

DESIGN DESIGNATION

A.A.D.T. - 2025 = 15,086
 A.A.D.T. - 2045 = 30,171
 D.H.V.: = 3.8%
 T = 3.2%
 V = 35 M.P.H.
 D (N/S) = 47.3%/52.7%
 FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO NEW RIGHT OF WAY WILL BE ACQUIRED FOR THIS PROJECT



NOT TO SCALE

CONVENTIONAL SYMBOLS

(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

ABBREVIATIONS

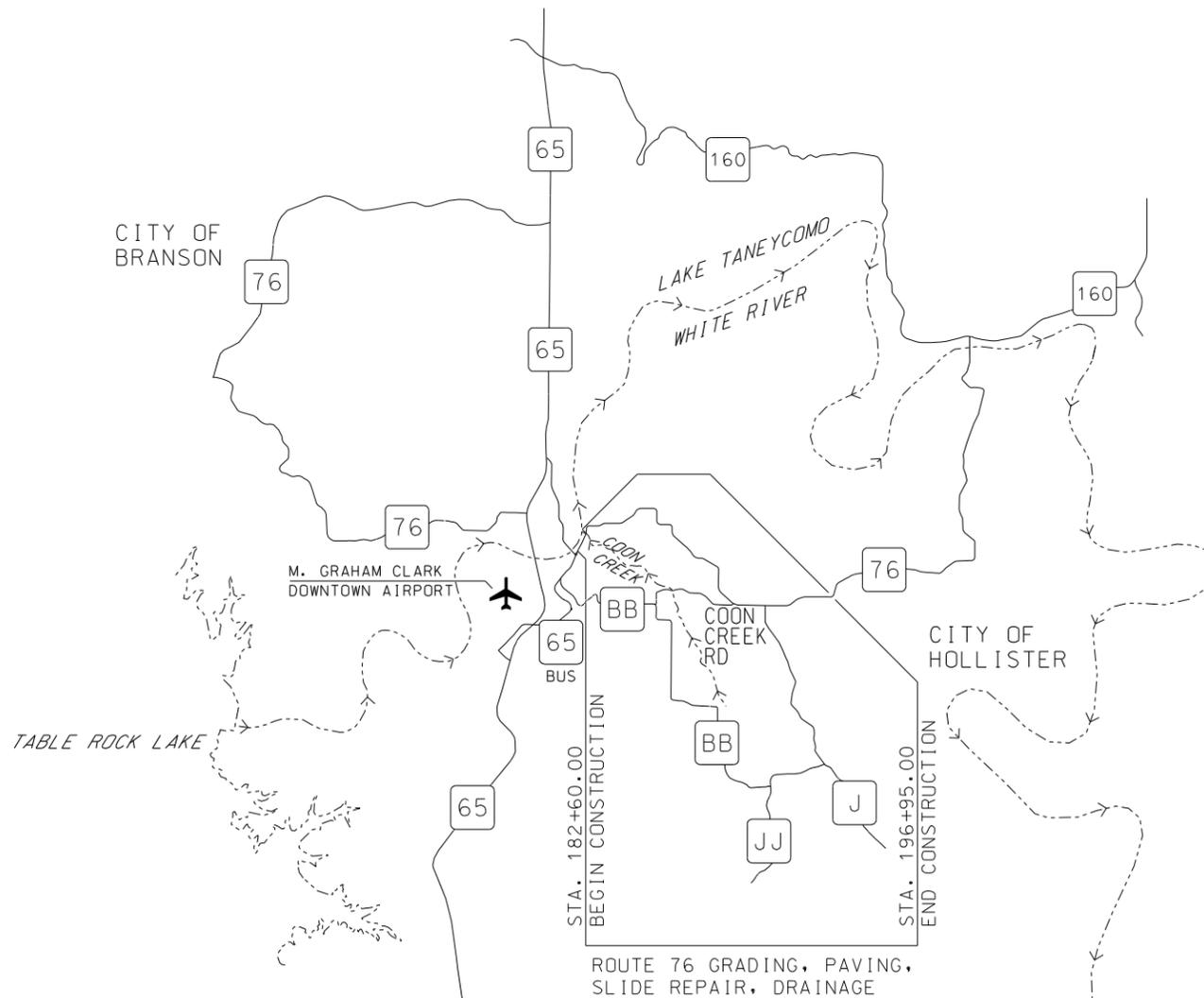
PR = PROPOSED
 R/W = RIGHT OF WAY
 PGL = PROFILE GRADE LINE
 SHLDR = SHOULDER
 XS = CROSS SECTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY



TANEY COUNTY

SECTION 04, TOWNSHIP 22 NORTH, RANGE 21 WEST



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 182+60.00
END OF PROJECT	STA. 196+95.00
APPARENT LENGTH	1435.0 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1435.0 FEET
STATE LENGTH	0.272 MILES

FOR INFORMATION ONLY
 ESTIMATED DISTURBED ACRES 2.32 ACRES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
 2/3/2026

ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 1

COUNTY
 TANEY

JOB NO.
 JSR0326

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)

HANSON
 Hanson Professional Services Inc.
 600 Washington Ave., Suite 950
 St. Louis, Missouri 63101
 Professional Engineer 001632
 www.hanson-inc.com
 314.770.0467

LAYOUT	10/2025
DRAWN	CE
REVIEWED	DK



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/3/2026

ROUTE 76 STATE MO

DISTRICT SW SHEET NO. 2

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MoDOT

Professional Services Inc.

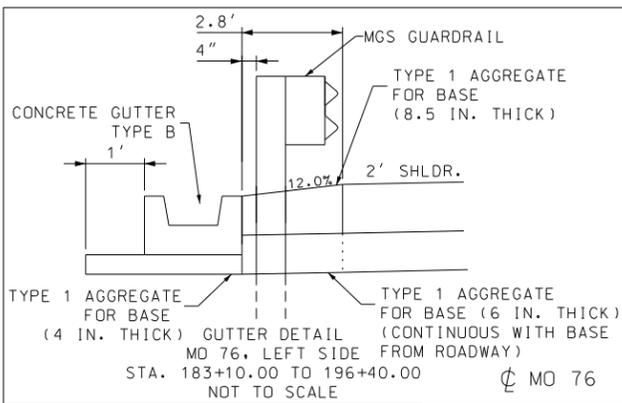
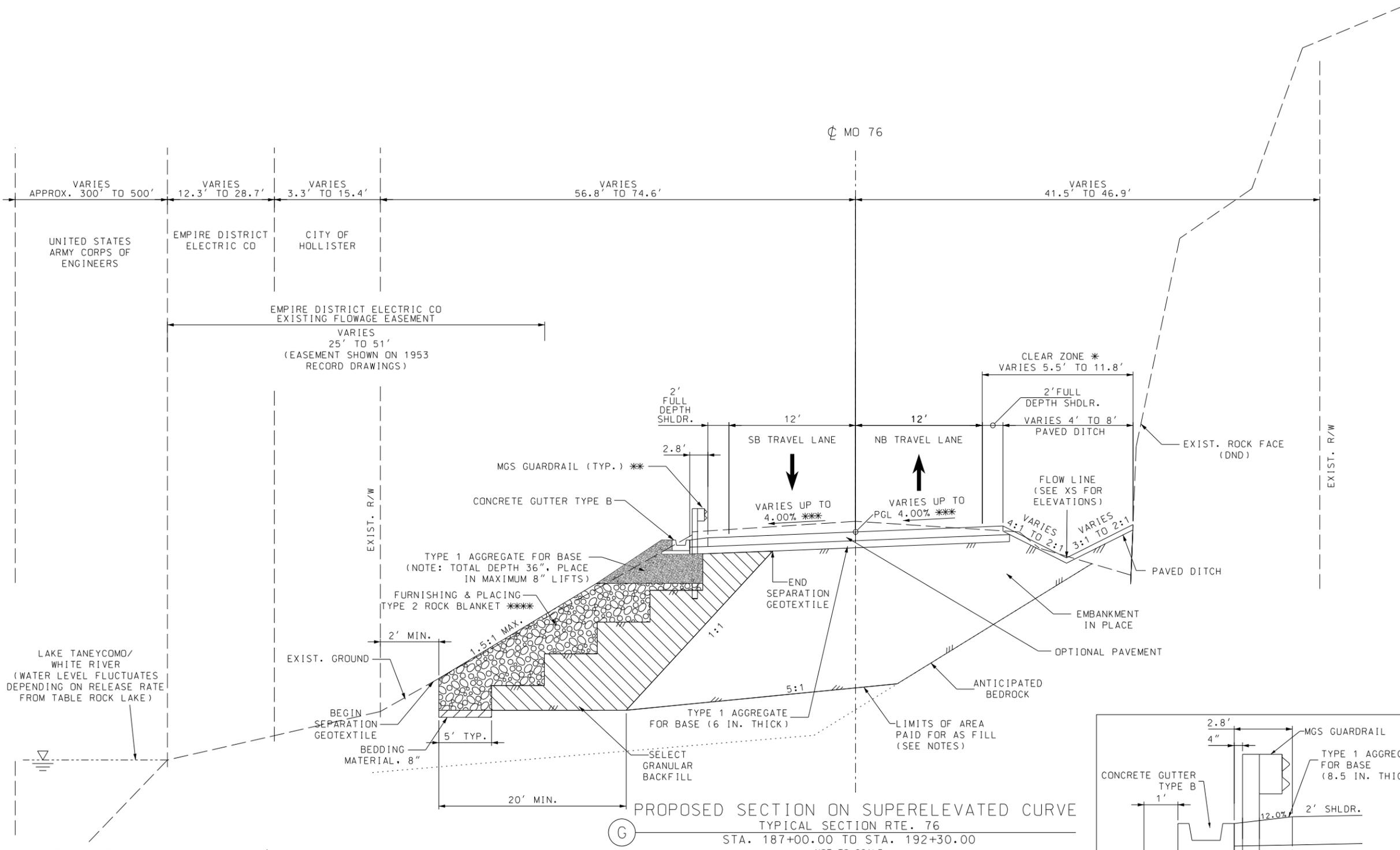
600 Washington Ave., Suite 950

St. Louis, Missouri 63101

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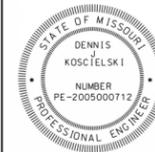


PROPOSED SECTION ON SUPERELEVATED CURVE
TYPICAL SECTION RTE. 76
STA. 187+00.00 TO STA. 192+30.00
NOT TO SCALE

- * FACILITY AND DESIGN SPEED REQUIRES A 16' CLEAR ZONE. A DESIGN EXCEPTION WILL BE SUBMITTED.
- ** CONTRACTOR SHALL NOT PLACE CONCRETE AROUND GUARDRAIL POST. CONTRACTOR SHALL CONSTRUCT BLOCKOUTS FOR AGGREGATE. NO DIRECT PAYMENT FOR AGGREGATE IN BLOCKOUTS SHALL BE MADE. NO CONCRETE SHALL BE PLACED 8" FROM THE GUARDRAIL POST.
- *** SEE PLAN AND PROFILE SHEETS FOR CROSS SLOPE TRANSITIONS.
- **** CONTRACTOR SHALL USE TYPE 2 ROCK BLANKET ABOVE BEDDING MATERIAL WITH PERMANENT EROSION CONTROL GEOTEXTILE.

- NOTES:
- (1) CONTRACTOR SHALL REMOVE AND REPLACE THE ROADWAY EMBANKMENT TO THE LIMITS SHOWN.
 - (2) SEE CROSS SECTIONS FOR AREAS OF FILL AND EXCAVATION

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025



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DATE PREPARED
2/3/2026

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JOB NO. JSR0326

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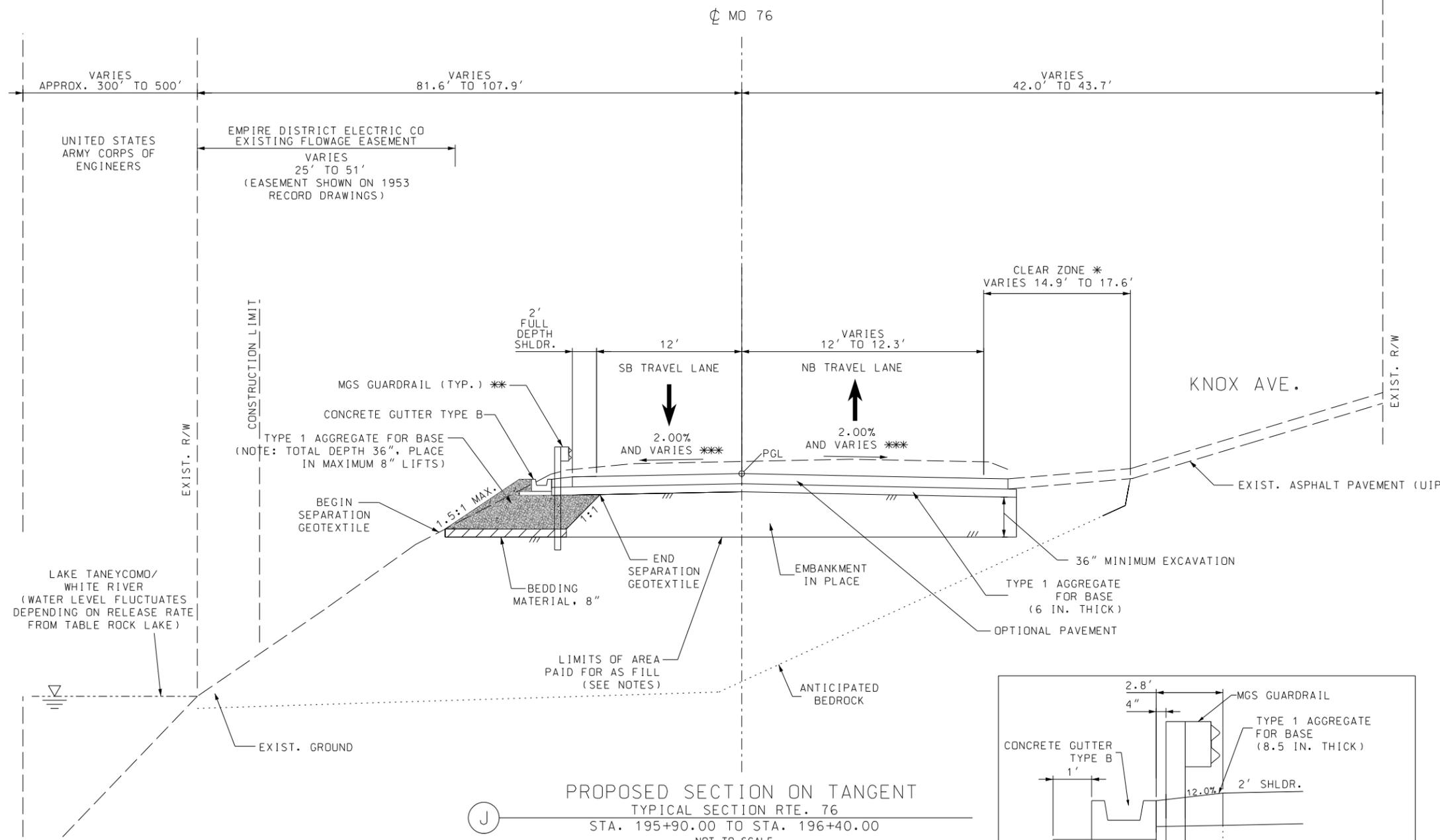
600 Washington Ave., Suite 950

St. Louis, Missouri 63101

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- NOTES:
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TYPICAL SECTIONS
SHEET 7 OF 8

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025



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DATE PREPARED
2/3/2026

ROUTE 76 STATE MO

DISTRICT SW SHEET NO. 2

COUNTY TANEY

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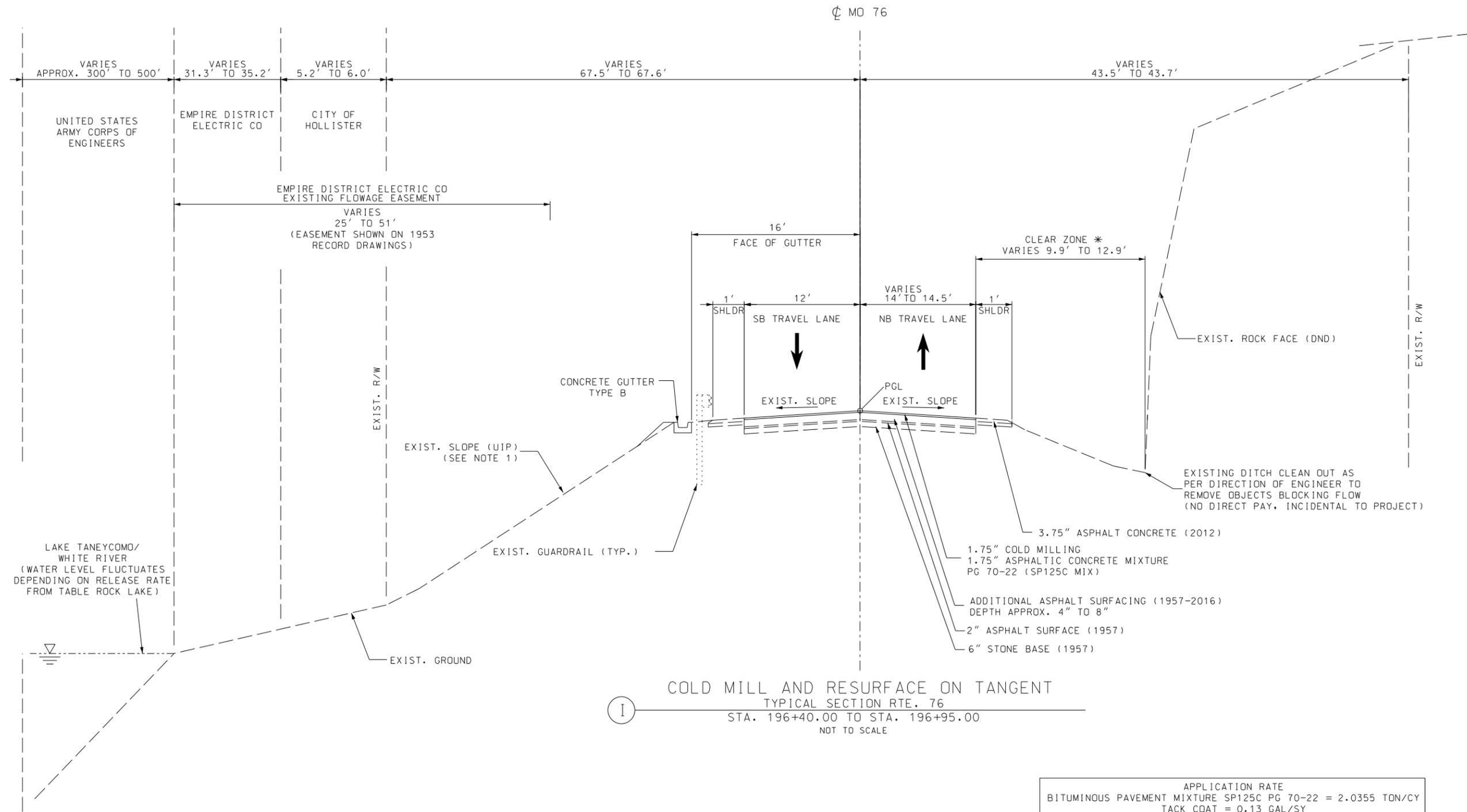
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1-888-ASK-MODOT (1-888-275-6636)



I COLD MILL AND RESURFACE ON TANGENT
TYPICAL SECTION RTE. 76
STA. 196+40.00 TO STA. 196+95.00
NOT TO SCALE

APPLICATION RATE
BITUMINOUS PAVEMENT MIXTURE SP125C PG 70-22 = 2.0355 TON/CY
TACK COAT = 0.13 GAL/SY

NOTES:
(1) EXISTING SLOPE CONSISTS OF RIP-RAP AND GROUTED CONCRETE

TYPICAL SECTIONS
SHEET 8 OF 8

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION
IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.		
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00	1	16.00				CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00	1	16.00				CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00	6	96				SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	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)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	12	192.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00	6	96.00				DETOUR AHEAD
WO20-3	48X48	16.00	4	64.00				ROAD CLOSED AHEAD
WO20-4	48X48	16.00	9	144.00				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	1	16.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	1	16.00				RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	9	144.00				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION		
IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.				
GUIDE SIGNS										
E05-1	36X48	12.00						GORE EXIT		
E05-2	48X36	12.00						EXIT OPEN		
E05-2a	48X36	12.00						EXIT CLOSED		
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES		
GO20-2	48X24	8.00	4	32.00				END ROAD WORK		
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME		
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW		
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW		
GO20-5aP	36X24	6.00	9	54.00				WORK ZONE (PLAQUE)		
MO4-8a	24X18	3.00						END DETOUR		
MO4-9L	48X36	12.00						DETOUR (LEFT)		
MO4-9R	48X36	12.00						DETOUR (RIGHT)		
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)		
MO4-10L	48X18	6.00	2	12.00				DETOUR ARROW (LEFT)		
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)		
REGULATORY SIGNS										
R1-1	48X48	13.25						STOP		
R1-2	48TR1.	6.93						YIELD		
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)		
R1-3P	30X12	2.50						ALL WAY (PLAQUE)		
R2-1	36X48	12.00	18	216.00				SPEED LIMIT XX		
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)		
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)		
R3-3	36X36	9.00						NO TURNS		
R3-4	48X48	16.00						NO U-TURN (SYMBOL)		
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT		
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT		
R4-1	36X48	12.00						DO NOT PASS		
R4-2	36X48	12.00						PASS WITH CARE		
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)		
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)		
R5-1	30X30	6.25						DO NOT ENTER		
R5-1a	36X24	6.00						WRONG WAY		
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)		
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)		
R6-2L	24X30	5.00						ONE WAY (LEFT)		
R6-2R	24X30	5.00						ONE WAY (RIGHT)		
R9-9	24X12	2.00						SIDEWALK CLOSED		
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE		
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE		
R10-6	24X36	6.00	4	24.00				STOP HERE ON RED (45° ARROW)		
R11-2	48X30	10.00	5	50.00				ROAD CLOSED		
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY		
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC		
CONST-3A	60X48	20.00						FINE SIGN		
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)		
MISCELLANEOUS SIGNS										
CONST-5	48X36	12.00						POINT OF PRESENCE		
CONST-5	96X48	32.00	4	128.00				POINT OF PRESENCE		
CONST-8	48X36	12.00	3	36.00				WORK ZONE NO PHONE ZONE		
CONST-7	72X36	18.00	2	36.00				RATE OUR WORK ZONE		
WO30-3	36X36	9.00	6	54.00				SIGNAL AHEAD (SYMBOL)		
SPECIAL	36X78	19.50	28	546.00				DETOUR ROUTE ASSEMBLY		
MISC. {TEMPORARY TRAFFIC CONTROL}										
								PAY TOTAL	1	LS

ITEM	TOTAL	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	1**	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	102	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	14	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6169902	10**	NTCIP COMPLIANT CHANGEABLE MESSAGE SIGN WITH COMMUNICATION INTERFACE, CONTRACTOR FURNISHED/RETAINED
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400	2**	TEMPORARY TRAFFIC SIGNALS (SEE SUBGRARY TABLE ON SHEET 2 OF 4 FOR PAY TOTALS)
9029401		TEMPORARY TRAFFIC SIGNALS



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2/3/2026

ROUTE 76 STATE MO
DISTRICT SW SHEET NO. 5

COUNTY TANEY
JOB NO. JSR0326
CONTRACT ID.

