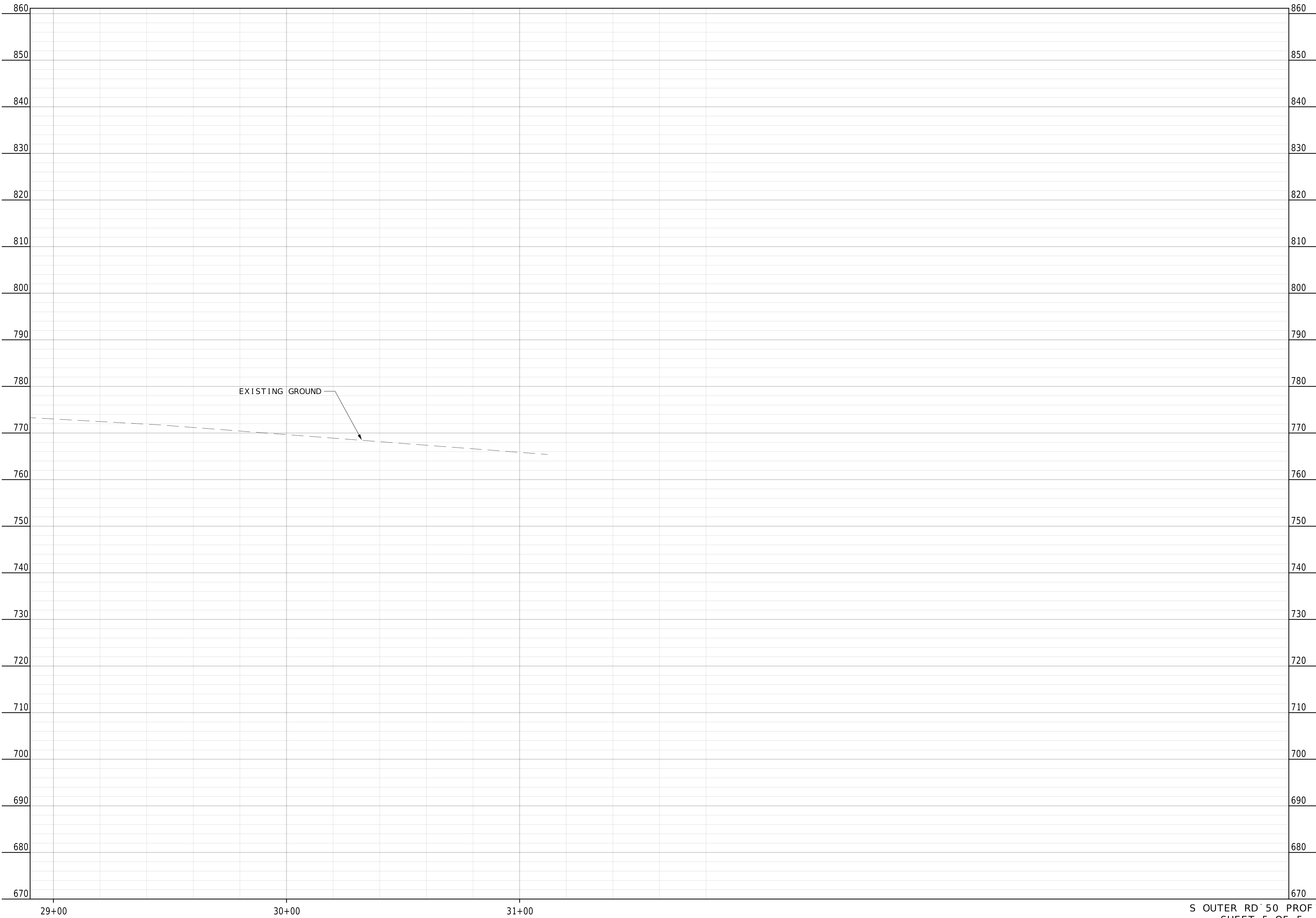
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400



Certificate of Authority
No. : 000165

BMcD Project No. 174872



S OUTER RD 50 PROFILE
SHEET 5 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 1-3

COUNTY
COLE

JOB NO.
J5S3418

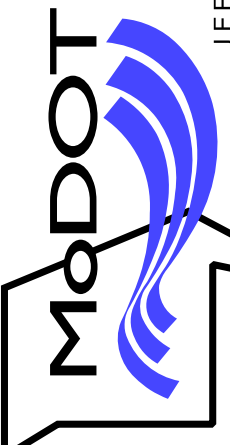
CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

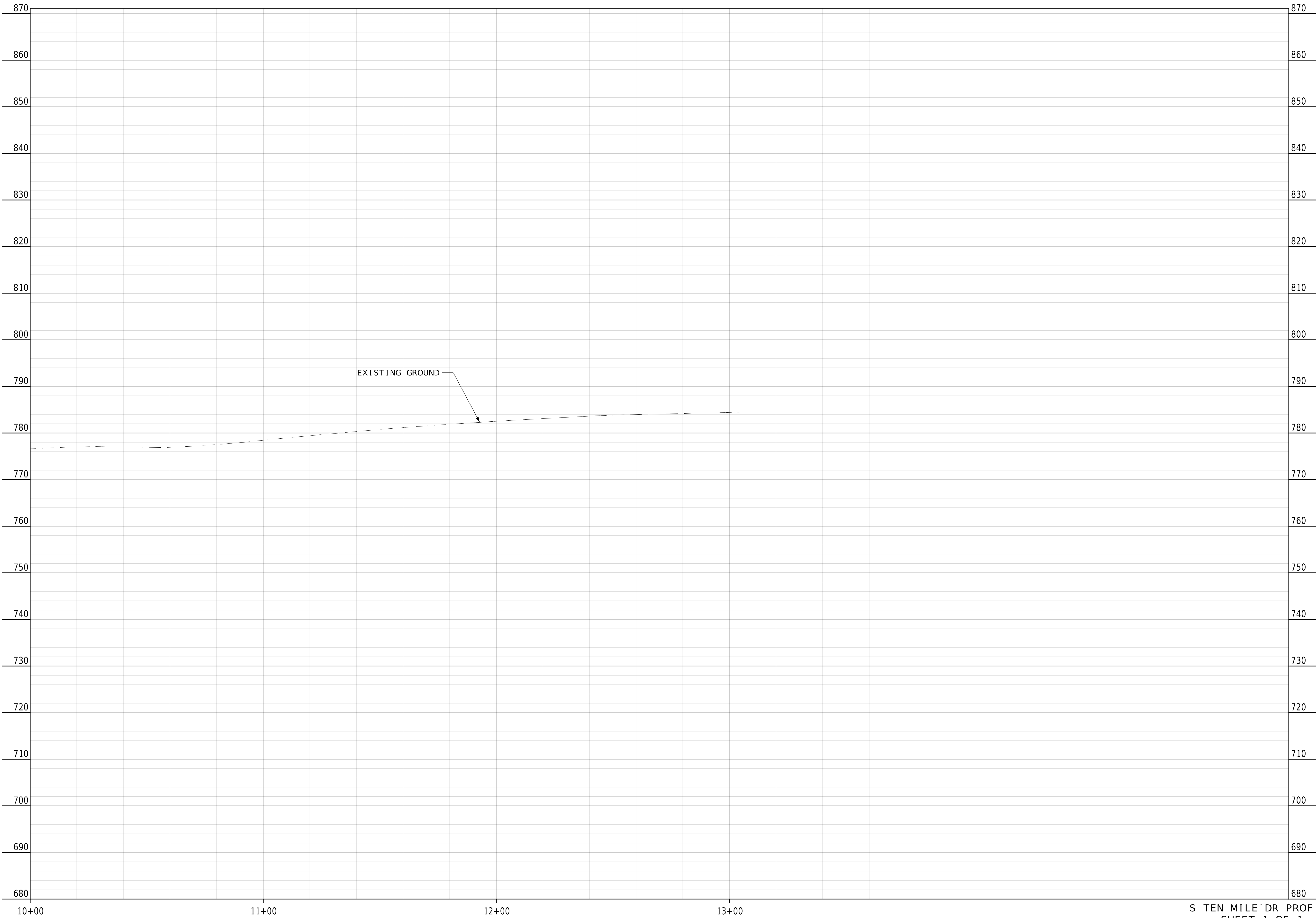


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 174872

Burns & McDonnell Engineering Co., Inc.



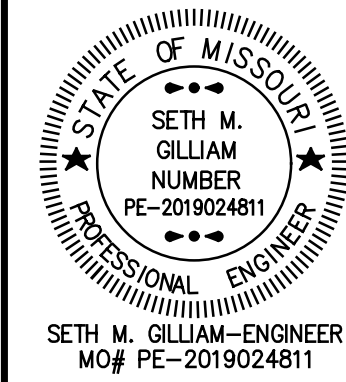
10+00

11+00

12+00

13+00

S TEN MILE DR PROFILE
SHEET 1 OF 1



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 15

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



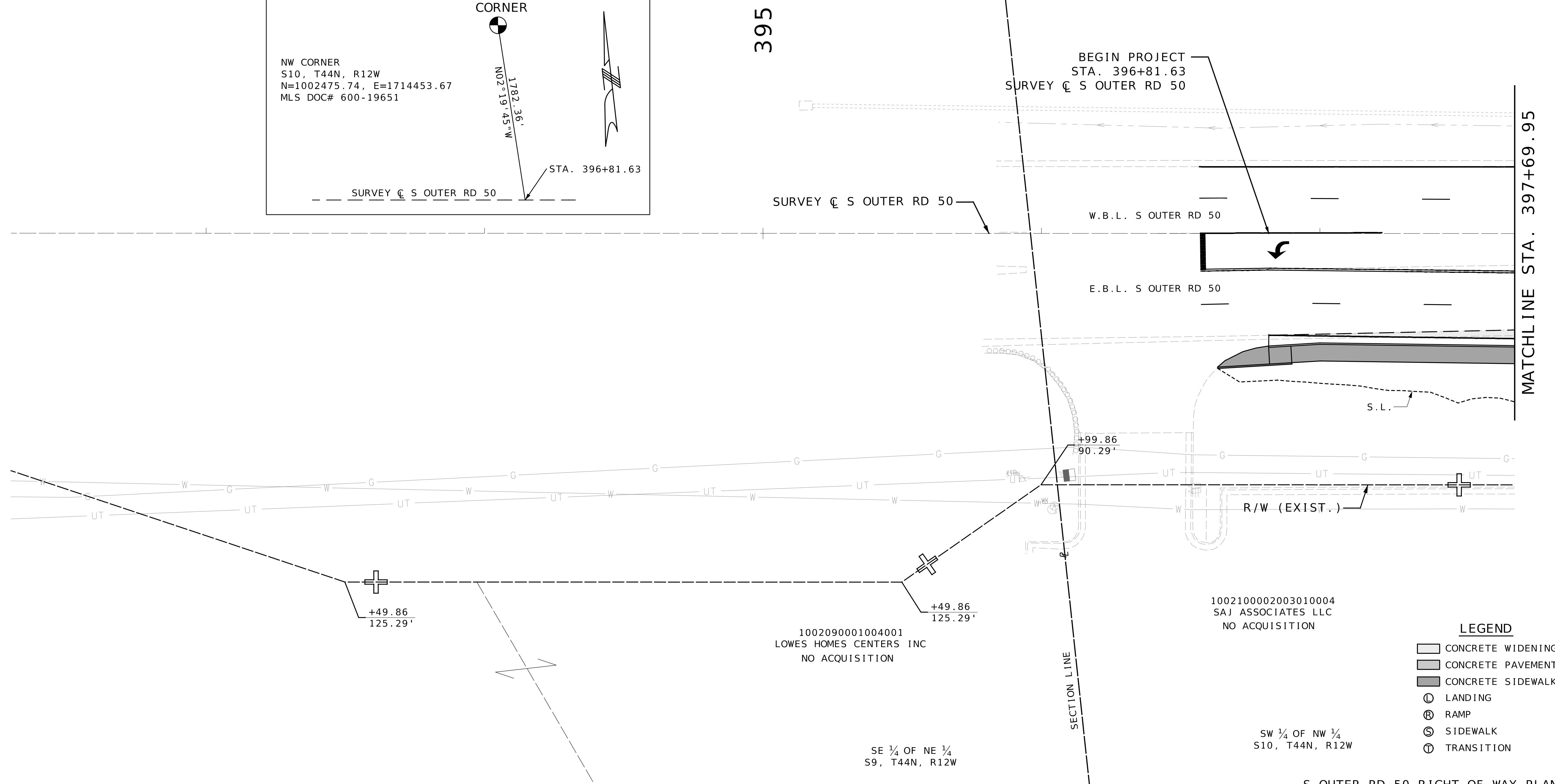
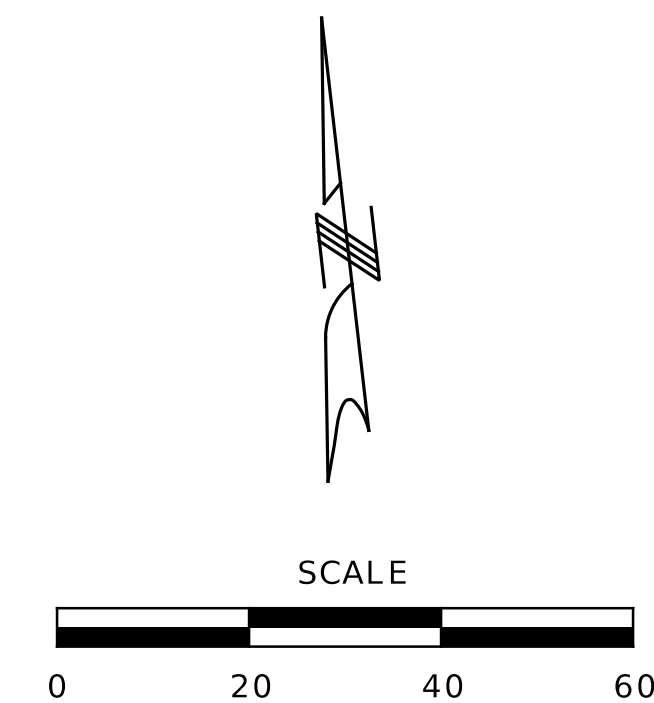
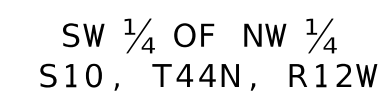
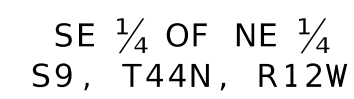
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165

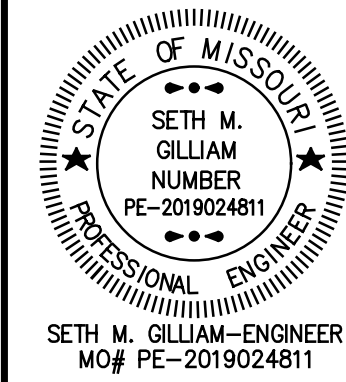


BMCD Project No. 174872

1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO A PART OF THE CONSTRUCTION OF THE PROJECT.
2. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 406+50.35 TO STA. 5+85.18. A DISTANCE OF 0.067 MILES.
3. ALL BEARINGS ARE BASED ON MISSOURI STATE PLANE COORDINATE SYSTEM OF 1983 - CENTRAL ZONE.
4. UTILITIES: THE INFORMATION CONCERNING LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON WHICH ARE NOT VISIBLE FROM THE SURFACE, HAS BEEN TAKEN FROM THE RECORDS AND FIELD LOCATIONS OF THE VARIOUS UTILITY COMPANIES AND HAS NOT BEEN FIELD VERIFIED. THESE LOCATIONS ARE NOT TO BE CONSTRUED AS ACCURATE OR EXACT.
5. ALL RIGHT OF WAY STATION/OFFSET CALLOUTS ARE BASED UPON THE SURVEY C S OUTER RD 50 ALIGNMENT, UNLESS OTHERWISE NOTED.



S OUTER RD 50 RIGHT OF WAY PLAN
SHEET 1 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 1-6

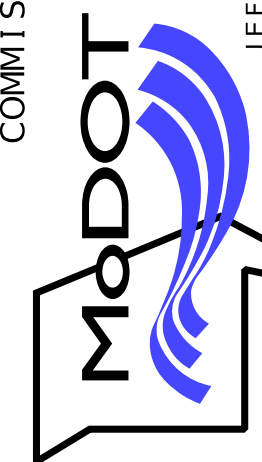
COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.	.
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BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Burns & McDonnell Engineering Co., Inc.

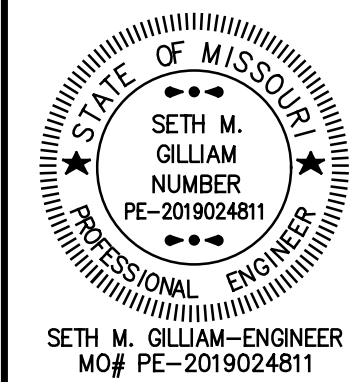
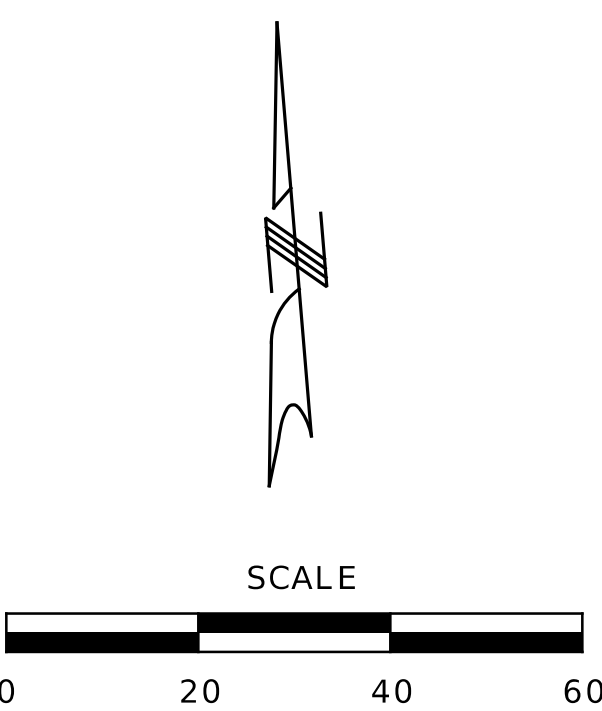
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMCd Project No. 174872

BMcD Project No. 174872





DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 17

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

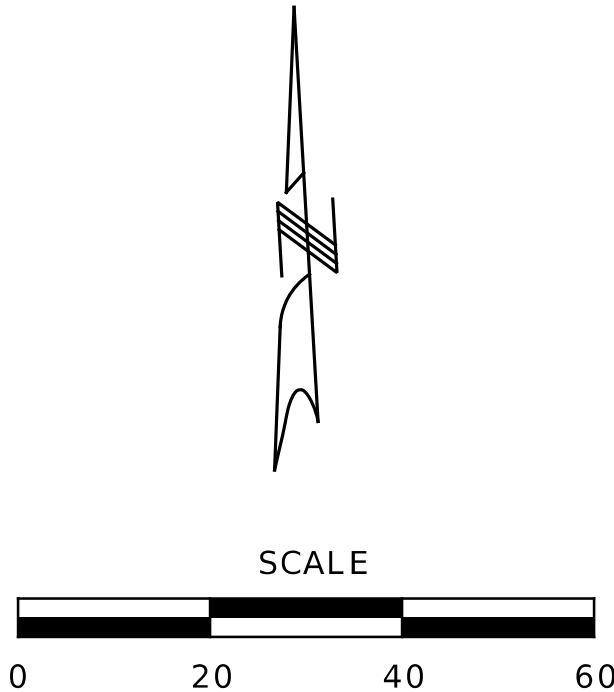
MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

**BURNS
MCDONNELL**
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
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Certificate of Authority
No. : 000165



3McD Project No. 174872



DATE PREPARED
9/24/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 18

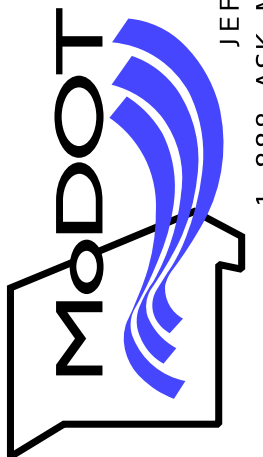
COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

JEFFERSON CITY, MO 65102

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

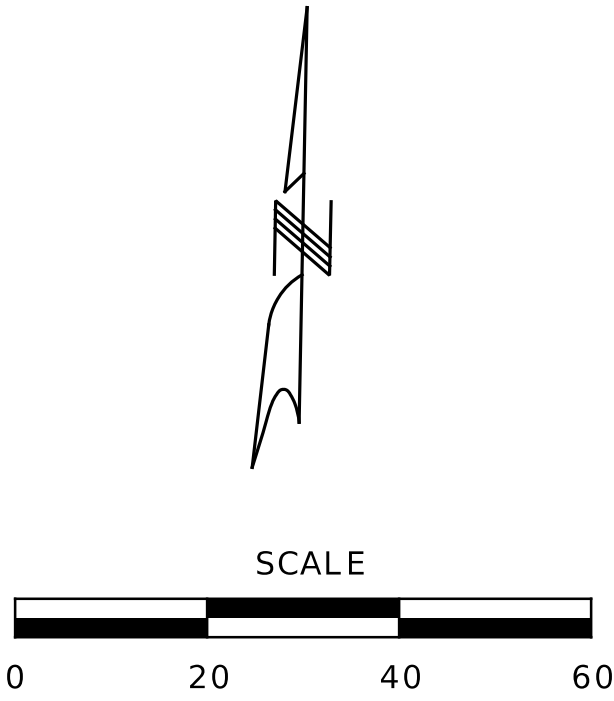
Certificate of Authority
No. : 000165

BMcD Project No. 174872



BMcD Project No. 174872

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SETH M. GILLIAM-ENGINEER
MO# PE-2019024811

DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 1-9

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.	.
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BRIDGE NO.

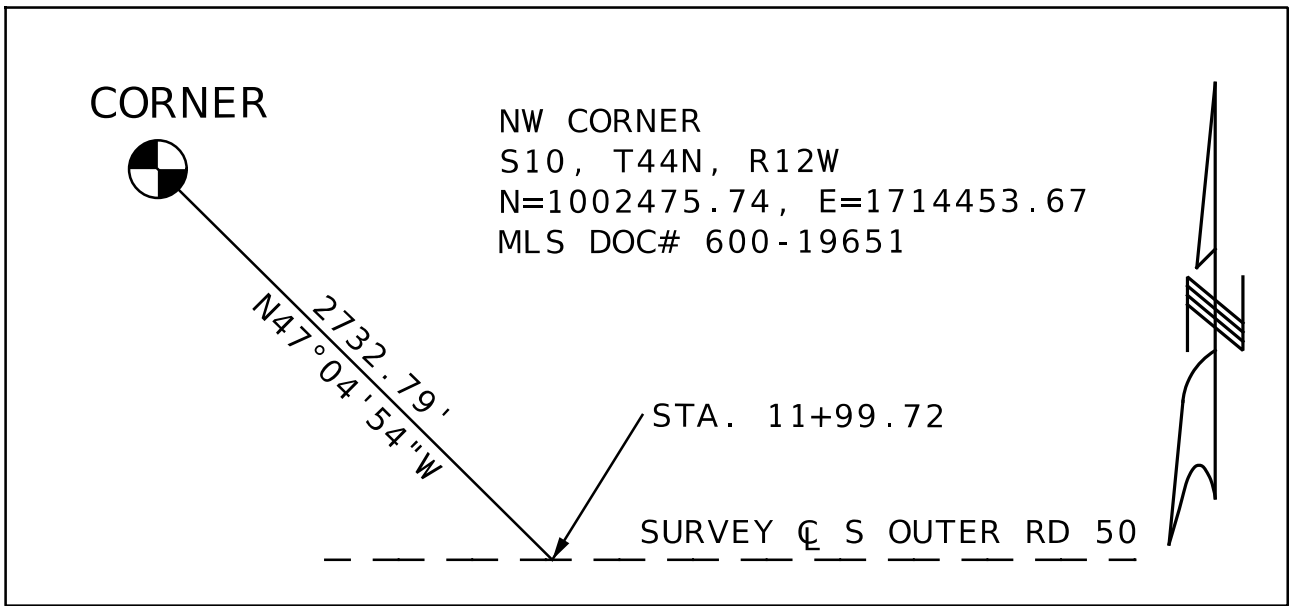
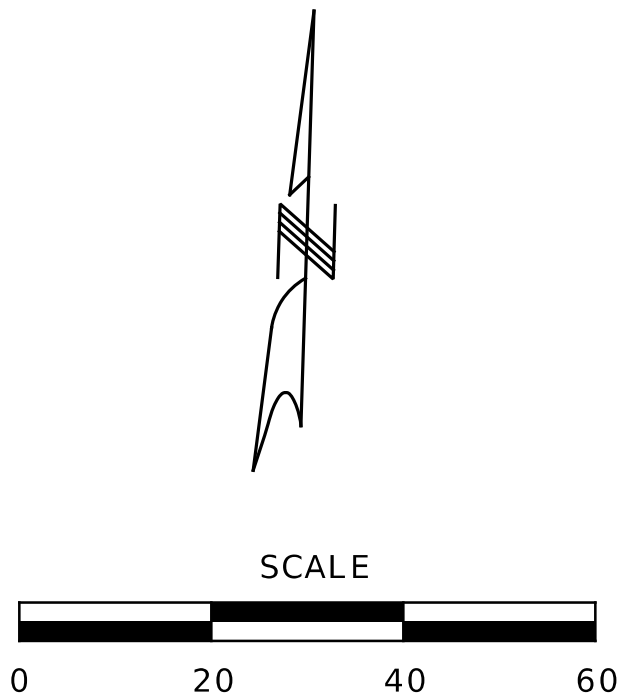
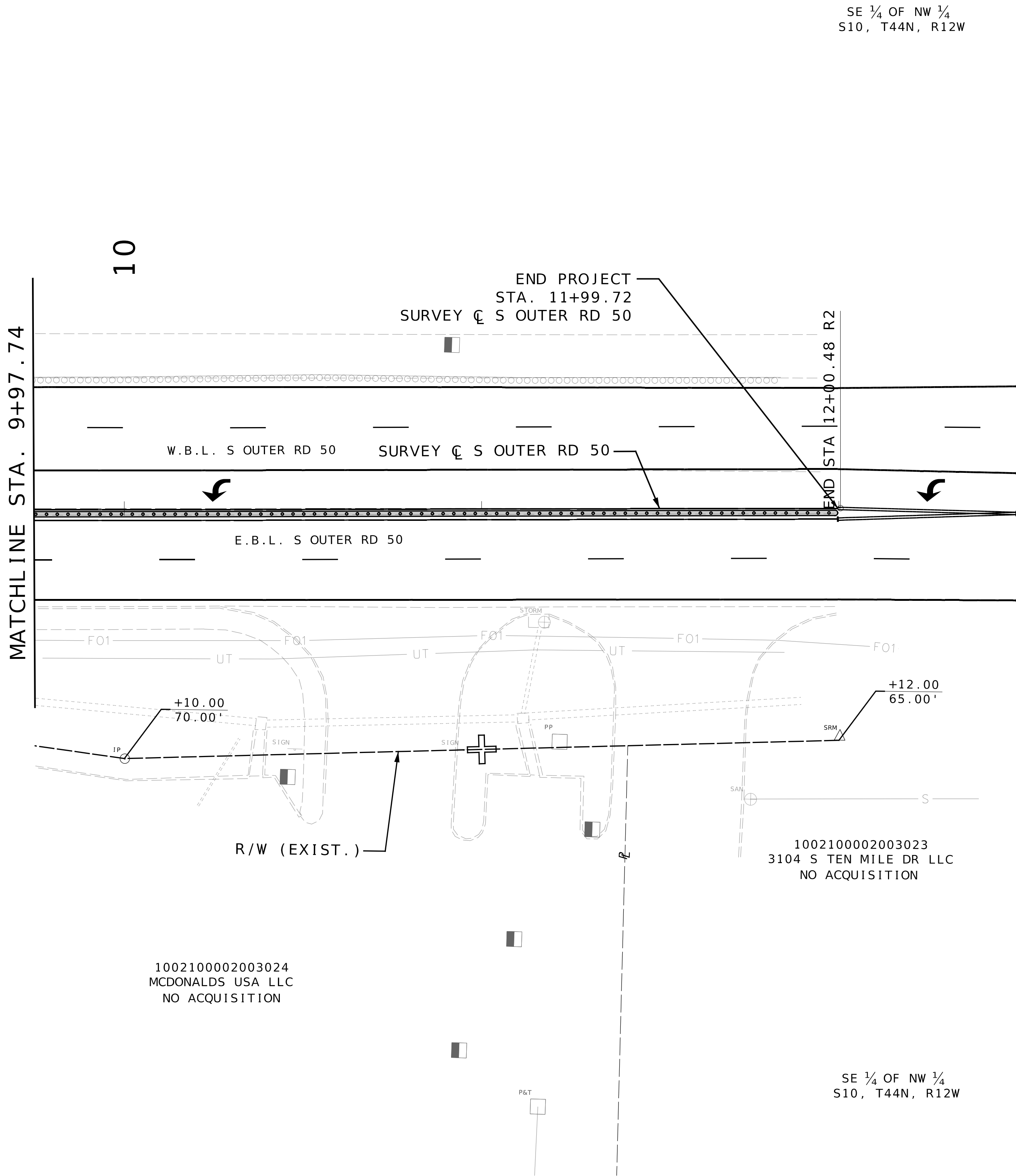
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