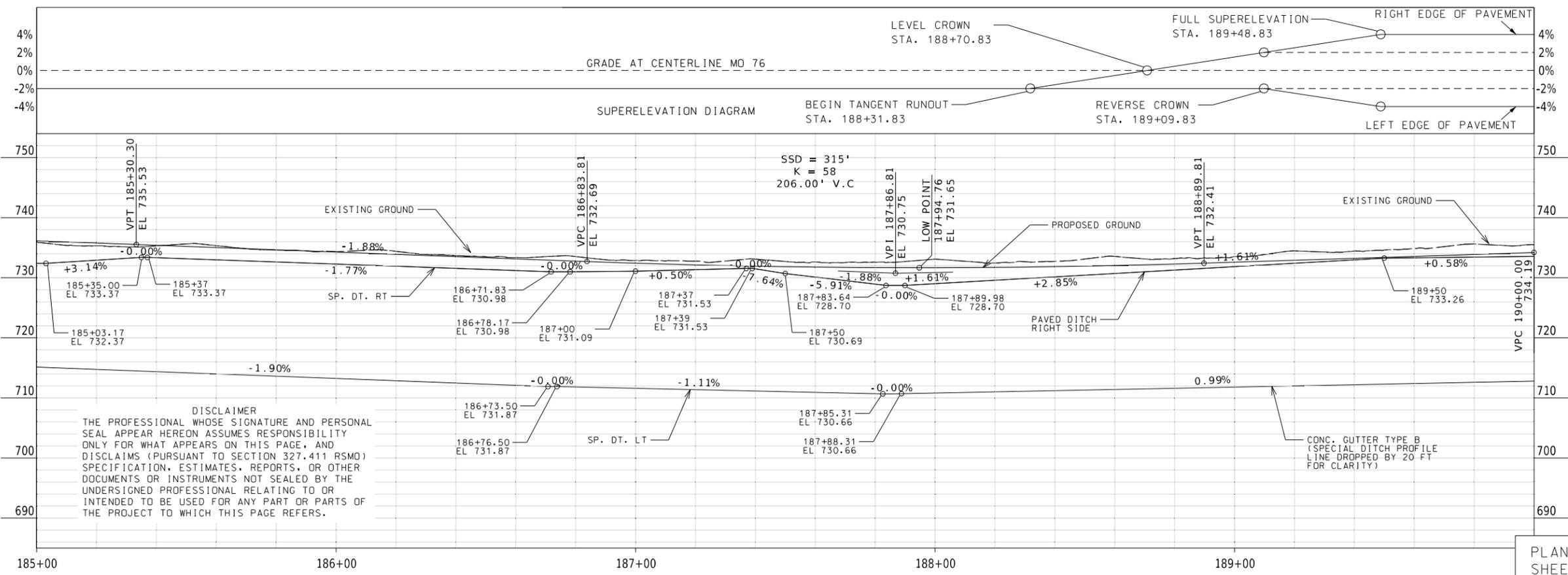
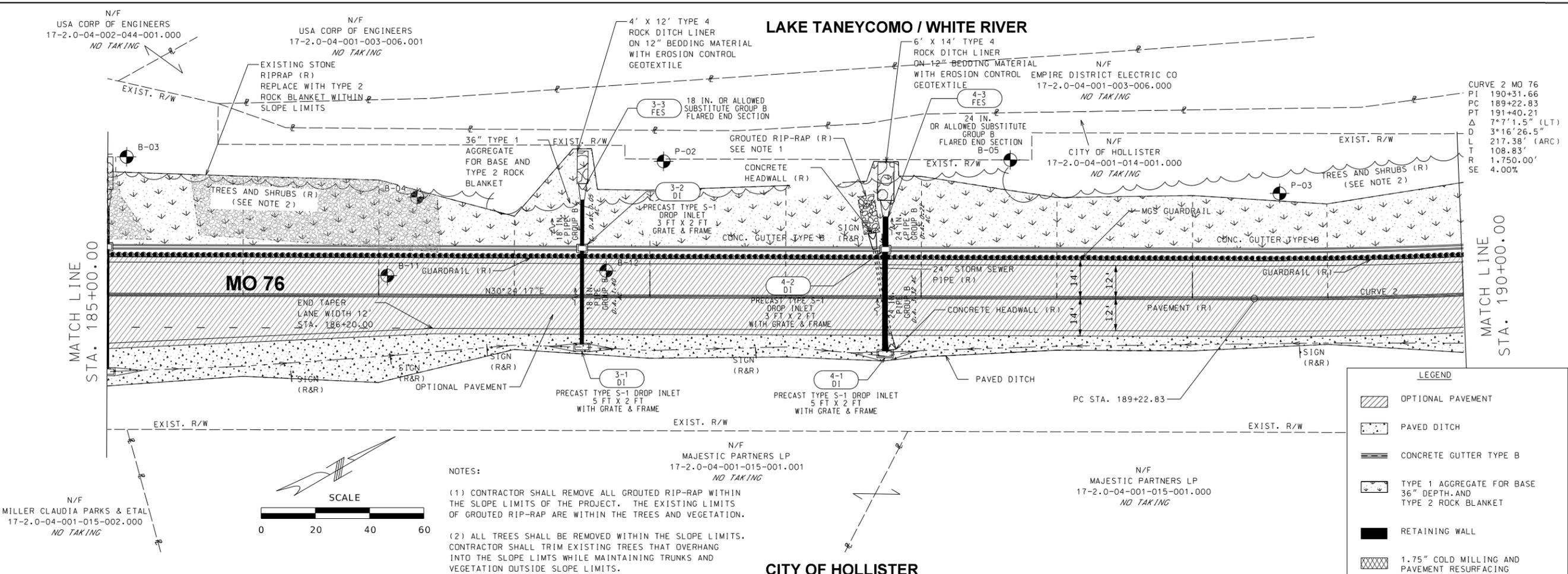
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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PLAN-PROFILE SHEET 2 OF 5



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2/3/2026

ROUTE
76

STATE
MO

DISTRICT
SW

SHEET NO.
6

COUNTY
TANEY

JOB NO.
JSR0326

CONTRACT ID.

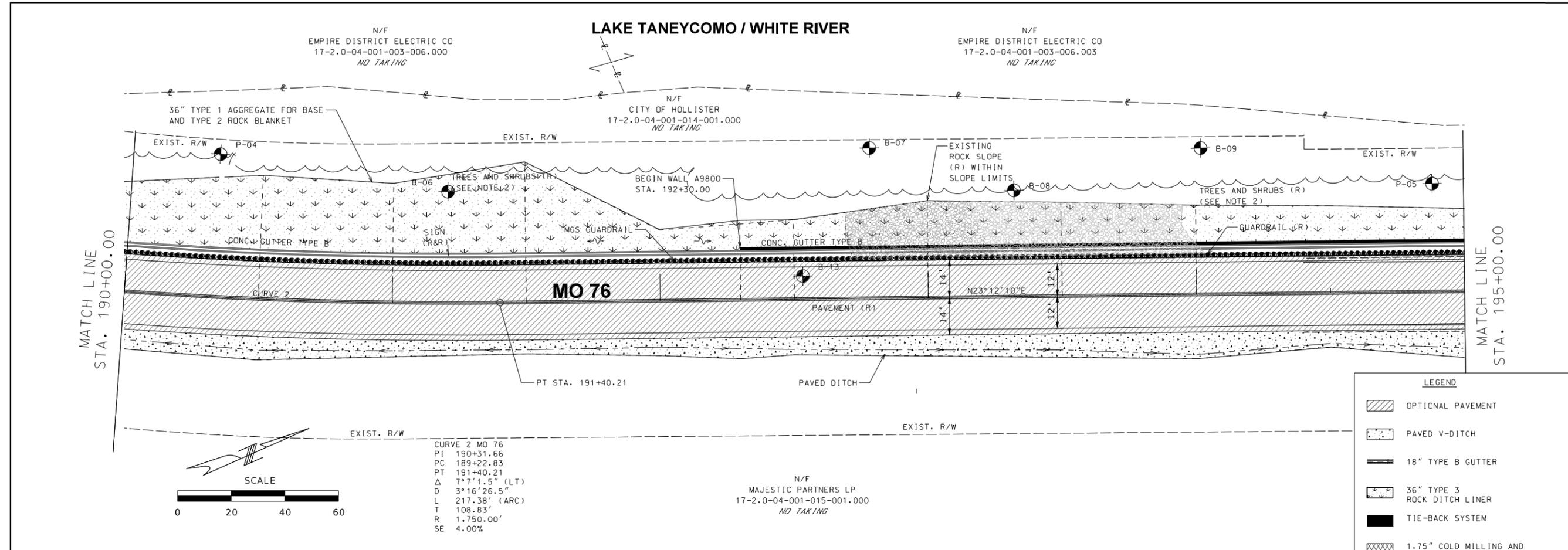
PROJECT NO.

BRIDGE NO.

DESCRIPTION

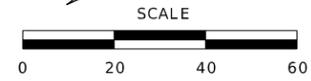
DATE

DESCRIPTION



LEGEND

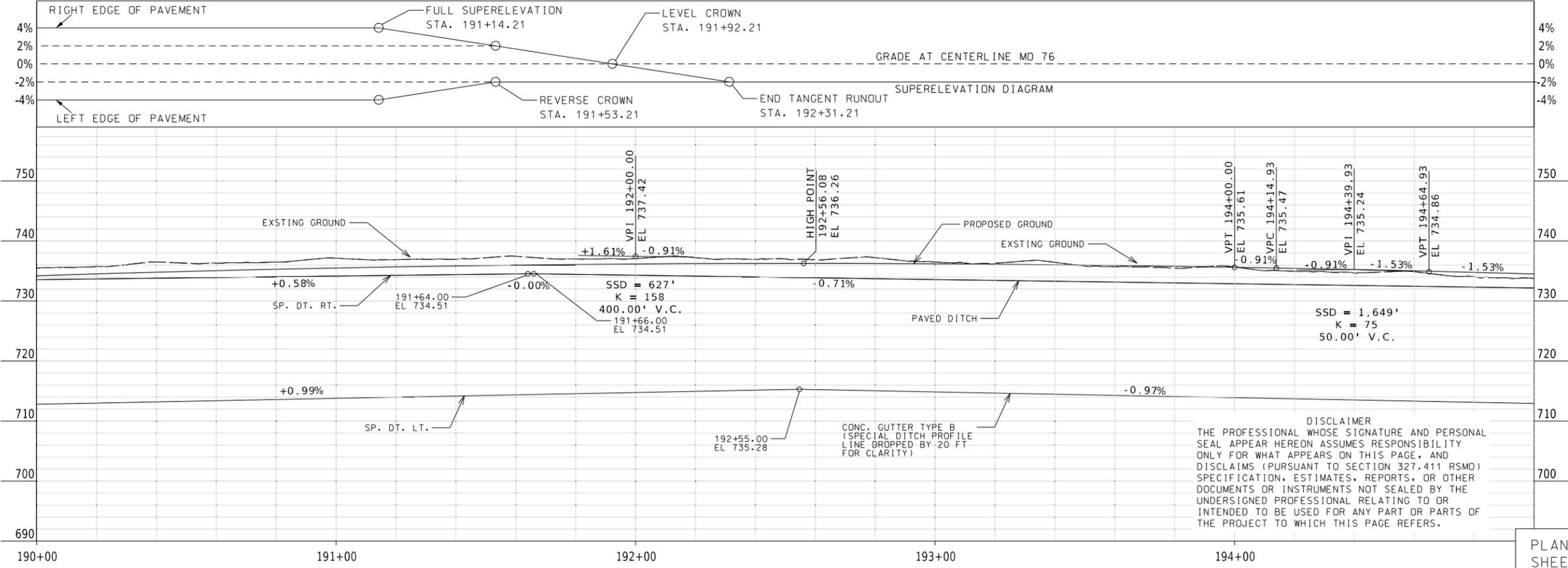
- OPTIONAL PAVEMENT
- PAVED V-DITCH
- 18" TYPE B GUTTER
- 36" TYPE 3 ROCK DITCH LINER
- TIE-BACK SYSTEM
- 1.75" COLD MILLING AND PAVEMENT RESURFACING



CURVE 2 MO 76
 PI 190+31.66
 PC 189+22.83
 PT 191+40.21
 Δ 7° 7' 1.5" (LT)
 D 3° 16' 26.5"
 L 217.38' (ARC)
 T 108.83'
 R 1,750.00'
 SE 4.00%

N/F
 MAJESTIC PARTNERS LP
 17-2.0-04-001-015-001.000
 NO TAKING

CITY OF HOLLISTER



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PLAN-PROFILE
 SHEET 3 OF 5

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
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LAKE TANEYCOMO / WHITE RIVER



N/F
 EMPIRE DISTRICT ELECTRIC CO
 17-2.0-04-001-003-003.000
 NO TAKING

CURVE 3 MO 76
 PI 199+37.14
 PC 197+39.72
 PT 201+29.55
 Δ 22°20'8.1" (LT)
 D 5°43'46.4"
 L 389.83' (ARC)
 T 197.42'
 R 1,000.00'



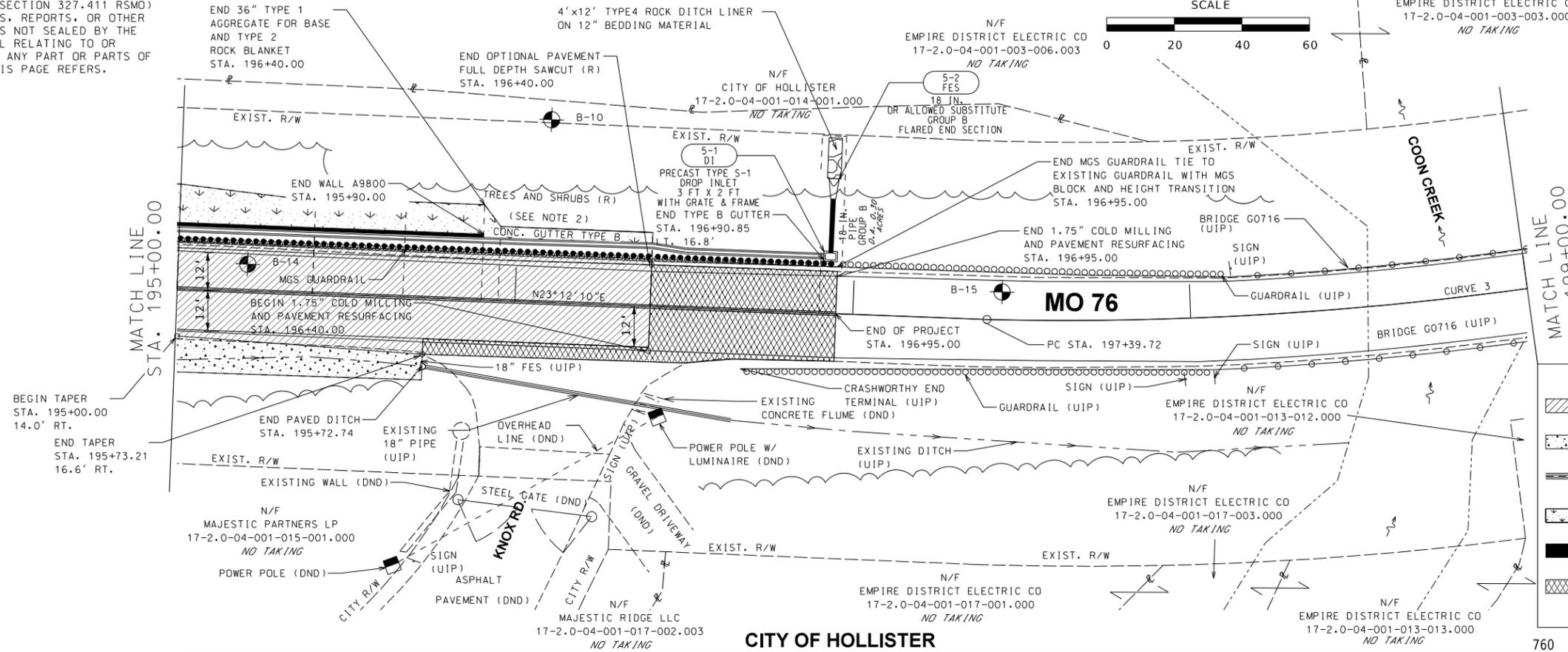
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ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 7

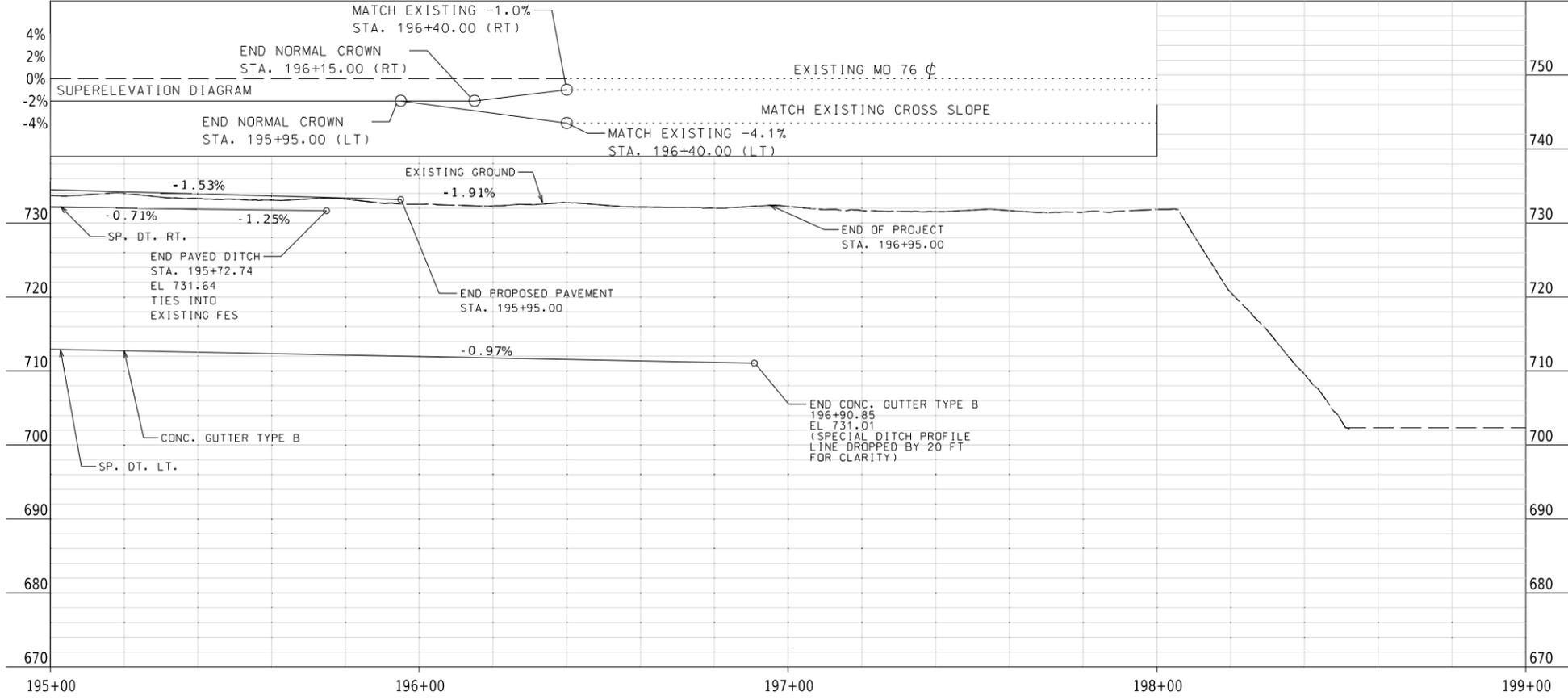
COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.



LEGEND

	OPTIONAL PAVEMENT
	PAVED V-DITCH
	18" TYPE B GUTTER
	36" TYPE 3 ROCK DITCH LINER
	TIE-BACK SYSTEM
	1.75" COLD MILLING AND PAVEMENT RESURFACING



PLAN-PROFILE
 SHEET 4 OF 5

LAYOUT	CE	10/2025
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N/F
 EMPIRE DISTRICT ELECTRIC CO
 17-2.0-04-001-003-003.000
 NO TAKING

N/F
 KIGHTLINGER NORMAN E & BEVERLY J
 17-2.0-04-001-003-002.000
 NO TAKING

MATCH LINE
 STA. 199+00.00

CURVE 3 MO 76
 PI 199+37.14
 PC 197+39.72
 PT 201+29.55
 Δ 22°20'8.1" (LT)
 D 5°43'46.4"
 L 389.83' (ARC)
 T 197.42'
 R 1,000.00'

MO 76

END OF ALIGNMENT
 PT STA. 201+29.55

LEGEND

- OPTIONAL PAVEMENT
- PAVED DITCH
- CONCRETE GUTTER TYPE B
- TYPE 1 AGGREGATE FOR BASE 36" DEPTH AND TYPE 2 ROCK BLANKET
- RETAINING WALL
- 1.75" COLD MILLING AND PAVEMENT RESURFACING

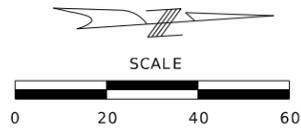
N/F
 EMPIRE DISTRICT ELECTRIC CO
 17-2.0-04-001-013-012.000
 NO TAKING

N/F
 MACHMULLER CHERYL
 17-2.0-04-001-013-006.000
 NO TAKING

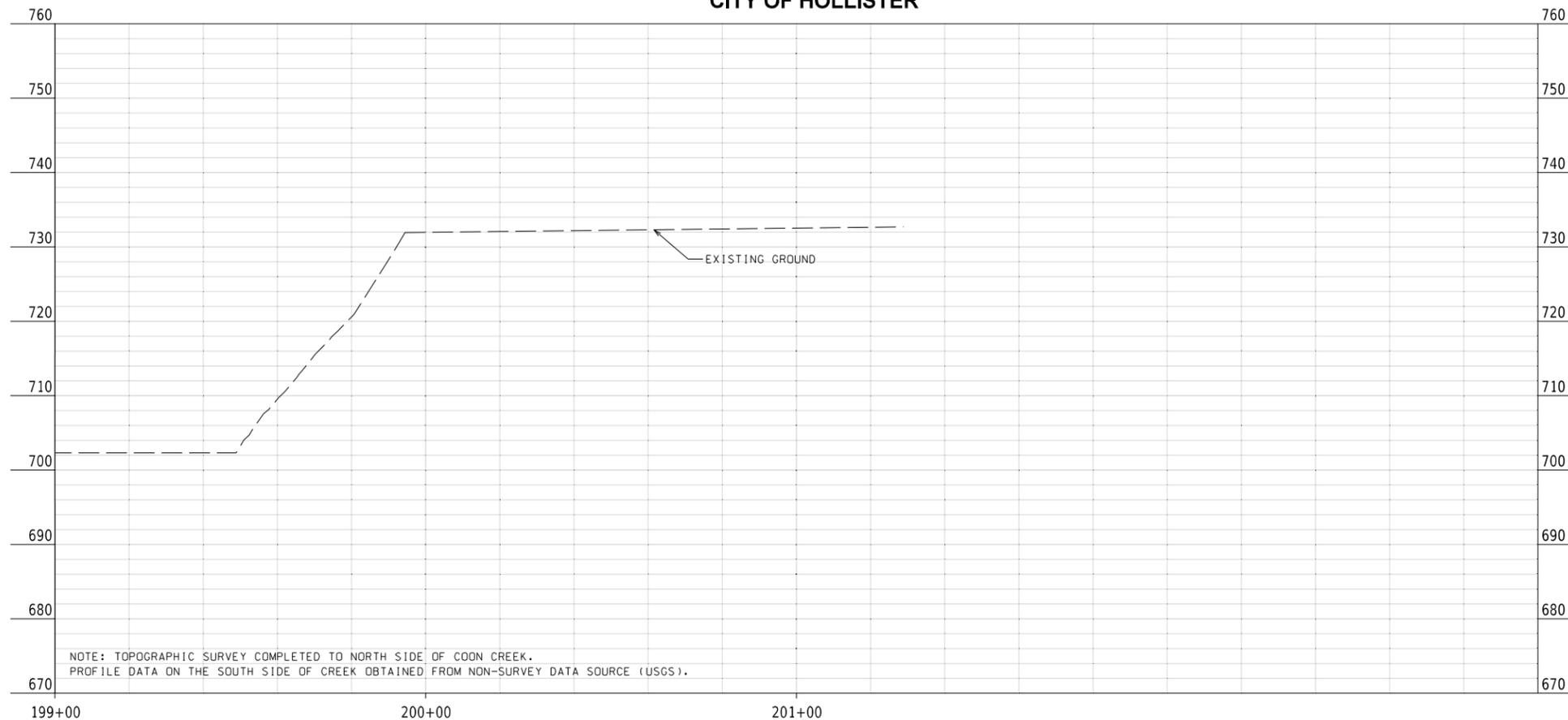
N/F
 BROWN EUGENE
 17-2.0-04-001-013-005.000
 NO TAKING

N/F
 CASTING CREW JK LLC
 17-2.0-04-001-013-003.000
 NO TAKING

N/F
 MARSHALL BRENDA
 17-2.0-04-001-013-002.000
 NO TAKING



CITY OF HOLLISTER



NOTE: TOPOGRAPHIC SURVEY COMPLETED TO NORTH SIDE OF COON CREEK.
 PROFILE DATA ON THE SOUTH SIDE OF CREEK OBTAINED FROM NON-SURVEY DATA SOURCE (USGS).

FOR INFORMATION ONLY

LAYOUT	CE	10/2025
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ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 8

COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

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PLAN-PROFILE
 SHEET 5 OF 5

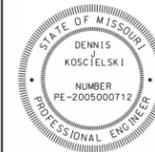
TRAFFIC CONTROL LEGEND

-  WORK AREA
-  CHANNELIZER
-  TRAFFIC SIGN
-  TRAFFIC FLOW ARROW
-  TYPE 3 BARRICADE
-  CHANGEABLE MESSAGE SIGN
-  FLAGGER

NOTES:

1. REFER TO DETOUR SHEET FOR SIGNAGE TO BE SET UP DURING CONSTRUCTION.
2. CONTRACTOR SHALL SET UP TRAFFIC CONTROL BEFORE BEGINNING ROADWORK.
3. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS AND INSTALLATION COMPLY WITH THE FULL EXTENT OF THE LATEST EDITION OF THE MUTCD.
4. CONTRACTOR SHALL FIELD ADJUST INSTALLATIONS, AS APPROVED BY THE ENGINEER.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
6. EXISTING SIGNS WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE THAT CONFLICT WITH TEMPORARY SIGNAGE SHALL BE COVERED.