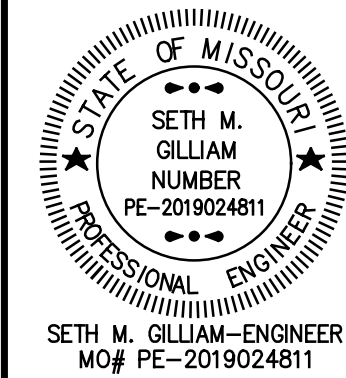
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

**BURNS
MCDONNELL**
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165



- LEGEND**
- CONCRETE WIDENING
 - CONCRETE PAVEMENT
 - CONCRETE SIDEWALK
 - LANDING
 - RAMP
 - SIDEWALK
 - TRANSITION

S OUTER RD 50 RIGHT OF WAY PLAN
SHEET 5 OF 5



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 20
COUNTY COLE	
JOB NO. J5S3418	
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)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

**BURNS
MCDONNELL**

NOTES:

1. REMOVAL OF EXISTING PAVEMENT IS INCLUDED IN CLASS A EXCAVATION QUANTITIES.
2. SAW CUTS FOR REQUIRED FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE COST OF REMOVAL OF IMPROVEMENTS.
3. STATION CALLOUTS ARE BASED ON THE $\frac{1}{2}$ S OUTER RD ALIGNMENT.
4. UTILITIES: THE INFORMATION CONCERNING LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON WHICH ARE NOT VISIBLE FROM THE SURFACE, HAS BEEN TAKEN FROM THE RECORDS AND FIELD LOCATIONS OF THE VARIOUS UTILITY COMPANIES AND HAS NOT BEEN FIELD VERIFIED. THESE LOCATIONS ARE NOT TO BE CONSTRUED AS ACCURATE OR EXACT.

SE $\frac{1}{4}$ OF NE $\frac{1}{4}$
S9, T44N, R12W

SW $\frac{1}{4}$ OF NW $\frac{1}{4}$
S10, T44N, R12W



10

START STA 10+00.00

BEGIN PROJECT
STA. 11+81.67
 $\frac{1}{2}$ S OUTER RD 50

$\frac{1}{2}$ S OUTER RD 50

W.B.L. S OUTER RD 50

E.B.L. S OUTER RD 50

(R) CONCRETE
PAVEMENT 17 SY

SAWCUT 89 LF

S.L.

MATCHLINE STA. 12+70.00

R/W (EXIST.)

SE $\frac{1}{4}$ OF NE $\frac{1}{4}$
S9, T44N, R12W

SW $\frac{1}{4}$ OF NW $\frac{1}{4}$
S10, T44N, R12W

S OUTER RD 50
REMOVAL OF IMPROVEMENTS
SHEET 1 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50
DISTRICT CD
STATE MO
SHEET NO. 23

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION

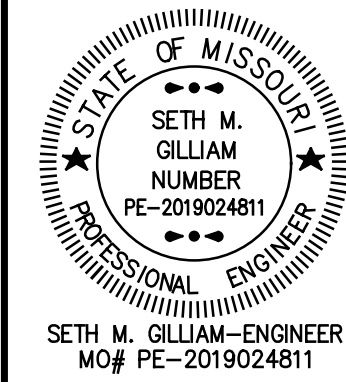
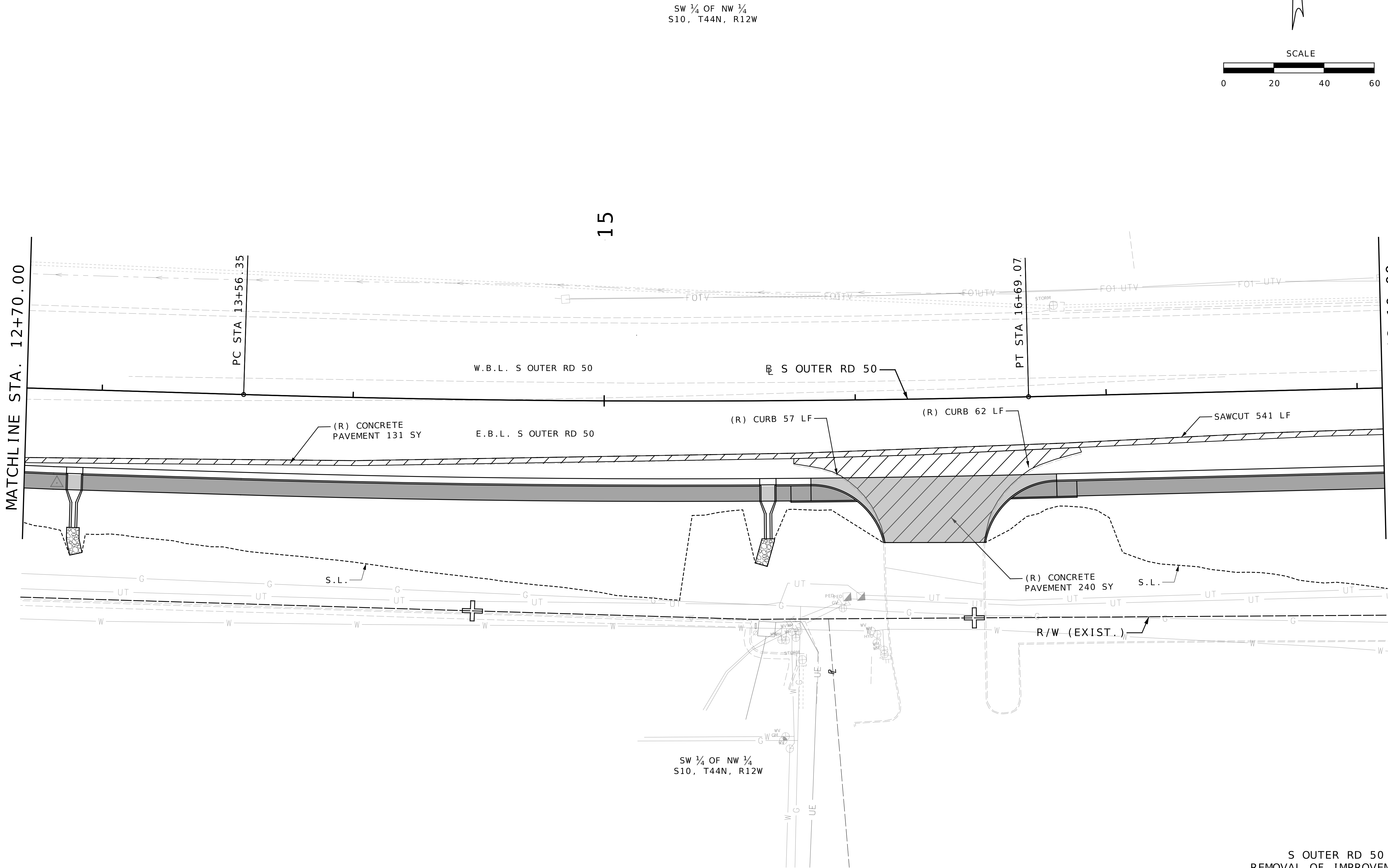
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 24
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

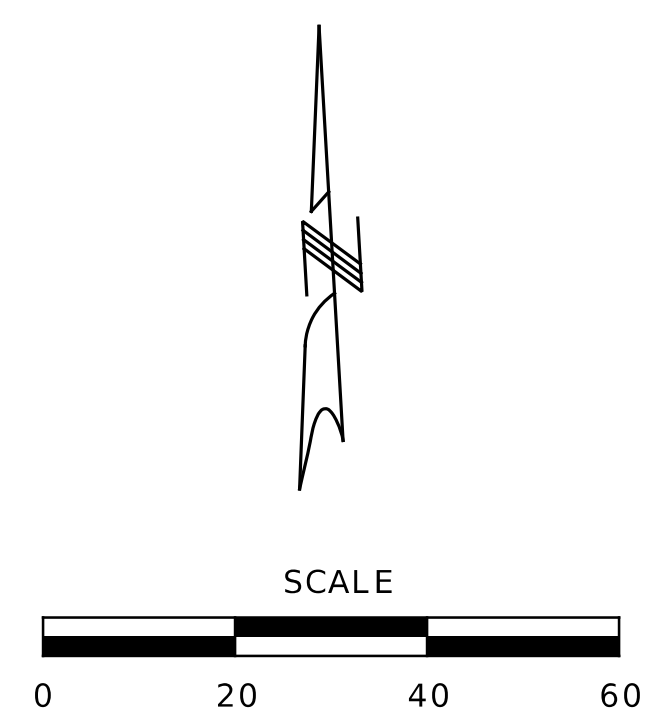
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

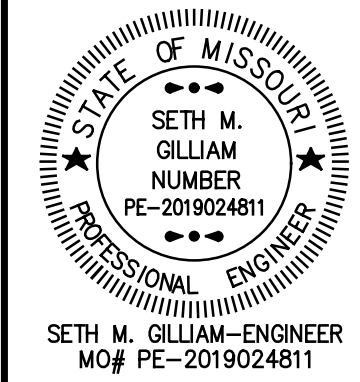
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

**BURNS
MCDONNELL**

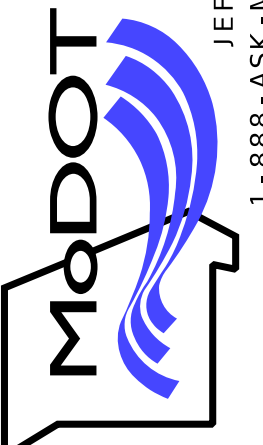


S OUTER RD 50
REMOVAL OF IMPROVEMENTS
SHEET 3 OF 5



DATE PREPARED	
9/15/2025	
ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	25
COUNTY	
COLE	
JOB NO.	
J5S3418	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	

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)

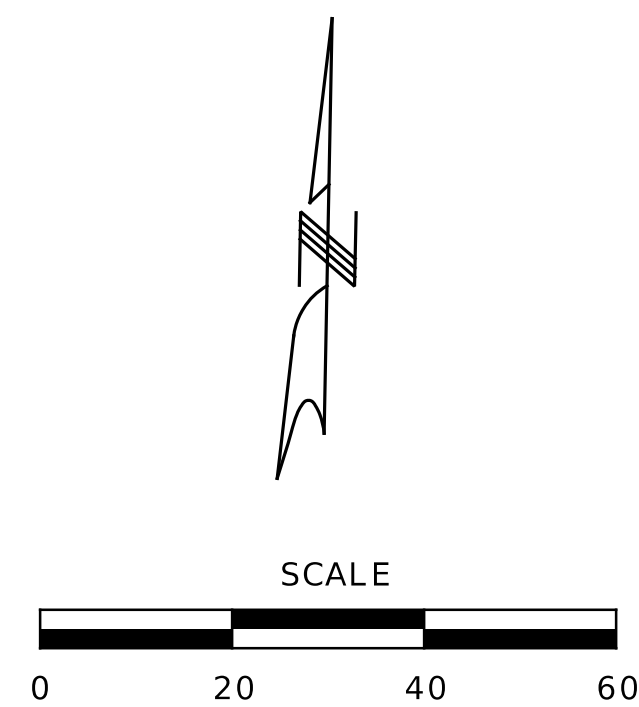
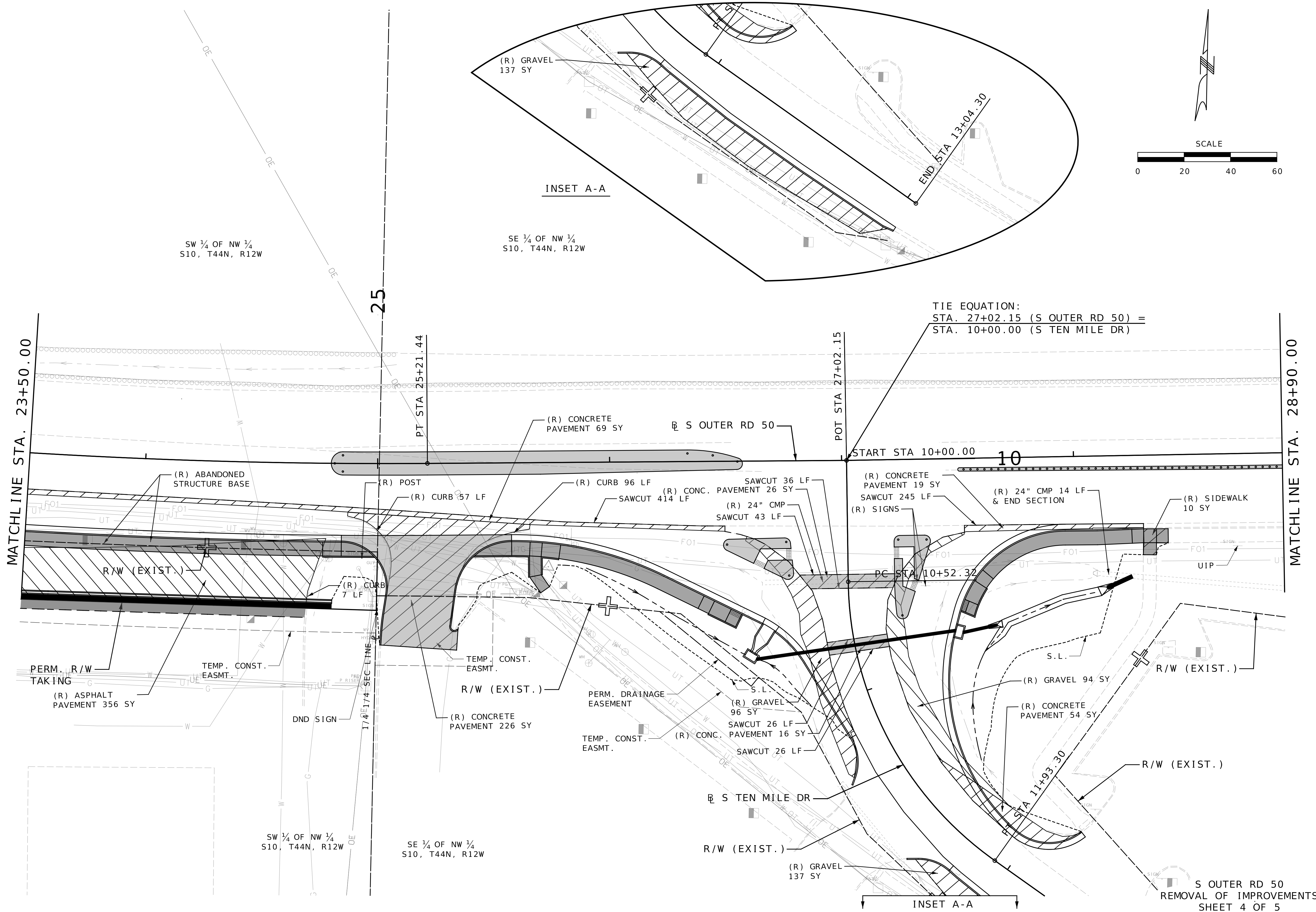
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Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 174872



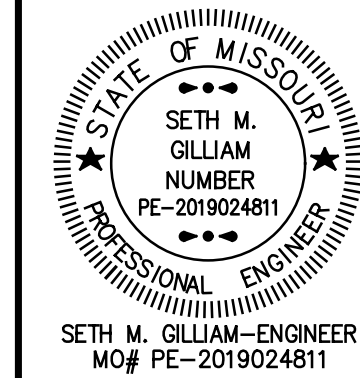


INSET A-A

TIE EQUATION:
STA. 27+02.15 (S OUTER RD 50) =
STA. 10+00.00 (S TEN MILE DR)

MATCHLINE STA. 28+90.00

MATCHLINE STA. 23+50.00



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 26
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

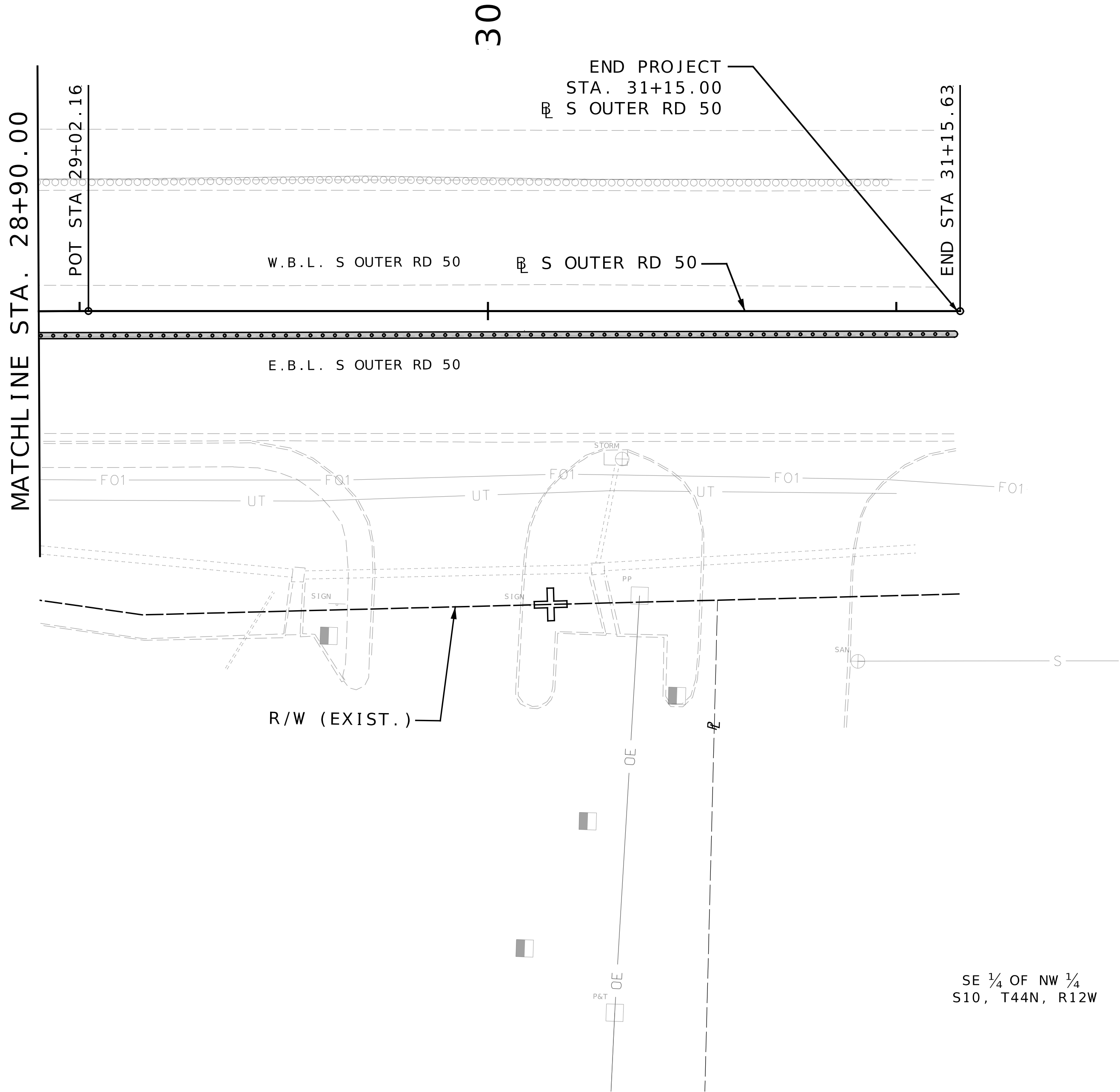
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Burns & McDonnell Engineering Co., Inc.

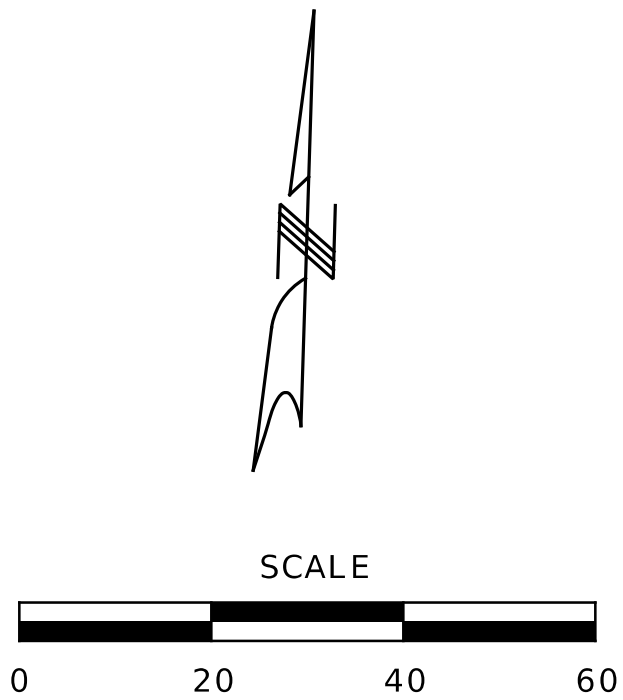
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

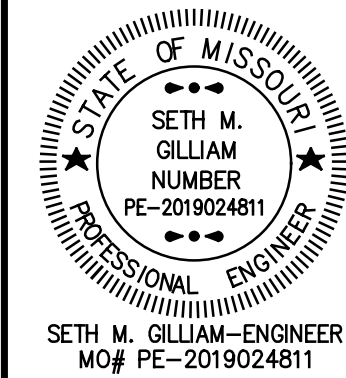


SE 1/4 OF NW 1/4
S10, T44N, R12W

SE 1/4 OF NW 1/4
S10, T44N, R12W



S OUTER RD 50
REMOVAL OF IMPROVEMENTS
SHEET 5 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 27

COUNTY
COLE

JOB NO.
J5S3418

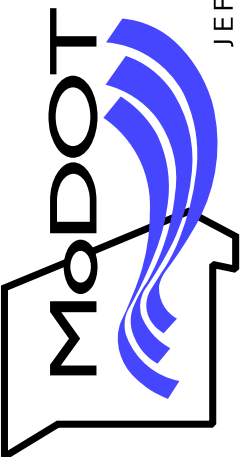
CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



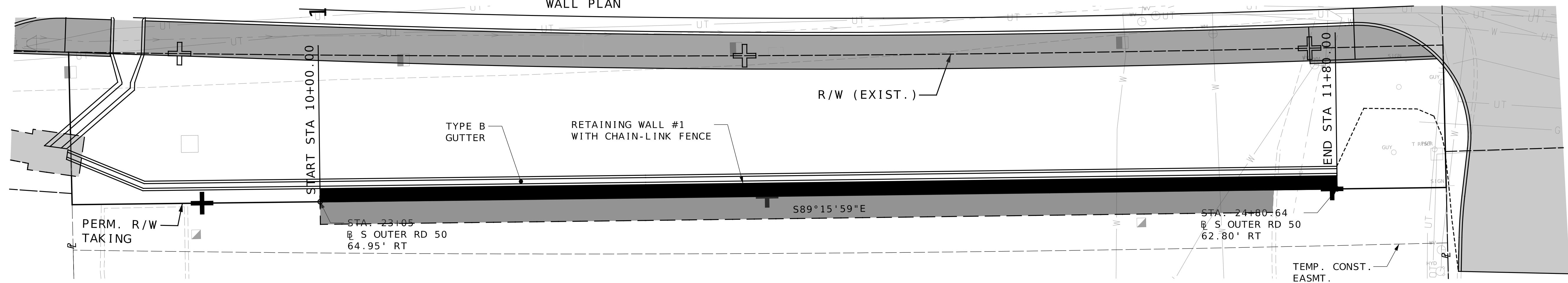
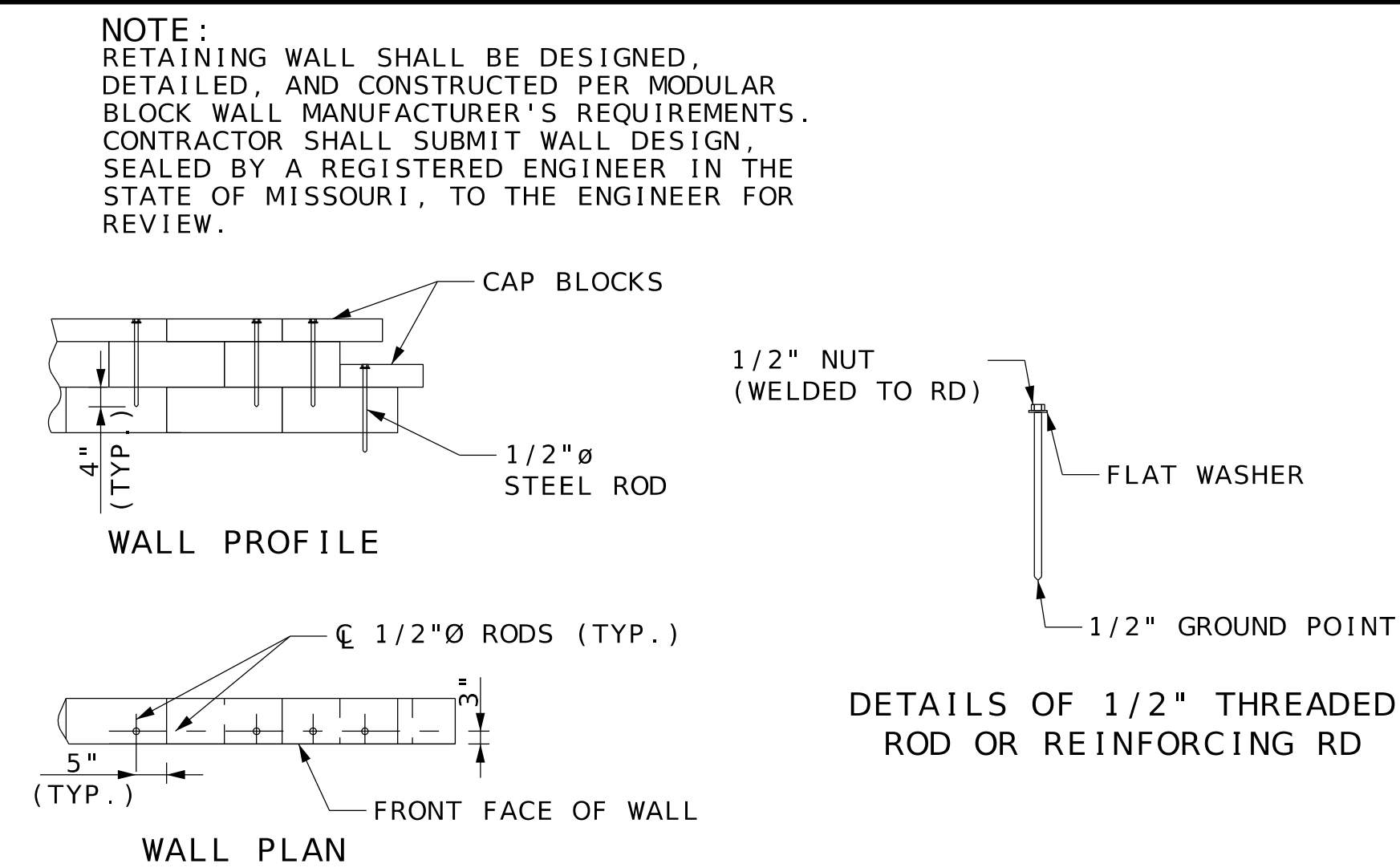
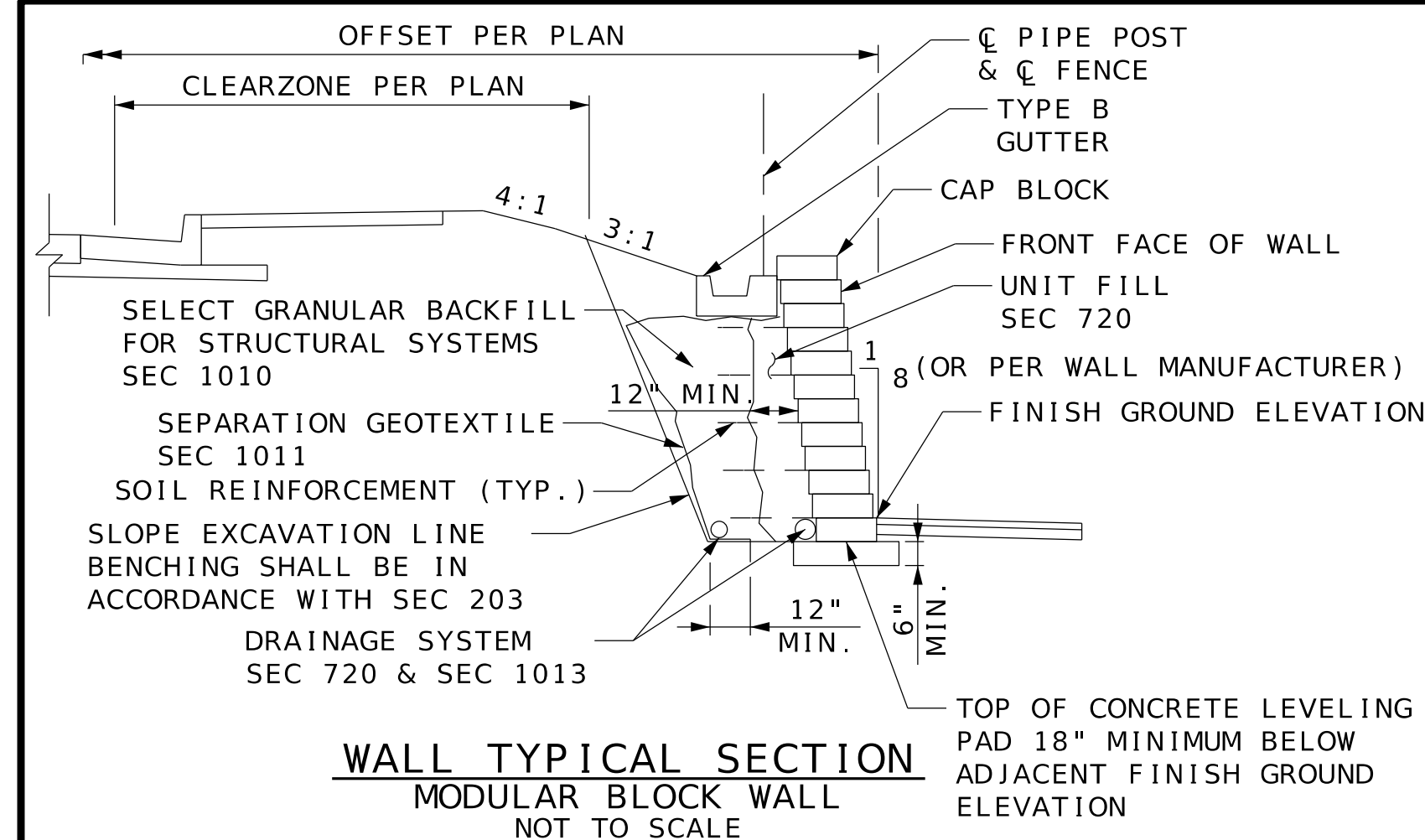
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

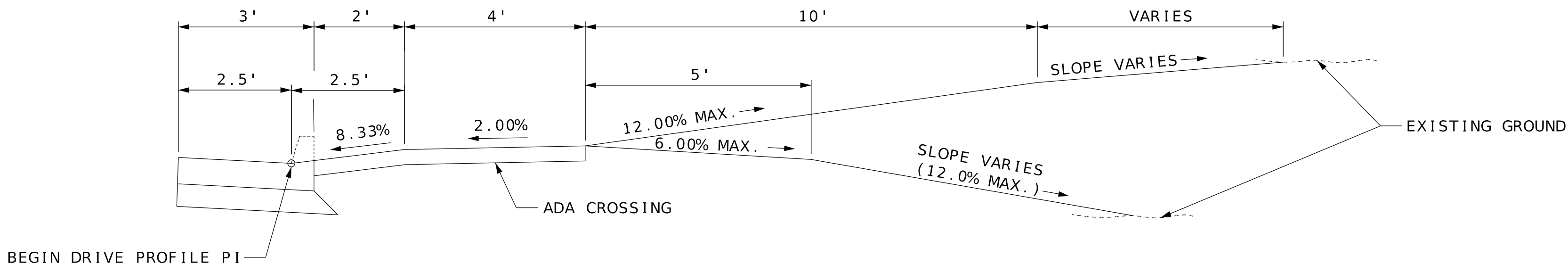
BMcd Project No. 174872



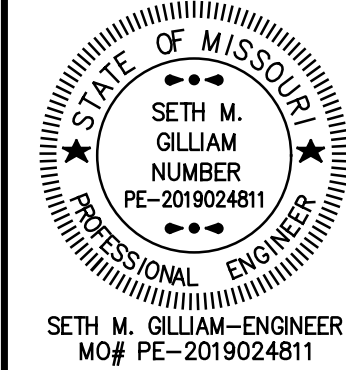


780	GENERAL NOTES: DESIGN SPECIFICATIONS: 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH ED.) 2023 AASHTO GUIDE SPECIFICATIONS FOR LRFD BRIDGE DESIGN (3RD ED.) SEISMIC DESIGN CATEGORY = B (SEISMIC ZONE - 2) (SEISMIC ANALYSIS) DESIGN EARTHQUAKE RESPONSE SPECTRAL ACCELERATION COEFFICIENT AT 1.0 SECOND PERIOD, S_a < 0.15 = 0.097 ACCELERATION COEFFICIENT (EFFECTIVE PEAK GROUND ACCELERATION COEFFICIENT), A_g = 0.07	TOTAL UNIT WEIGHT, γ_r = (95% COMPACTION) X (MAXIMUM DRY DENSITY) X (1 + OPTIMUM WATER CONTENT) DESIGN ϕ_r = 34° FOR THE SELECT GRANULAR BACKFILL (REINFORCED BACKFILL) FOR STRUCTURAL SYSTEMS. CONTRACTOR SHALL INCLUDE DESIGN ϕ_r (ACTUAL ϕ_r > 34°) AND THE TOTAL UNIT WEIGHT, γ_r, FOR THE SELECT GRANULAR BACKFILL (REINFORCED BACKFILL AND WEDGE AREA BACKFILL) FOR STRUCTURAL SYSTEMS ON SHOP DRAWINGS. CONTRACTOR SHALL IDENTIFY SOURCE OF SELECT GRANULAR BACKFILL MATERIAL, SUBMIT PROCTOR IN ACCORDANCE WITH AASHTO T 99 (ASTM D698) AND GRADATION WITH THE SHOP DRAWINGS. WHEN BACKFILL MATERIAL IS TOO COARSE TO DEVELOP A PROCTOR CURVE THE CONTRACTOR SHALL DETERMINE THE MAXIMUM DRY DENSITY (RELATIVE DENSITY) IN ACCORDANCE WITH ASTM D4253 AND ASTM D4254 AND ASSUME PERCENT PASSING THE 200 SIEVE FOR OPTIMUM WATER CONTENT.	EXCAVATION: EXCAVATION QUANTITIES AND PAY ITEMS ARE GIVEN ON THE ROADWAY PLANS. EXCAVATION QUANTITIES DO NOT INCLUDE ANY ASSUMED ADDITIONAL EXCAVATION FOR SOIL REINFORCEMENT. THE SOIL REINFORCEMENT LENGTH MAY VARY BASED UPON THE WALL DESIGN SELECTED BY THE CONTRACTOR. PLAN EXCAVATION QUANTITIES WILL BE PAID REGARDLESS OF ANY ACTUAL QUANTITIES REMOVED BASED ON THE SOIL REINFORCEMENT LENGTH AND DESIGN SELECTED. THE MSE WALL SYSTEM SHALL BE BUILT IN ACCORDANCE WITH SEC 720. THE MSE WALL SYSTEM SHALL BE A WETCAST MODULAR BLOCK WALL SYSTEM.	THE TOP AND BOTTOM ELEVATIONS ARE GIVEN FOR A VERTICAL WALL. THE HEIGHT OF THE WALL SHALL BE ADJUSTED AS NECESSARY TO FIT THE GROUND SLOPE AND THE CONCRETE LEVELING PAD SHALL BE ADJUSTED AS NECESSARY TO ACCOUNT FOR THE WALL BATTER. IF A FENCE IS BUILT ON AN EXTENDED GUTTER, THEN THE HEIGHT OF THE WALL SHALL BE ADJUSTED FURTHER.	ALL STEEL SOIL REINFORCEMENTS SHALL BE SEPARATED FROM OTHER METALLIC ELEMENTS BY AT LEAST 3 INCHES. THE SPLAY ANGLE SHOULD BE LESS THAN 15° AND TENSILE CAPACITY OF SPLAYED REINFORCEMENT SHALL BE REDUCED BY THE COSINE OF THE SPLAY ANGLE. SOIL REINFORCEMENT SHALL CLEAR THE OBSTRUCTION BY AT LEAST 3 INCHES. NO REINFORCEMENT SHALL BE LEFT UNCONNECTED TO THE WALL FACE OR ARBITRARILY CUT/BENT IN THE FIELD TO AVOID THE OBSTRUCTION. WHERE INTERFERENCE BETWEEN THE VERTICAL OBSTRUCTION AND THE SOIL REINFORCEMENT IS UNAVOIDABLE, THE DESIGN OF THE WALL NEAR THE OBSTRUCTION MAY BE MODIFIED USING ONE OF THE ALTERNATIVES IN FHWA-NGI-10-024, SECTION 5.4.2. SHOW DETAIL LAYOUT ON THE DRAWINGS. FOR WALL DESIGNS WITH HORIZONTAL OBSTRUCTIONS IN REINFORCED SOIL MASS, SEE FHWA-NHI-10-024, SECTION 5.4.3.	780
775						775
770	DESIGN LOADING: FOR STRENGTH LIMIT STATE AND EXTREME EVENT LIMIT STATE, THE WALL DESIGNER TO CONFIRM THAT THE MINIMUM CAPACITY TO DEMAND RATIO(CDR) FOR BEARING, SLIDING, OVERTURNING, ECCENTRICITY, AND INTERNAL STABILITY IS GREATER THAN OR EQUAL TO 1.0. MSE WALL DESIGNER SHALL INCLUDE THIS NOTE ON SHOP DRAWINGS. FOR EXTREME EVENT I LIMIT STATE, THE WALL DESIGNER SHALL DESIGN WALL FOR $\gamma_{EQ} = -0.5$ $\phi_b = 33^\circ$ AND UNIT WEIGHT, $\gamma_b = 135$ PCF FOR RETAINED BACKFILL MATERIAL TO BE RETAINED BY THE MECHANICALLY STABILIZED EARTH WALL SYSTEM. $\phi_f = 18^\circ$ FOR UNIMPROVED FOUNDATION GROUND WHERE WALL IS TO BEAR. FOR UNIMPROVED FOUNDATION GROUND, NOMINAL BEARING RESISTANCE IS 6.0 KSF.	SEISMIC ANALYSIS PROVISIONS SHALL NOT BE IGNORED FOR MSE WALL DESIGN. DESIGN UNIT STRESSES: ALL CONCRETE FOR LEVELING PAD SHALL BE CLASS B OR B-1 WITH $f'_c = 4000$ PSI. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE FOR PRECAST MODULAR (WETCAST) BLOCK SHALL BE 4,000 PSI IN ACCORDANCE WITH SEC 1052.	PRECAST MODULAR PANEL, DRYCAST MODULAR BLOCK, WETCAST MODULAR BLOCK AND COPING (OR CAPSTONE) REINFORCEMENT SHALL BE EPOXY COATED. A FILTER CLOTH MEETING THE REQUIREMENTS FOR A SEPARATION GEOTEXTILE MATERIAL SHALL BE PLACED BETWEEN THE SELECT GRANULAR BACKFILL FOR STRUCTURAL SYSTEMS AND THE BACKFILL BEING RETAINED BY THE MECHANICALLY STABILIZED EARTH WALL SYSTEM.	EXIST. PARKING LOT ELEVATION THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO COORDINATE CONSTRUCTION OF THE WALL WITH BRIDGE AND ROADWAY CONSTRUCTION AND ENSURE THAT THE BRIDGE AND ROADWAY CONSTRUCTION, RESULTING OR EXISTING OBSTRUCTIONS, SHALL NOT IMPACT THE CONSTRUCTION OF PERFORMANCE OF THE WALL. SOIL REINFORCEMENT SHALL BE DESIGNED AND PLACED TO AVOID DAMAGE BY PILE DRIVING, GUARDRAIL POST INSTALLATION, UTILITY AND SIGN FOUNDATIONS. (SEE ROADWAY AND BRIDGE PLANS.)	NOTE: INSTALLING THE LEVELING PAD WILL REQUIRE ROCK EXCAVATION. ROCK EXCAVATION SUBSIDIARY TO BID ITEM "MECHANICALLY STABILIZED EARTH WALL SYSTEMS".	770
765						765
760						760

NOTE:
FOR ENTRANCE DETAILS, SEE STANDARD PLANS
203.61B-203.64E, 608.00K, & 609.00P



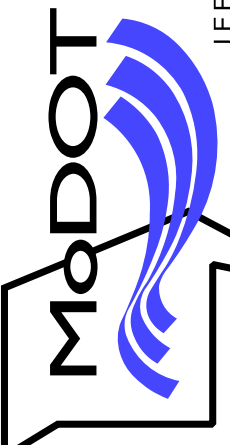
TYPICAL DRIVEWAY PROFILE - RT
0' GREEN SPACE AND 6' SIDEWALK



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 29
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

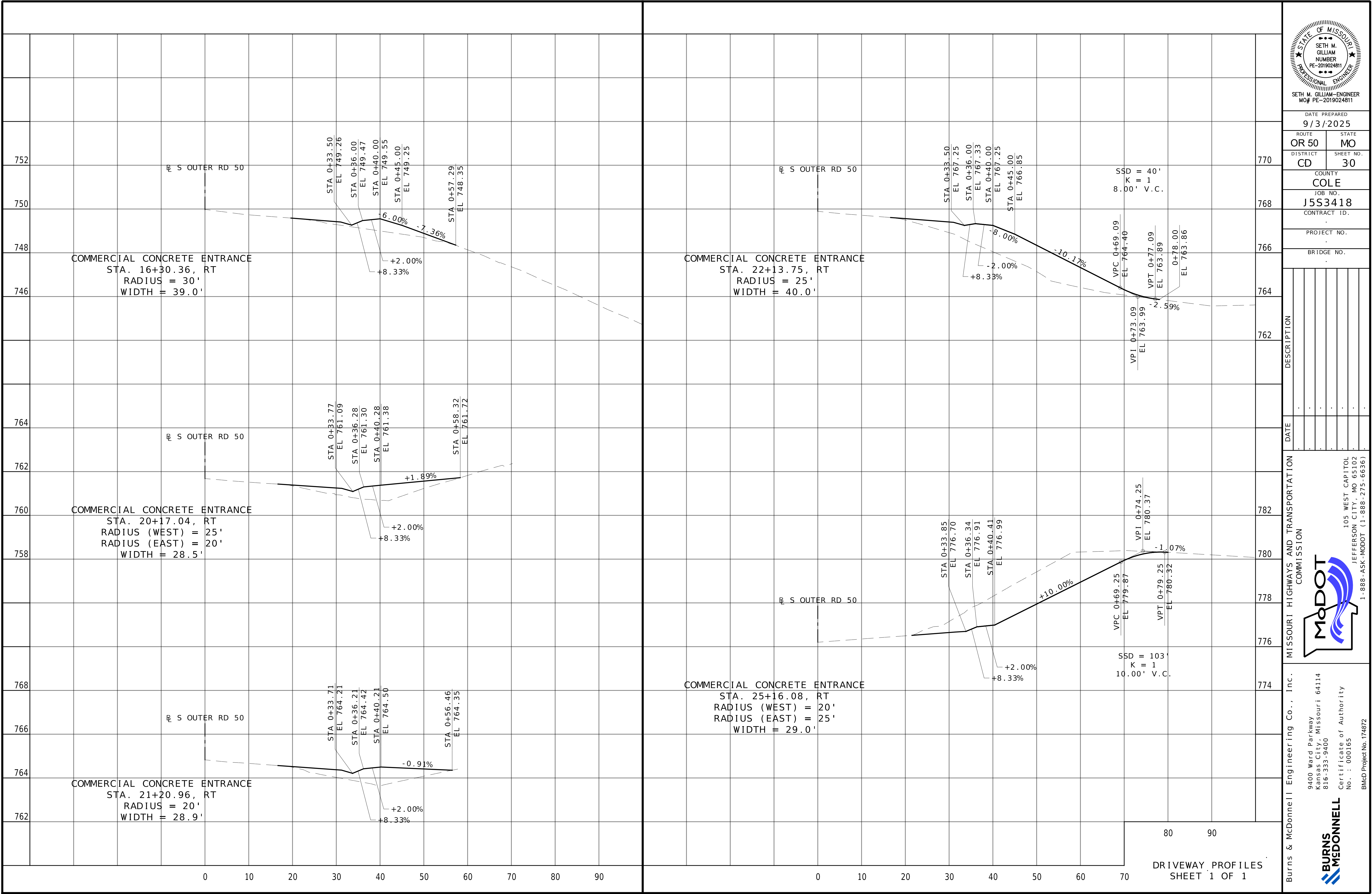


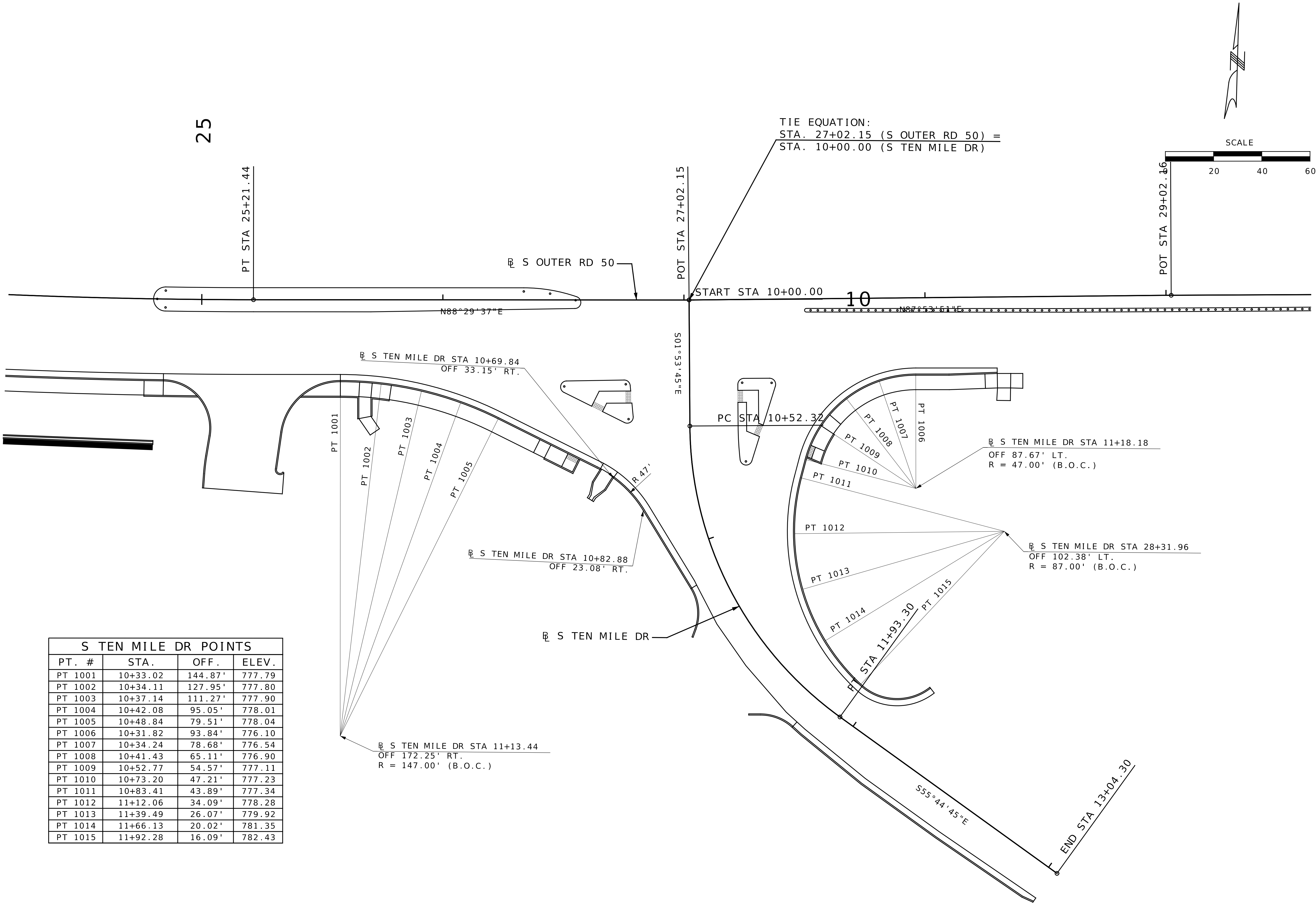
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165
BMcD Project No. 174872

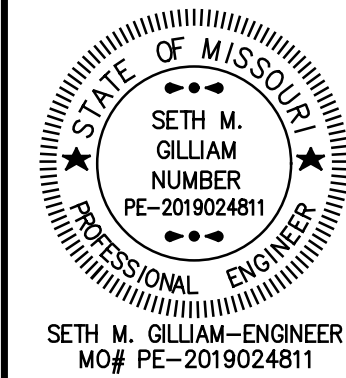
Burns & McDonnell Engineering Co., Inc.