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DATE PREPARED
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ROUTE
 76 STATE
 MO

DISTRICT
 SW SHEET NO.
 14

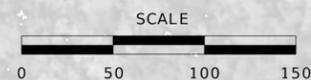
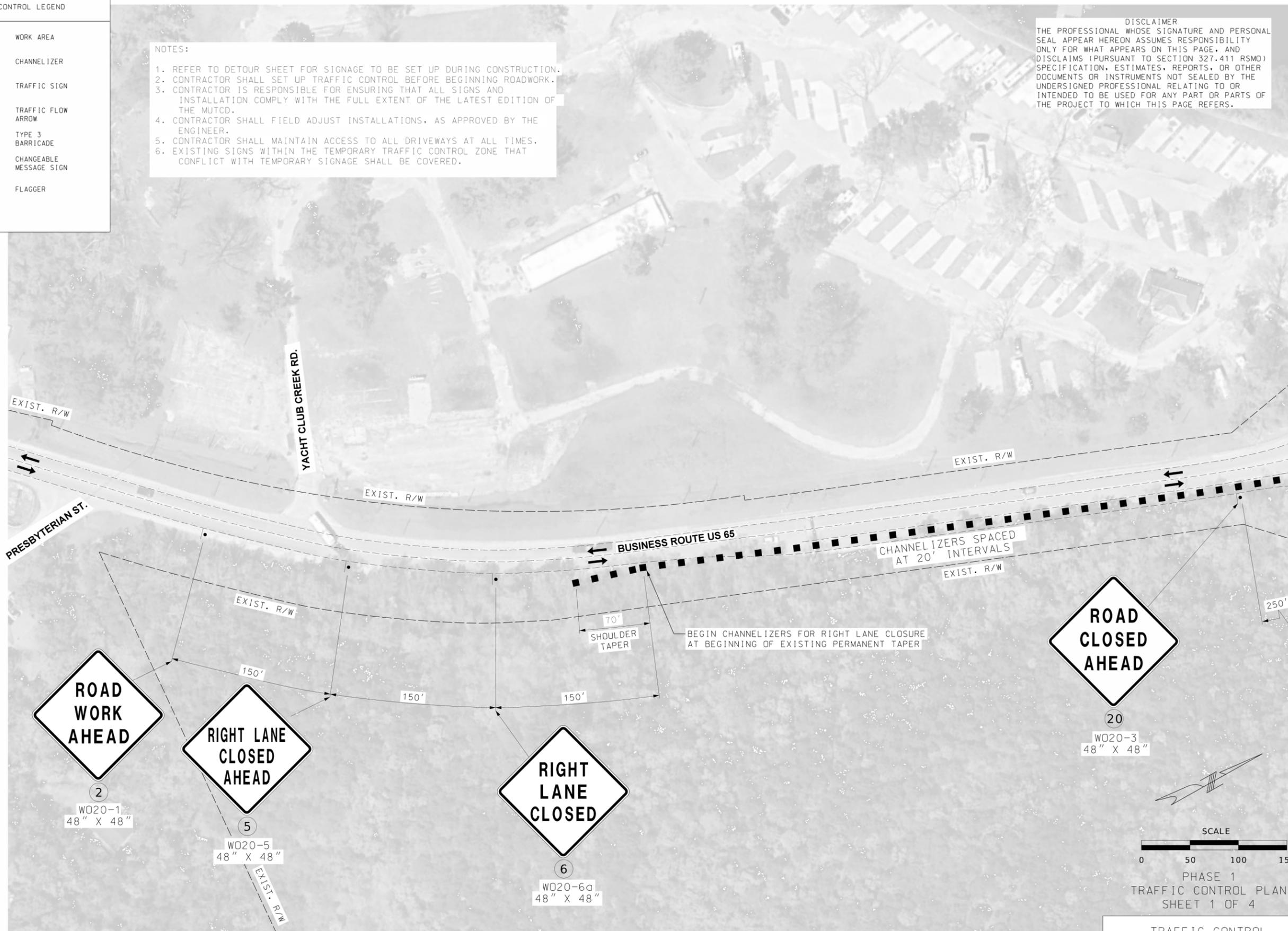
COUNTY
 TANEY

JOB NO.
 JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



PHASE 1
 TRAFFIC CONTROL PLAN
 SHEET 1 OF 4

TRAFFIC CONTROL
 SHEET 2 OF 14

LAYOUT	GE	09/2025
DRAWN	GE	09/2025
REVIEWED	DKK	09/2025

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



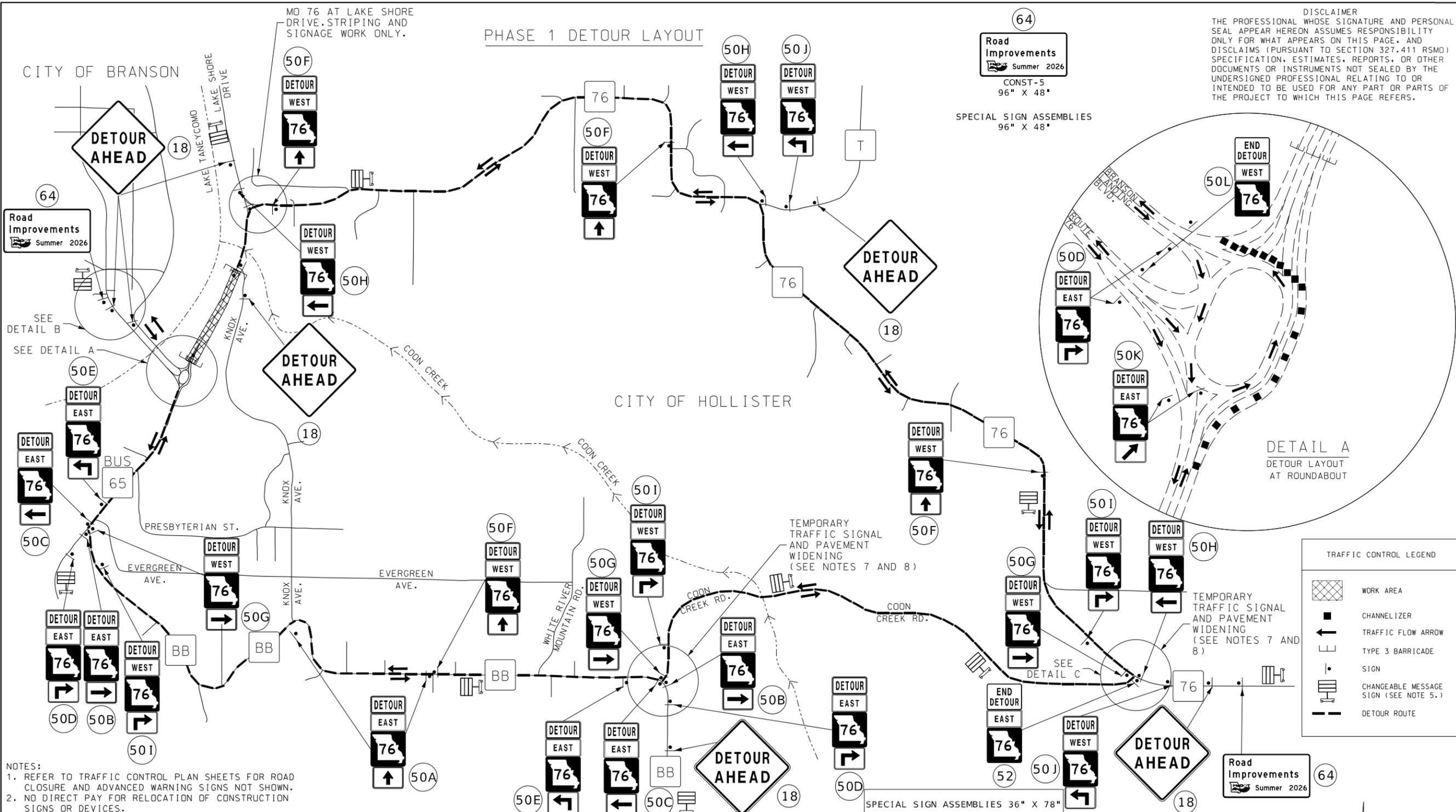
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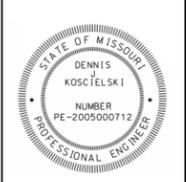


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PHASE 1 DETOUR LAYOUT



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DATE PREPARED
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ROUTE	STATE
76	MO
DISTRICT	SHEET NO.
SW	18
COUNTY	
TANEY	
JOB NO.	
JSR0326	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DETAIL A
 DETOUR LAYOUT AT ROUNDABOUT

TRAFFIC CONTROL LEGEND

	WORK AREA
	CHANNELIZER
	TRAFFIC FLOW ARROW
	TYPE 3 BARRICADE
	SIGN
	CHANGEABLE MESSAGE SIGN (SEE NOTE 5.)
	DETOUR ROUTE

- NOTES:
- REFER TO TRAFFIC CONTROL PLAN SHEETS FOR ROAD CLOSURE AND ADVANCED WARNING SIGNS NOT SHOWN.
 - NO DIRECT PAY FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.
 - SIGN AND DEVICE LOCATIONS WILL BE VERIFIED AND APPROVED BY THE ENGINEER.
 - ALL SIGNS THAT ARE IN CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED. NO DIRECT PAY TO COVER / UNCOVER EXISTING SIGNS.
 - CHANGEABLE MESSAGE SIGNS TO BE PLACED 14-CALENDAR DAYS PRIOR TO CLOSING ROUTE 76 (SEE JOB SPECIAL PROVISIONS FOR DETAILS). CMS LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL RELOCATE CMS AS DIRECTED BY THE ENGINEER FOR NO DIRECT PAY FOR THE DURATION OF THE PROJECT. PLACE CMS TO AVOID EXISTING DRIVEWAYS, ENTRANCES, AND SIDE STREETS.
 - CONTRACTOR SHALL SET UP ROAD CLOSURE PER THIS LAYOUT.
 - CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNAL PRIOR TO ACTIVATING THIS DETOUR ROUTE.
 - CONTRACTOR SHALL COMPLETE PAVEMENT WIDENING PRIOR TO ACTIVATING THIS DETOUR ROUTE.

	50A	50B	50C	50D	50E	52	50F	50G	50H	50I	50J	50K	50L
	DETOUR EAST	END DETOUR EAST	DETOUR WEST	DETOUR EAST	END DETOUR WEST								
	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8a	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8a
	24" X 12"	24" X 18"	24" X 12"										
	M3-2P	M3-2P	M3-2P	M3-2P	M3-2P	M3-2P	M3-4P	M3-4P	M3-4P	M3-4P	M3-4P	M3-2P	M3-4P
	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"					
	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5
	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"					
	M6-3P	M6-1PR	M6-1PL	M5-1PR	M5-1PL	M5-1PL	M6-3P	M6-1PR	M6-1PL	M5-1PR	M5-1PL	M6-2PR	M6-2PR
	21" X 15"	21" X 15"	21" X 15"	21" X 15"	48" X 48"	48" X 48"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	48" X 48"	24" X 15"	24" X 15"

NOT TO SCALE
 PHASE 1 DETOUR
 SHEET 1 OF 2

TRAFFIC CONTROL
 SHEET 6 OF 14

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



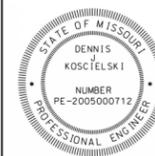
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PHASE 1 DETOUR LAYOUT

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ROUTE 76 STATE MO

DISTRICT SW SHEET NO. 19

COUNTY TANEY

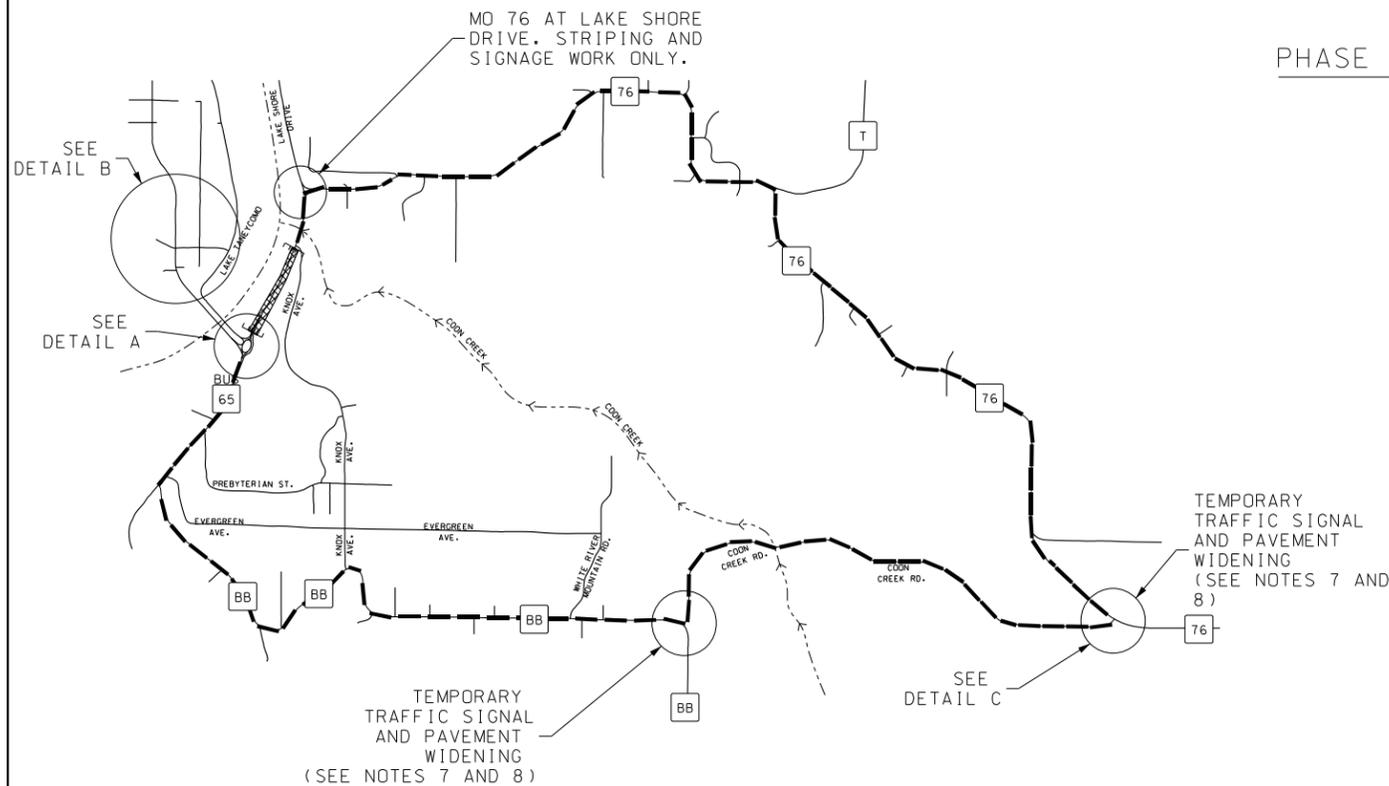
JOB NO. JSR0326

CONTRACT ID.

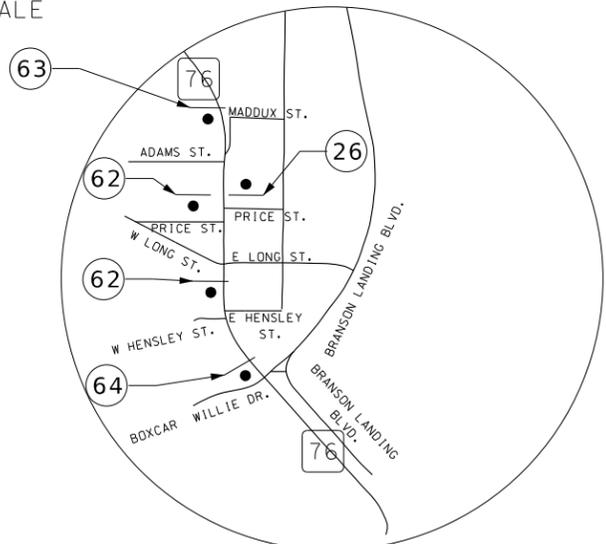
PROJECT NO.

BRIDGE NO.

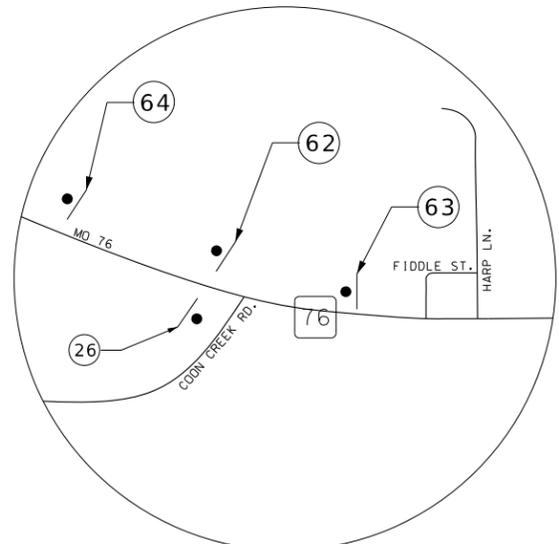
TRAFFIC CONTROL LEGEND	
	WORK AREA
	CHANNELIZER
	TRAFFIC FLOW ARROW
	TYPE 3 BARRICADE
	SIGN
	CHANGEABLE MESSAGE SIGN
	DETOUR ROUTE



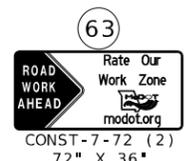
KEY MAP
 NOT TO SCALE



DETAIL B
 NOT TO SCALE



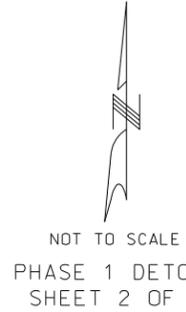
DETAIL C
 NOT TO SCALE



SPECIAL SIGN ASSEMBLIES
 96" X 48"

- NOTES:
- REFER TO TRAFFIC CONTROL PLAN SHEETS FOR ROAD CLOSURE AND ADVANCED WARNING SIGNS NOT SHOWN.
 - NO DIRECT PAY FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.
 - SIGN AND DEVICE LOCATIONS WILL BE VERIFIED AND APPROVED BY THE ENGINEER.
 - ALL SIGNS THAT ARE IN CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED. NO DIRECT PAY TO COVER / UNCOVER EXISTING SIGNS.
 - CHANGEABLE MESSAGE SIGNS TO BE PLACED 14-CALENDAR DAYS PRIOR TO CLOSING ROUTE 76 (SEE JOB SPECIAL PROVISIONS FOR DETAILS).
 - CONTRACTOR SHALL SET UP ROAD CLOSURE PER THIS LAYOUT.
 - CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNAL PRIOR TO ACTIVATING THIS DETOUR ROUTE.
 - CONTRACTOR SHALL COMPLETE PAVEMENT WIDENING PRIOR TO ACTIVATING THIS DETOUR ROUTE.

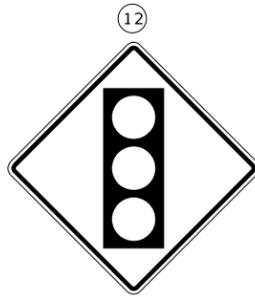
SPECIAL SIGN ASSEMBLIES 36" X 78"													
MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8a	MO4-8						
24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 18"	24" X 12"						
M3-2P	M3-2P	M3-2P	M3-2P	M3-2P	M3-2P	M3-2P	M3-4P	M3-4P	M3-4P	M3-4P	M3-4P	M3-2P	M3-4P
24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"	24" X 12"
M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5	M1-5
24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"	24" X 24"
M6-3P	M6-1PR	M6-1PL	M5-1PR	M5-1PL	M5-1PL	M6-3P	M6-1PR	M6-1PL	M5-1PR	M5-1PL	M5-1PL	M6-2PR	M6-2PR
21" X 15"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	48" X 48"	21" X 15"	48" X 48"	24" X 15"					



TRAFFIC CONTROL
 SHEET 7 OF 14

LAYOUT	CE	10/2025
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R10-6L
 24" X 36"
 (SEE NOTE 14)

W03-3
 36" X 36"
 PLACE 500' PRIOR
 TO STOP BAR
 (SEE NOTE 14)

NOTES:

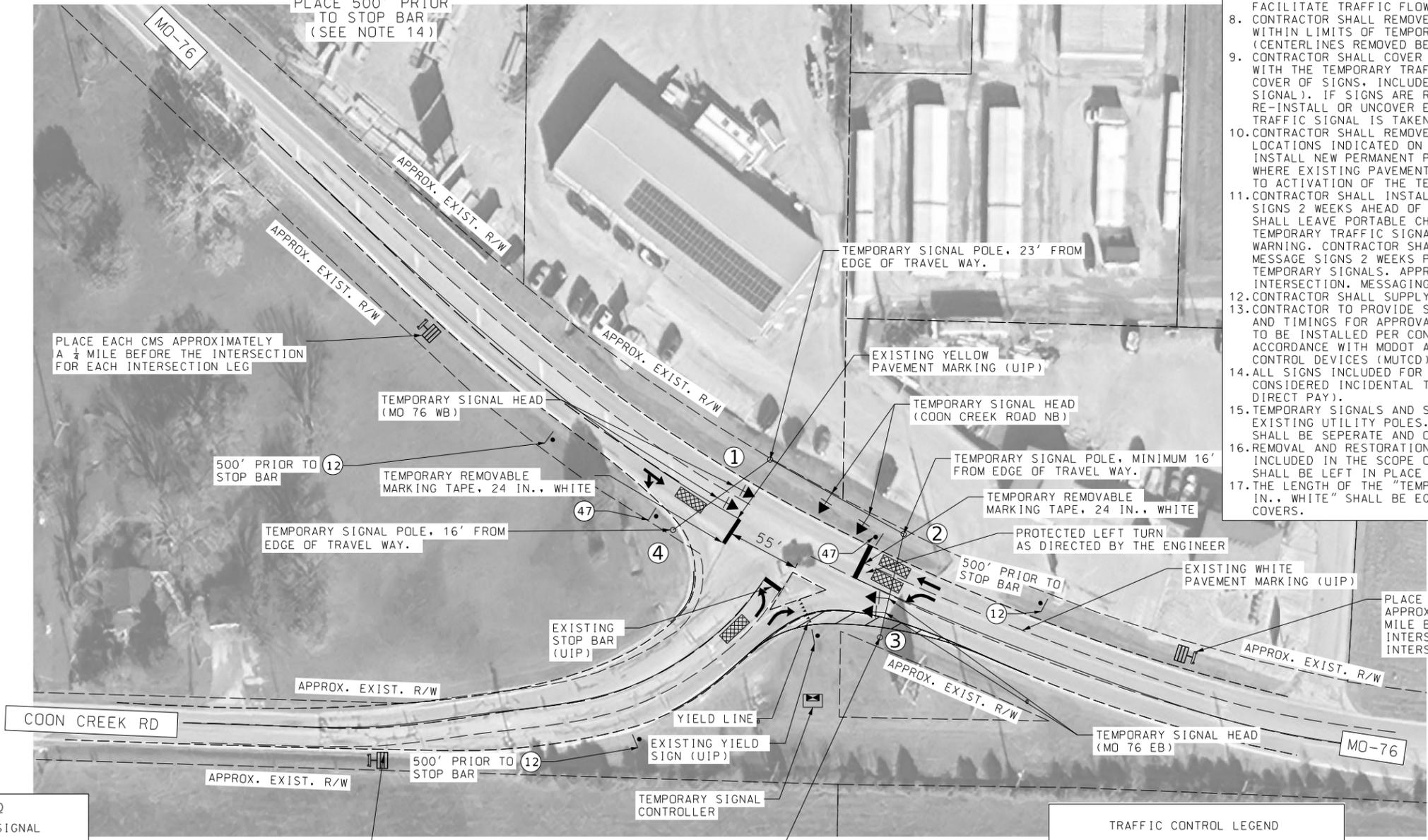
- CONTRACTOR SHALL LOCATE AND INSTALL 3 TEMPORARY POLES NEAR LOCATIONS INDICATED ON PLANS. LOCATION SHALL AVOID EXISTING UTILITIES AND OTHER FEATURES.
- CONTRACTOR SHALL INSTALL TEMPORARY POLES AND SIGNAL EQUIPMENT PRIOR TO ACTIVATION OF THE DETOUR ROUTE AT A LOCATION APPROVED BY ENGINEER.
- CONTRACTOR SHALL INSTALL CONTROLLER OUTSIDE THE WORK AREA.
- CONTRACTOR SHALL COORDINATE POWER CONNECTIONS AND PAYMENT WITH UTILITY COMPANY.
- CONTRACTOR SHALL INSTALL SPAN WIRE BETWEEN EACH TEMPORARY TRAFFIC SIGNAL.
- CONTRACTOR SHALL INSTALL SIGNAL HEADS PER CONTRACTOR DESIGN. HEADS SHOWN ON PLANS ARE FOR INFORMATION ONLY.
- TEMPORARY SIGNAL EQUIPMENT SHALL REMAIN FOR THE ENTIRE DURATION THAT THE DETOUR ROUTE IS ACTIVE. CONTRACTOR SHALL MAINTAIN TEMPORARY SIGNAL AND TROUBLE SHOOT SIGNAL AS REQUESTED BY ENGINEER TO FACILITATE TRAFFIC FLOW.
- CONTRACTOR SHALL REMOVE CENTERLINE STRIPING ON MO76 WITHIN LIMITS OF TEMPORARY SIGNAL INTERSECTION (CENTERLINES REMOVED BETWEEN ALL STOP BARS).
- CONTRACTOR SHALL COVER OR REMOVE ALL SIGNS IN CONFLICT WITH THE TEMPORARY TRAFFIC SIGNAL (NO DIRECT PAY FOR COVER OF SIGNS, INCLUDED IN COST OF TEMPORARY TRAFFIC SIGNAL). IF SIGNS ARE REMOVED, CONTRACTOR SHALL RE-INSTALL OR UNCOVER EXISTING SIGNS AFTER TEMPORARY TRAFFIC SIGNAL IS TAKEN OUT OF USE.
- CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AT LOCATIONS INDICATED ON PLANS. THE CONTRACTOR SHALL INSTALL NEW PERMANENT PAVEMENT MARKINGS AT LOCATIONS WHERE EXISTING PAVEMENT MARKINGS WERE REMOVED PRIOR TO ACTIVATION OF THE TEMPORARY TRAFFIC SIGNALS.
- CONTRACTOR SHALL INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS 2 WEEKS AHEAD OF SIGNAL ACTIVATION. CONTRACTOR SHALL LEAVE PORTABLE CHANGEABLE MESSAGE SIGNS DURING TEMPORARY TRAFFIC SIGNAL OPERATIONS FOR ADDITIONAL WARNING. CONTRACTOR SHALL REMOVE PORTABLE CHANGEABLE MESSAGE SIGNS 2 WEEKS PRIOR TO DEACTIVATION OF THE TEMPORARY SIGNALS. APPROXIMATELY 1,500-FT BEFORE THE INTERSECTION, MESSAGING ON CMS TO BE APPROVED BY ENGINEER.
- CONTRACTOR SHALL SUPPLY POWER, SOLAR OR HARDWIRE.
- CONTRACTOR TO PROVIDE SIGNED/SEALED SIGNAL PHASING AND TIMINGS FOR APPROVAL OF THE ENGINEER. SIGNAL HEADS TO BE INSTALLED PER CONTRACTOR DESIGN AND SHALL BE IN ACCORDANCE WITH MODOT AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
- ALL SIGNS INCLUDED FOR TEMPORARY TRAFFIC SIGNAL ARE CONSIDERED INCIDENTAL TO TEMPORARY TRAFFIC SIGNALS (NO DIRECT PAY).
- TEMPORARY SIGNALS AND SPAN WIRES SHALL NOT BE MOUNTED TO EXISTING UTILITY POLES. ALL TEMPORARY SIGNAL FACILITIES SHALL BE SEPARATE AND OPERATE INDEPENDENTLY.
- REMOVAL AND RESTORATION OF THE INTERSECTION SHALL BE INCLUDED IN THE SCOPE OF WORK. TEMPORARY WIDENING PAVEMENT SHALL BE LEFT IN PLACE AT THE CONCLUSION OF THE PROJECT.
- THE LENGTH OF THE "TEMPORARY REMOVABLE MARKING TAPE, 24 IN., WHITE" SHALL BE EQUAL TO THE TOTAL LANE WIDTHS IT COVERS.



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DATE PREPARED	
2/3/2026	
ROUTE	STATE
76	MO
DISTRICT	SHEET NO.
SW	20
COUNTY	
TANEY	
JOB NO.	
JSR0326	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

NOT TO SCALE



LEGEND

	TEMPORARY SIGNAL CONTROLLER
	VIDEO DETECTION ZONE
	TEMPORARY POLE
	TEMPORARY SIGNAL HEAD
	TRAFFIC FLOW ARROW
	TEMPORARY STOP BAR
	PORTABLE CHANGEABLE MESSAGE SIGN
	SIGN

TRAFFIC CONTROL LEGEND

	FULL DEPTH ASPHALT SHOULDER WIDENING (SEE WIDENING SHEETS)
--	--

PLACE EACH CMS APPROXIMATELY A 1/4 MILE BEFORE THE INTERSECTION FOR EACH INTERSECTION LEG

PLACE EACH CMS APPROXIMATELY A 1/4 MILE BEFORE THE INTERSECTION FOR EACH INTERSECTION LEG

NOT TO SCALE
 MO 76 AND COON CREEK RD
 TEMPORARY TRAFFIC SIGNAL

TRAFFIC CONTROL
 SHEET 8 OF 14

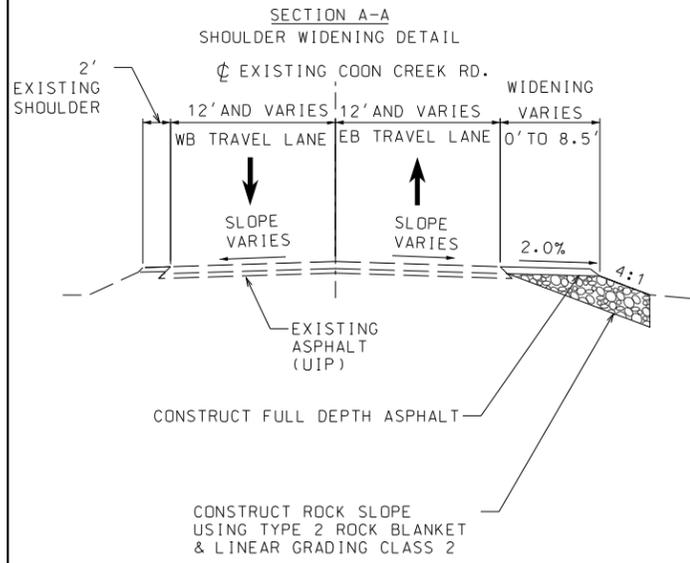
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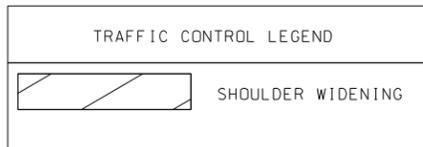
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HMA DESIGN
10" HMA
2" SP125C w/ PG 70-22
OVER 2" SP125C w/ PG 70-22
OVER 6" SP190C OR SP250C
w/ PG 64-22
BASE TYPE
6" TYPE 1
AGGREGATE BASE



NOTES:

- ALL WORK SHALL REMAIN ON MODOT'S EXISTING RIGHT OF WAY. LIMITS TO BE ADJUSTED TO STAY WITHIN EXISTING RIGHT OF WAY.
- WORK TO BE CONSTRUCTED USING DAYTIME CLOSURES. SEE ONE LANE WITH FLAGGER DETAIL INCLUDED IN PLANS.
- NORTHING/EASTING COORDINATES ARE APPROXIMATE LOCATIONS WHERE WIDENING WILL OCCUR. ALL PAVEMENT WIDENING ADJUSTMENT LIMITS SHALL STAY WITHIN EXISTING RIGHT OF WAY. ANY ADJUSTMENT SHALL BE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL DETERMINE THE EXISTING ROW FOR ALL WORK AT THIS INTERSECTION. CONTRACTOR SHALL STAKE THE LIMITS OF EXISTING RIGHT OF WAY AND CONDUCT A PRECONSTRUCTION MEETING WITH THE ENGINEER FOR THIS INTERSECTION. AT THE PRECONSTRUCTION MEETING THE LIMITS OF WIDENING WILL BE DETERMINED BY THE ENGINEER. WIDENING SHALL ONLY BE COMPLETED ON MODOT RIGHT OF WAY. NO WIDENING SHALL BE COMPLETED ON COUNTY OR CITY RIGHT OF WAY.



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DATE PREPARED
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ROUTE **76** STATE **MO**

DISTRICT **SW** SHEET NO. **23**

COUNTY
TANEY

JOB NO.
JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

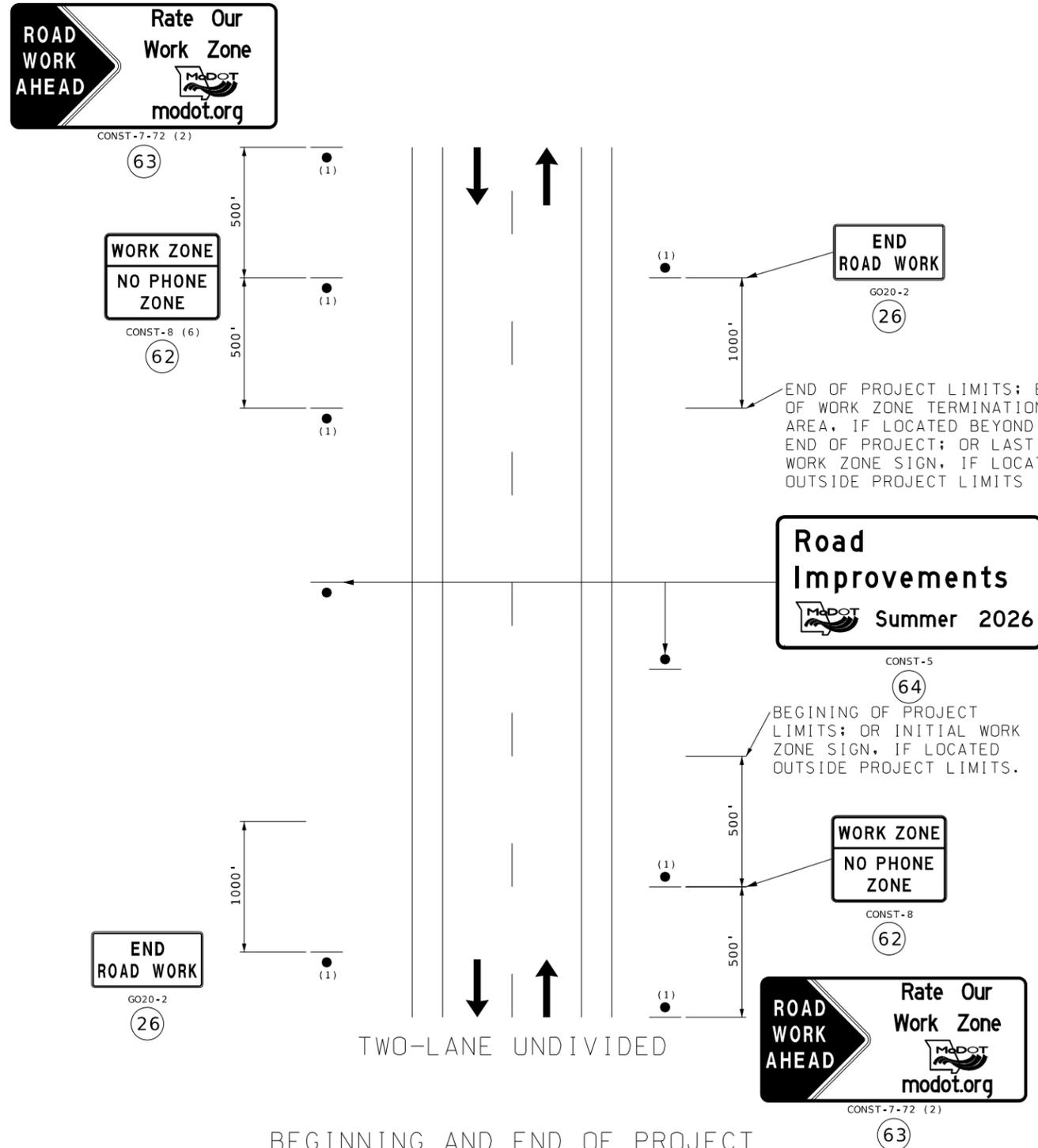
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BEGINNING AND END OF PROJECT
 FOR POSTED SPEED 55 MPH
 TO REMAIN IN PLACE THROUGH DURATION OF ALL PROJECTS
 MO 76

NOTES:

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE OF PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

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

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

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



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DATE PREPARED
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ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 25

COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

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PROJECT SIGNS

TRAFFIC CONTROL
 SHEET 13 OF 14

LAYOUT	CE	10/2025
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REVIEWED	DK	10/2025

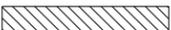
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 DISTRICT SW SHEET NO. 26
 COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE SIDED)
-  WORK ZONE
-  CHANNELIZER
-  FLAGGER

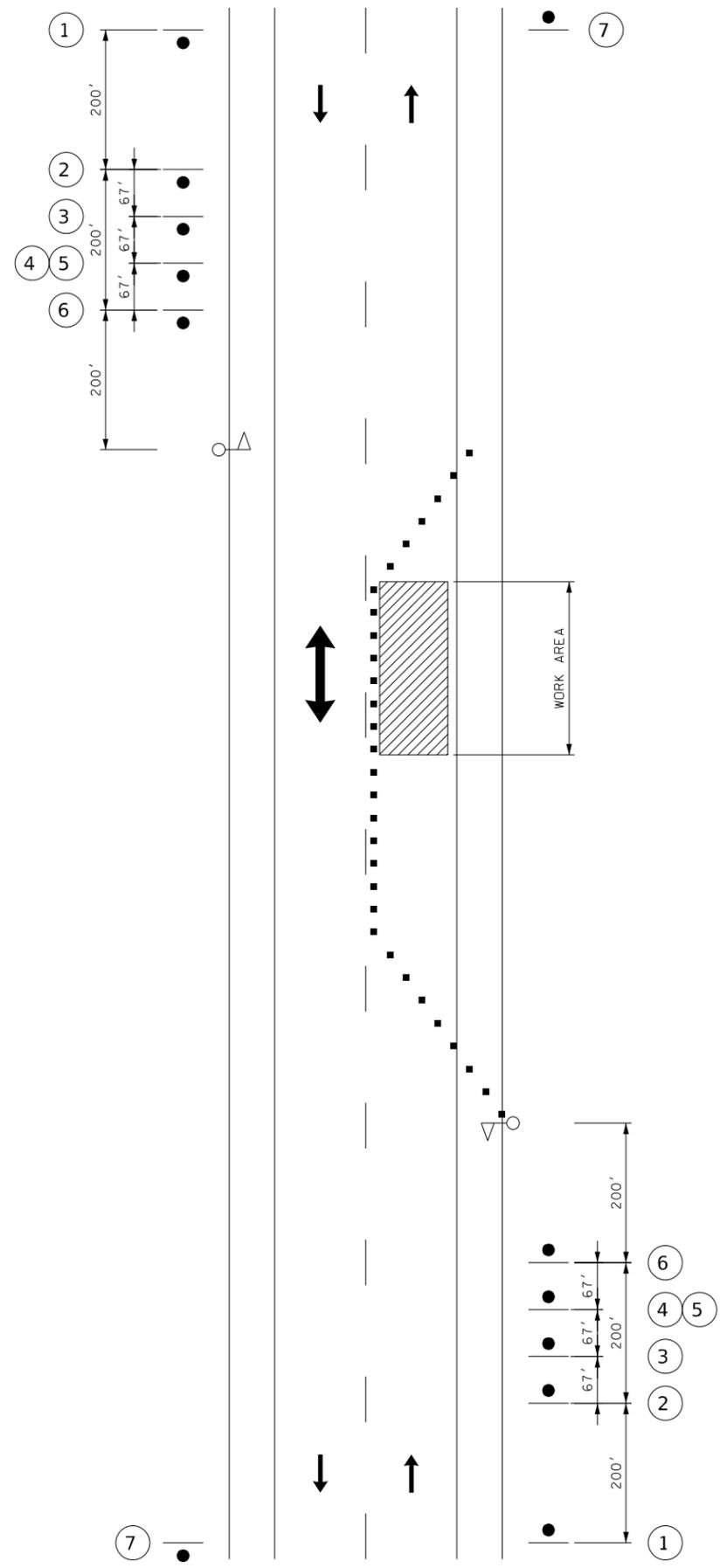
NOTES:

THIS DETAIL MAY ALSO BE APPLIED WITH AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD), PORTABLE SIGNAL FLAGGING DEVICES (PFSD), AND TRAFFIC CONTROL SIGNALS PER APPROVAL OF ENGINEER.

W03-5 SIGN SHALL BE APPLIED IN ALL LOCATIONS WHERE THE APPROVED SPEED REDUCTION IS GREATER THAN 10 MPH BELOW THE EXISTING OR POSTED SPEED LIMIT.

REDUCED SPEED LIMIT SIGNING SHALL BE COMPLETELY COVERED, REMOVED, OR TURNED FROM TRAFFIC WHEN ROAD CONDITIONS NO LONGER REQUIRE REDUCED SPEED.

THIS DETAIL PROVIDES LOCATION AND SEQUENCING FOR WORK ZONE SPEED LIMIT SIGNS. REFER TO APPROPRIATE TYPICAL APPLICATION FOR LOCATION AND SPACING OF ALL OTHER TEMPORARY TRAFFIC CONTROL AS REQUIRED.



W20-1
1



W020-4
2



W03-5
3



R2-1
4



G020-5aP
5



W020-7a
6



R2-1
7

NOT TO SCALE

PROJECT SIGNS
 TRAFFIC CONTROL
 SHEET 14 OF 14

DESCRIPTION

DATE

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DISTRICT SW SHEET NO. 27

COUNTY
TANEY
JOB NO.
JSR0326
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

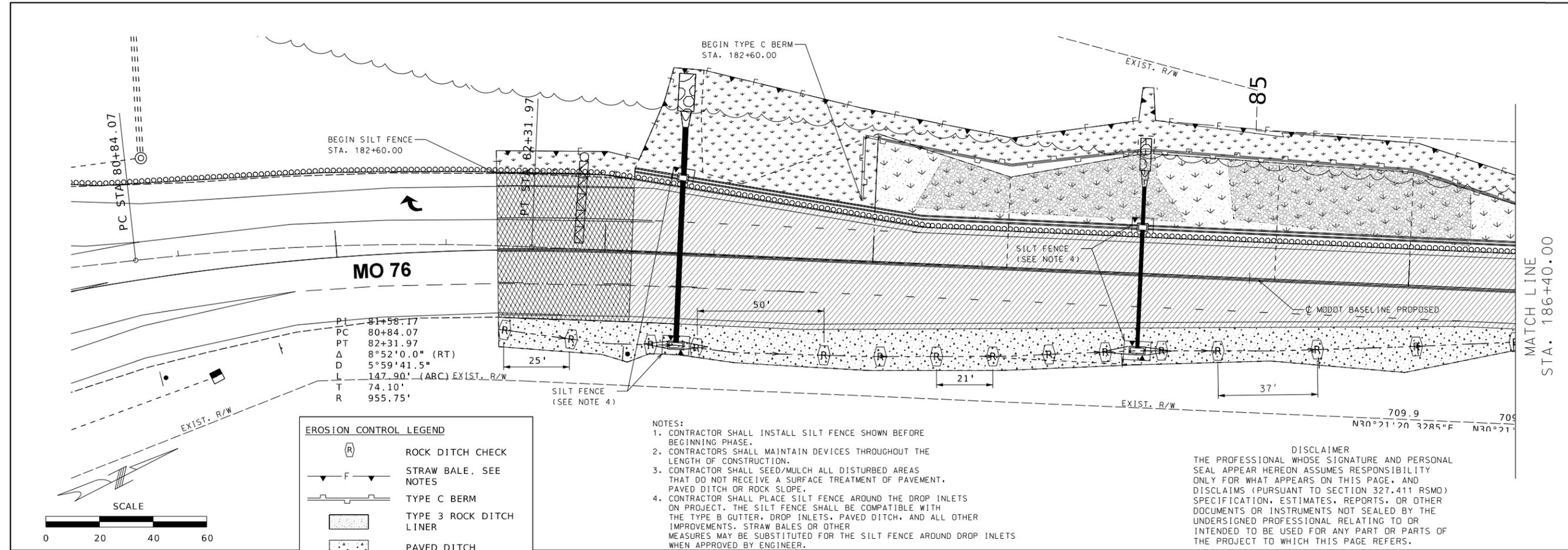
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EROSION CONTROL SHEETS
SHEET 1 OF 2



MO 76

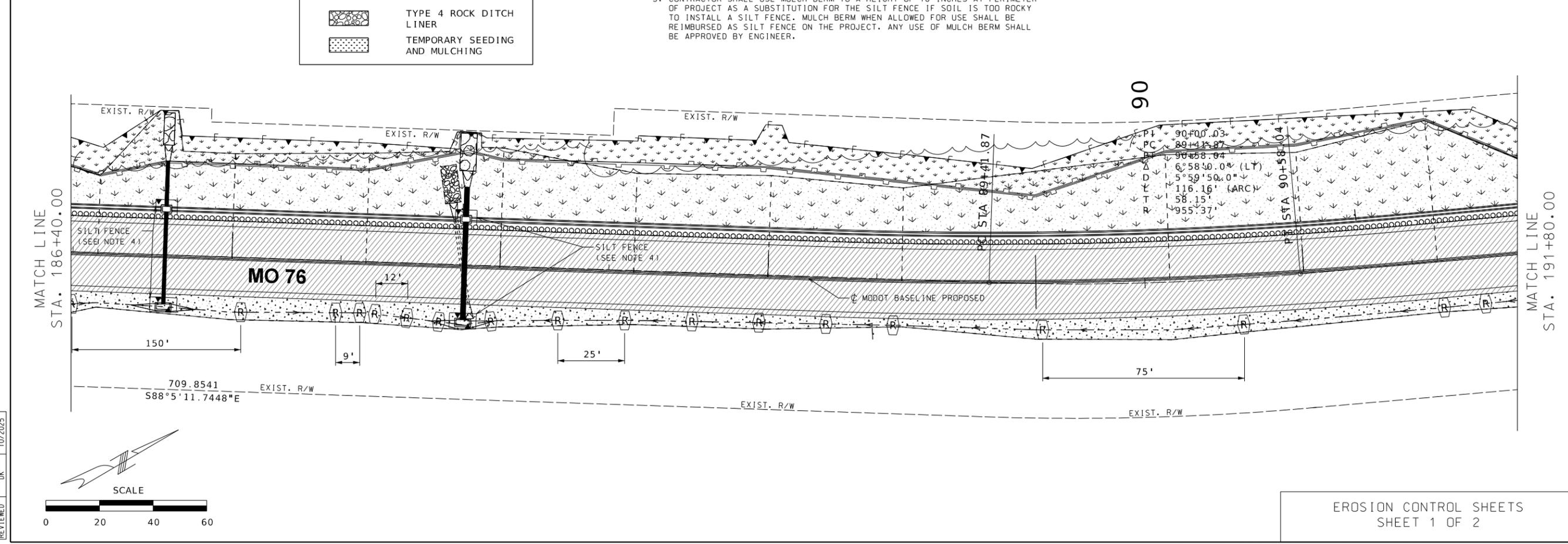
PI	81+58.17
PC	80+84.07
PT	82+31.97
Δ	8°52'0.0" (RT)
D	5°59'41.5"
L	147.90' (ARC) EXIST. R/W
T	74.10'
R	955.75'

EROSION CONTROL LEGEND

	ROCK DITCH CHECK
	STRAW BALES, SEE NOTES
	TYPE C BERM
	TYPE 3 ROCK DITCH LINER
	PAVED DITCH
	TYPE 4 ROCK DITCH LINER
	TEMPORARY SEEDING AND MULCHING

- NOTES:
- CONTRACTOR SHALL INSTALL SILT FENCE SHOWN BEFORE BEGINNING PHASE.
 - CONTRACTORS SHALL MAINTAIN DEVICES THROUGHOUT THE LENGTH OF CONSTRUCTION.
 - CONTRACTOR SHALL SEED/MULCH ALL DISTURBED AREAS THAT DO NOT RECEIVE A SURFACE TREATMENT OF PAVEMENT, PAVED DITCH OR ROCK SLOPE.
 - CONTRACTOR SHALL PLACE SILT FENCE AROUND THE DROP INLETS ON PROJECT. THE SILT FENCE SHALL BE COMPATIBLE WITH THE TYPE B GUTTER, DROP INLETS, PAVED DITCH, AND ALL OTHER IMPROVEMENTS. STRAW BALES OR OTHER MEASURES MAY BE SUBSTITUTED FOR THE SILT FENCE AROUND DROP INLETS WHEN APPROVED BY ENGINEER.
 - CONTRACTOR SHALL USE MULCH BERM TO A HEIGHT OF 18-INCHES AT PERIMETER OF PROJECT AS A SUBSTITUTION FOR THE SILT FENCE IF SOIL IS TOO ROCKY TO INSTALL A SILT FENCE. MULCH BERM WHEN ALLOWED FOR USE SHALL BE REIMBURSED AS SILT FENCE ON THE PROJECT. ANY USE OF MULCH BERM SHALL BE APPROVED BY ENGINEER.

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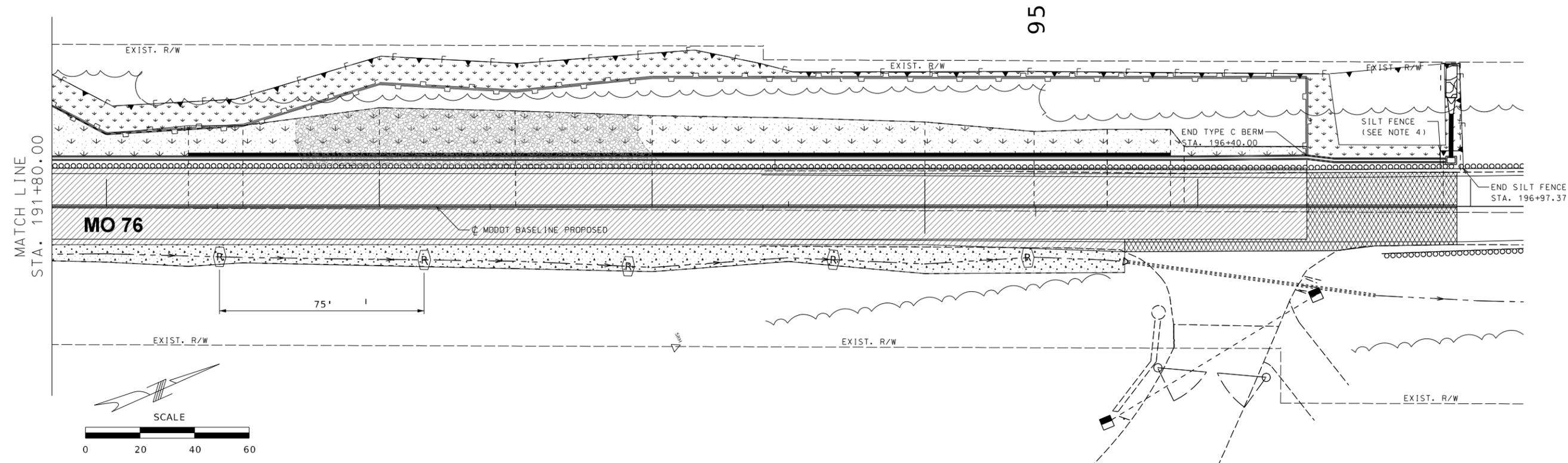
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ROUTE 76 STATE MO
DISTRICT SW SHEET NO. 28

COUNTY TANEY
JOB NO. JSR0326
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION



	ROCK DITCH CHECK
	STRAW BALE, SEE NOTES
	TYPE C BERM
	TYPE 3 ROCK DITCH LINER
	PAVED DITCH
	TYPE 4 ROCK DITCH LINER
	TEMPORARY SEEDING AND MULCHING