S TEN MILE DR POINTS			
PT. #	STA.	OFF.	ELEV.
PT 1001	10+33.02	144.87'	777.79
PT 1002	10+34.11	127.95'	777.80
PT 1003	10+37.14	111.27'	777.90
PT 1004	10+42.08	95.05'	778.01
PT 1005	10+48.84	79.51'	778.04
PT 1006	10+31.82	93.84'	776.10
PT 1007	10+34.24	78.68'	776.54
PT 1008	10+41.43	65.11'	776.90
PT 1009	10+52.77	54.57'	777.11
PT 1010	10+73.20	47.21'	777.23
PT 1011	10+83.41	43.89'	777.34
PT 1012	11+12.06	34.09'	778.28
PT 1013	11+39.49	26.07'	779.92
PT 1014	11+66.13	20.02'	781.35
PT 1015	11+92.28	16.09'	782.43

INTERSECTION DETAILS
SHEET 1 OF 1



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 32
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

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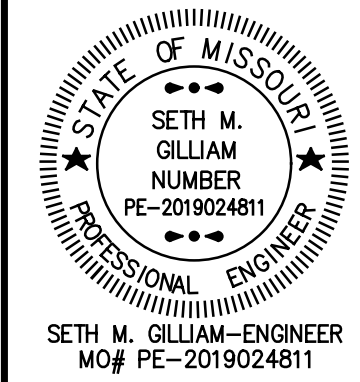
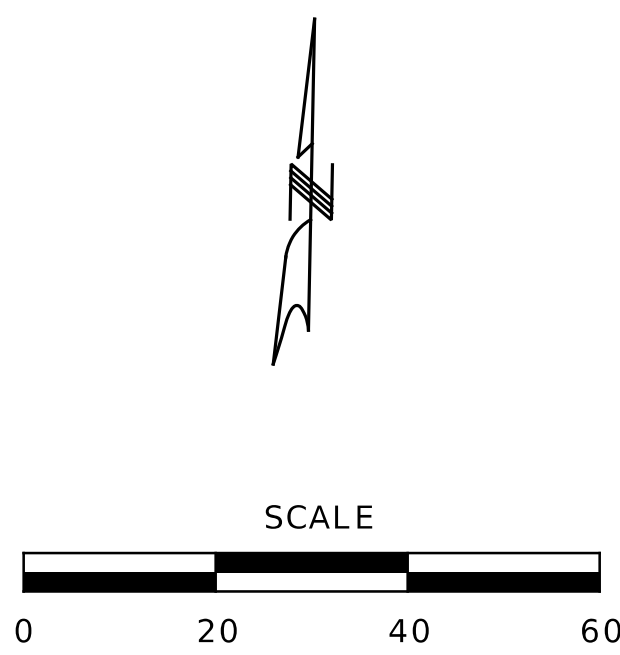
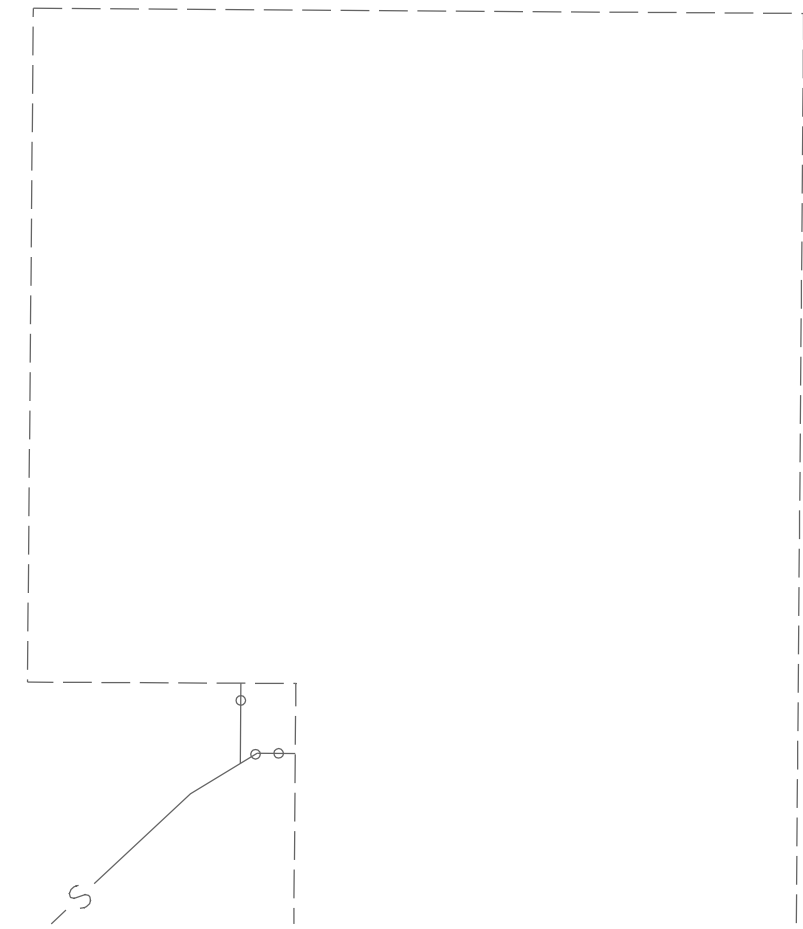
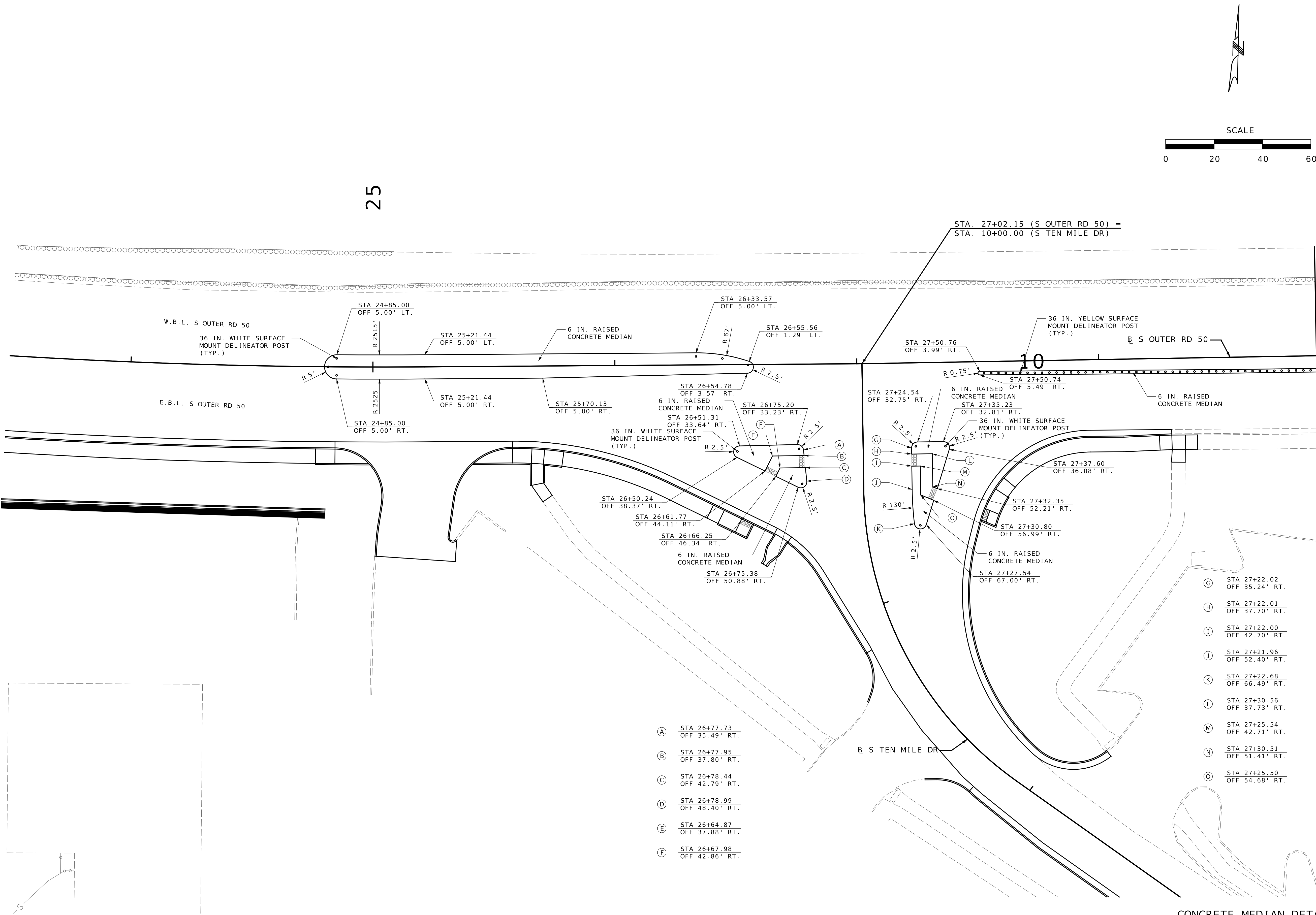
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

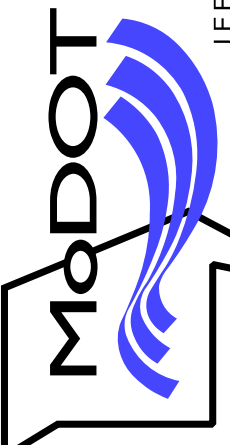
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BMcD Project No. 174872



DATE PREPARED 9/4/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 33
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



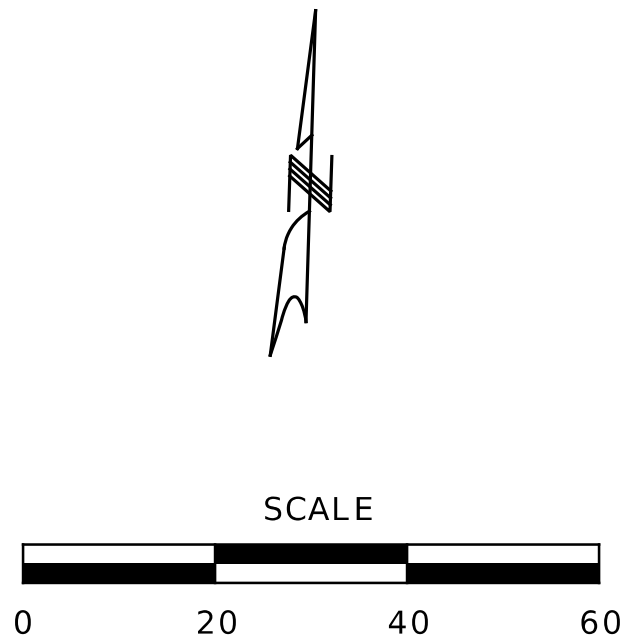
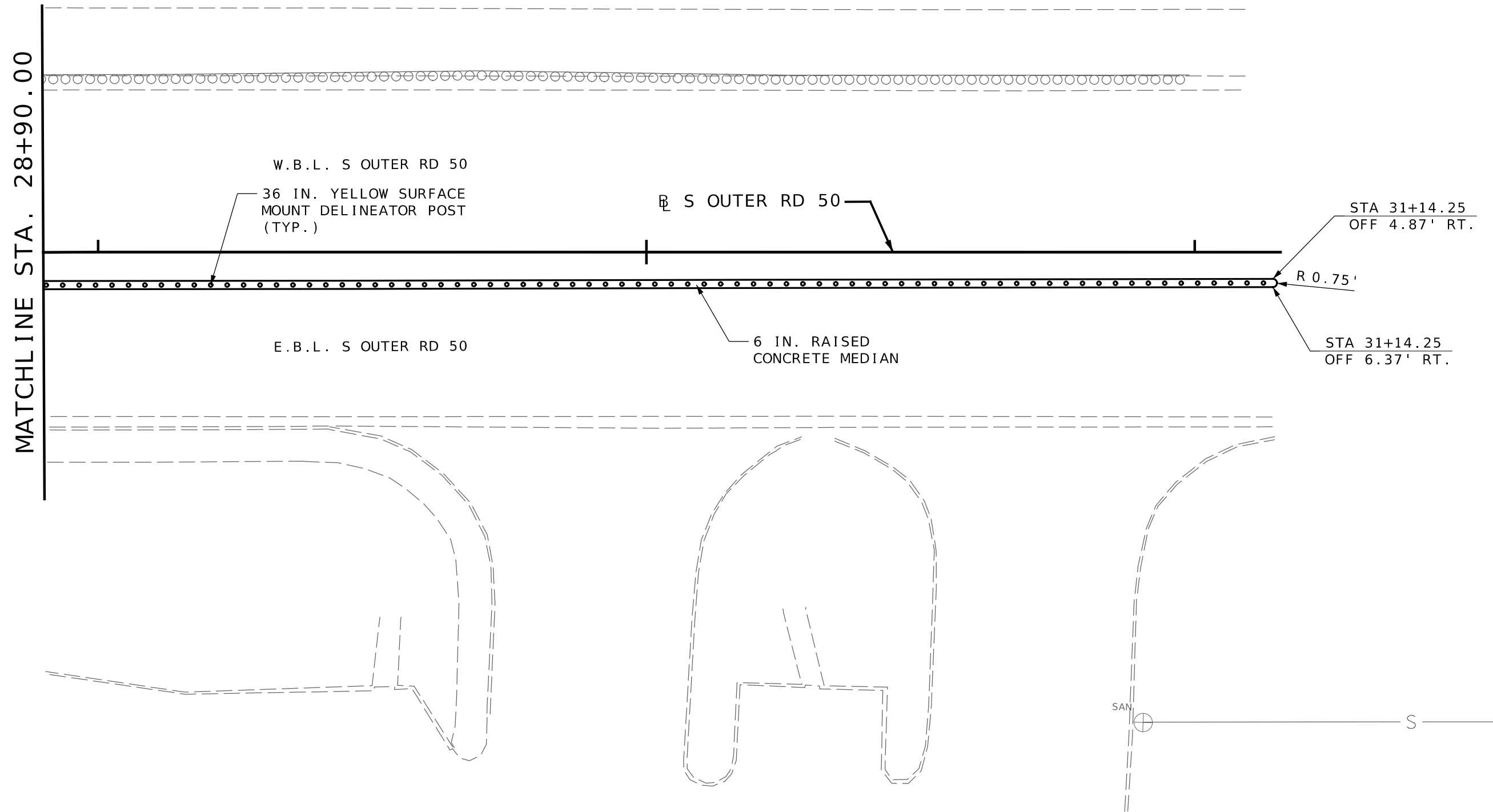
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Burns & McDonnell Engineering Co., Inc.

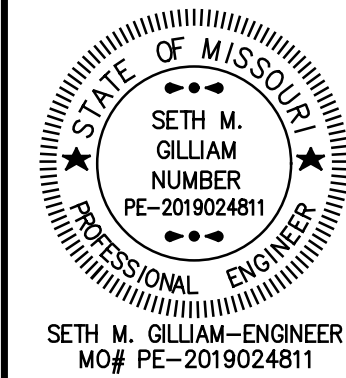
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400



Certificate of Authority
No. : 000165
BMcD Project No. 174872



CONCRETE MEDIAN DETAILS
SHEET 1 OF 2



DATE PREPARED 9/4/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 34
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

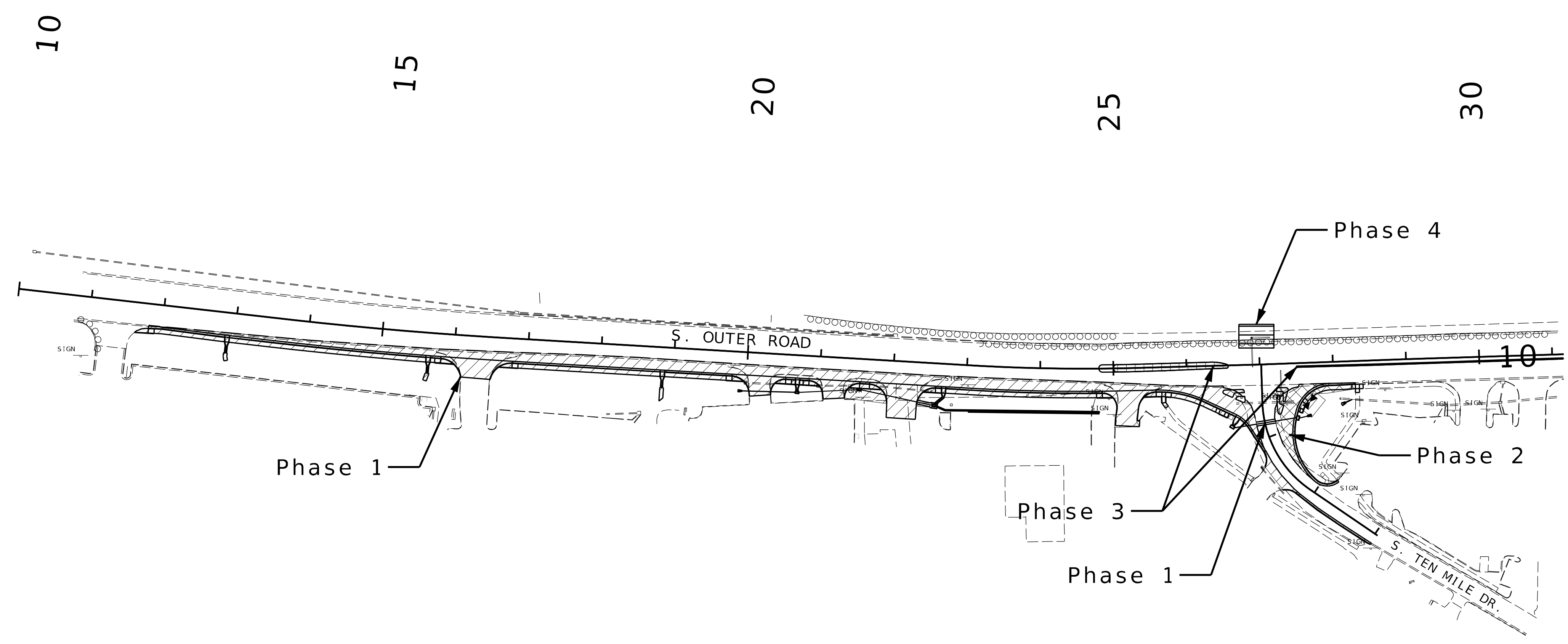
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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816-333-9400

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No. : 000165
BMcD Project No. 174872

**BURNS
MCDONNELL**



- Phase 1

Close eastbound outside lane of S. Outer Road from Sta. 10+63 to 27+03. Construct eastbound outside lane of S. Outer Road including sidewalk, drainage and roadside grading from 10+63 to 27+03. Contractor shall also construct the drainage pipe and corresponding flared end section under S. Ten Mile Drive. Contractor shall construct drives half at a time so access is maintained.
- Phase 2

Close eastbound outside lane of S. Outer Road from Sta. 27+15 to 28+32. Construct outside lane of S. Outer Road including sidewalk, drainage and roadside grading from Sta. 27+15 to 28+32.
- Phase 3

Close eastbound and westbound inside lanes of S. Outer Road from Sta. 25+00 to 31+15. Construct median in S. Outer Road from Sta. 25+00 to 31+15.
- Phase 4

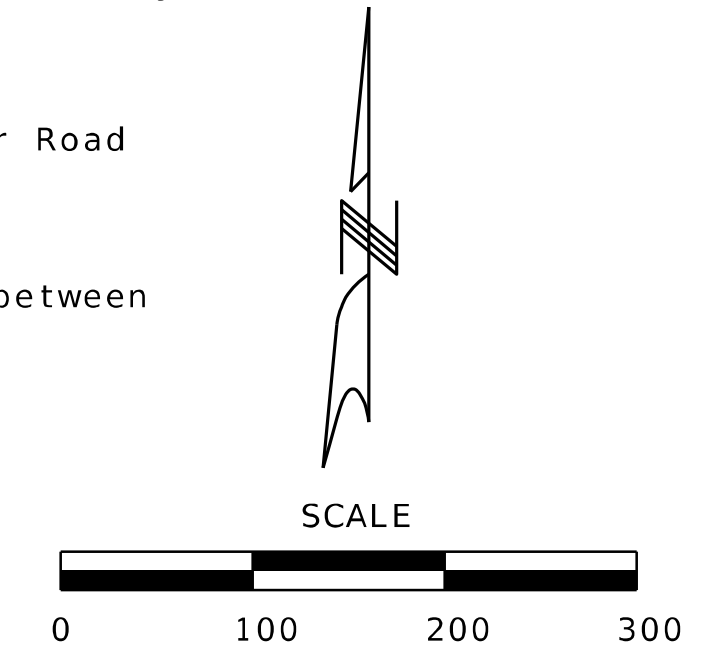
Close westbound outside lane of S. Outer Road and outside eastbound lane of US-50. Install signal pole in median between US-50 and S. Outer Road.

For other operations, refer to:

- **Mobile:**
 1. EPG 616.35M (TA-35M) Mobile Operation on Multi-Lane Highway.
- **Short Duration (60 minutes or less):**
 1. EPG 616.8.33SD (TA-33SD) Short Duration Lane Closure on a Multi-Lane Highway.
- **Long-term Stationary Operations:**
 1. EPG 616.6.2.2 Flags and Advance Warning Rail System.
 2. EPG 616.6.78 Temporary Markings.
- **Nighttime Operations:**
 1. EPG 616.6.83 Warning Lights for use of sequential lights.
- **Speed Limit Guidance:**
 1. EPG 616.12 Work Zone Speed Limits for speed limit guidelines.

Construction Notes:

1. All conflicting signs and signal heads shall be covered or bagged.



TEMPORARY TRAFFIC CONTROL
PHASING
SHEET 1 OF 7



DATE PREPARED	
8/29/2025	
ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	35
COUNTY	
COLE	
JOB NO.	
J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

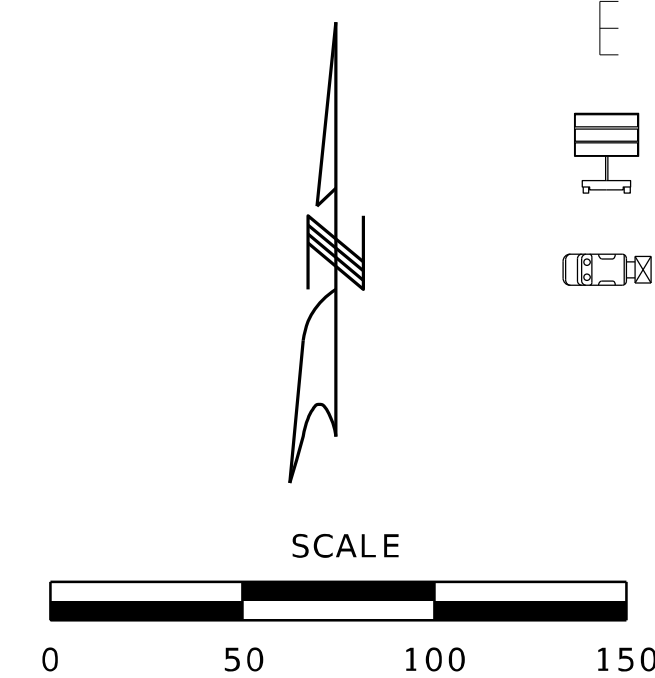
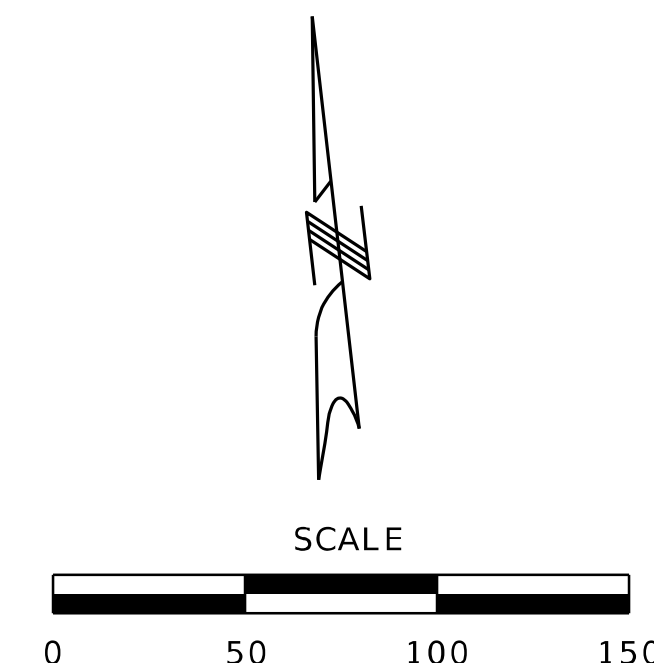
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MERGE MIDWEST ENGINEERING

MERGE MIDWEST ENGINEERING, LLC
MO CERT. OF AUTH. 2017010974
2668 W CATALPA ST.
OLATHE, KS 66061
(913) 788-1985
WWW.MERGEMIDWEST.COM

LEE BAER
PROFESSIONAL ENGINEER
PE-2021000150

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	SIGN (SINGLE SIDED)
	SIGN (DOUBLE SIDED)
	FLAGGER
	DIRECTIONAL INDICATION BARRICADE W/SEQUENTIAL FLASHING WARNING LIGHTS
	CHANNELIZER
	BARRICADE
	CHANGEABLE MESSAGE BOARD
	TRUCK MOUNTED ATTENUATOR

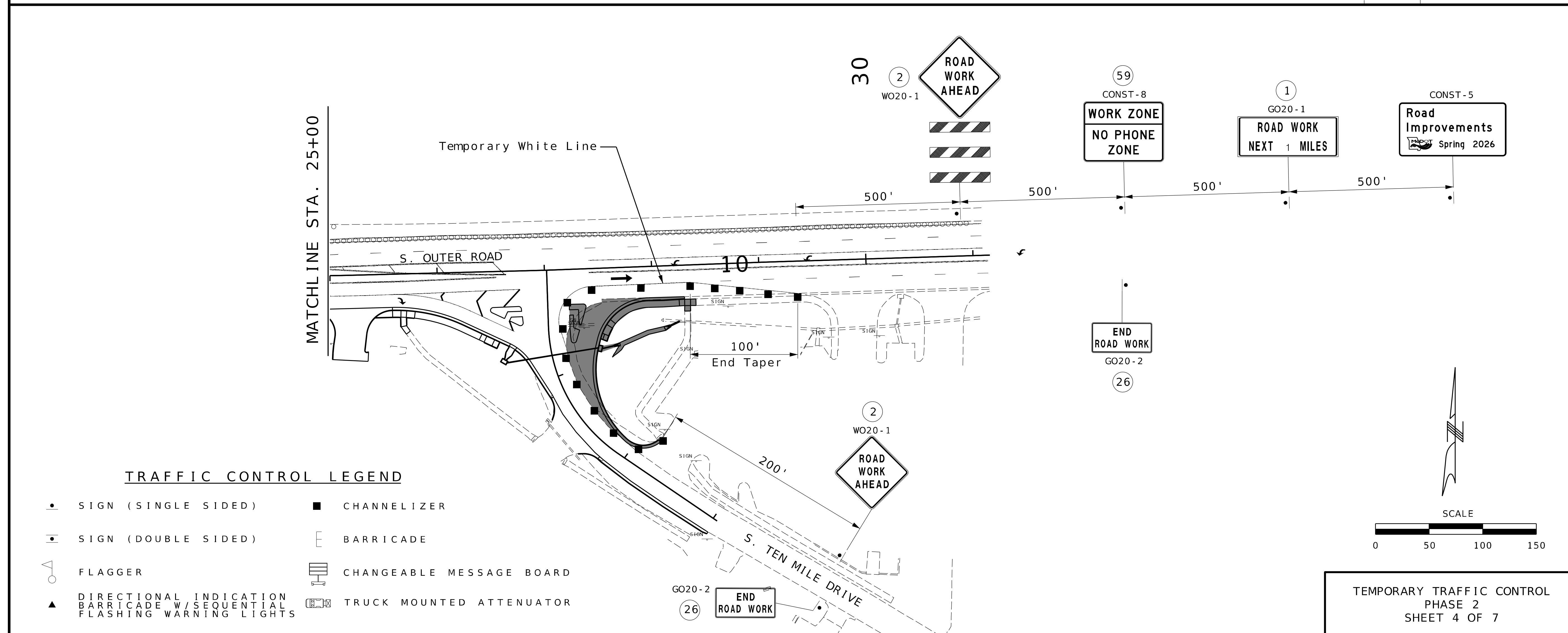
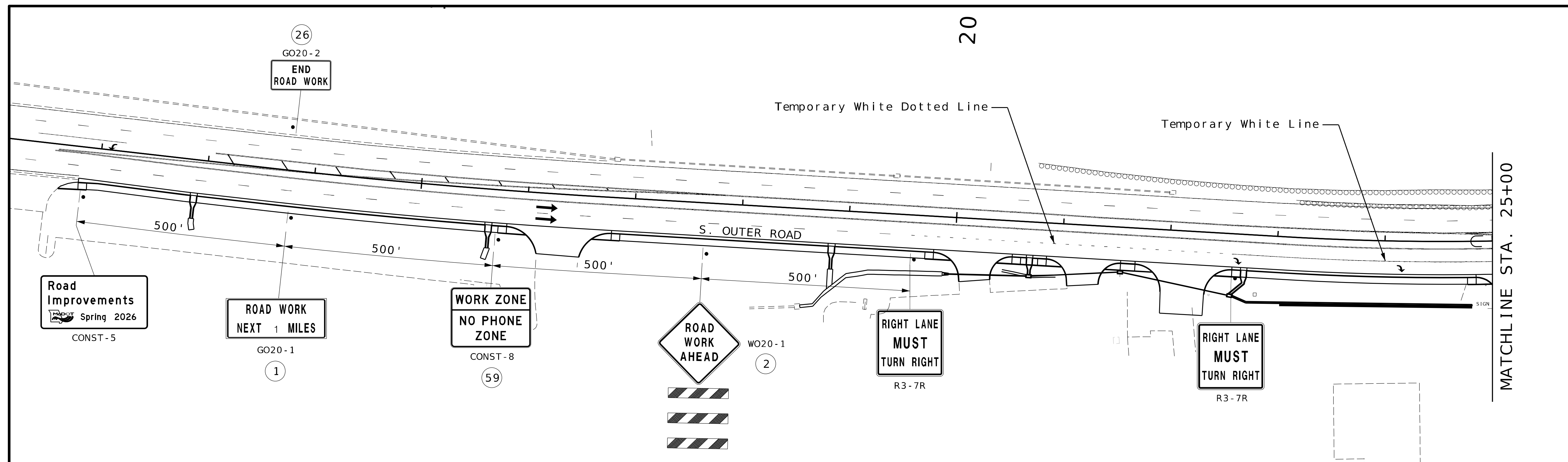
TEMPORARY TRAFFIC CONTROL
PHASE 1
SHEET 3 OF 7