- NOTES:
- CONTRACTOR SHALL INSTALL SILT FENCE SHOWN BEFORE BEGINNING PHASE.
 - CONTRACTORS SHALL MAINTAIN DEVICES THROUGHOUT THE LENGTH OF CONSTRUCTION.
 - CONTRACTOR SHALL SEED/MULCH ALL DISTURBED AREAS THAT DO NOT RECEIVE A SURFACE TREATMENT OF PAVEMENT, PAVED DITCH OR ROCK SLOPE.
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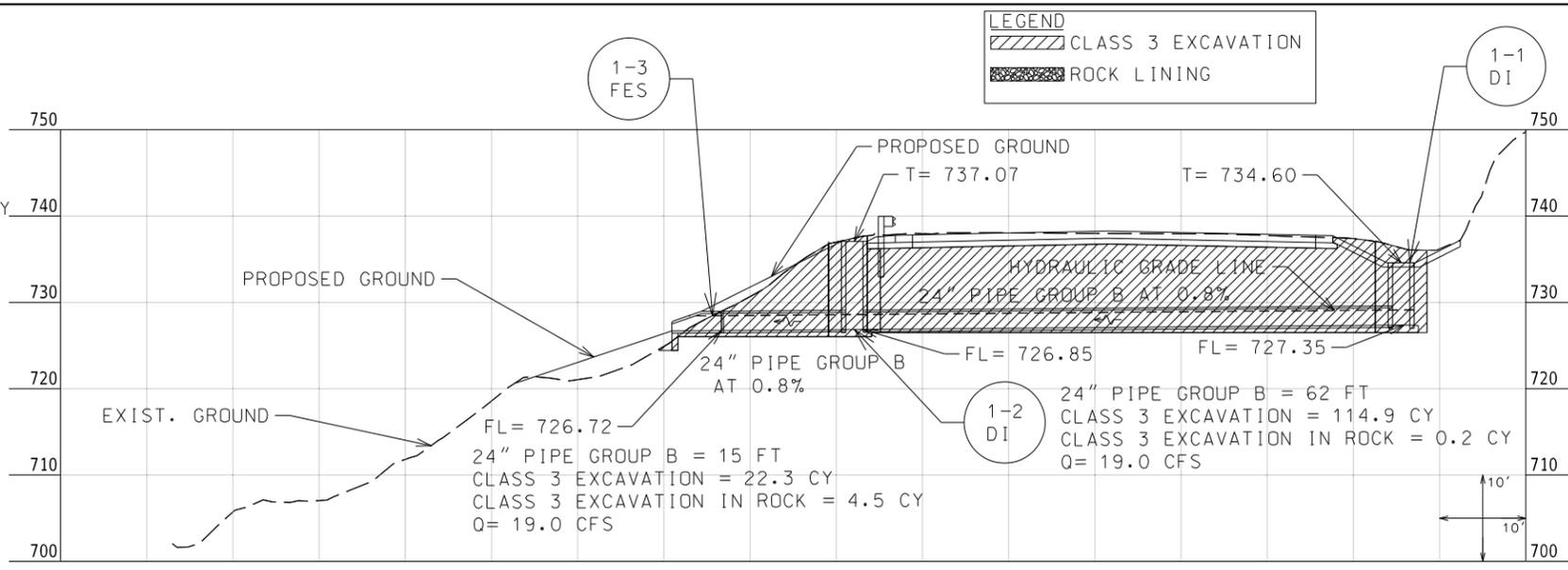
EROSION CONTROL SHEETS
SHEET 2 OF 2

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1-3 FES
 STA. 183+28.00,
 47.2' LT
 24" OR ALLOWED
 SUBSTITUTE GROUP B
 FLARED END SECTION
 CLASS 3 EXCAVATION = 1.2 CY
 CLASS 3 EXCAVATION IN ROCK = 0.0 CY
 D.A. = 3.47 AC; Q = 19.0 CFS

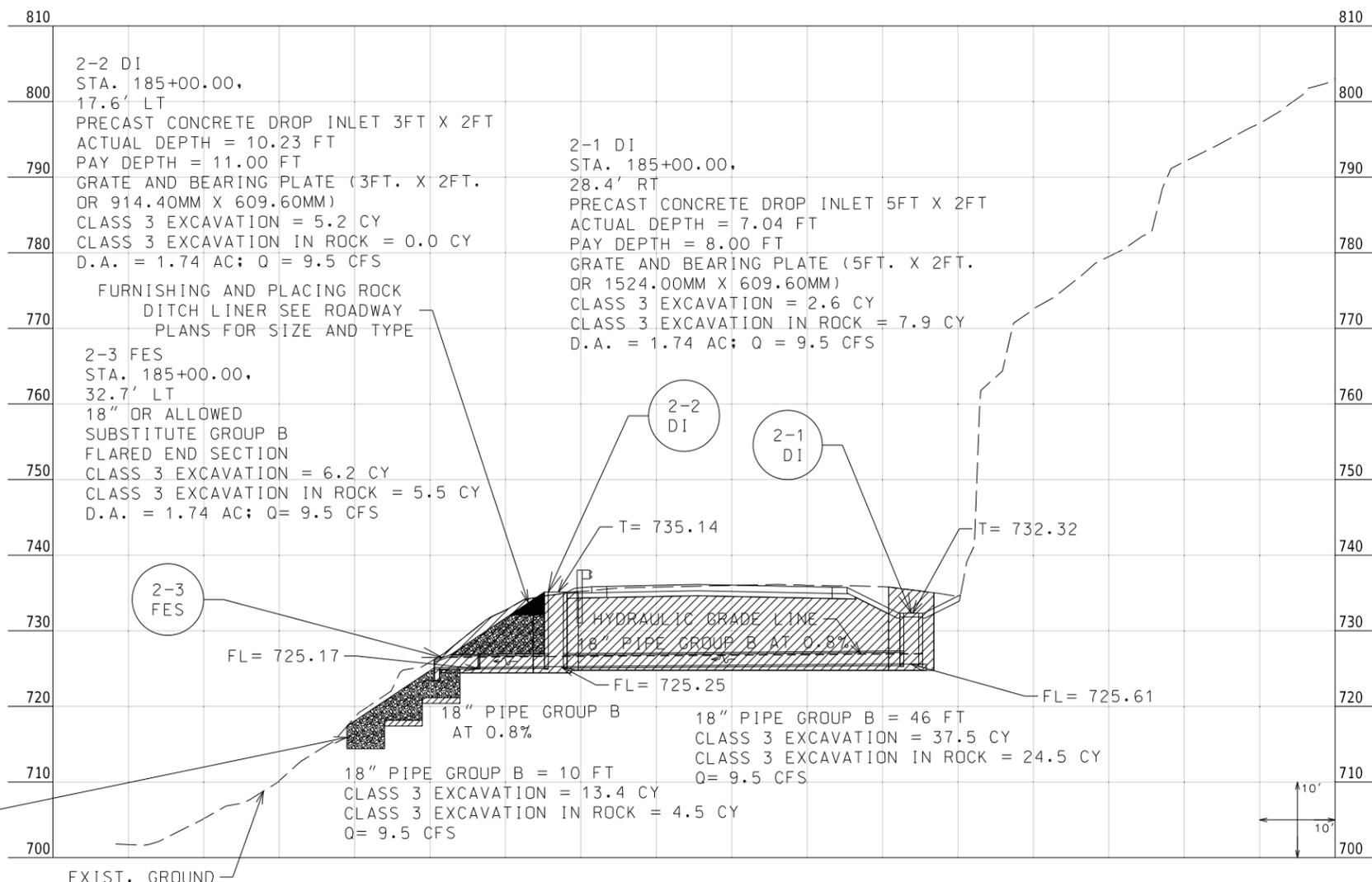


1-1 DI
 STA. 183+28.00,
 34.0' RT
 PRECAST CONCRETE DROP
 INLET 5FT X 2FT
 ACTUAL DEPTH = 7.59 FT
 PAY DEPTH = 8.00 FT
 GRATE AND BEARING PLATE
 (5FT. X 2FT.
 OR 1524.00MM X 609.60MM)
 CLASS 3 EXCAVATION = 5.7 CY
 CLASS 3 EXCAVATION
 IN ROCK = 3.5 CY
 D.A. = 3.47 AC; Q = 19.0 CFS

1-2 DI
 STA. 183+27.87,
 28.4' LT
 PRECAST CONCRETE
 DROP INLET 3FT X 2FT
 ACTUAL DEPTH = 10.56 FT
 PAY DEPTH = 11.00 FT
 GRATE AND BEARING PLATE
 (3FT. X 2FT.
 OR 914.40MM X 609.60MM)
 CLASS 3 EXCAVATION = 5.8 CY
 CLASS 3 EXCAVATION
 IN ROCK = 0.0 CY
 D.A. = 3.47 AC; Q = 19.0 CFS

NOTE:
 STATION, OFFSET, AND ELEVATIONS OF
 STRUCTURES ARE GIVEN TO THE CENTER
 OF THE STRUCTURE OR DOWNSTREAM END
 OF FLARED END SECTIONS.

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NOTES:
 1. UNLESS OTHERWISE LABELED, PROP.
 GROUND TO MATCH EXIST. GROUND.

FURNISHING AND PLACING ROCK
 DITCH LINER SEE ROADWAY
 PLANS FOR SIZE AND TYPE

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025



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 DATE PREPARED
 2/3/2026
 ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 29
 COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION



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CULVERTS SECTION SHEETS
 SHEET 1 OF 4

FINAL PLANS

NOTE:
STATION, OFFSET, AND ELEVATIONS OF STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE OR DOWNSTREAM END OF FLARED END SECTIONS.

LEGEND
 CLASS 3 EXCAVATION
 ROCK LINING

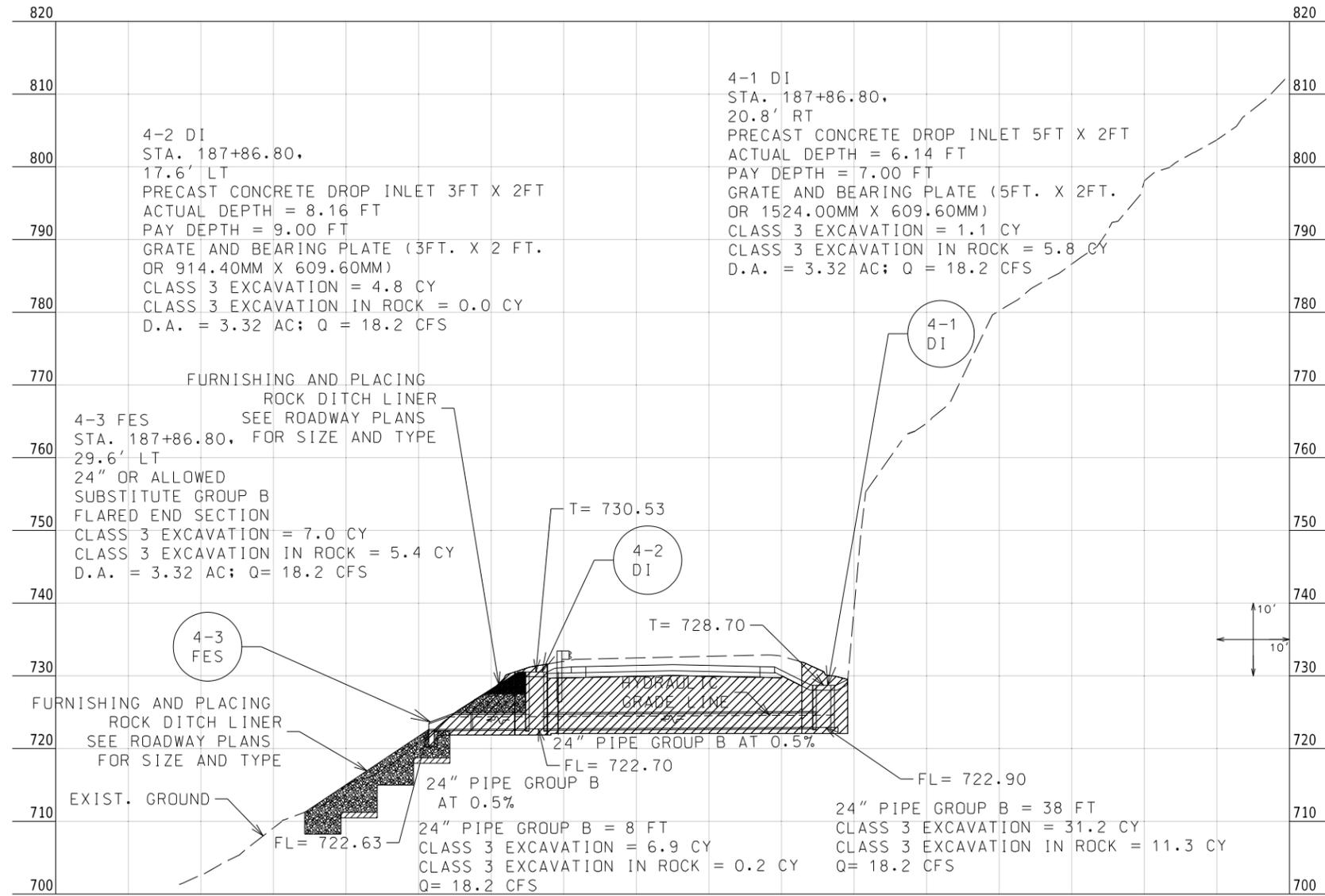
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DATE PREPARED
2/3/2026
 ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 31
 COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
BRIDGE NO.



NOTES:
1. UNLESS OTHERWISE LABELED, PROP. GROUND TO MATCH EXIST. GROUND.

LAYOUT	CE	10/2025
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REVIEWED	DK	10/2025

CULVERTS SECTION SHEETS
SHEET 3 OF 4

DESCRIPTION

DATE

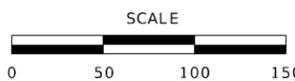
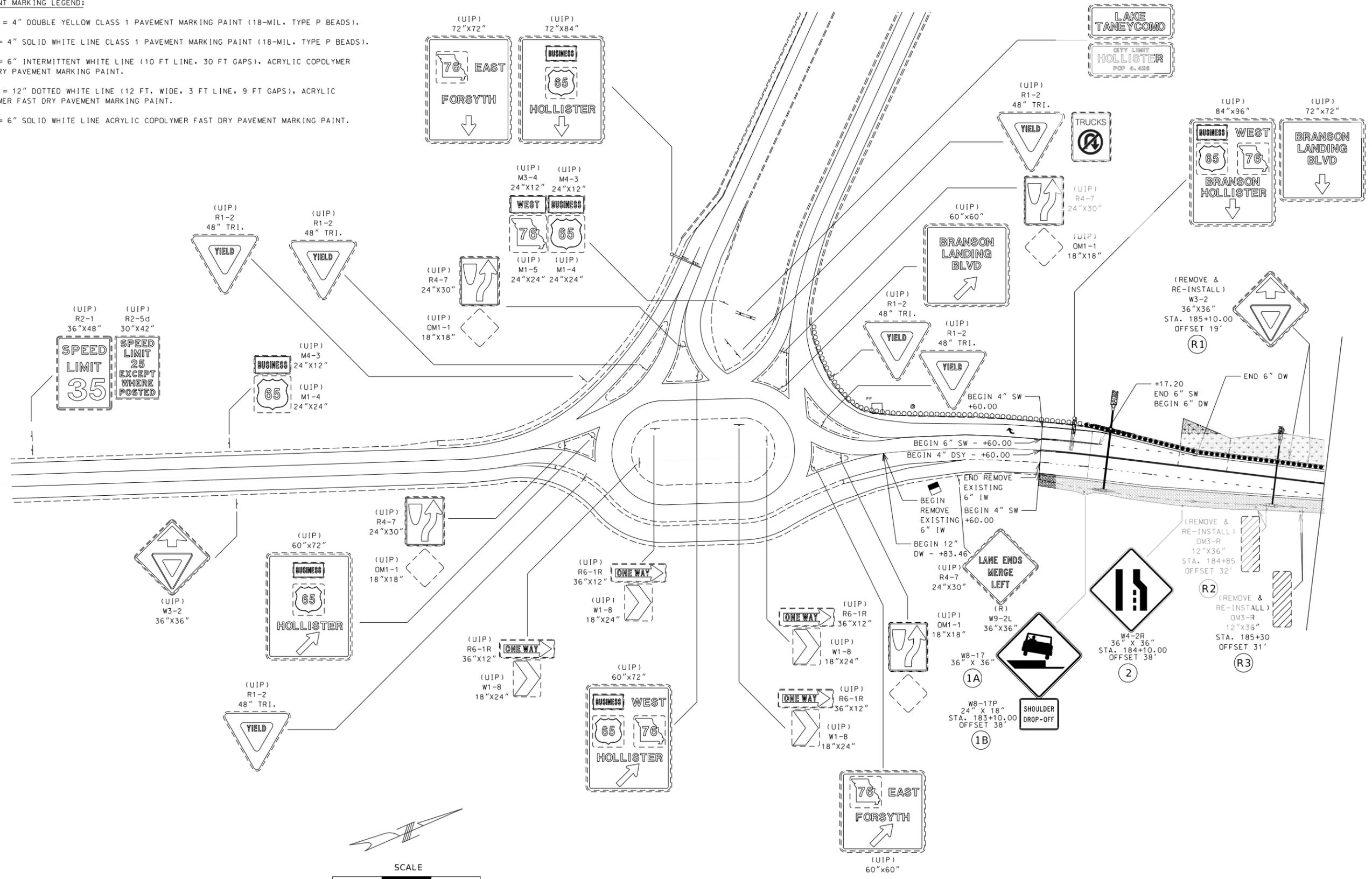
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PAVEMENT MARKING LEGEND:

- 4" DSY = 4" DOUBLE YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS).
- 4" SW = 4" SOLID WHITE LINE CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS).
- 6" IW = 6" INTERMITTENT WHITE LINE (10 FT LINE, 30 FT GAPS), ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT.
- 12" DW = 12" DOTTED WHITE LINE (12 FT. WIDE, 3 FT LINE, 9 FT GAPS), ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT.
- 6" SW = 6" SOLID WHITE LINE ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT.



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LAYOUT	10/2025
DRAWN	CE
REVIEWED	DK



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 DATE PREPARED: 2/3/2026
 ROUTE: 76
 STATE: MO
 DISTRICT: SW
 SHEET NO.: 33
 COUNTY: TANEY
 JOB NO.: JSR0326
 CONTRACT ID:

PROJECT NO.
 BRIDGE NO.

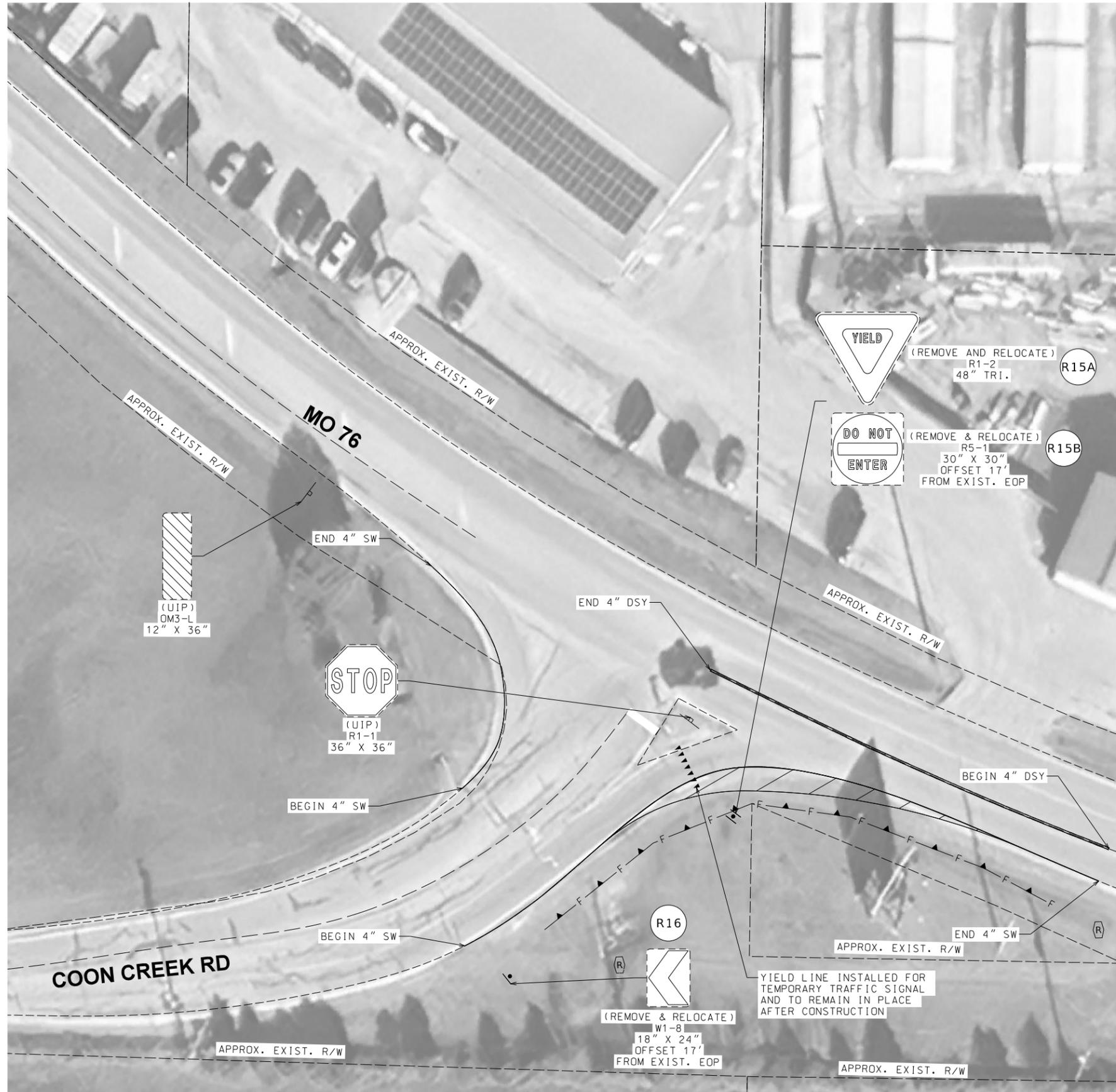
DESCRIPTION	DATE

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 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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PAVEMENT MARKING & SIGNING SHEETS
 SHEET 1 OF 11

NOTES:
 1. WIDTH OF SIGNS ARE UNKNOWN.
 ASSUMED TO BE 48-INCHES FOR
 CALCULATION PURPOSES.



PAVEMENT MARKING LEGEND
 4" DSJ = 4" DOUBLE YELLOW CLASS 1
 PAVEMENT MARKING PAINT
 (18-MIL. TYPE P BEADS).
 4" SW = 4" SOLID WHITE CLASS 1
 PAVEMENT MARKING PAINT
 (18-MIL. TYPE P BEADS).



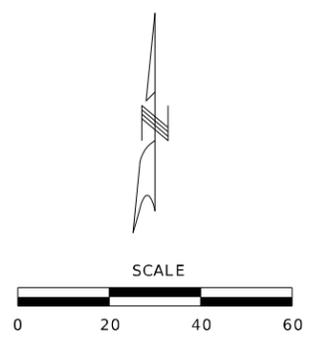
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DATE PREPARED 2/3/2026	
ROUTE 76	STATE MO
DISTRICT SW	SHEET NO. 36
COUNTY TANEY	
JOB NO. JSR0326	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PERMANENT SIGNING
 RESTORATION
 SHEET 2 OF 3

PAVEMENT MARKING & SIGNING SHEETS
 SHEET 4 OF 11

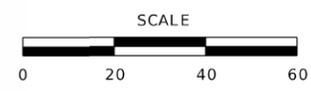
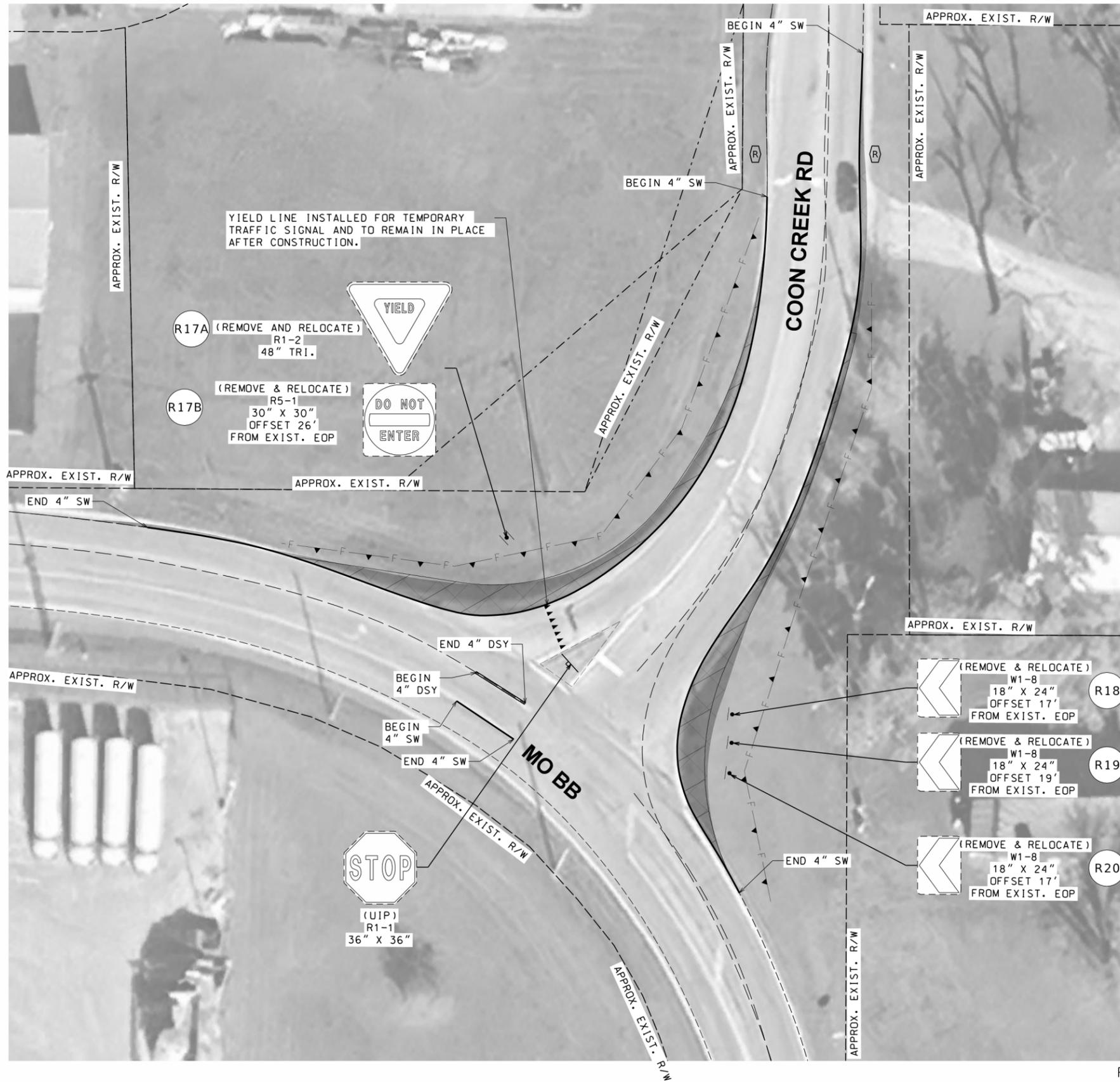
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REVIEWED	DK	10/2025

PAVEMENT MARKING LEGEND

4" DSY = 4" DOUBLE YELLOW CLASS 1 PAVEMENT MARKING PAINT (18-MIL. TYPE P BEADS).
 4" SW = 4" SOLID WHITE CLASS 1 PAVEMENT MARKING PAINT (18-MIL. TYPE P BEADS).



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

\$DATES\$	
ROUTE 76	STATE MO
DISTRICT SW	SHEET NO. 37
COUNTY TANEY	
JOB NO. JSR0326	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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PERMANENT SIGNING RESTORATION SHEET 3 OF 3

PAVEMENT MARKING & SIGNING SHEETS SHEET 5 OF 11

LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025

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 2/3/2026

ROUTE 76 STATE MO

DISTRICT SW SHEET NO. 38

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

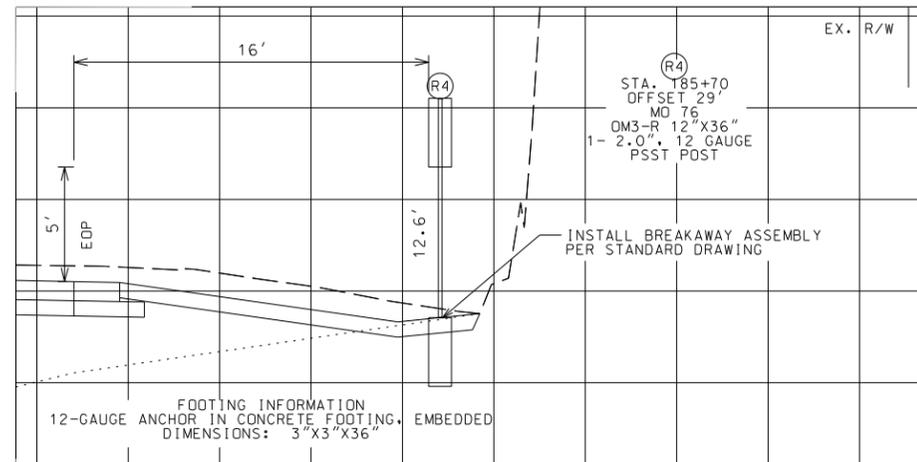
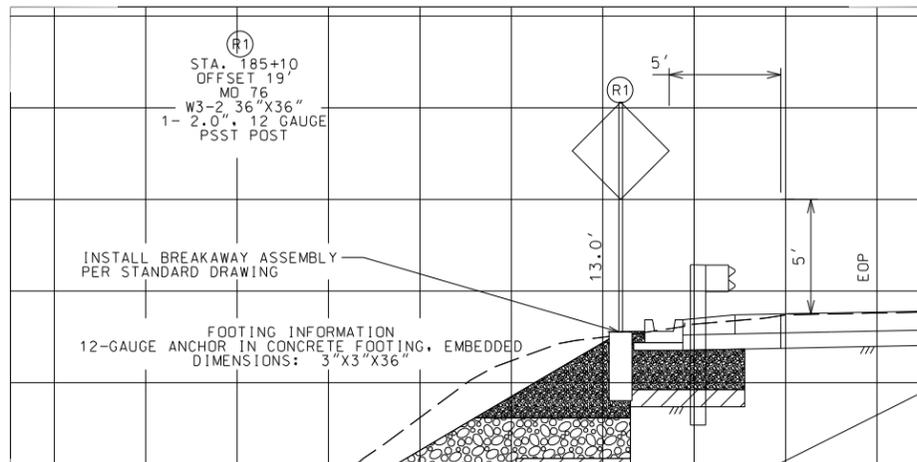
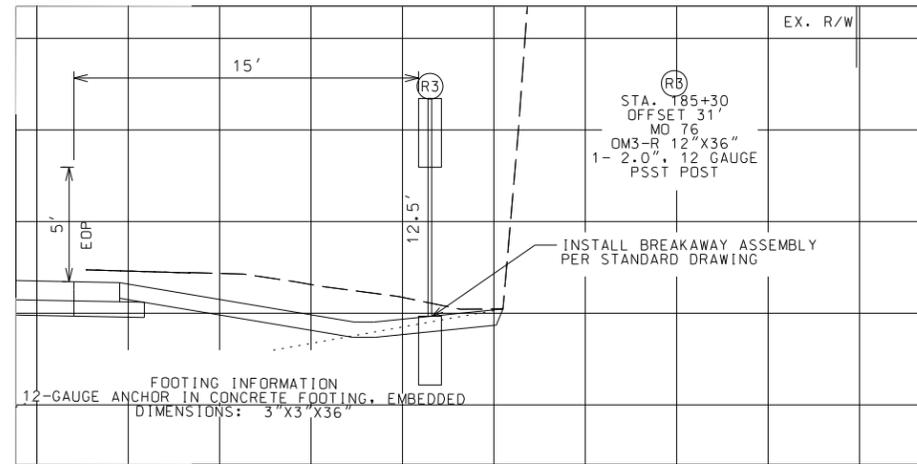
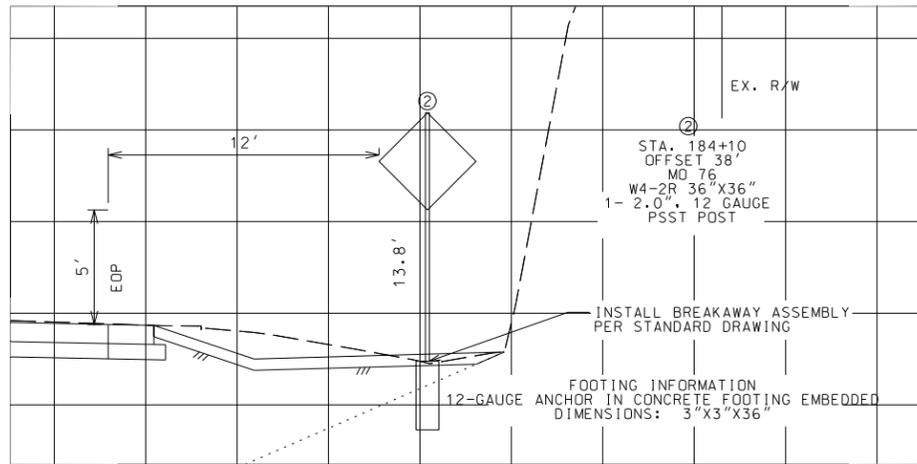
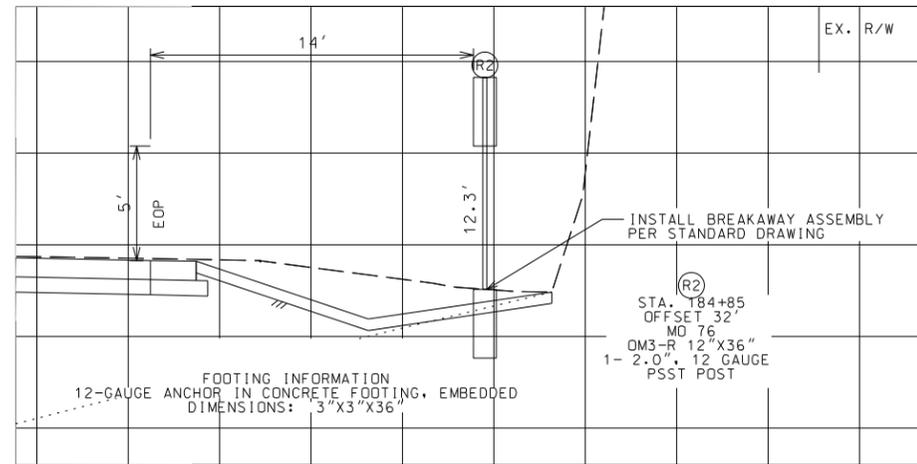
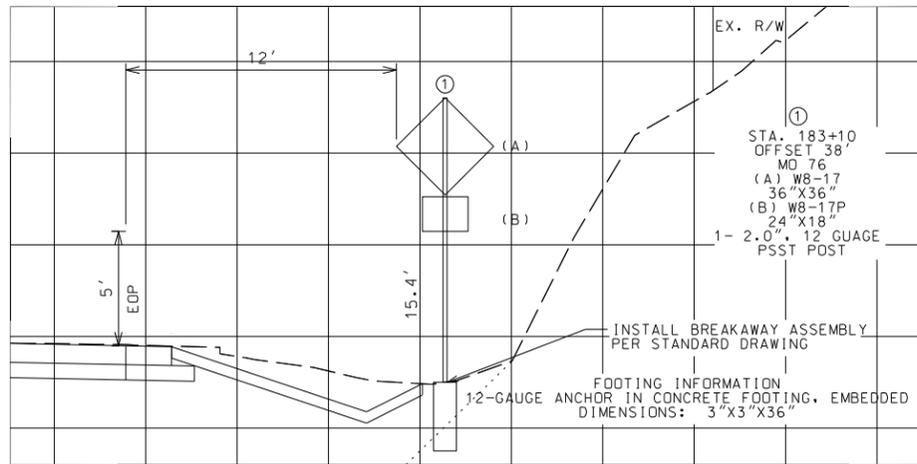
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PAVEMENT MARKING & SIGNING SHEETS
 SHEET 6 OF 11



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DATE PREPARED
 2/3/2026
 ROUTE 76 STATE MO
 DISTRICT SW SHEET NO. 41
 COUNTY TANEY
 JOB NO. JSR0326
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DESCRIPTION

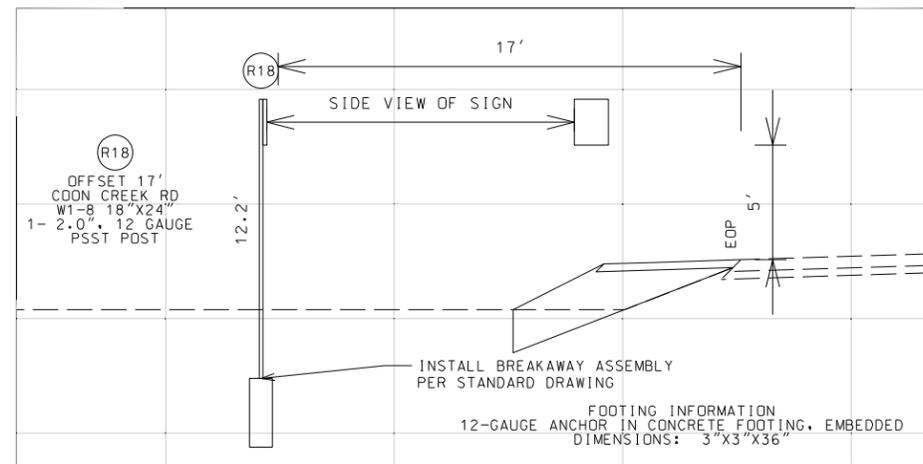
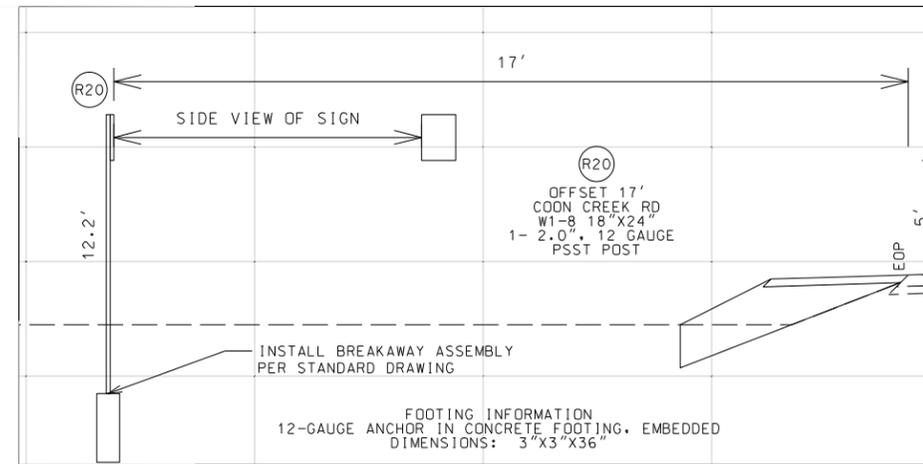
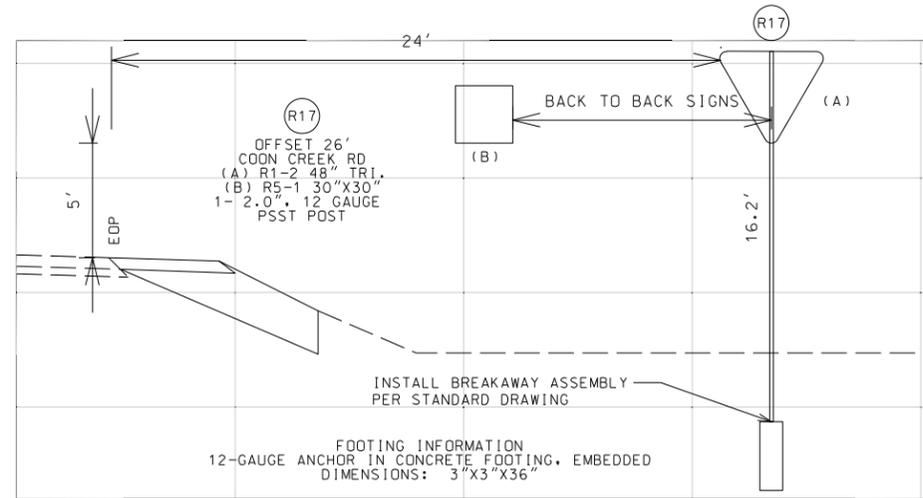
DATE

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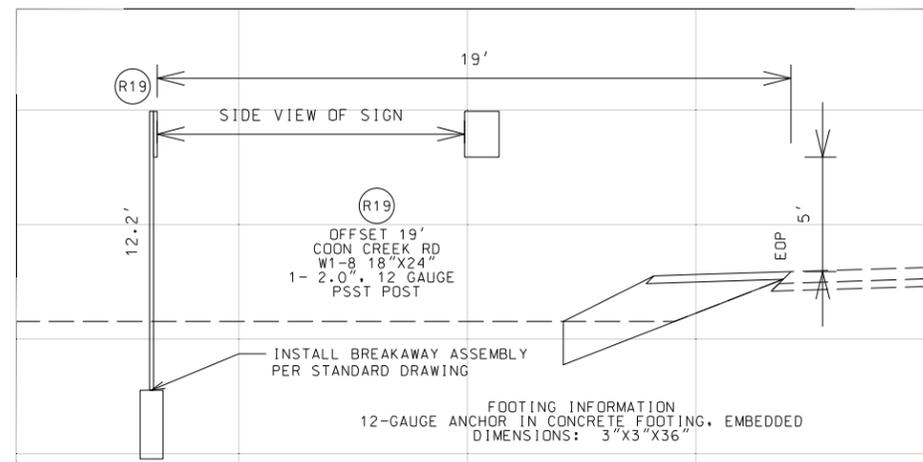


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PAVEMENT MARKING & SIGNING SHEETS
 SHEET 9 OF 11



NOTE:
 NO SURVEY DATA PROVIDED ALONG DETOUR ROUTE. 3 ADDITIONAL FEET OF POST WAS ADDED BELOW THE ESTIMATED GROUND LINE AS A FORM OF CONTINGENCY.



LAYOUT	CE	10/2025
DRAWN	CE	10/2025
REVIEWED	DK	10/2025

360.0' SOLDIER PILE WALL

SEC/SUR 4 TWP 22N RGE 21W



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DATE PREPARED

02/06/26

ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800

DESCRIPTION

DATE

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Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, are shown on Sheet(s) No. 19-24 and may be included in the Electronic Bridge Deliverables. They will also be available from the Project Contact upon written request. No greater significance or weight should be given to the boring data depicted on the plan sheets than is given to the subsurface data available from the district or elsewhere.

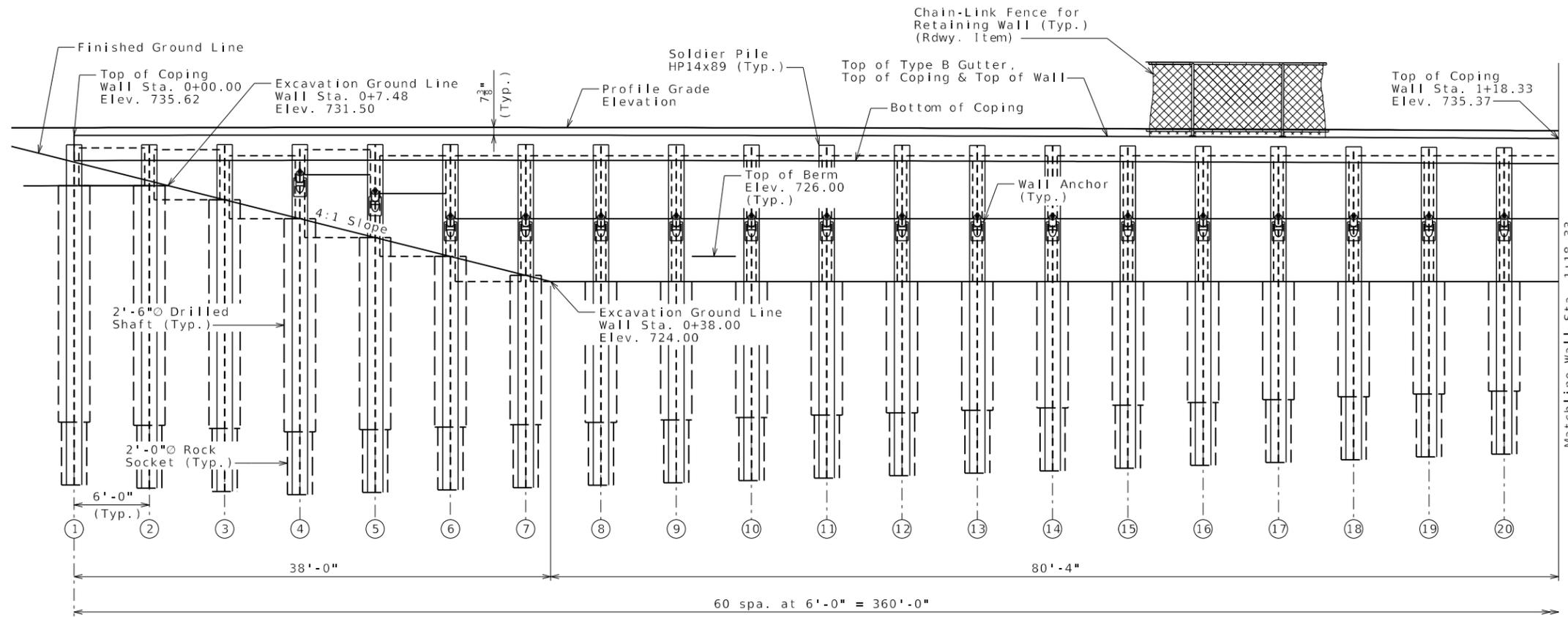
The Commission does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here or those available from the district, or on any other documentation not expressly warranted, which the contractor may obtain from the Commission.

Notes:

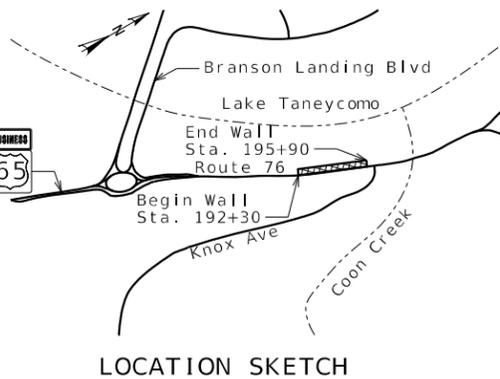
For Estimated Quantities & Pile Data, see Sheet No. 4.

For General Notes, see Sheet No. 4.

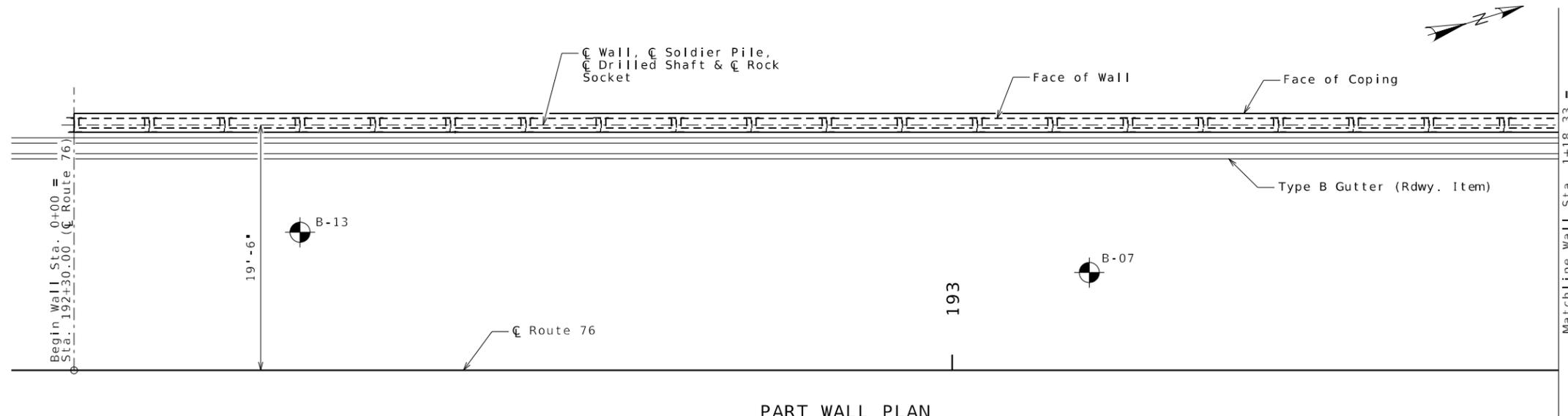
All longitudinal dimensions are horizontal.



PART WALL ELEVATION



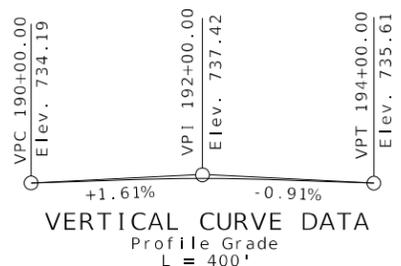
LOCATION SKETCH



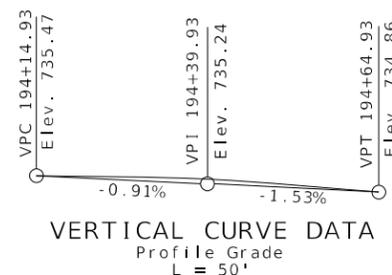
PART WALL PLAN

Notice and Disclaimer Regarding Pinnacled Rock:

The State of Missouri and, in particular, the area that encompasses this project is known to have, at least in part, bedrock that exhibits karst conditions. One karst condition is sometimes referred to as pinnacle or pinnacled rock. The nature of this condition makes graphical representations of this pinnacled zone difficult to classify and excavate. It is incumbent upon the bidder to investigate above surface warnings of this rock formation (road cuts, quarry sites and any other exposed faces) and be aware that the same is a regularly occurring phenomenon and is not to be regarded as a differing site condition or result in changes in the work, regardless of what any actual boring or lines on the plans may or may not tend to indicate.