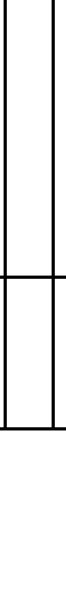
MERGE MIDWEST ENGINEERING

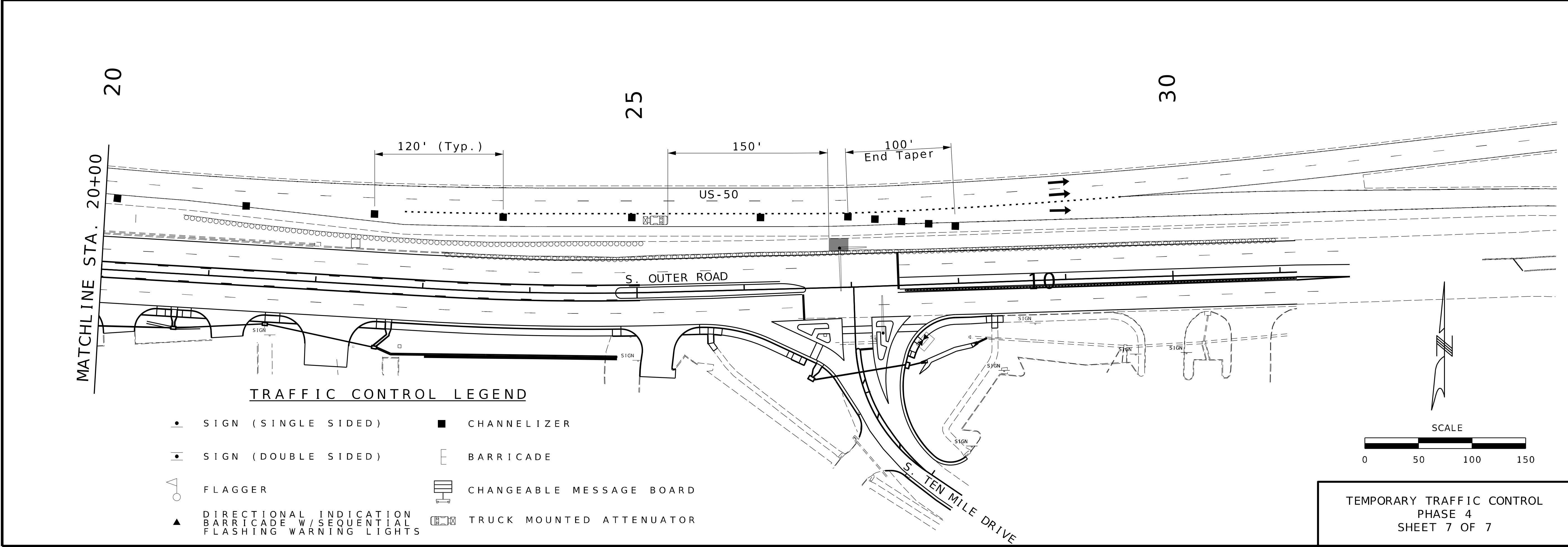
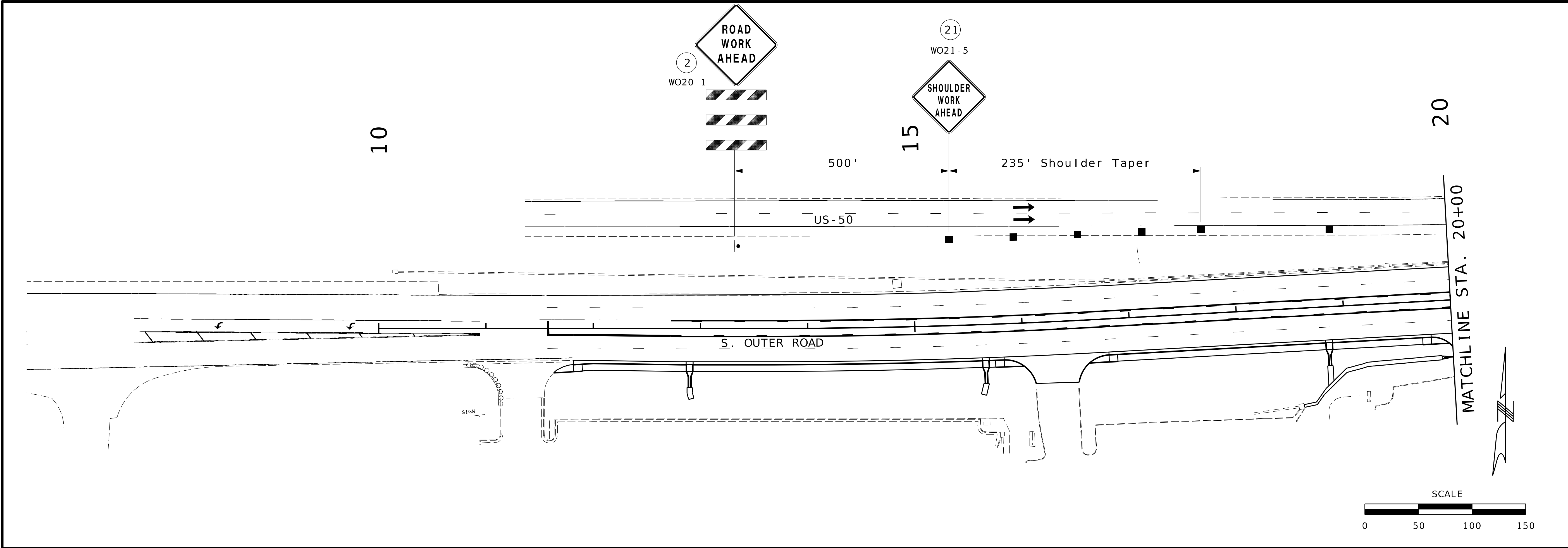
MERGE MIDWEST
ENGINEERING, LLC
MO. CERT. OF AUTH. 2017010974
2668 W CATALPA ST.
OLATHE, KS 65061
(913) 788-1985
WWW.MERGEMIDWEST.COM

LEE BAER
PROFESSIONAL
ENGINEER
PE-2021000150

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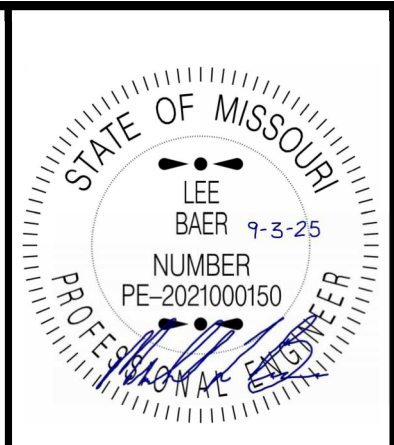
	
DATE PREPARED 8/29/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 38
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	
MERGE MIDWEST ENGINEERING, LLC MO CERT. OF AUTH. 2017010974 2668 W CATALPA ST. OLATHE, KS 66061 (913) 788-1985 WWW.MERGE MIDWEST.COM	
LEE BAER PROFESSIONAL ENGINEER PE-2021000150	



TRAFFIC CONTROL LEGEND

- | | |
|---|----------------------------|
| • SIGN (SINGLE SIDED) | ■ CHANNELIZER |
| • SIGN (DOUBLE SIDED) | □ BARRICADE |
| △ FLAGGER | □ CHANGEABLE MESSAGE BOARD |
| ▲ DIRECTIONAL INDICATION BARRICADE W/SEQUENTIAL FLASHING WARNING LIGHTS | □ TRUCK MOUNTED ATTENUATOR |

TEMPORARY TRAFFIC CONTROL
PHASE 4
SHEET 7 OF 7



DATE PREPARED 8/29/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 41
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE 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)

MERGE MIDWEST ENGINEERING

MERGE MIDWEST ENGINEERING, LLC
MO CERT. OF AUTH. 2017010974
2668 W CATALPA ST.
DULUTH, KS 66061
(913) 788-1985
WWW.MERGEMIDWEST.COM

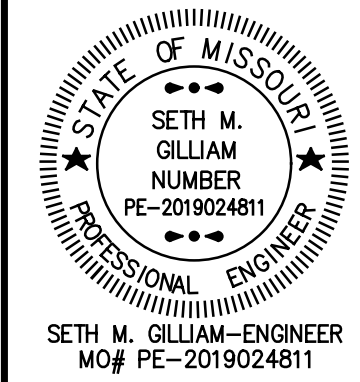
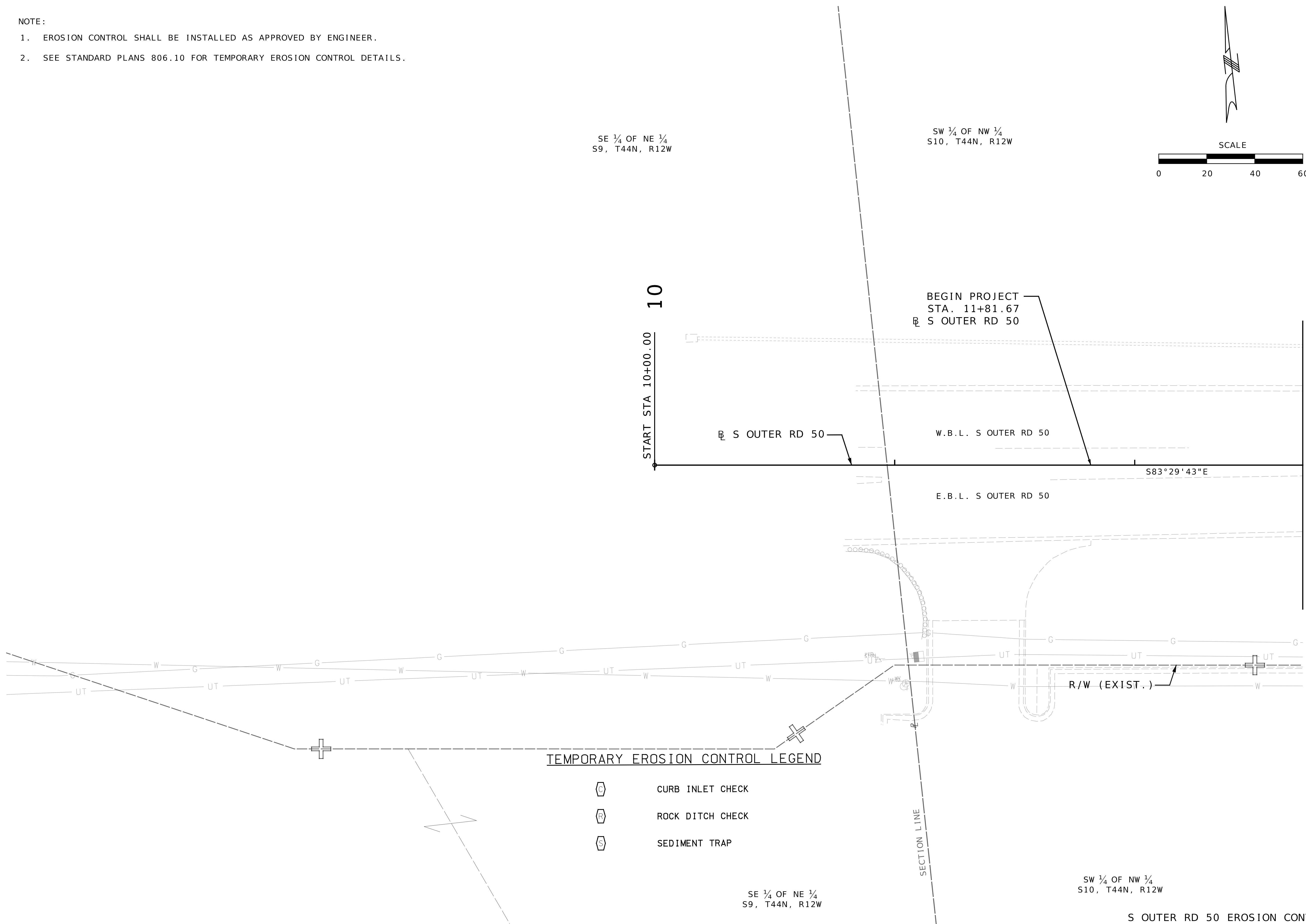
LEE BAER
PROFESSIONAL ENGINEER
PE-2021000150

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NOTE:

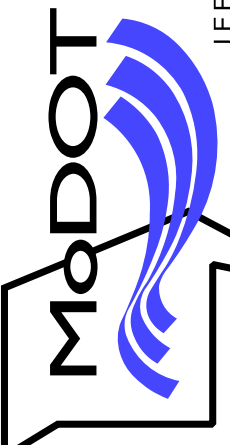
1. EROSION CONTROL SHALL BE INSTALLED AS APPROVED BY ENGINEER.
2. SEE STANDARD PLANS 806.10 FOR TEMPORARY EROSION CONTROL DETAILS.



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 42
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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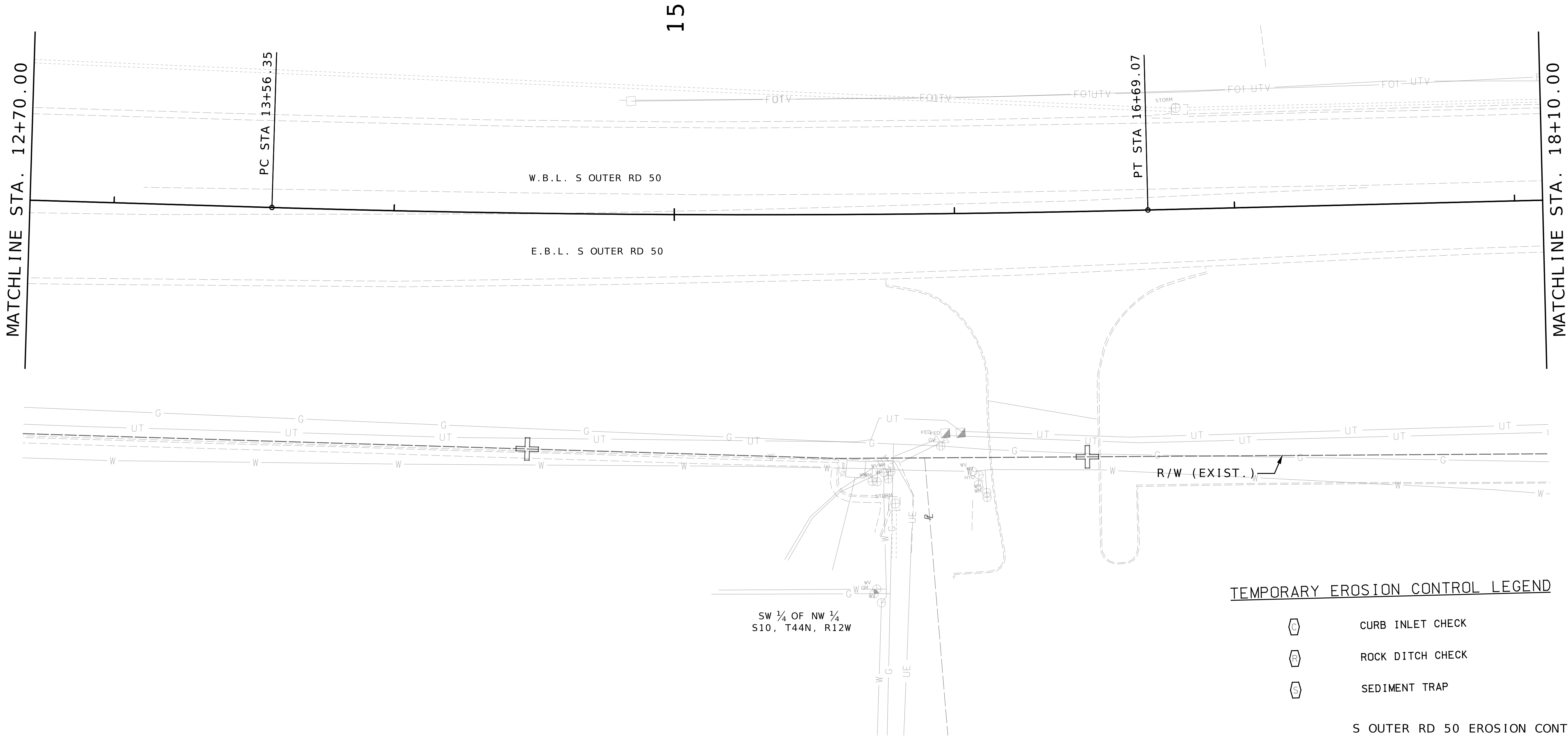
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
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BMcD Project No. 174872





TEMPORARY EROSION CONTROL LEGEND

-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP

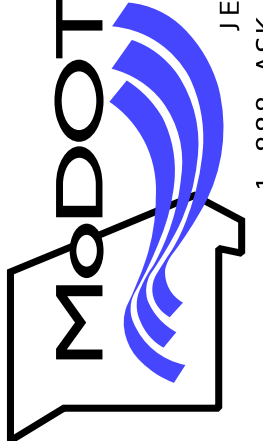
S OUTER RD 50 EROSION CONTROL
INITIAL PHASE
SHEET 2 OF 5



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 43
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



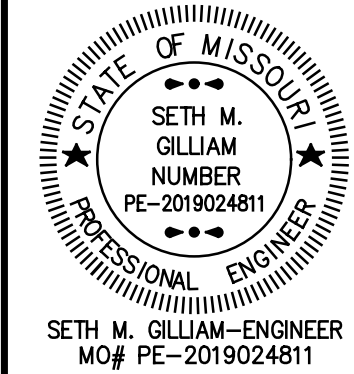
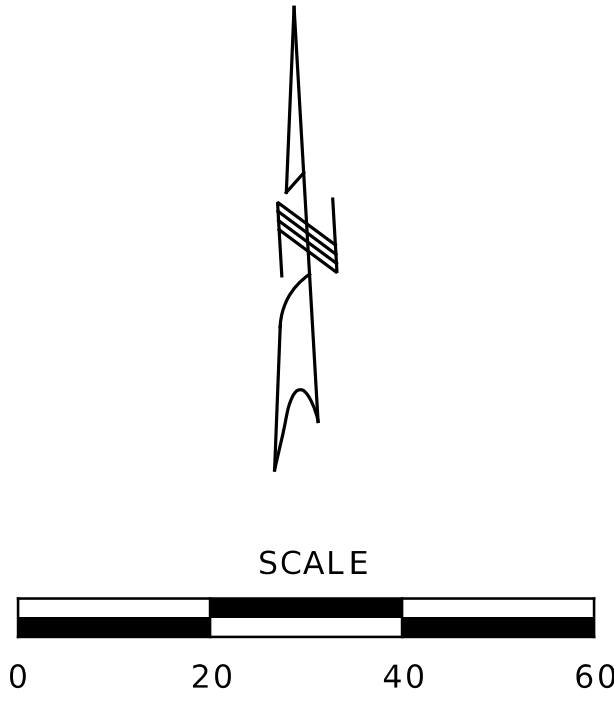
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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9400 Ward Parkway
Kansas City, Missouri 64114
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BMcD Project No. 174872



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 44

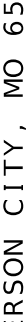
COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.

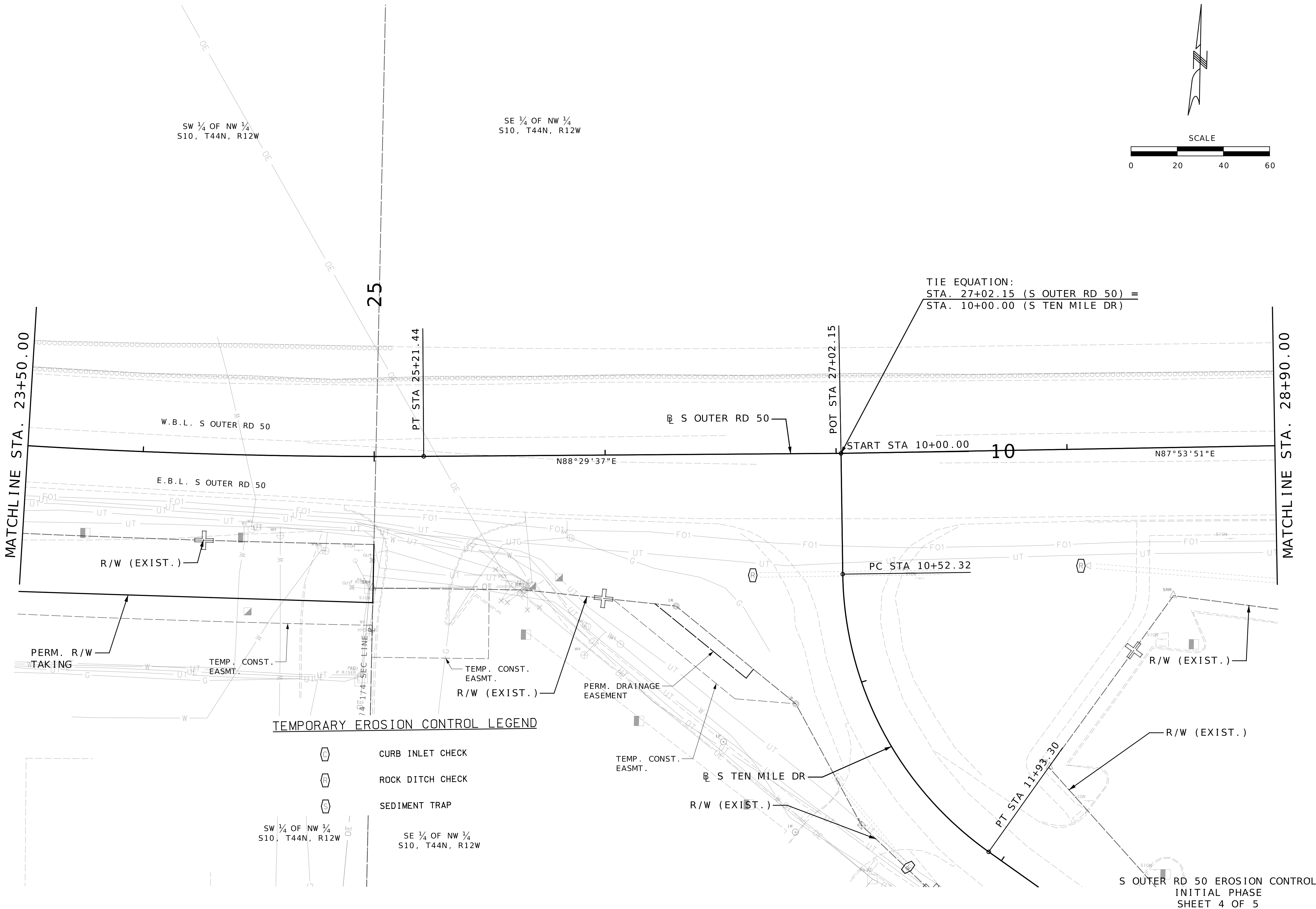
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

**BURNS
MCDONNELL**

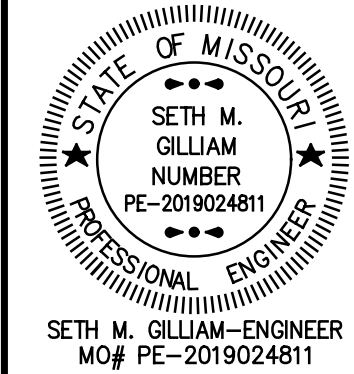
Burns & McDonnell Engineering Co., Inc.
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400
Certificate of Authority
No. : 000165



TEMPORARY EROSION CONTROL LEGEND

- | | |
|--|------------------|
| | CURB INLET CHECK |
| | ROCK DITCH CHECK |
| | SEDIMENT TRAP |
- SW 1/4 OF NW 1/4
S10, T44N, R12W
- SE 1/4 OF NW 1/4
S10, T44N, R12W

S OUTER RD 50 EROSION CONTROL
INITIAL PHASE
SHEET 4 OF 5



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 45
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

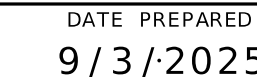
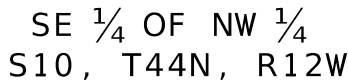
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Burns & McDonnell Engineering Co., Inc.