VERTICAL CURVE DATA
Profile Grade
L = 400'



VERTICAL CURVE DATA
Profile Grade
L = 50'

Bench Marks (NAVD 88 Datum)

C.P. #1: Sta. 185+22.01, 745.93' Lt., Elev. 706.26

C.P. #2: Sta. 194+18.38, 645.02' Lt., Elev. 712.83

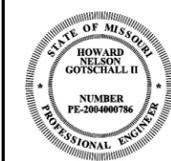
RETAINING WALL ALONG ROUTE 76
ROUTE 76 FROM BRANSON LANDING BOULEVARD
TO KNOX AVENUE
TIE STATION 192+30.00

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

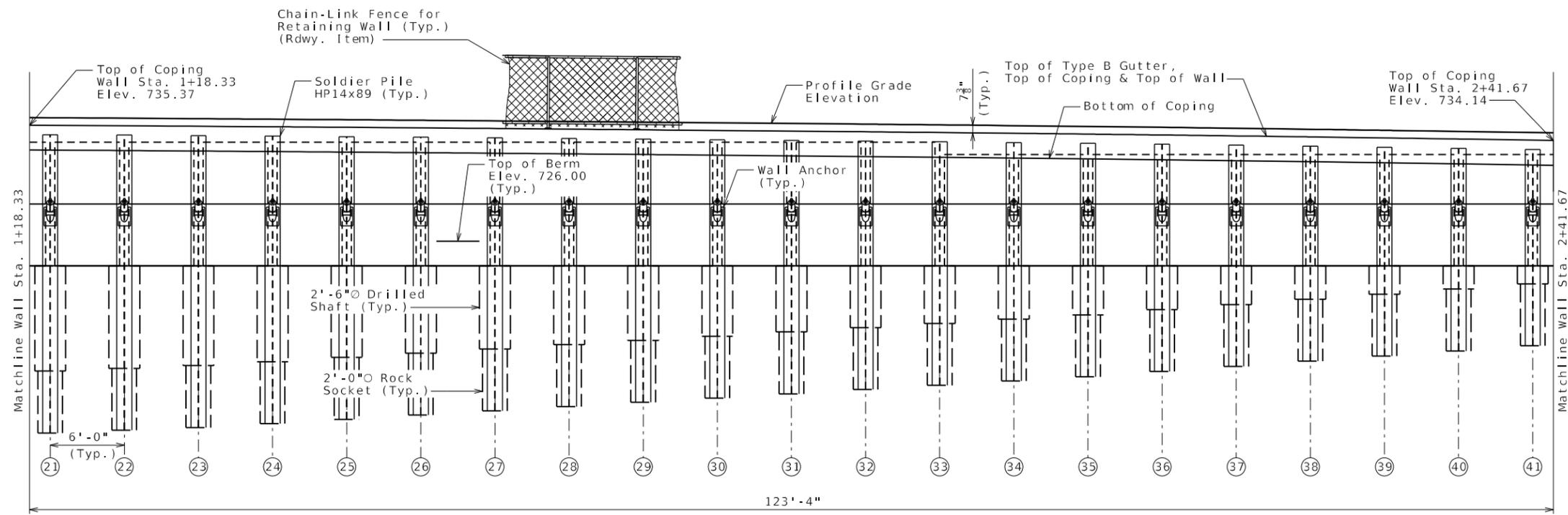
Sheet No. 1 of 23

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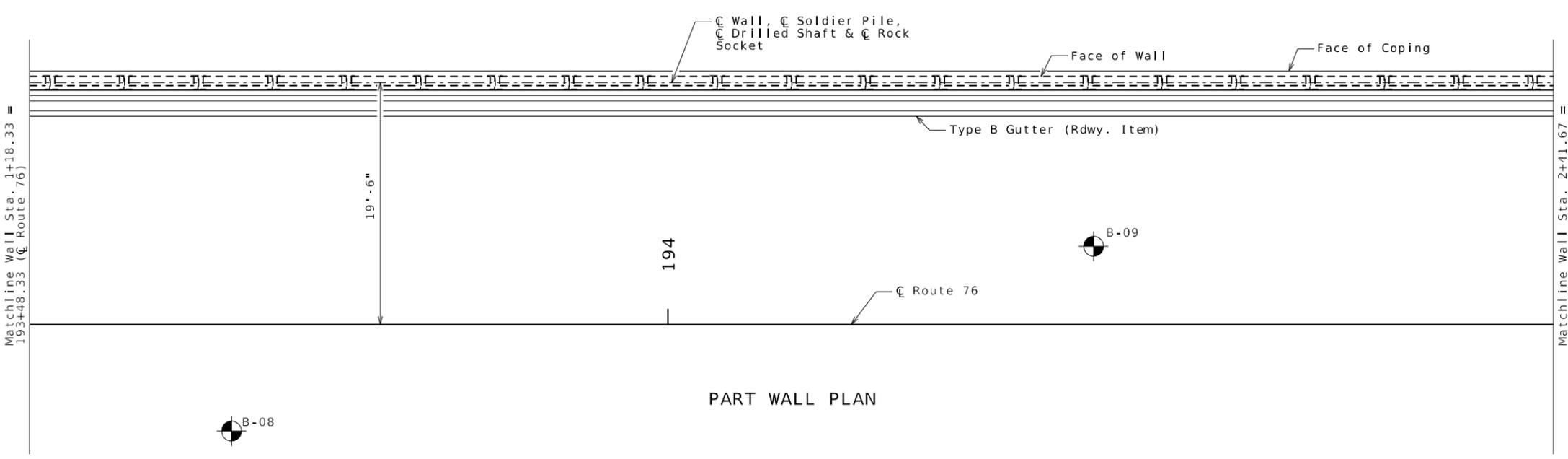


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DATE PREPARED 02/06/26	
ROUTE 76	STATE MO
DISTRICT BR	SHEET NO. 2
COUNTY TANEY	
JOB NO. JSR0326	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9800	



PART WALL ELEVATION



PART WALL PLAN

Designed: SMC 11/06/25
 Detailed: SMC 11/06/25
 Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 23

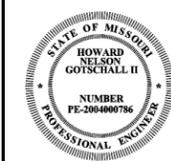
DATE	DESCRIPTION

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DATE PREPARED 02/06/26

ROUTE 76 STATE MO DISTRICT BR SHEET NO. 3

COUNTY TANEY JOB NO. JSR0326 CONTRACT ID.

PROJECT NO. BRIDGE NO. A9800

DESCRIPTION

DATE

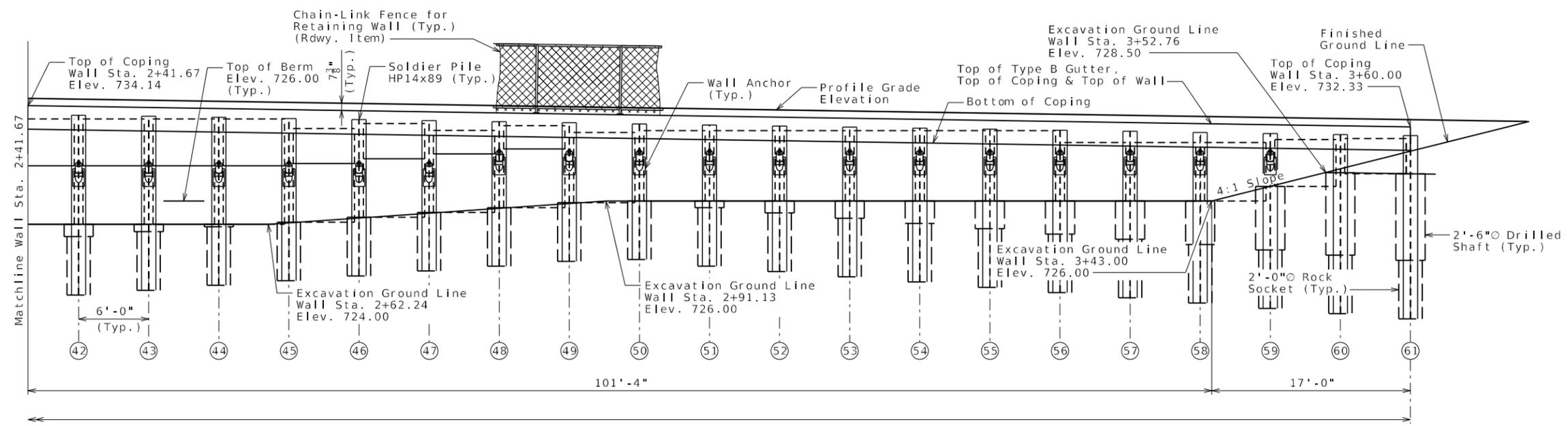
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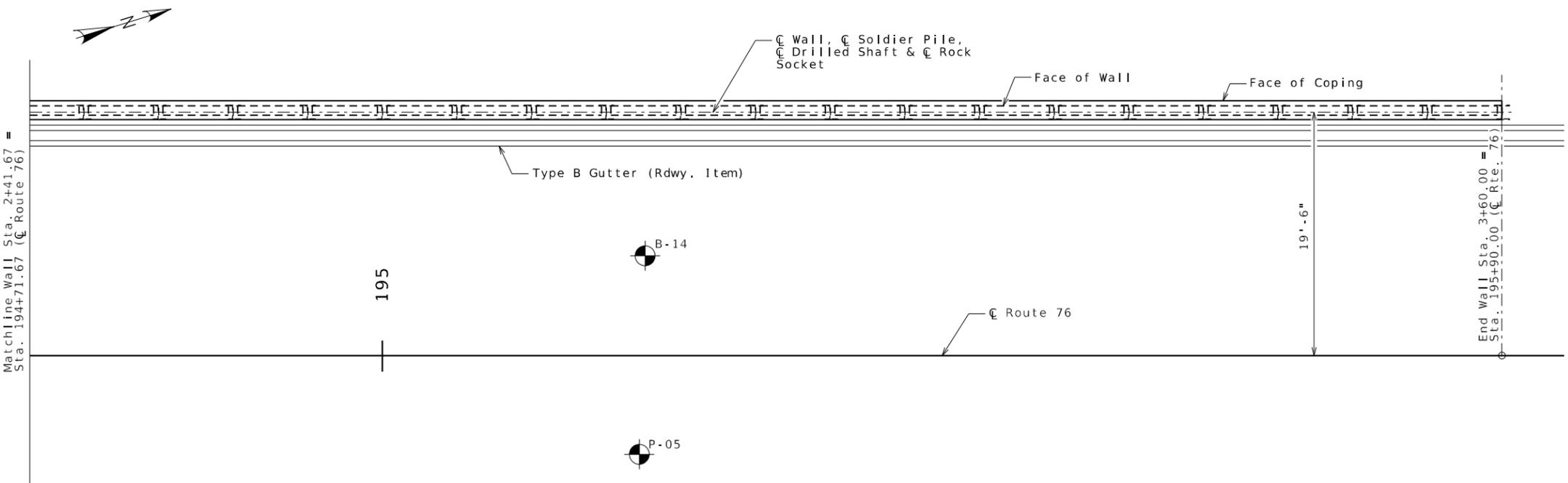
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PART WALL ELEVATION



PART WALL PLAN

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

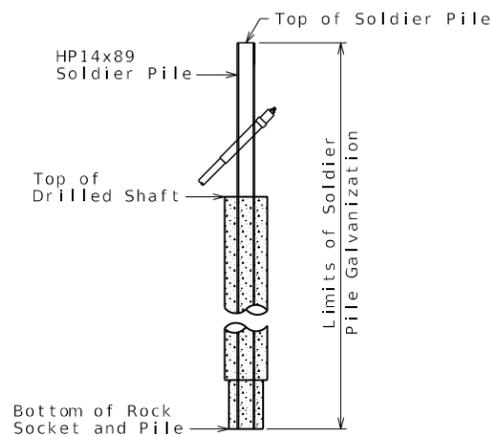
Sheet No. 3 of 23

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

Estimated Quantities

Item	Unit	Total
Drilled Shafts (2 ft. 6 in. Dia.)	linear foot	397
Rock Sockets (2 ft. 0 in. Dia.)	linear foot	305
Video Camera Inspection	each	13
Foundation Inspection Holes	linear foot	183
Tieback Anchor Performance Test	lump sum	1
Tieback Anchors	each	56
Galvanized Structural Steel Soldier Piles (HP14x89)	linear foot	1229
Concrete Coping	linear foot	360
Precast Concrete Wall Panels	sq. foot	2620
Fabricated Structural Carbon Steel (Misc.)	pound	4880
Fabricated Structural Low Alloy Steel (Misc.)	pound	4090
Drainage System	lump sum	1

Note: Supplementary Television Camera Inspection and Foundation Inspection Holes shall be performed per Sec 702 on 20% of the drilled shafts at the discretion of the engineer.



GALVANIZATION DETAIL

Notes:
All piles shall be galvanized full length.
All structural steel shall be galvanized in accordance with ASTM A123 and Sec 1081.

General Notes:

Design Specifications:
2020 AASHTO LRFD Bridge Design Specification (9th Ed.)
2023 AASHTO Guide Specifications for LRFD Seismic Bridge Design (3rd Ed.)
Seismic Design Category = B (Seismic Zone 2) (Seismic Analysis)
Design earthquake response acceleration coefficient at 1.0 second period, $S_{D1} < 0.15 = 0.15$
Acceleration Coefficient (effective peak ground acceleration coefficient), $A_s = 0.11$

Design Loading:
HL-93
Earth = 130 lb/cf, Equivalent Fluid Pressure 45 lb/cf (Drained)
Earth = 130 lb/ft, Equivalent Fluid Pressure 107 lb/ft (Undrained)

Design Unit Stresses:
Class A-1 Concrete $f'c = 4,000$ psi
Class B-1 Concrete (Substructure) $f'c = 4,000$ psi
Class B-2 Concrete (Drilled Shafts & Rock Sockets) $f'c = 4,000$ psi
Reinforcing Steel (ASTM A615 Grade 60) $f_y = 60,000$ psi
Structural Steel (ASTM A709 Grade 50) $f_y = 50,000$ psi
Structural Steel HP Pile (ASTM A709 Grade 50) $f_y = 50,000$ psi
Structural Carbon Steel (ASTM A709 Grade 36) $f_y = 36,000$ psi
Steel Pipe (ASTM A53 Grade B) $f_y = 35,000$ psi
Structural steel shall be galvanized in accordance with ASTM A123 and Sec 1081.

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.
All reinforcement shall be epoxy coated.

Miscellaneous:

All concrete for the precast wall panels shall be Class A-1.
The contractor shall have the option to cast-in-place the precast concrete wall panels using Class B-1.

All concrete for the coping shall be Class B-1.

The wall shall be built vertical.

The contractor shall protect the galvanized surfaces of the soldier piles during installation and placement of backfill.

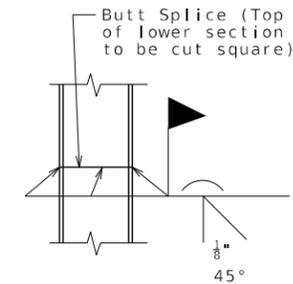
The contractor shall not backfill behind or in front of the wall higher than 1 foot below the tieback anchor elevation until the tieback anchor is installed, attached to the soldier pile and the anchor grout has attained a compressive strength of 3,000 psi or greater.

The contractor shall limit the difference in backfill height, between the back of wall and front of wall to less than 5 ft. until the tieback anchor is installed, attached to the soldier pile and the anchor grout has attained a compressive strength of 3,000 psi or greater.

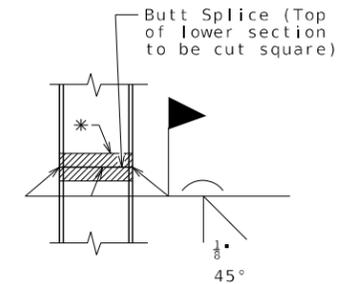
Route 76 to be closed during construction.

Suggested General Sequence of Construction:

- Complete general excavation as shown on Roadway Plans.
- Install and test performance test tieback anchor.
- Drill drilled shafts and rock sockets, then install soldier piles and backfill with concrete.
- Install bottom precast wall panel and drainage system.
- Install additional precast wall panels as required to maintain backfill.
- Place backfill behind wall and in front of the wall to 1 ft. below tieback elevation to allow drilling to install the tiebacks. The contractor shall ensure the difference in backfill heights does not exceed 5 ft.
- Install tiebacks and snug nut on tieback to restrain wall.
- Backfill behind wall to top.
- Proof-test tieback anchors and lockoff.
- Install coping and gutter.
- Place remainder of fill and riprap in front of wall.
- Complete remaining roadway work.



STEEL PILE SPLICE
(If required)



STEEL PILE SPLICE
(If required within the length of galvanization)

* Galvanization material shall be omitted or removed for a minimum of 2" around weld locations. The method used to omit or remove galvanizing material shall be as approved by the engineer.

Splices to provide additional length to the pile shall only be added at the bottom end of the pile.

Foundation Data

Type	Design Data	Soldier Pile, Drilled Shaft & Rock Socket Number																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soldier Pile	Pile Type and Size	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89
Drilled Shaft	Minimum Nominal Axial Compressive Resistance	ksf	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Socket	Minimum Nominal Axial Compressive Resistance (Skin Friction)	ksf	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

Foundation Data

Type	Design Data	Soldier Pile, Drilled Shaft & Rock Socket Number																			
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Soldier Pile	Pile Type and Size	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89
Drilled Shaft	Minimum Nominal Axial Compressive Resistance	ksf	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Socket	Minimum Nominal Axial Compressive Resistance (Skin Friction)	ksf	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

Foundation Data

Type	Design Data	Soldier Pile, Drilled Shaft & Rock Socket Number																				
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
Soldier Pile	Pile Type and Size	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89	HP14x89
Drilled Shaft	Minimum Nominal Axial Compressive Resistance	ksf	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rock Socket	Minimum Nominal Axial Compressive Resistance (Skin Friction)	ksf	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

Note: For lengths of soldier piles, drilled shafts and rock sockets, see Sheet No. 5.

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 23

QUANTITIES, GENERAL NOTES & FOUNDATION DATA TABLES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 02/06/26

ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 4

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800

DESCRIPTION

DATE

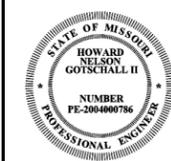
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

HANSON

Hanson Professional Services Inc.
600 Washington Ave, Suite 950
St. Louis, Missouri 63101
Professional Engineer 001632
www.hanson-inc.com 314.770.0467



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DATE PREPARED: 02/06/25
 ROUTE: 76 STATE: MO
 DISTRICT: BR SHEET NO.: 6

COUNTY: TANEY
 JOB NO.: JSR0326
 CONTRACT ID.:

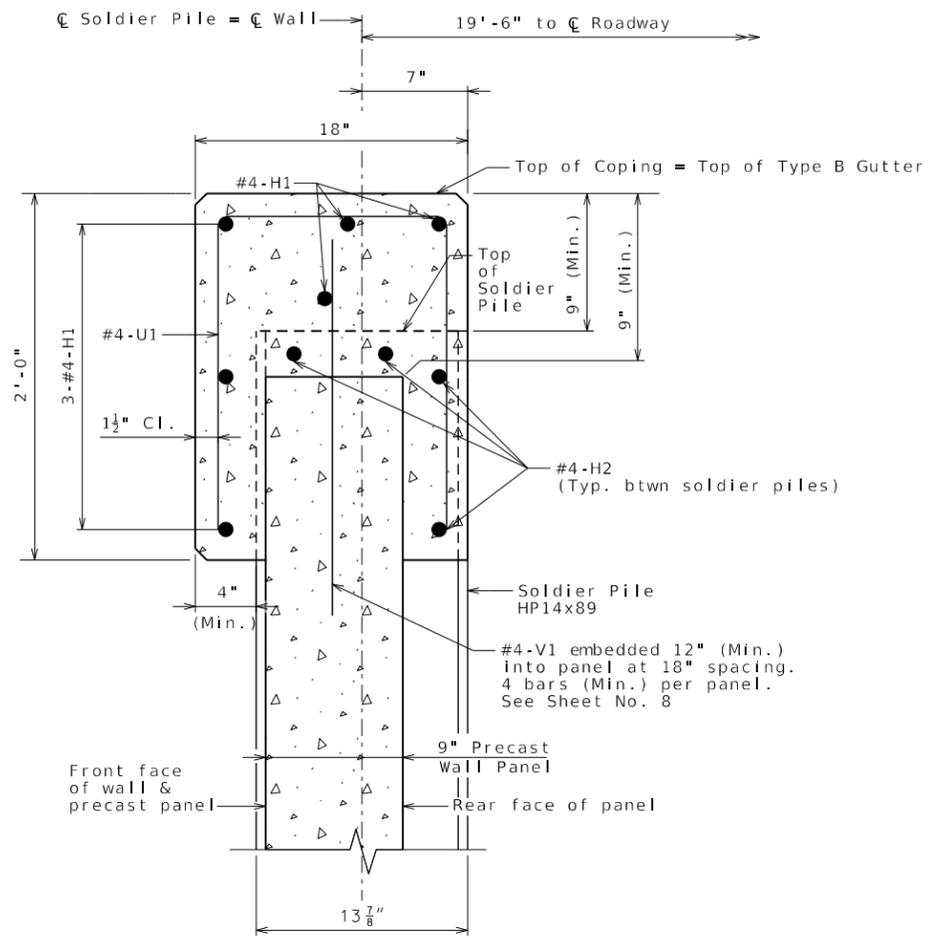
PROJECT NO.:

BRIDGE NO.: A9800

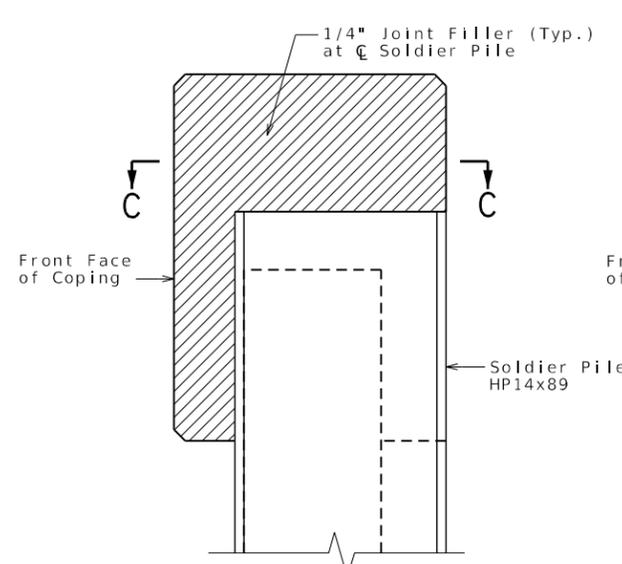
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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 1-888-ASK-MODOT (1-888-275-6636)

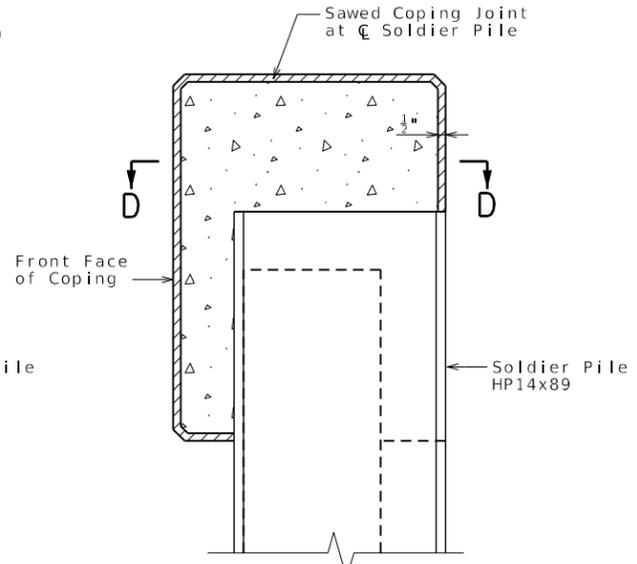
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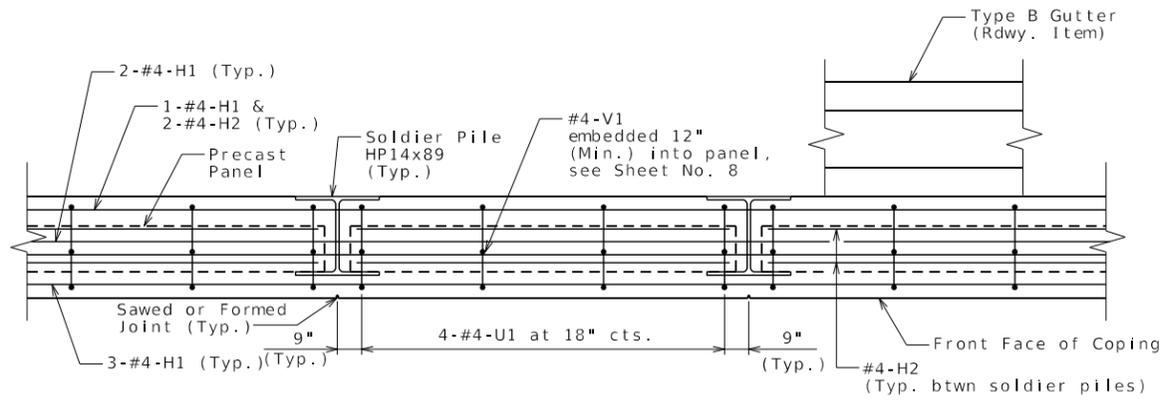
COPING REINFORCEMENT



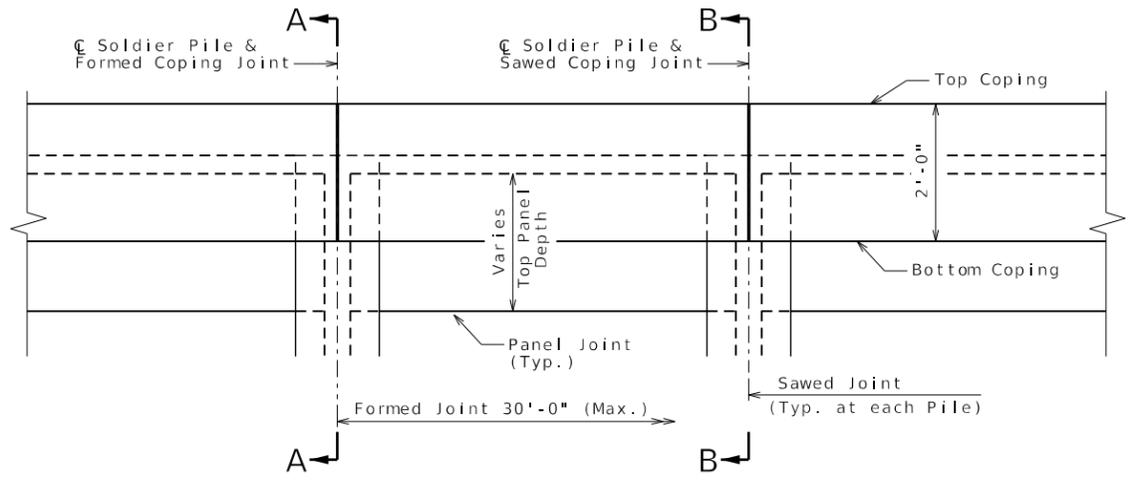
SECTION A-A



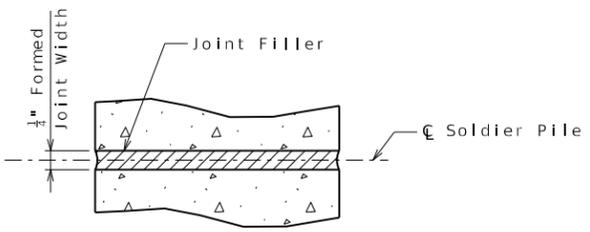
SECTION B-B



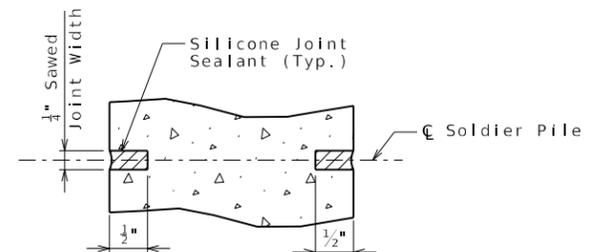
COPING PLAN



COPING ELEVATION



SECTION C-C



SECTION D-D

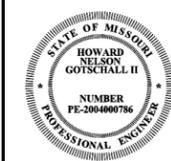
Notes:
 Coping joints shall coincide approximately with the centerline of soldier pile. Reinforcing bar ends shall be 2" short of near side of each joint.
 All chamfered edges shall be 3/4".
 Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Concrete Coping per linear foot.
 Chain-Link Fence for Retaining Wall shall be attached to the cast in place coping in accordance with STD. 607.11J.
 Fence posts shall clear joints in the wall coping at soldier piles by 6" min.
 All reinforcement shall be epoxy coated.