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Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872



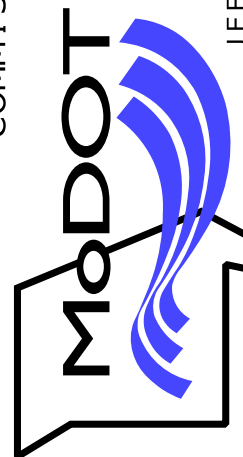
COUNTY
COLE

JOB NO.
J5S3418

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)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

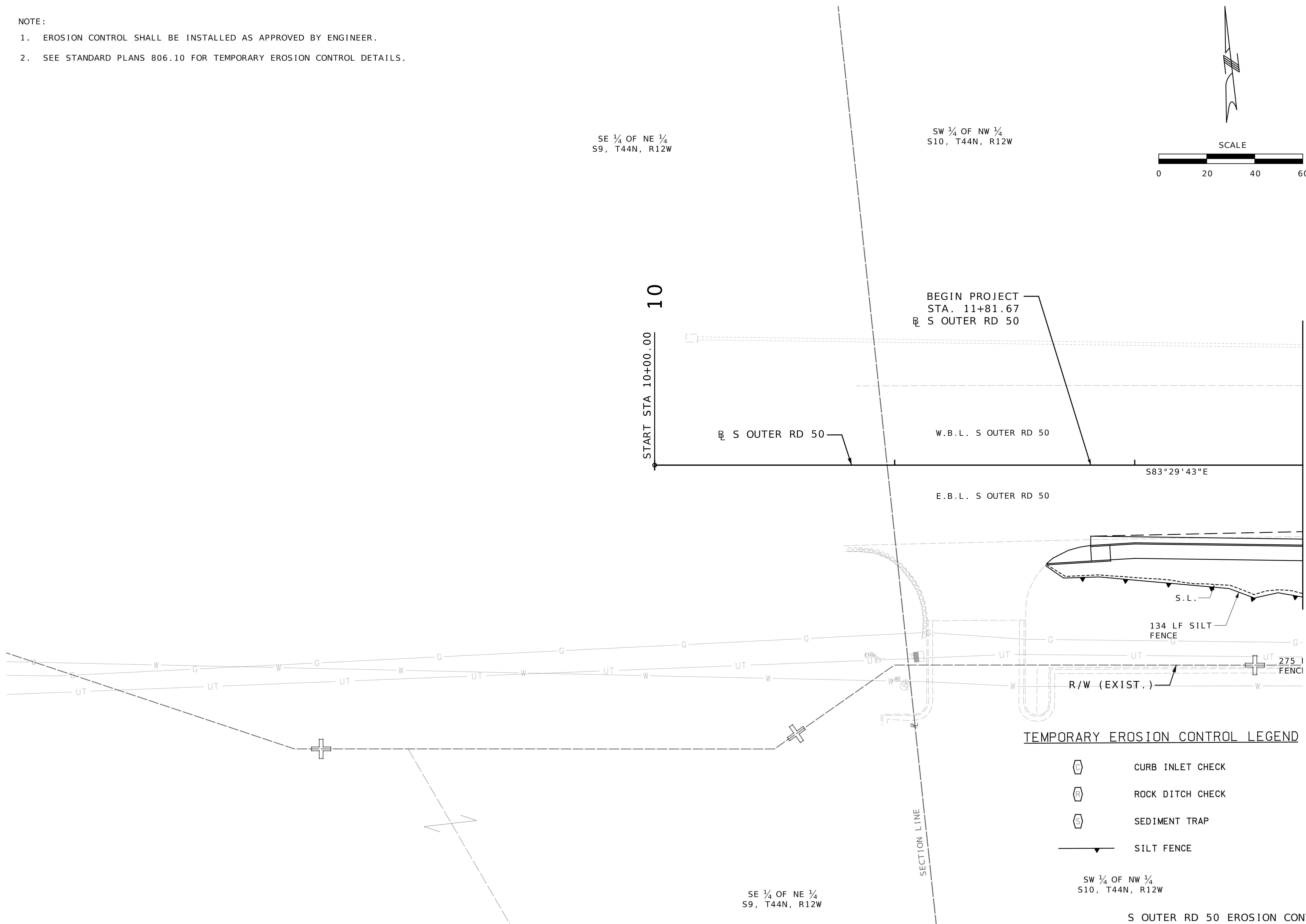


Certificate of Authority
No. : 000165

BMcD Project No. 174872

NOTE:

1. EROSION CONTROL SHALL BE INSTALLED AS APPROVED BY ENGINEER.
2. SEE STANDARD PLANS 806.10 FOR TEMPORARY EROSION CONTROL DETAILS.

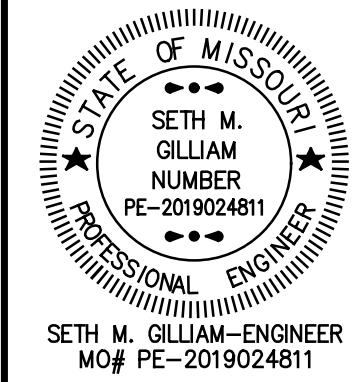


TEMPORARY EROSION CONTROL LEGEND

- CURB INLET CHECK
- ROCK DITCH CHECK
- SEDIMENT TRAP
- SILT FENCE

SW 1/4 OF NW 1/4
S10, T44N, R12W

S OUTER RD 50 EROSION CONTROL
CONSTRUCTION PHASE
SHEET 1 OF 5



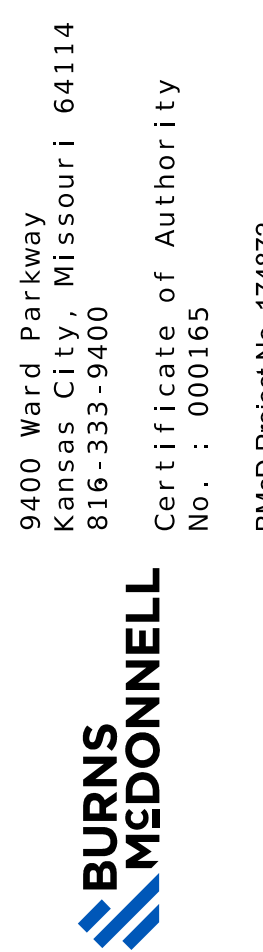
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ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 47
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

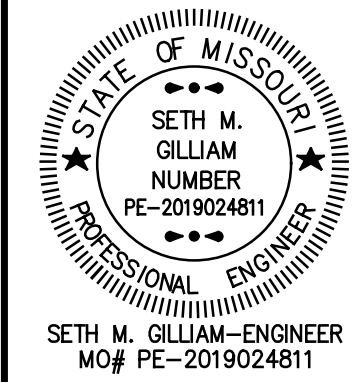
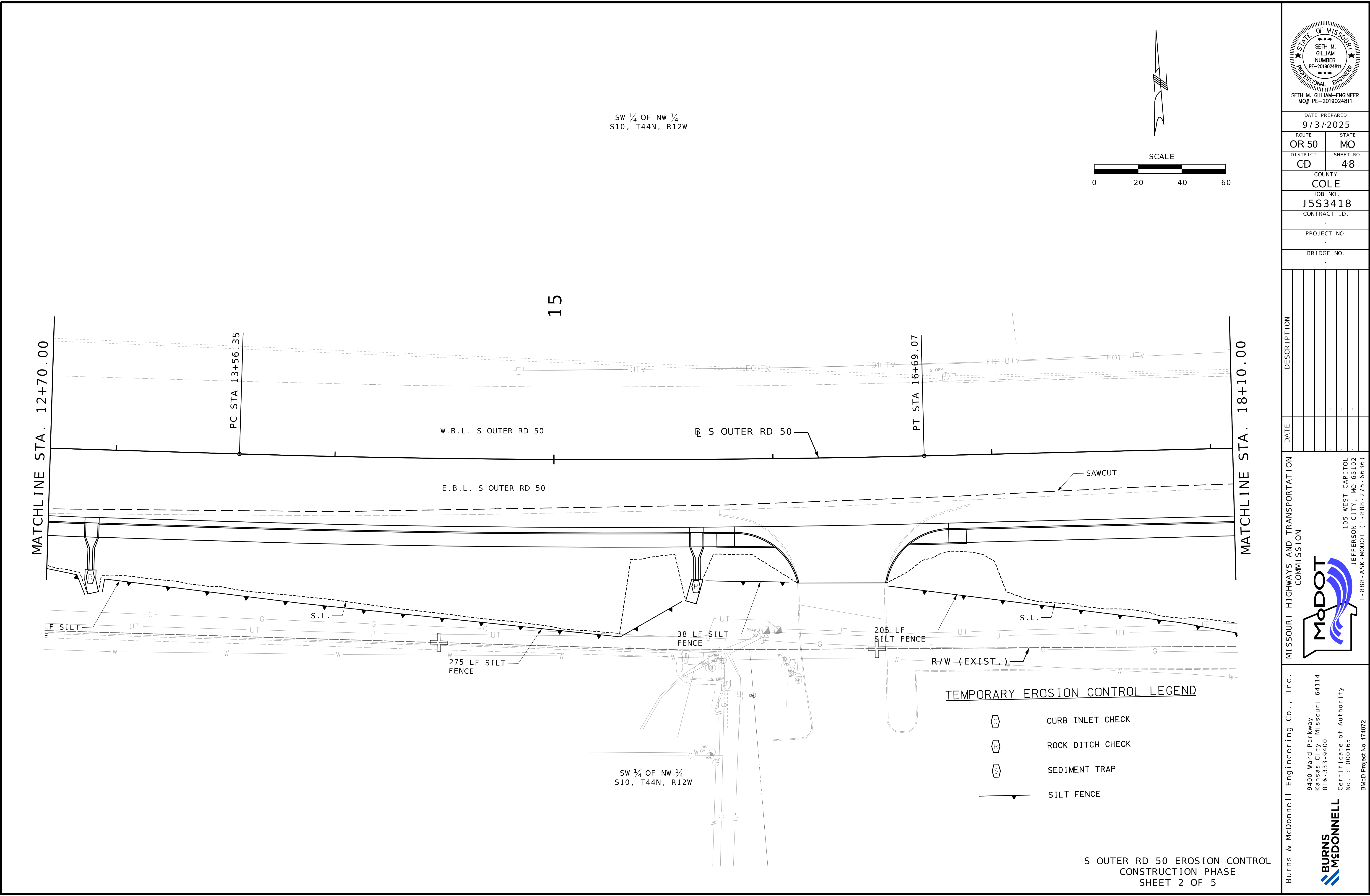
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



Burns & McDonnell Engineering Co., Inc.





DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 48
COUNTY COLE	
JOB NO. J5S3418	
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)

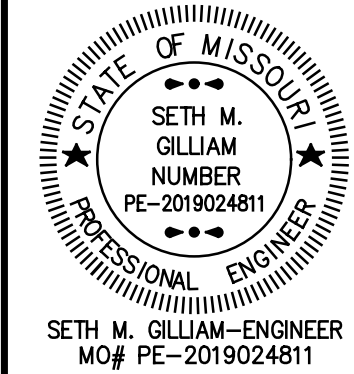
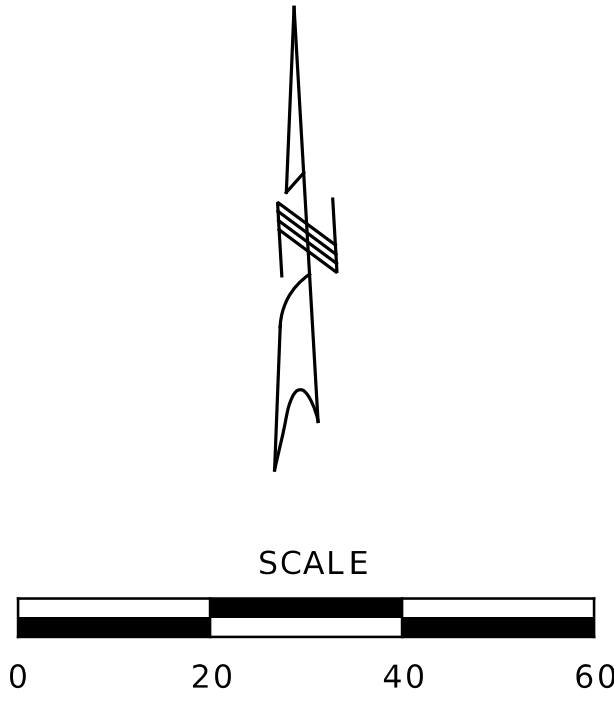
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

- TEMPORARY EROSION CONTROL LEGEND
- CURB INLET CHECK
 - ROCK DITCH CHECK
 - SEDIMENT TRAP
 - SILT FENCE

S OUTER RD 50 EROSION CONTROL
CONSTRUCTION PHASE
SHEET 2 OF 5



DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 49

COUNTY
COLE

JOB NO.
J5S3418

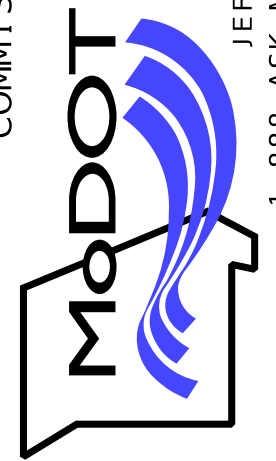
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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)

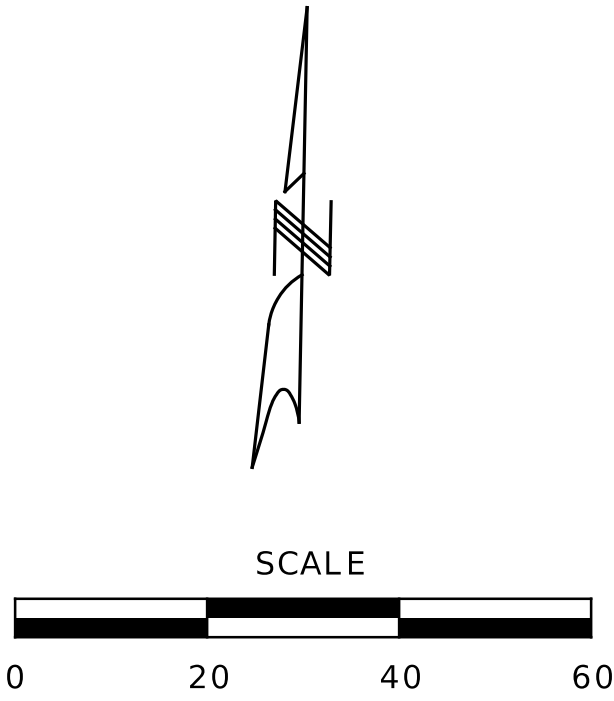
Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMcD Project No. 174872





DATE PREPARED
9/3/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO 50

COUNTY
COLE

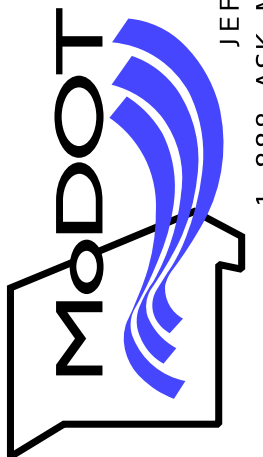
JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

JEFFERSON CITY, MO 65102

BMcD Project No. 174872

Burns & McDonnell Engineering Co., Inc.

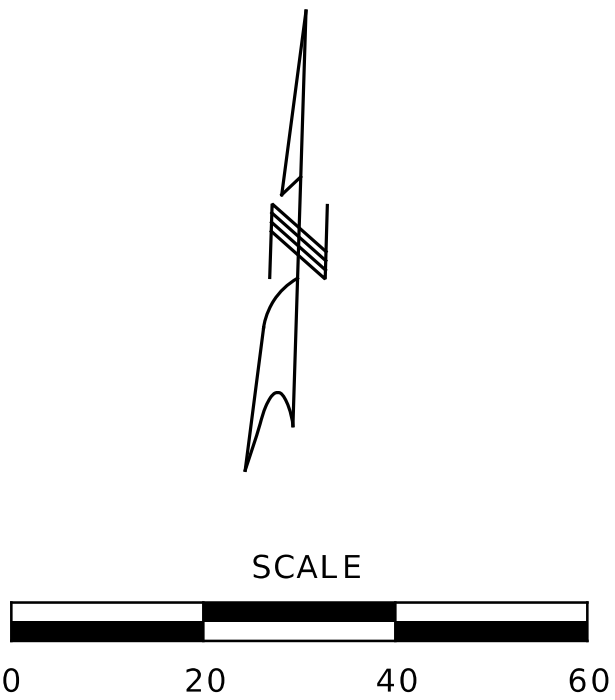
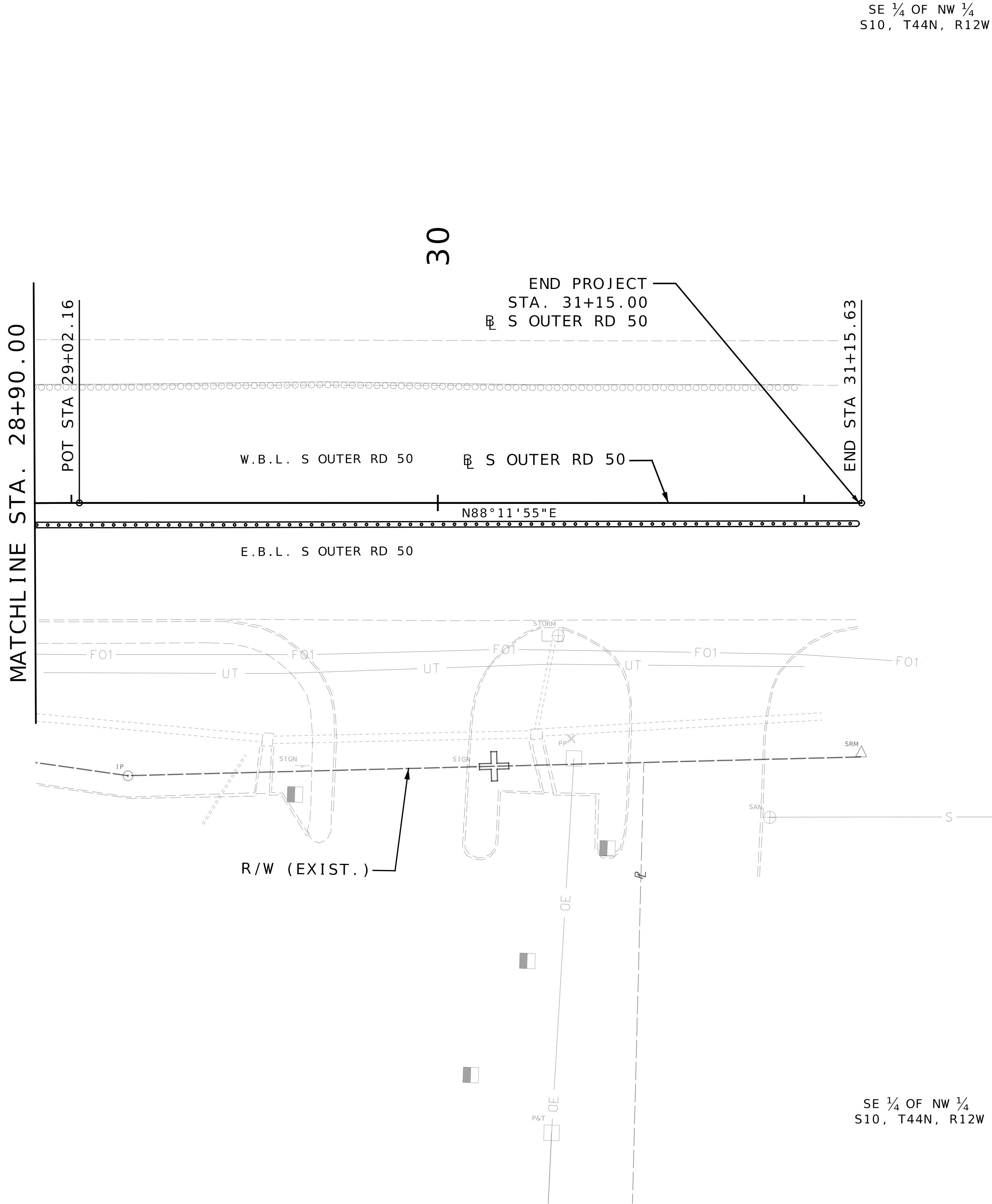
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority

No. : 000165

BMcD Project No. 174872

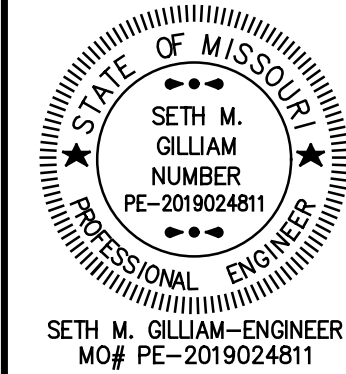




TEMPORARY EROSION CONTROL LEGEND

-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  SILT FENCE

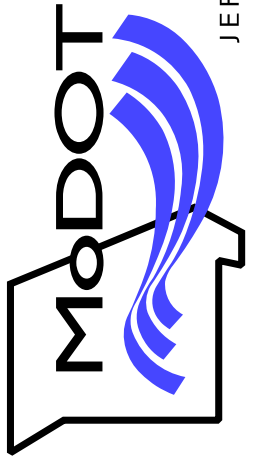
S OUTER RD 50 EROSION CONTROL
CONSTRUCTION PHASE
SHEET 5 OF 5



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 51
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

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)

Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMCD Project No. 174872



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

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

6 X 6 LOOP DETECTOR

6 X 15 LOOP DETECTOR

30 X 6 LOOP DETECTOR

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

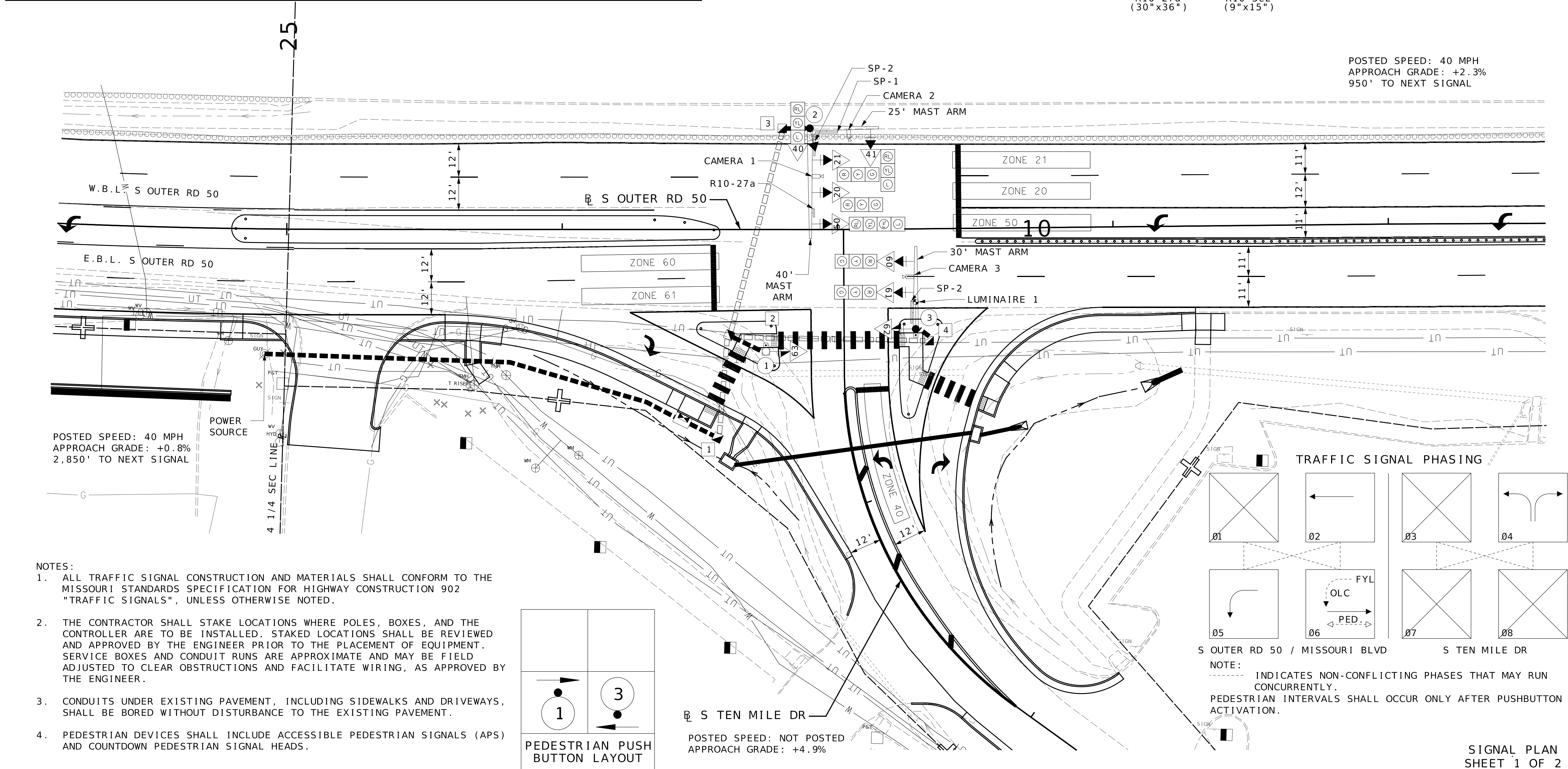
CONDUIT TRENCHED

SPAN WIRE

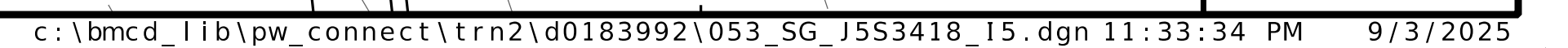
MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE



- NOTES:
- ALL TRAFFIC SIGNAL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE MISSOURI STANDARDS SPECIFICATION FOR HIGHWAY CONSTRUCTION 902 "TRAFFIC SIGNALS", UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL STAKE LOCATIONS WHERE POLES, BOXES, AND THE CONTROLLER ARE TO BE INSTALLED. STAKED LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF EQUIPMENT. SERVICE BOXES AND CONDUIT RUNS ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO CLEAR OBSTRUCTIONS AND FACILITATE WIRING, AS APPROVED BY THE ENGINEER.
 - CONDUITS UNDER EXISTING PAVEMENT, INCLUDING SIDEWALKS AND DRIVEWAYS, SHALL BE BORED WITHOUT DISTURBANCE TO THE EXISTING PAVEMENT.
 - PEDESTRIAN DEVICES SHALL INCLUDE ACCESSIBLE PEDESTRIAN SIGNALS (APS) AND COUNTDOWN PEDESTRIAN SIGNAL HEADS.



EFFECTIVE: 07/01/2018

[illegible]

LEGEND

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

D-37A

BURNS & MCDONNELL

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 9400 Ward Parkway
 Kansas City, Missouri 64114
 816-333-9400
 Certificate of Authority
 No. : 000165
 BMCD Project No. 174872

[illegible]TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

- ## NEMA LOAD SWITCH ASSIGNMENTS

[illegible]

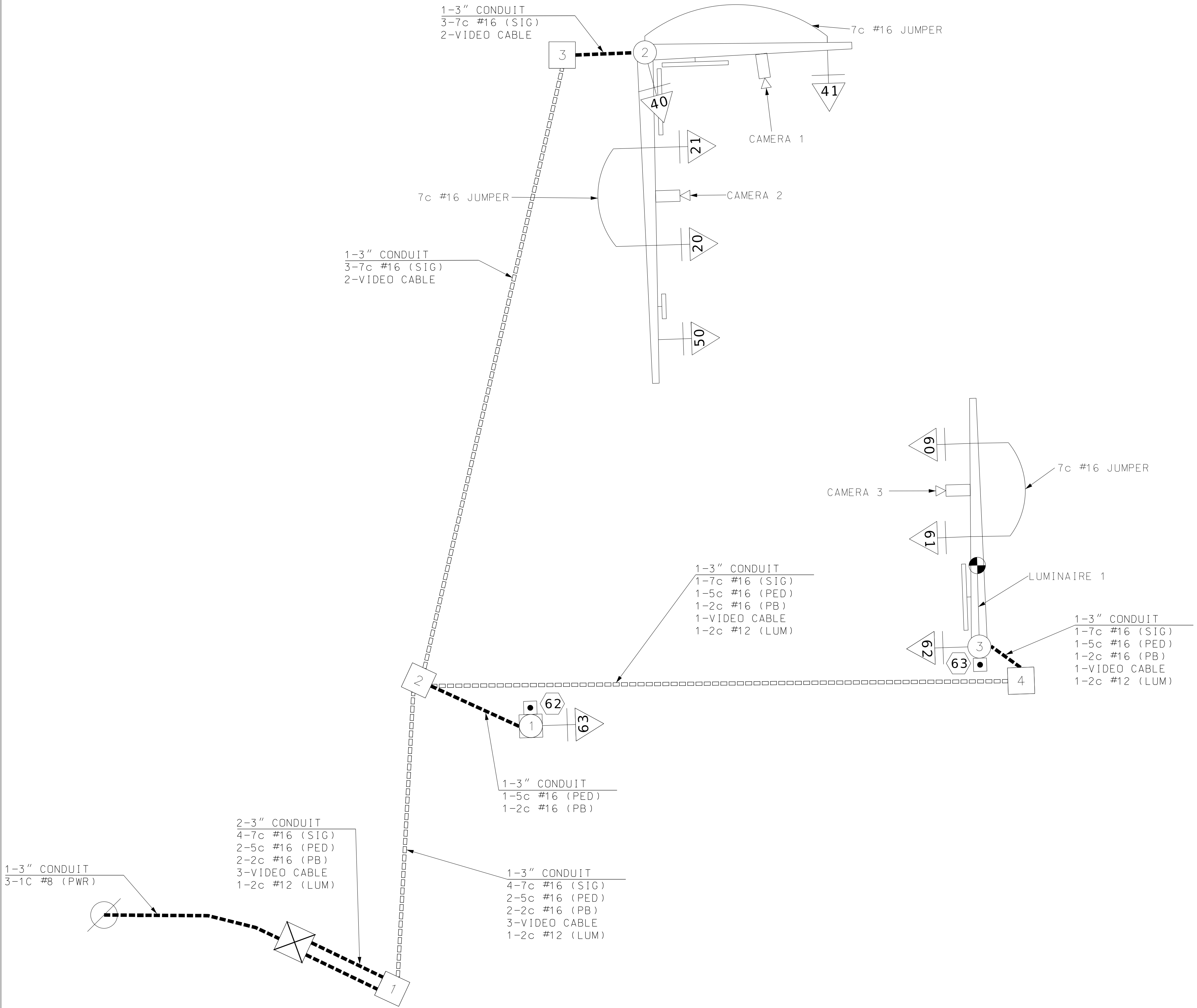
NEMA LOAD SWITCH ASSIGNMENTS

NEMA LOAD SWITCH ASSIGNMENTS															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NOT USED	Ø2	NOT USED	Ø4	Ø5	Ø6	NOT USED	NOT USED	NOT USED	NOT USED	Ø6 PED	NOT USED	NOT USED	NOT USED	OLC	NOT USED

INTERSECTION

D-37C

WIRING DIAGRAM



LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- 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 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

S OUTER RD 50 AND S TEN MILE DRIVE

INTERSECTION

D-37D



DATE PREPARED
9/3/2025

ROUTE OR 50
DISTRICT CD
STATE MO
SHEET NO. 57

COUNTY
COLE

JOB NO.
J5S3418

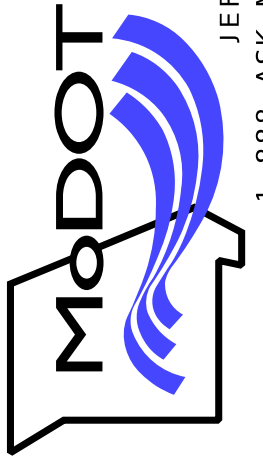
CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



Burns & McDonnell Engineering Co., Inc.

9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165
BMcD Project No. 174872

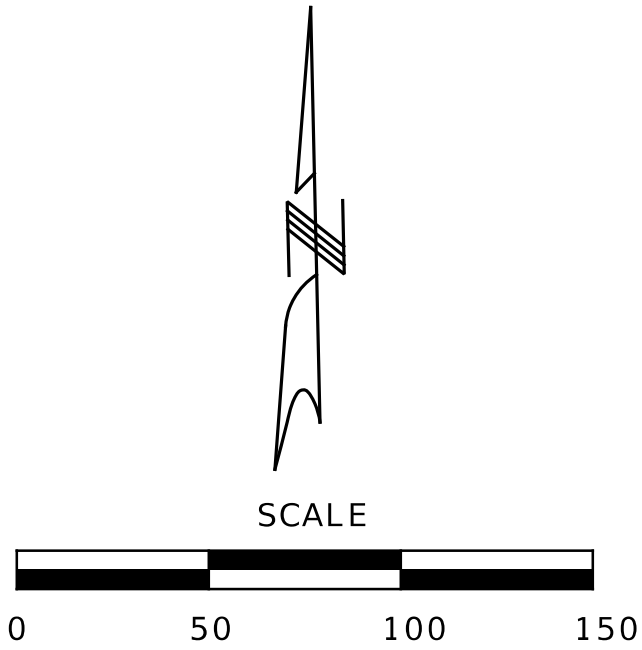
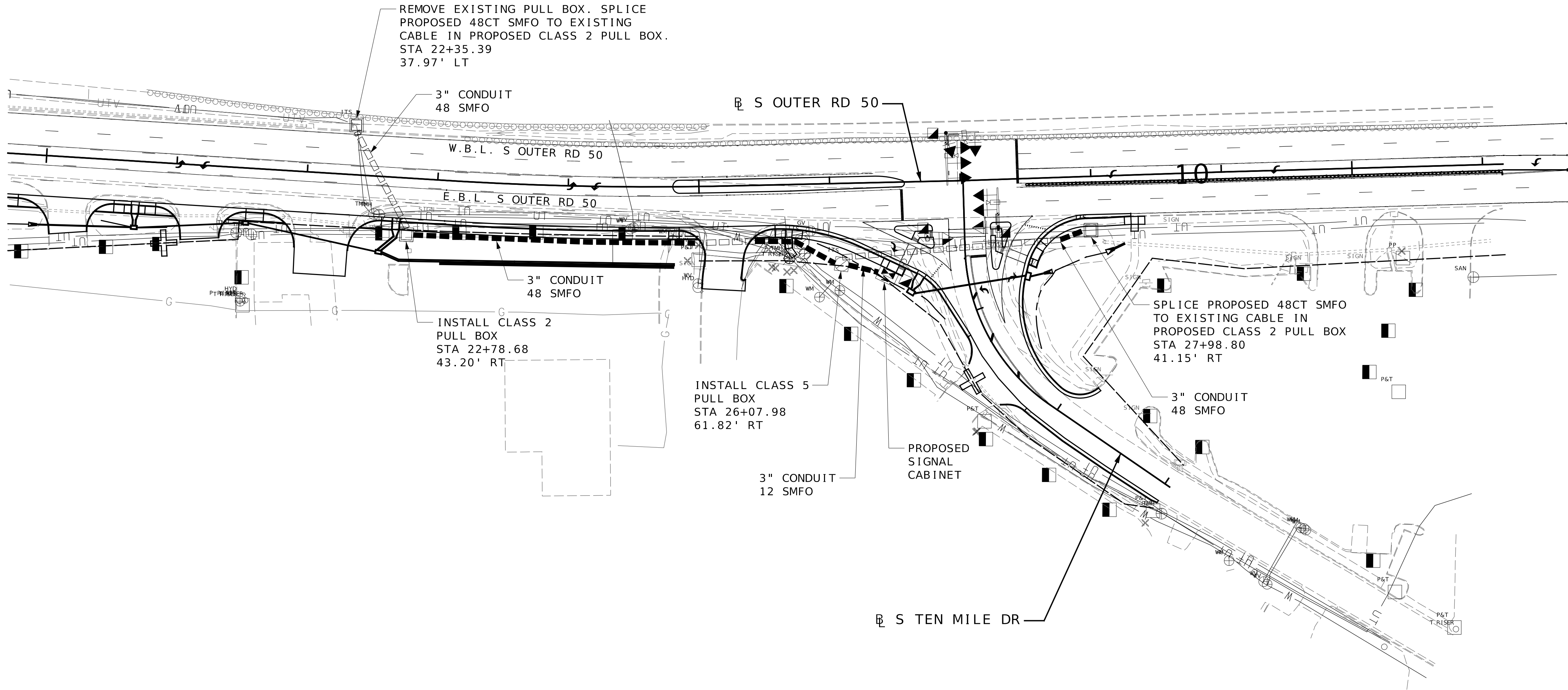


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

20

25

30



ITS PLAN
SHEET 1 OF 1



SETH M. GILLIAM-ENGINEER
MO# PE-2019024811

DATE PREPARED
10/7/2025

ROUTE OR 50 STATE MO

DISTRICT CD SHEET NO. 59

COUNTY COLE

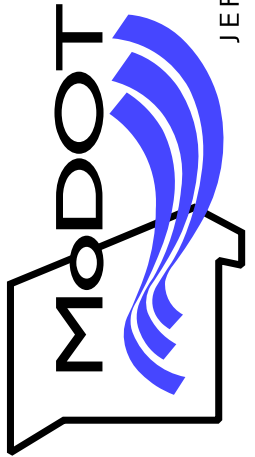
JOB NO. J5S3418

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)

Burns & McDonnell Engineering Co., Inc.

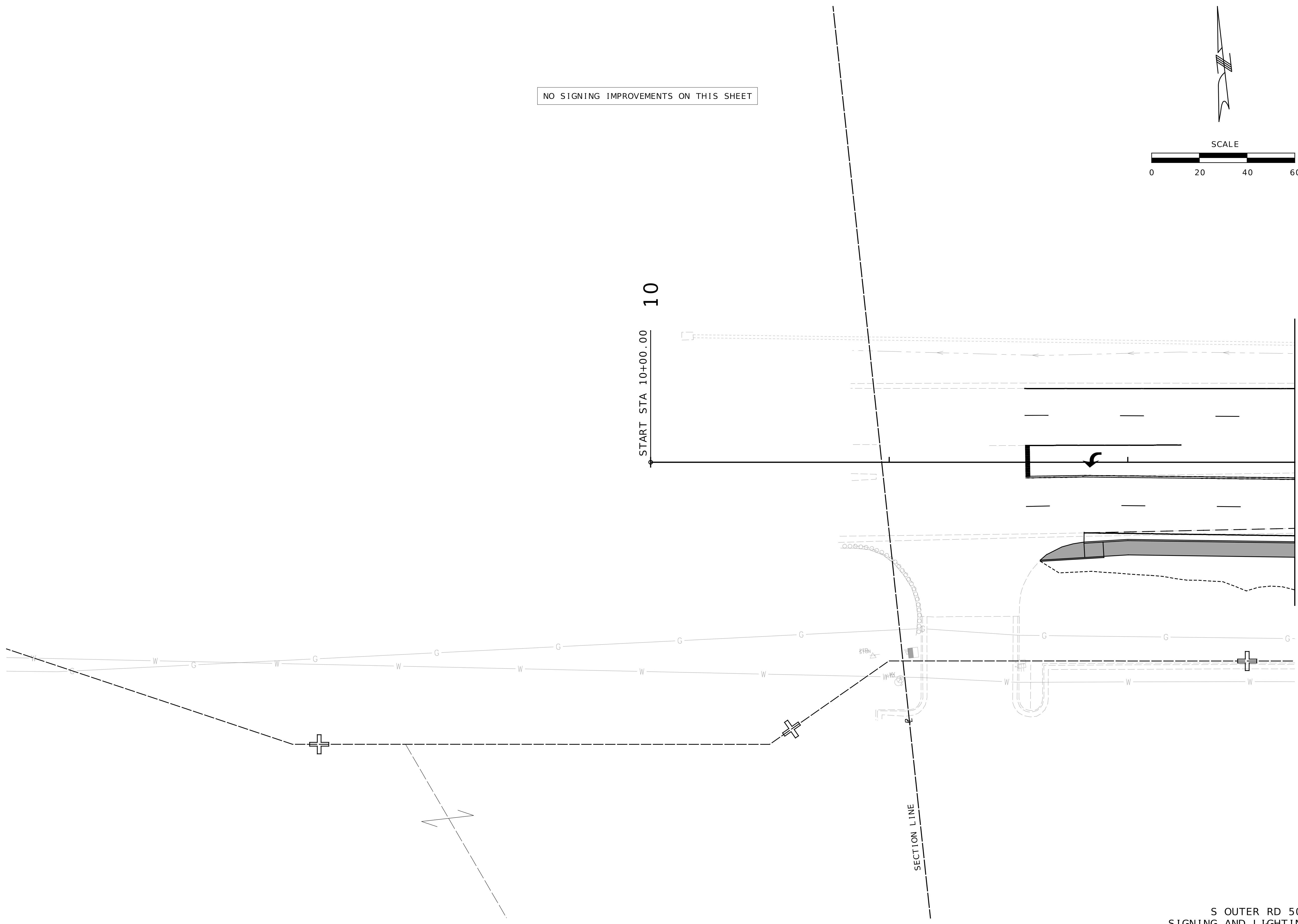
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

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No. : 000165

BMCD Project No. 174872





S OUTER RD 50
SIGNING AND LIGHTING PLAN
SHEET 1 OF 5

DATE PREPARED
9/25/2025

ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 60

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION
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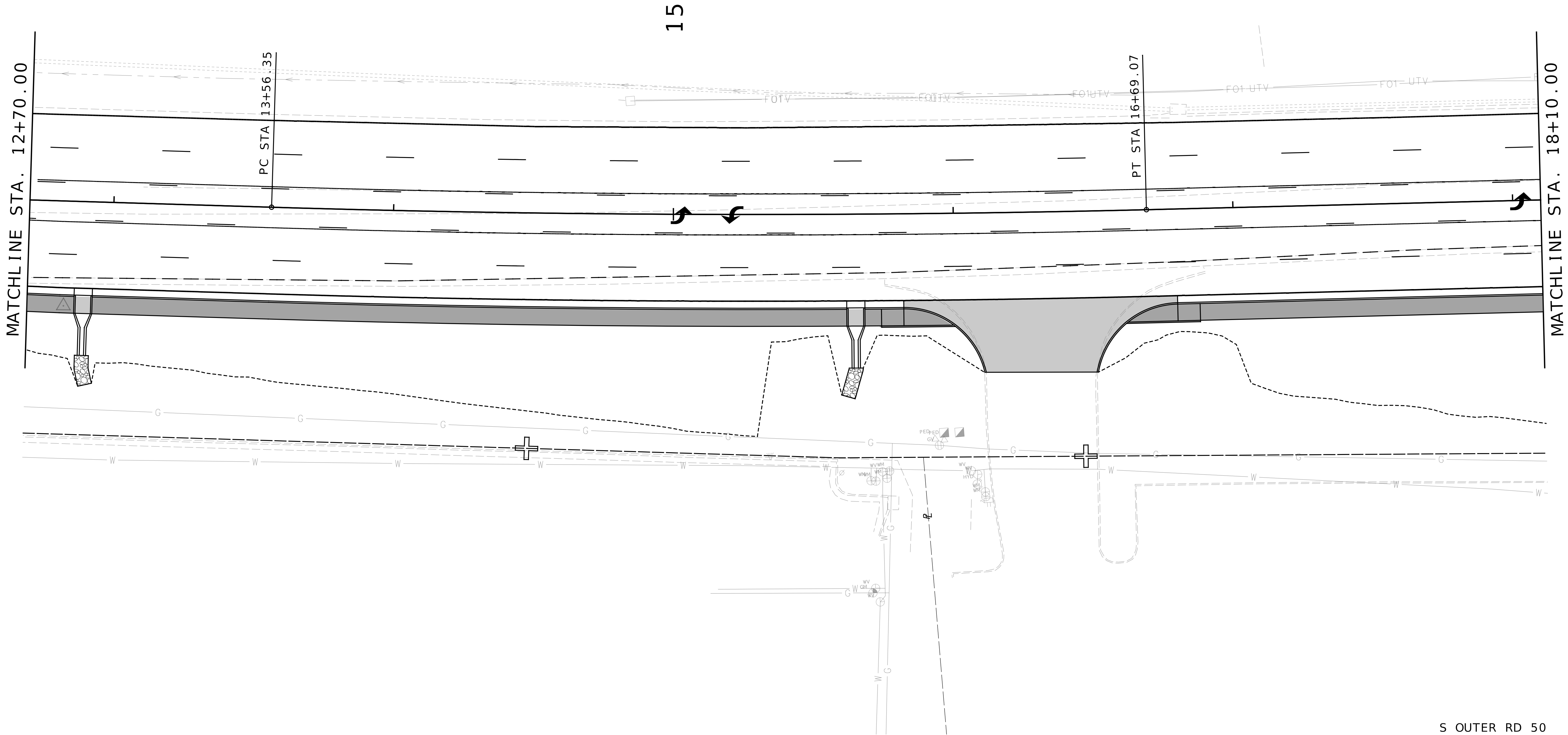
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

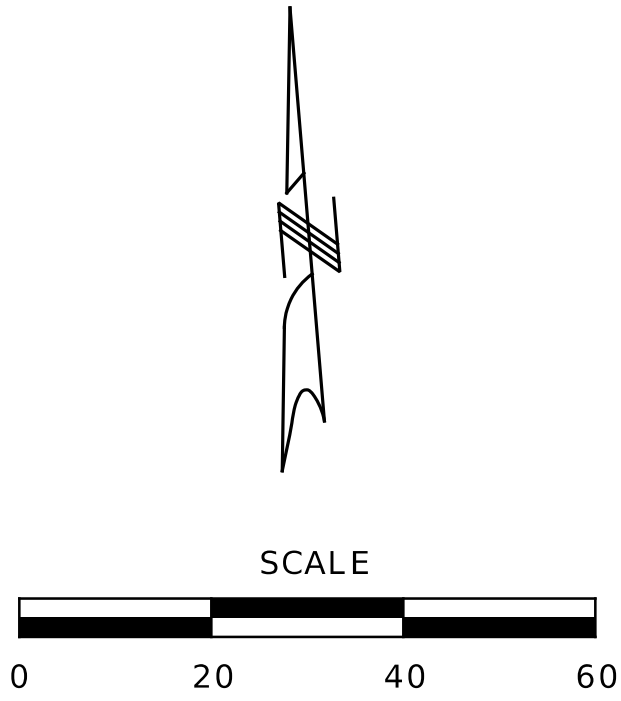
BURNS & McDONNELL Engineering Co., Inc.

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Kansas City, Missouri 64114
816-333-9400

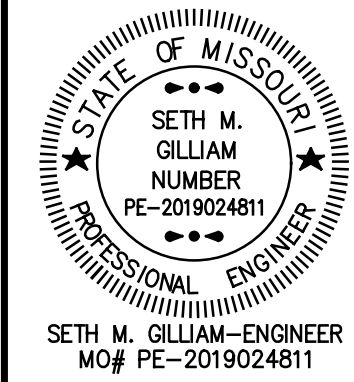
Certificate of Authority
No. : 000165
BMcD Project No. 174872



NO SIGNING IMPROVEMENTS ON THIS SHEET



S OUTER RD 50
SIGNING AND LIGHTING PLAN
SHEET 2 OF 5



DATE PREPARED 9/25/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 61
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DESCRIPTION	DATE
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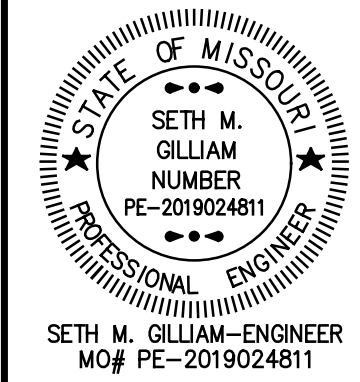
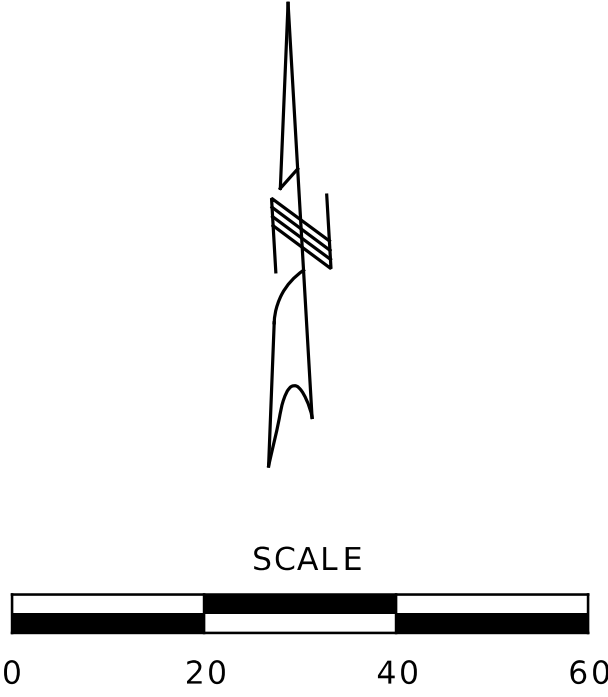
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

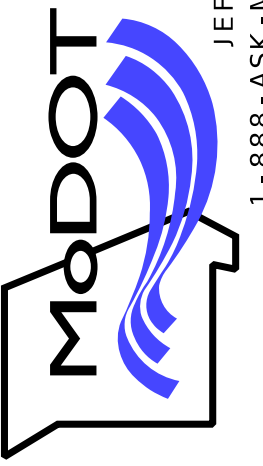
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No. : 000165
BMcD Project No. 174872



DATE PREPARED	
9/25/2025	
ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	62
COUNTY	
COLE	
JOB NO.	
J5S3418	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

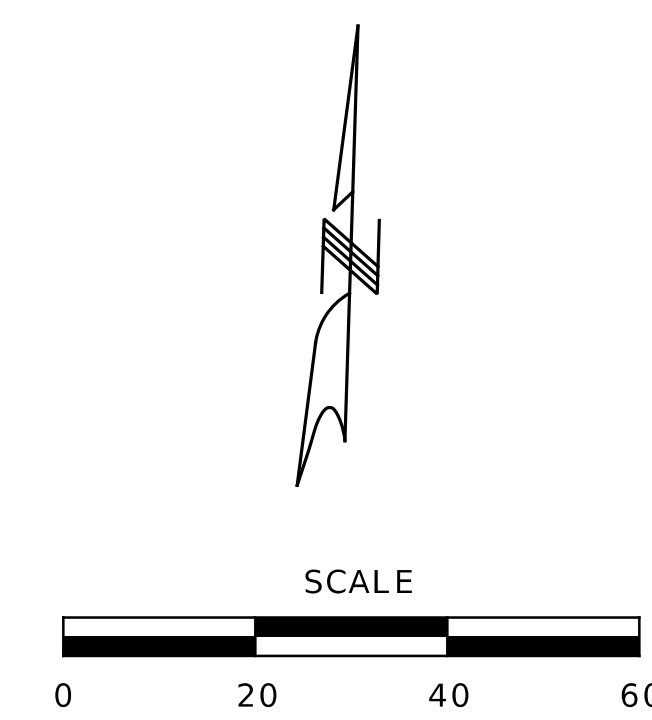
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Burns & McDonnell Engineering Co., Inc.

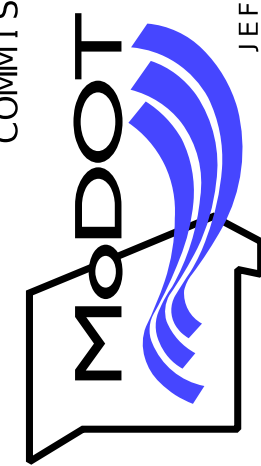
9400 Ward Parkway
Kansas City, Missouri 64114
816-333-9400

Certificate of Authority
No. : 000165

BMCD Project No. 174872



The image is a circular professional engineer seal for the State of Missouri. The outer ring contains the text "STATE OF MISSOURI" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars on each side. Inside the ring, the text "SETH M. GILLIAM" is at the top, "NUMBER" is in the middle, and "PE-2019024811" is at the bottom. Below the seal, the text "SETH M. GILLIAM-ENGINEER" and "MO# PE-2019024811" is printed. The seal is positioned over a white background that is part of a larger document with a grid of colored boxes (blue, green, yellow, red, grey) and text labels for various engineering project details.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

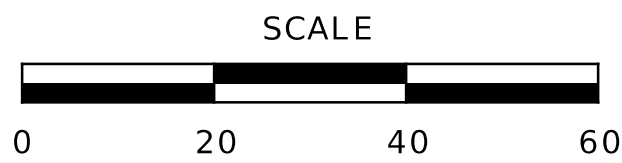
Burns & McDonnell Engineering Co., Inc.

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816-333-9400

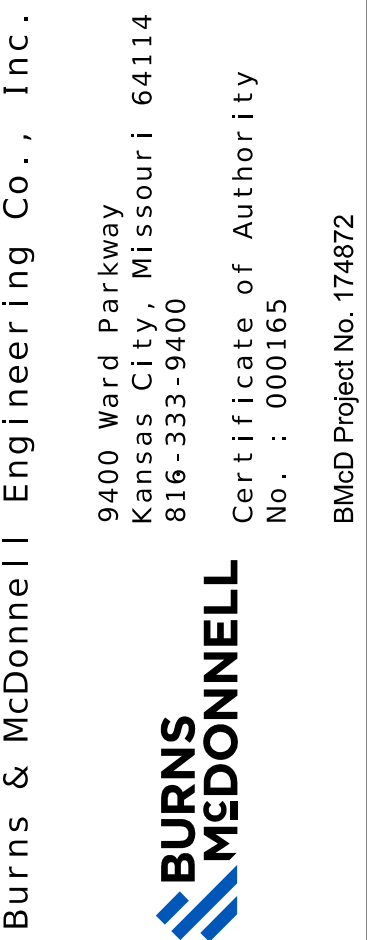


Certificate of Authority
No. : 000165

BMcD Project No. 174872



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SIGNS					CONCRETE FOOTINGS EMBEDDED		STRUCTURAL STEEL POSTS*					PIPE POSTS*					BACKING BARS**				U-CHANNEL POST		PERFORATED SQUARE STEEL TUBE										EFFECTIVE: 07-01-2024		REMARKS AND OTHER REQUIRED ITEMS
902 SIGNAL SIGNS TABULATED ON D-37A SHEET					SIGN DTL SHT NO.	ITEM NO. 9031010 CY	POST DES NO.	POST NO. 1 LF	POST NO. 2 LF	POST NO. 3 LF	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE SIZE IN	POST NO. 1 LF	POST NO. 2 LF	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	2" X 3/8" BARS AT 2.55 LBS/FT				ITEM NO. 9031250A LF	POST NO. 1 LF	POST NO. 2 LF	2-INCH POST			2.5-INCH POST			BREAK-AWAY ASSEMBLY ITEM NO. 9031241				
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION														NO.	LGTH IN.	TOTAL LF	TOTAL LBS				ITEM NO. 9031270A LF	ITEM NO. 9031271A EACH	ITEM NO. 9031273A EACH	ITEM NO. 9031274 EACH	ITEM NO. 9031280 LF	ITEM NO. 9031272A EACH		ITEM NO. 9031281A EACH	ITEM NO. 9031285 EACH		
1	36"x48"	23+03		USBUS 50																				11.0		11.0		1							
2	24"x30"	24+84		USBUS 50																				10.0		10.0		1							
3	24"x30"	26+52		USBUS 50																				10.0		10.0		1							
4	48"x48"	26+74		USBUS 50																				11.0		11.0		1							
5	12"x36"	27+51		USBUS 50																															
6	12"x36"	31+14		USBUS 50																															
7	48"x48"	10+45		TEN MILE																															
SUBTOTAL																																			
TOTAL																				**															

*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

**BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	
2½	5.79	0.48	4'- ¾"	12"	4-6"	0.13
4	10.79	0.90	5'- ¾"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT		STUB LENGTH	DIA.	FOOTING							
		LBS/FT	LBS/IN			LEVEL DEPTH	C.Y.	6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
								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

SETH M. GILLIAM

ENGINEER

NUMBER

PE-2019024811

PROFESSIONAL

ENGINEER

SETH M. GILLIAM—ENGINEER

MO# PE-2019024811

DATE PREPARED

9/4/2025

ROUTE OR 50

STATE MO

DISTRICT CD

SHEET NO. 66

COUNTY COLE

JOB NO. J5S3418

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)

9400 Ward Parkway

Kansas City, Missouri 64114

816-333-9400

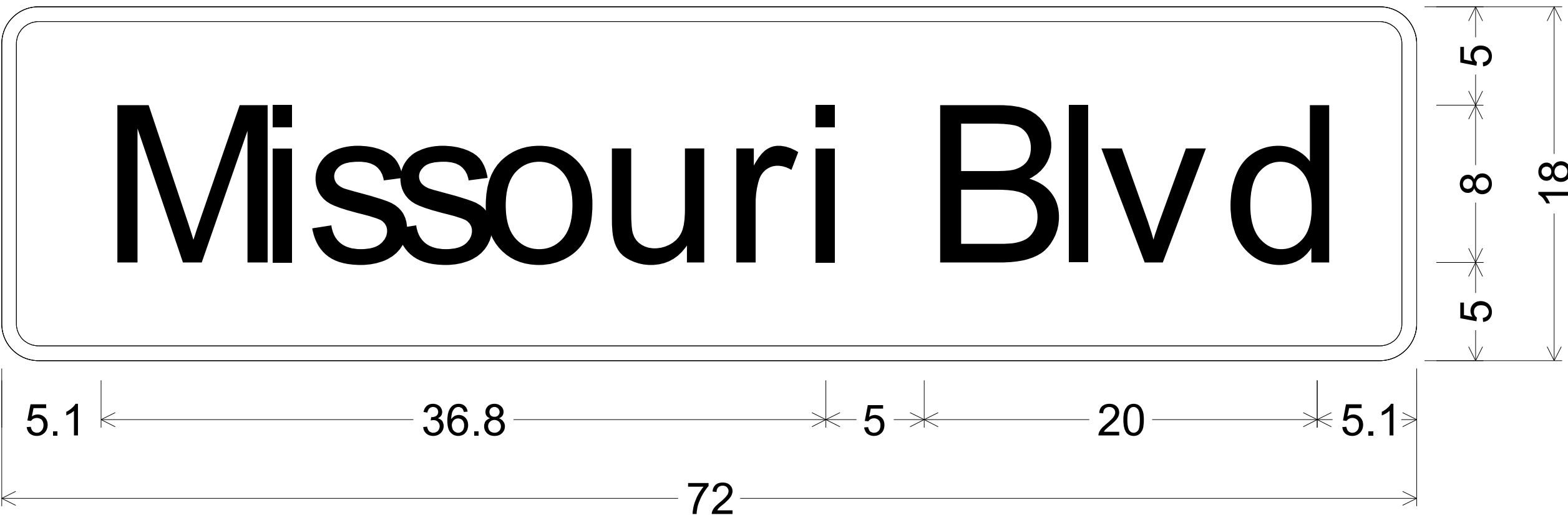
Certificate of Authority

No. : 000165

BMcD Project No. 174872

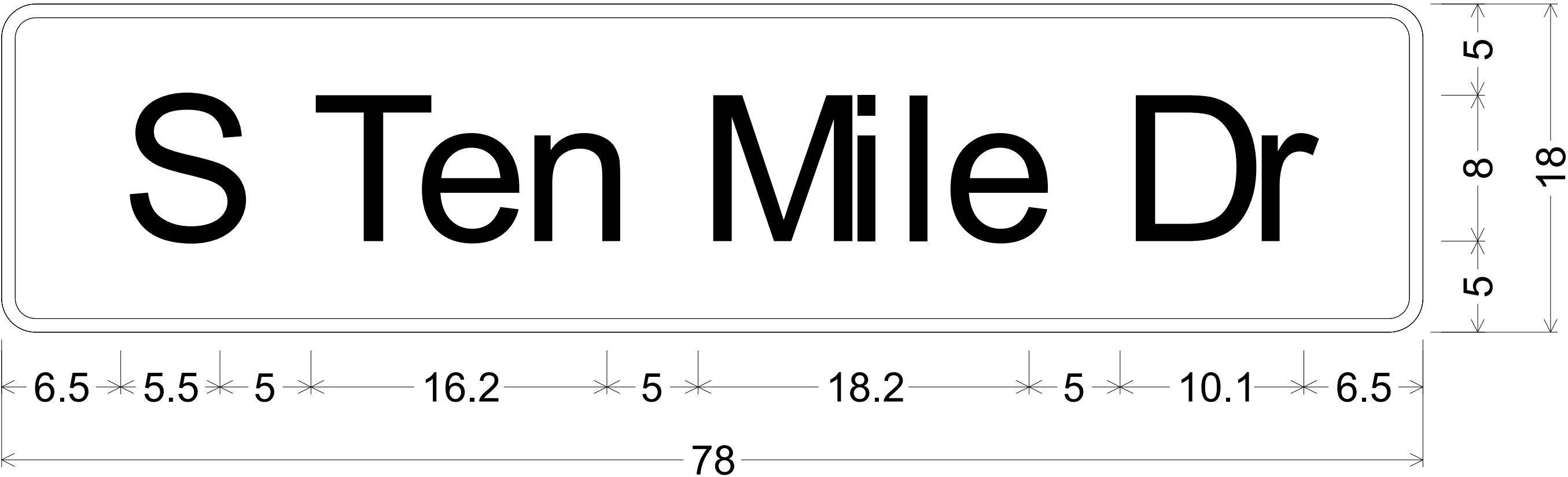
BURNS MEDONNELL

[illegible][illegible]



D3-1(3)_72x18;
1.9" Radius, 0.8" Border, White on Green;
"Missouri", D 2K; "Blvd", D 2K;
Table of letter and object lefts

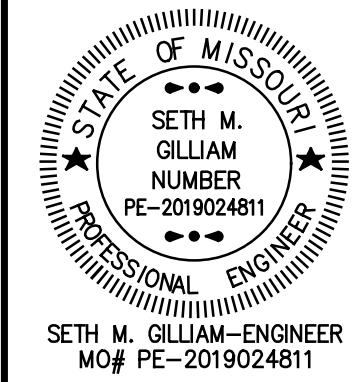
M	i	s	s	o	u	r	i	B	l	v	d
5.1	13.1	15.5	19.8	24.3	30.3	36.7	40.7	46.9	53.6	55.8	62.1



D3-1(3)_78x18;
1.9" Radius, 0.8" Border, White on Green;
"S", D 2K; "Ten", D 2K; "Mile", D 2K; "Dr", D 2K;
Table of letter and object lefts

S	T	e	n	M	i	l	e	D	r
6.5	17.0	22.7	28.5	38.2	46.2	49.1	51.7	61.4	68.4

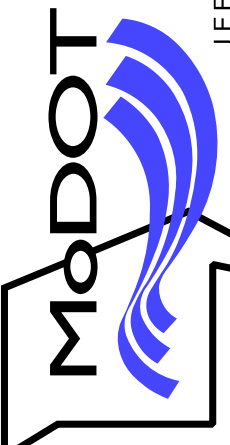
SEE SIGNAL SHEETS FOR MAST ARM LOCATIONS AND STREET SIGN QUANTITIES.



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 68
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

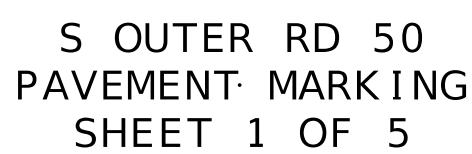


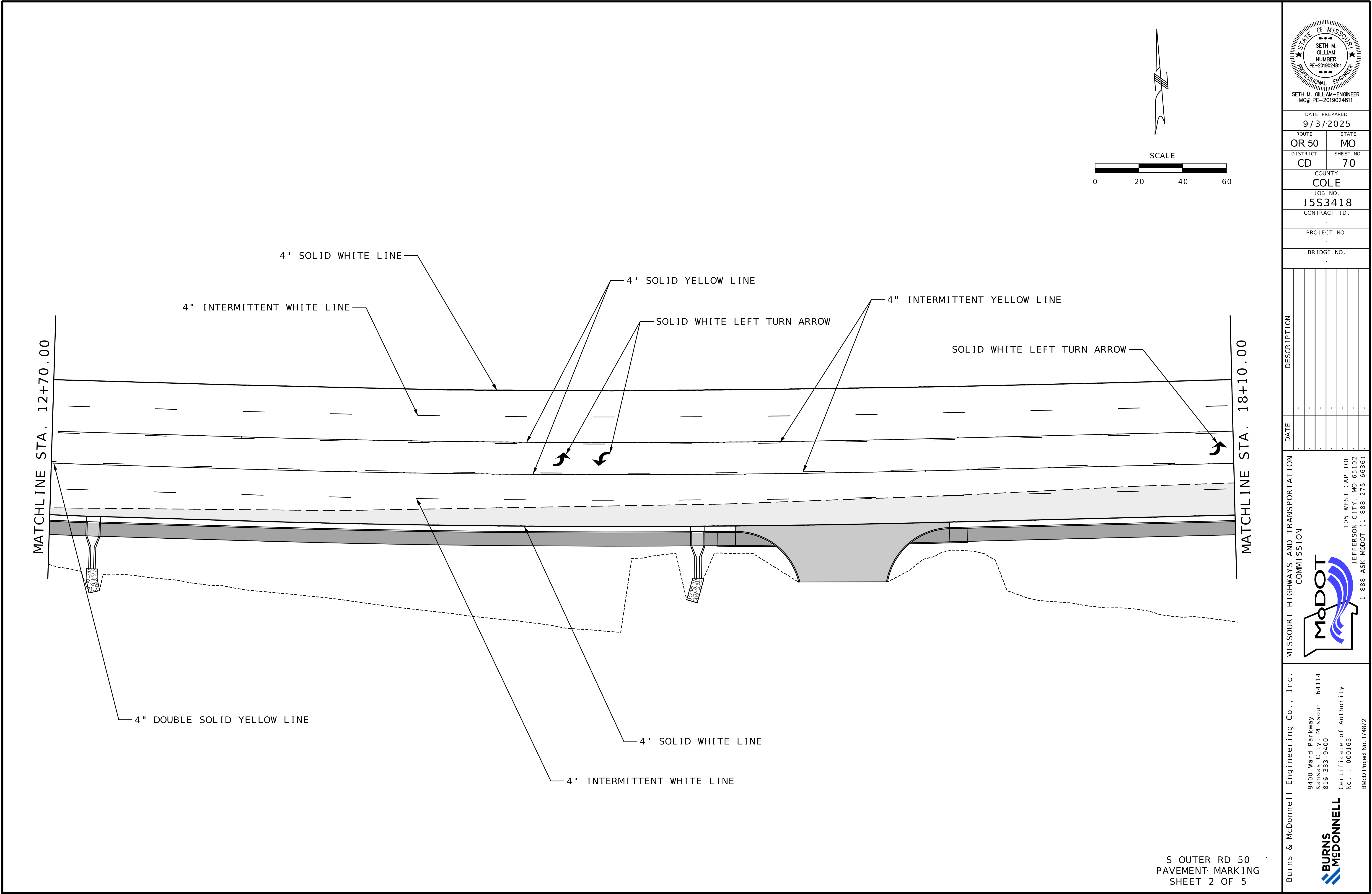
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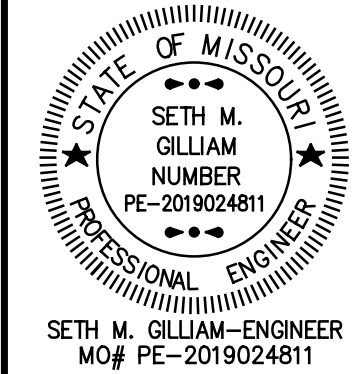
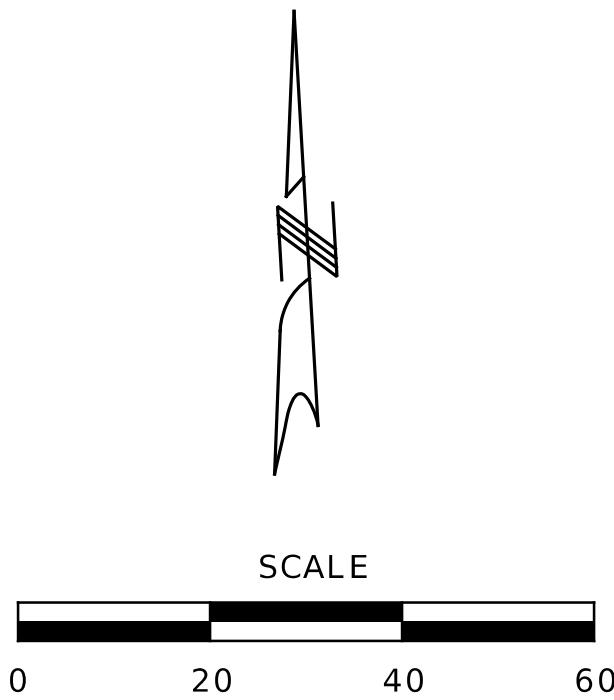
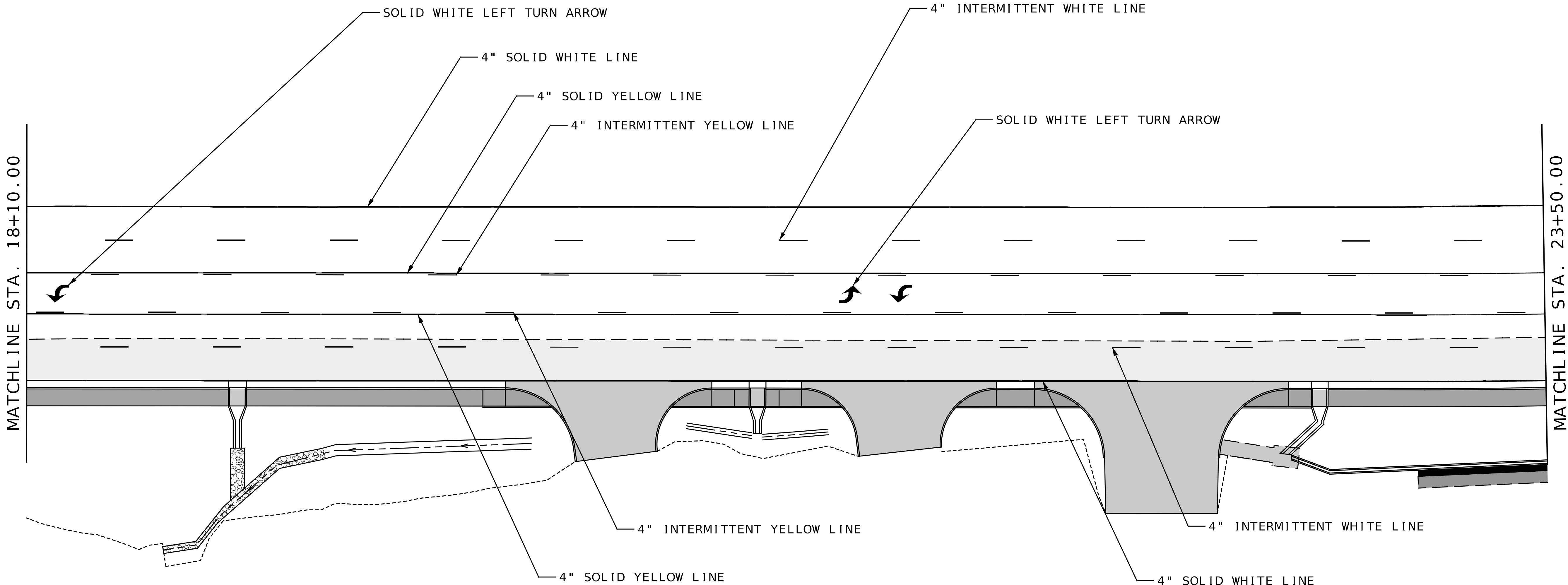
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ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 71
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION

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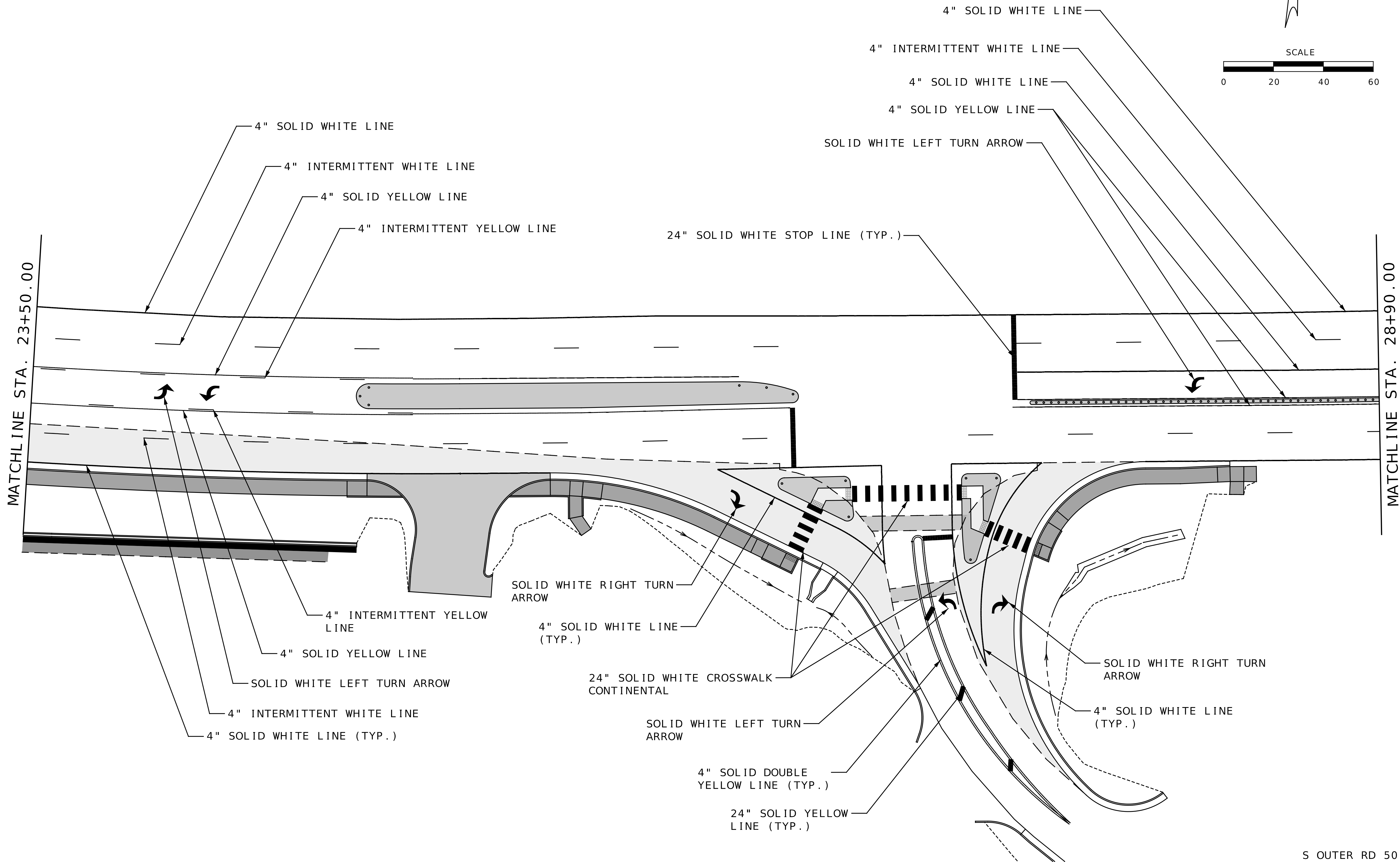
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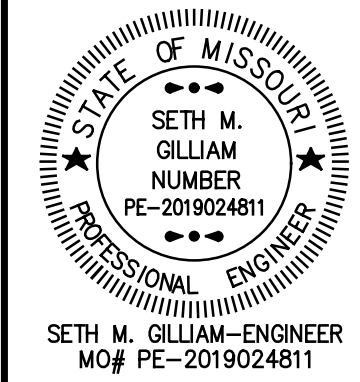
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S OUTER RD 50
PAVEMENT MARKING
SHEET 3 OF 5



S OUTER RD 50
PAVEMENT MARKING
SHEET 4 OF 5



DATE PREPARED 9/3/2025	
ROUTE OR 50	STATE MO
DISTRICT CD	SHEET NO. 72
COUNTY COLE	
JOB NO. J5S3418	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

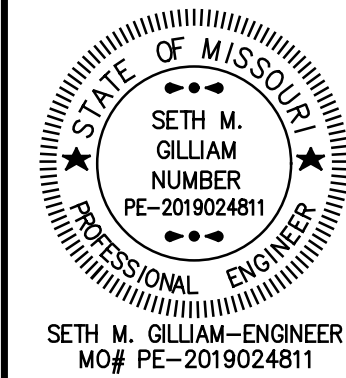
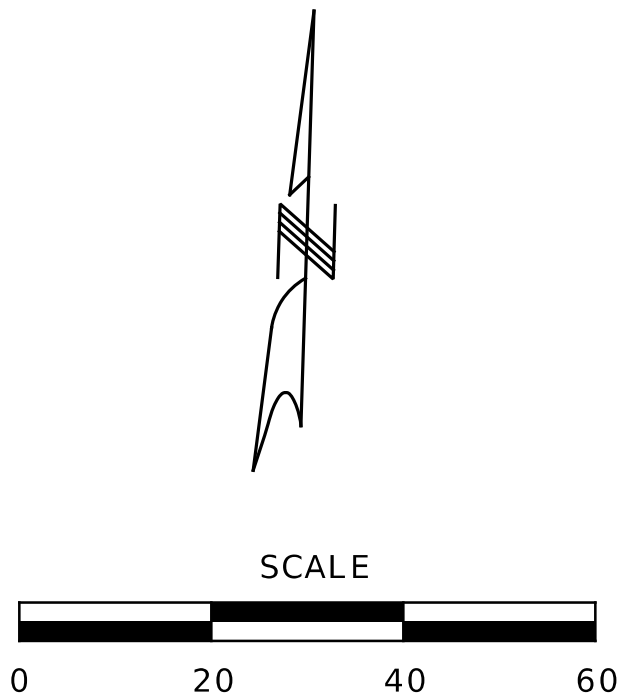
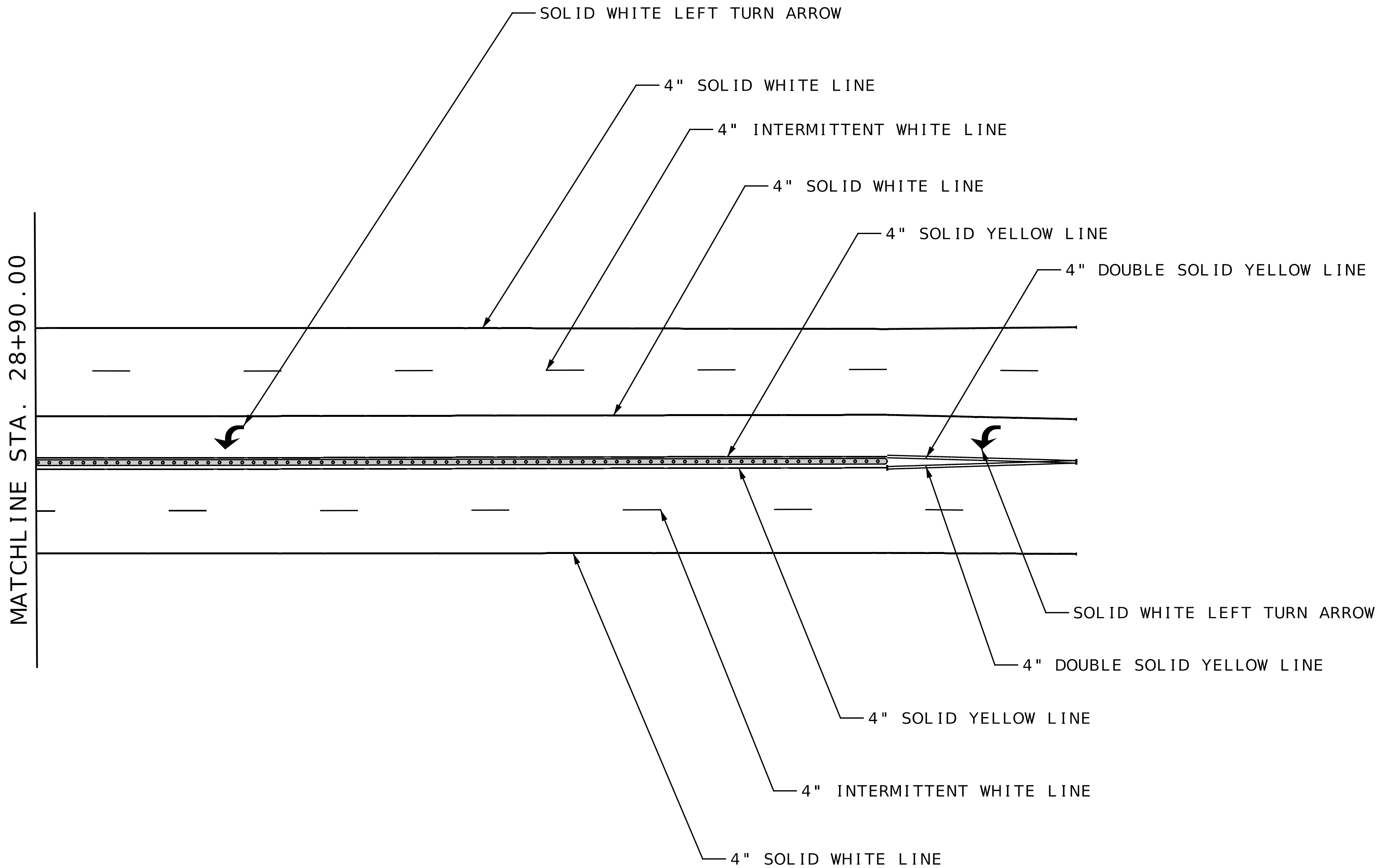
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DATE PREPARED
9/3/2025

ROUTE	STATE
OR 50	MO
DISTRICT	SHEET NO.
CD	73

COUNTY
COLE

JOB NO.
J5S3418

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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S OUTER RD 50
PAVEMENT MARKING
SHEET 5 OF 5