Designed: SMC 11/06/25
 Detailed: SMC 11/06/25
 Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 23

COPING DETAILS



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DATE PREPARED
02/06/26

ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 7

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800

DESCRIPTION

DATE

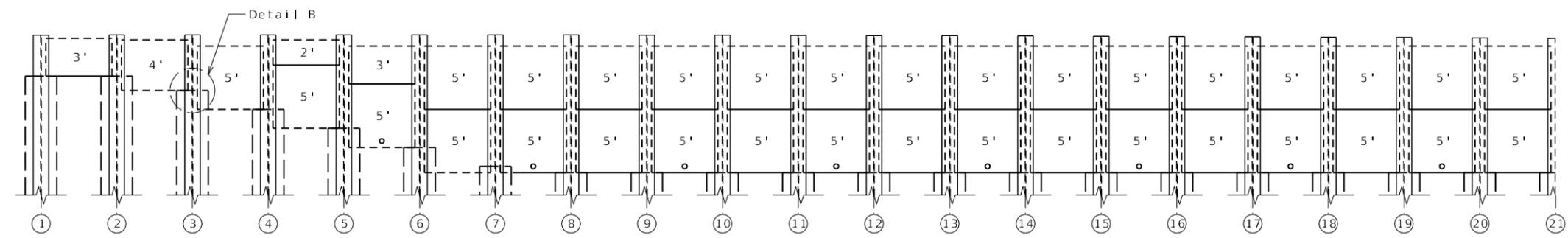
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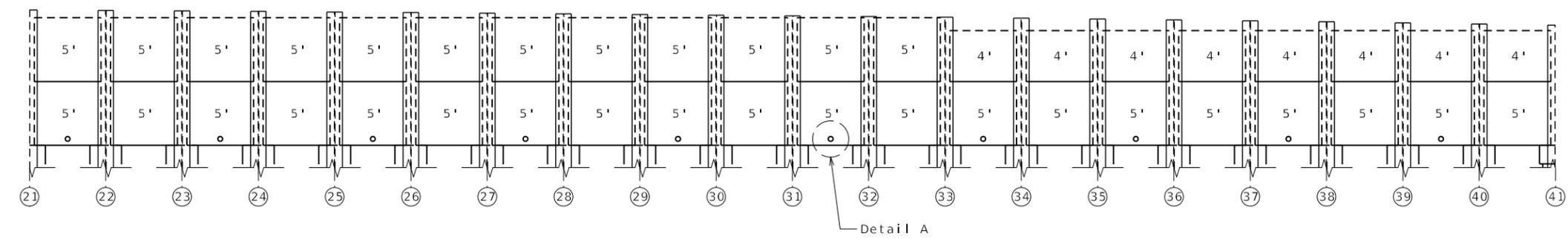
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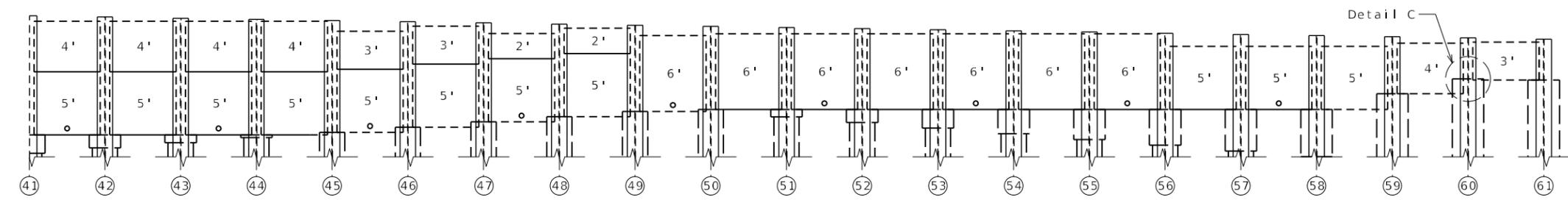
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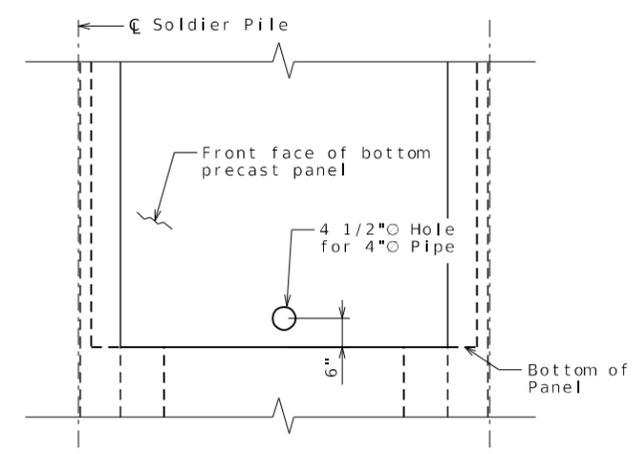
WALL PANEL LAYOUT FOR PILES 1-21



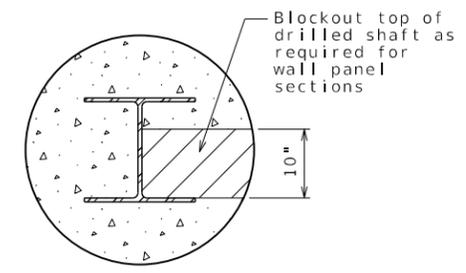
WALL PANEL LAYOUT FOR PILES 21-41



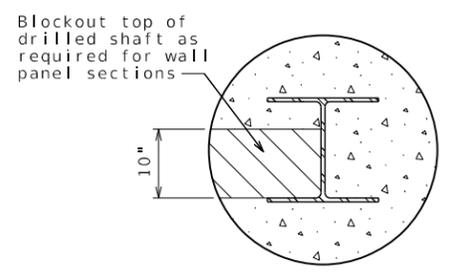
WALL PANEL LAYOUT FOR PILES 41-61



DETAIL A (Typ.)



DETAIL B (Typ.)



DETAIL C (Typ.)

Notes:
Panel labels indicate height of panel to be used.
Coping, excavation, and roadway not shown for clarity.
For additional panel details, see Sheet No. 8.
For drainage system details, see Sheet No. 9.

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 7 of 23

PRECAST CONCRETE PANEL LAYOUT

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



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DATE PREPARED
02/06/26

ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 11

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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JEFFERSON CITY, MO 65102

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Notes:

All tieback anchors shall have the following:

- Angle of Inclination = 60°
- Minimum Bond Length = 15 ft.
- Est. Elev. of Top Bond Zone = Varies

Contractor may select the Threadbar Anchor or Steel Prestressing Strand alternative.

Contractor shall add additional length as needed for the type of anchor and stressing equipment.

Ultimate strength of Threadbar shall = 150 ksi.

Ultimate strength of Steel Prestressing Strands shall = 270 ksi.

Nominal bond stress between anchor grout and dolomite shall be 25 ksf with a $\phi_G = 0.5$.

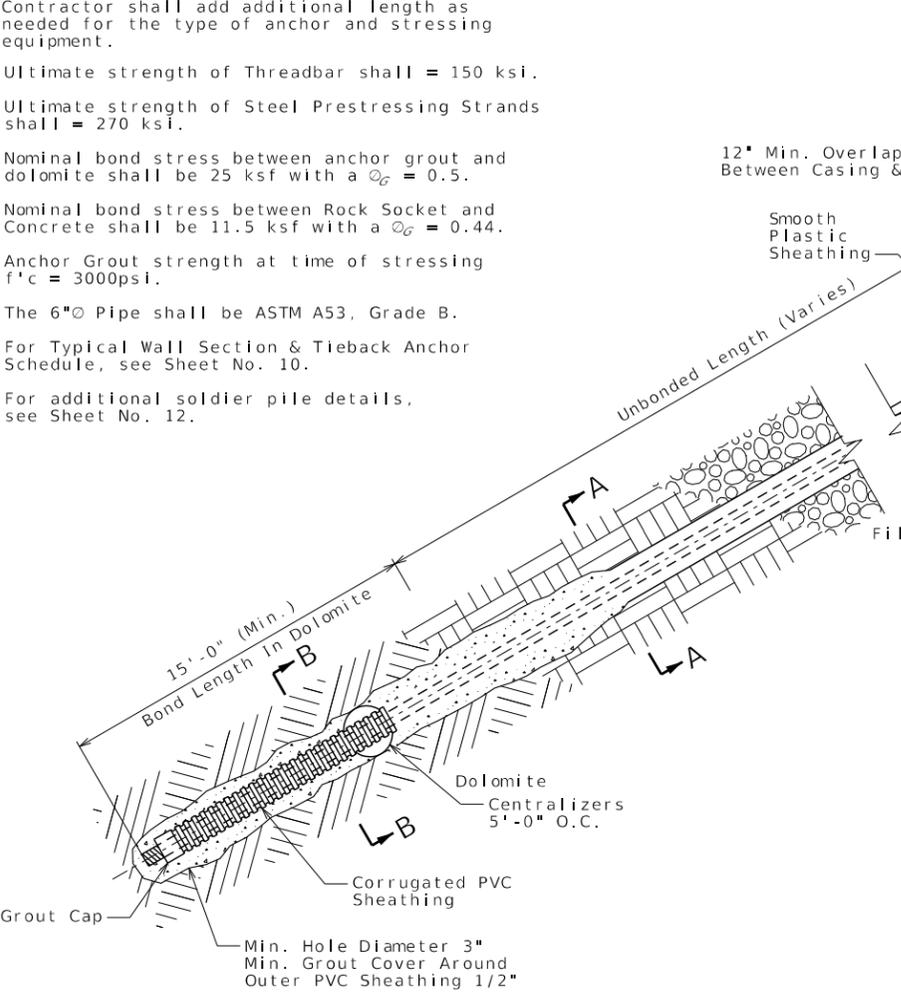
Nominal bond stress between Rock Socket and Concrete shall be 11.5 ksf with a $\phi_G = 0.44$.

Anchor Grout strength at time of stressing $f'c = 3000psi$.

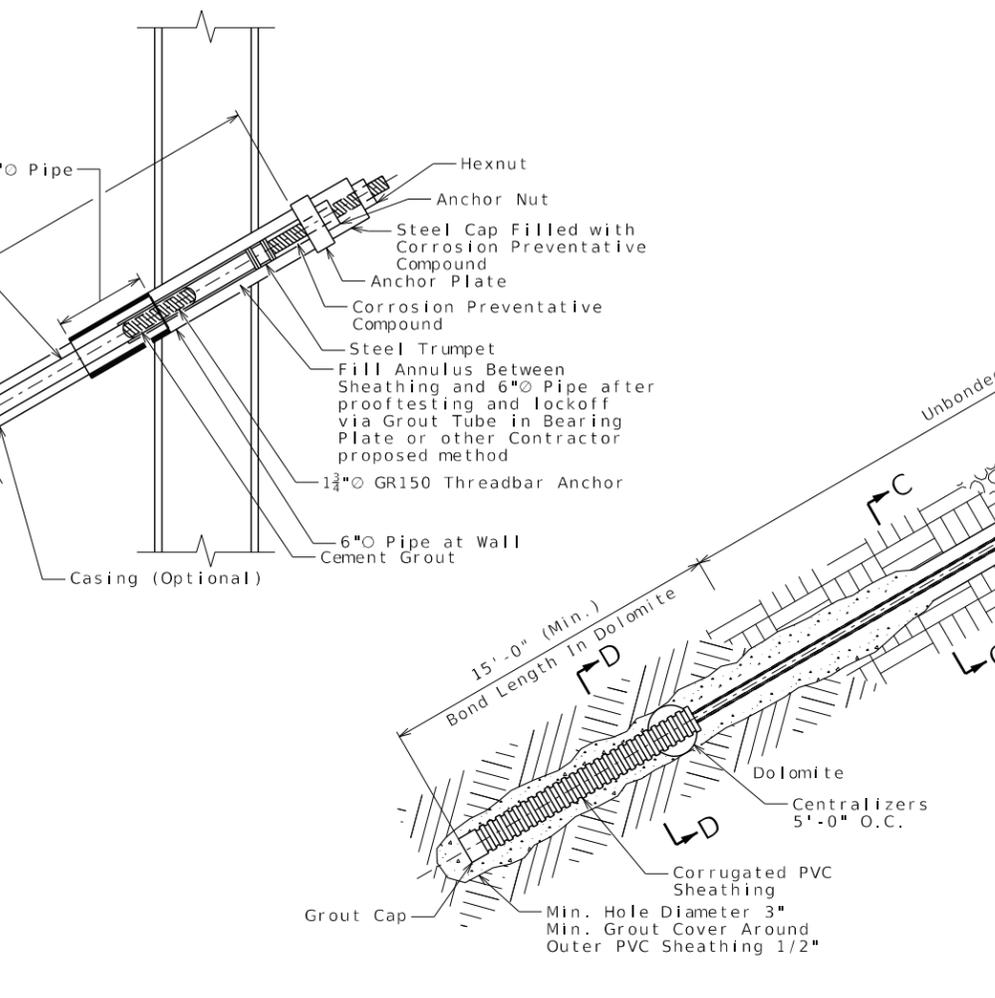
The 6"Ø Pipe shall be ASTM A53, Grade B.

For Typical Wall Section & Tieback Anchor Schedule, see Sheet No. 10.

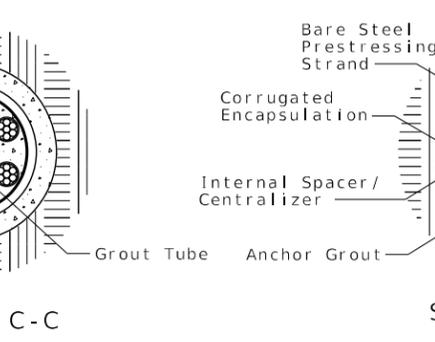
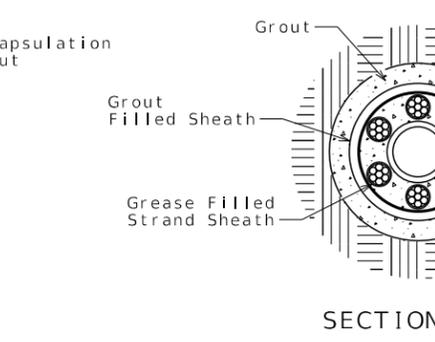
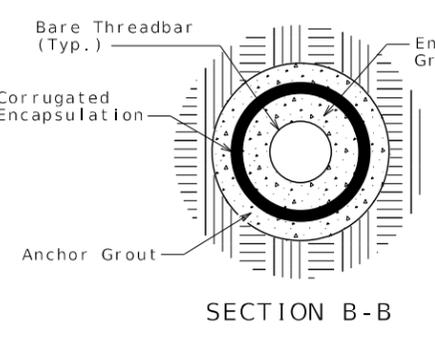
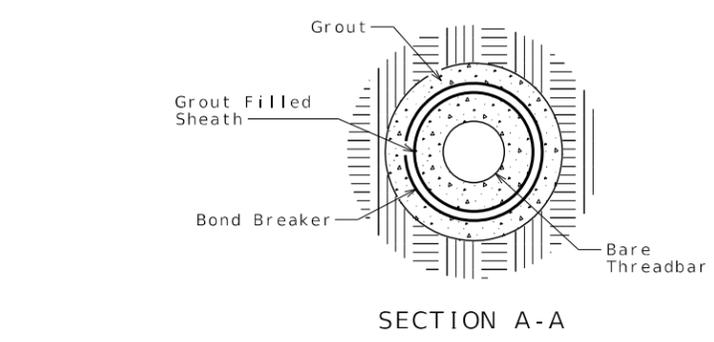
For additional soldier pile details, see Sheet No. 12.



TYPICAL THREADED BAR TIEBACK ANCHOR DETAIL WITH CLASS 1 CORROSION PROTECTION



TYPICAL STEEL PRESTRESSING STRAND TIEBACK ANCHOR DETAIL WITH CLASS 1 CORROSION PROTECTION



Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 11 of 23

TIEBACK ANCHOR DETAILS

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314.770.0467



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DATE PREPARED
02/06/26

ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 12

COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800

DATE	DESCRIPTION

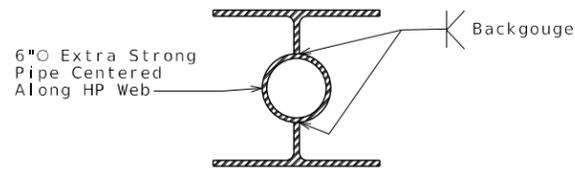
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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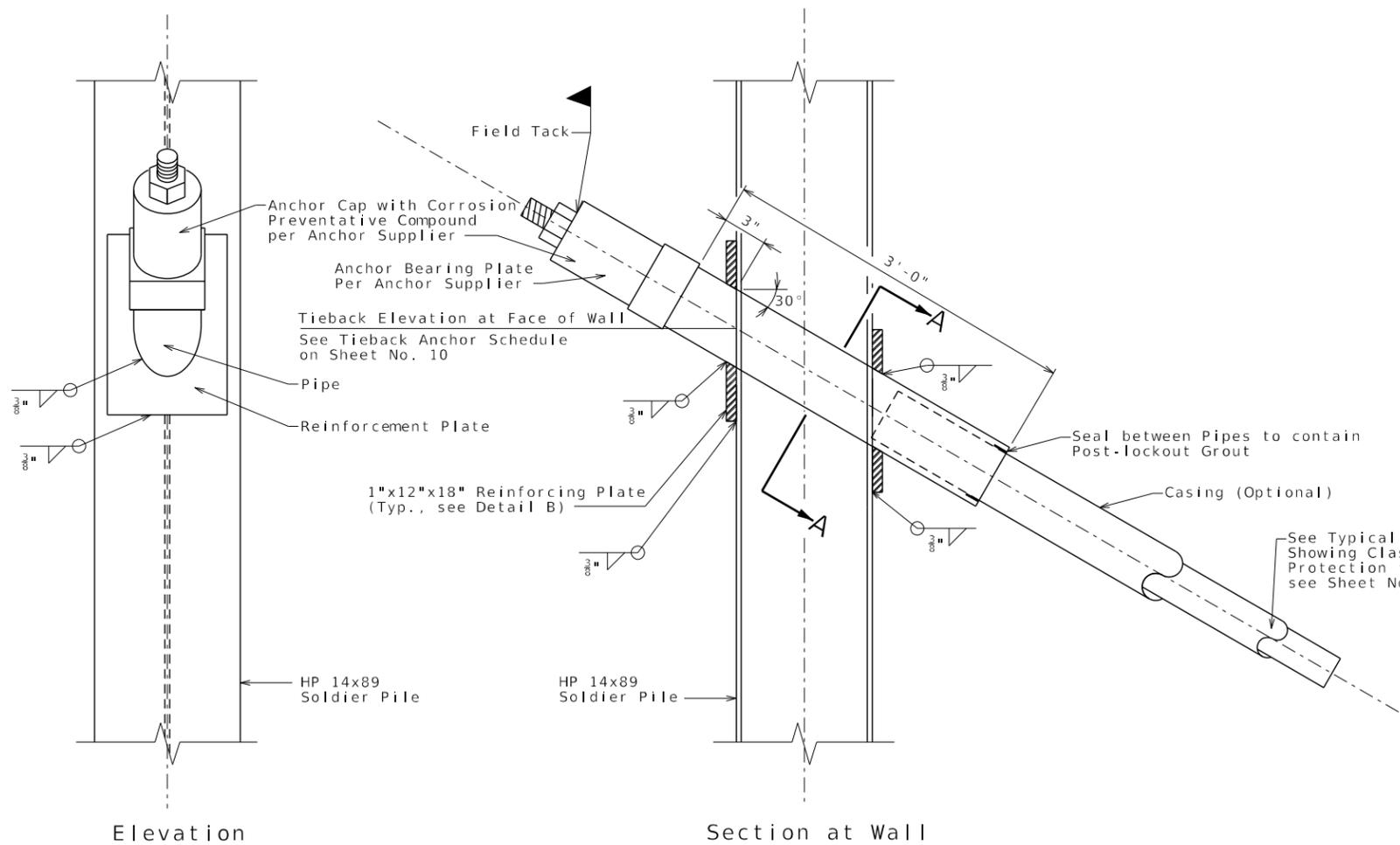
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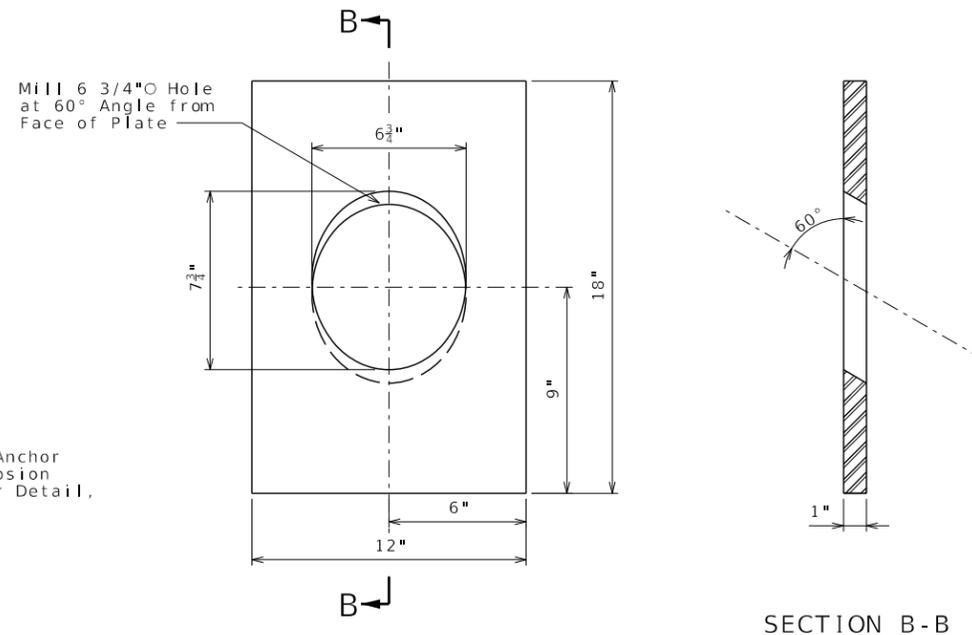


SECTION A-A
(Anchor not Shown for Clarity)



TYPICAL ANCHOR - SOLDIER PILE CONNECTION DETAIL

Note: 1 3/4" Ø GR150 Threadbar Anchor alternative shown, 6-15mm Ø Steel Prestressing Strand Anchor alternative similar.



DETAIL B
REINFORCEMENT PLATE AT ANCHOR-SOLDIER PILE CONNECTION
(2 Plates per Connection)

Notes:

For Typical Wall Section & Tieback Anchor Schedule, see Sheet No. 10.

For tieback anchor details, see Sheet No. 11.

The reinforcing plates and soldier pile (HP14x89), shall be ASTM A709, Grade 50.

The 6"Ø Pipe shall be ASTM A53, Grade B.

The reinforcing plates and 6"Ø Pipe shall be galvanized.

The anchor bearing plate, anchor cap and nut shall be galvanized in accordance with ASTM A123 and Sec 1081.

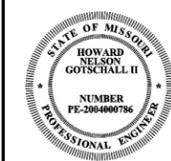
Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 12 of 23

ANCHOR - SOLDIER BEAM CONNECTION DETAILS

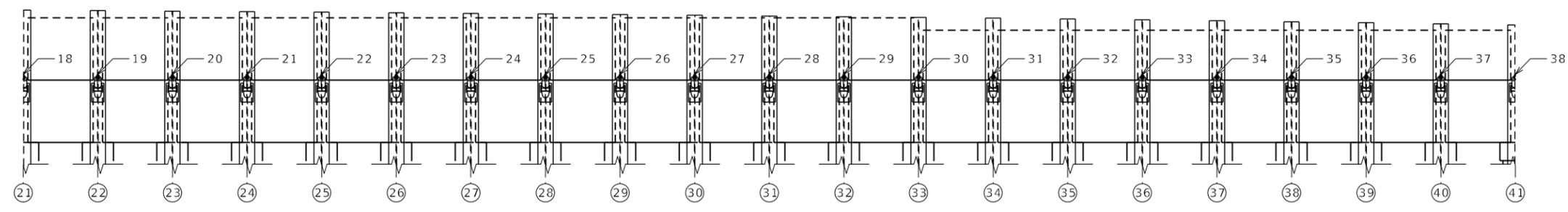
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DATE PREPARED
02/06/26
ROUTE 76 STATE MO
DISTRICT BR SHEET NO. 17
COUNTY TANEY
JOB NO. JSR0326
CONTRACT ID.

PROJECT NO.
BRIDGE NO. A9800



Proof Test Summary Table

Tie Back Number	Date		Length (ft)				Test Load (kips)		Total Elongation (in)	Creep During Hold (in)
	Grouted	Tested	Bond	Unbonded	Jack	Total	Max.	Lockoff		
19							Max.	Lockoff		
20							Max.	Lockoff		
21							Max.	Lockoff		
22							Max.	Lockoff		
23							Max.	Lockoff		
24							Max.	Lockoff		
25							Max.	Lockoff		
26							Max.	Lockoff		
27							Max.	Lockoff		
28							Max.	Lockoff		
29							Max.	Lockoff		
30							Max.	Lockoff		
31							Max.	Lockoff		
32							Max.	Lockoff		
33							Max.	Lockoff		
34							Max.	Lockoff		
35							Max.	Lockoff		
36							Max.	Lockoff		
37							Max.	Lockoff		
38							Max.	Lockoff		

As-Built Drilled Shaft Data

Shaft No.	Top of Sound Rock (Elev.)	Tip of Casing (Elev.)	Bottom of Rock Socket (Elev.)	Remarks
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				

Note:
Indicate remarks in the remarks column.
As Built table to be completed by MoDOT construction personnel.

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 17 of 23

PROOF TEST & AS BUILT TABLES

DESCRIPTION DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

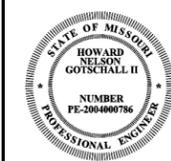


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ROUTE 76 STATE MO

DISTRICT BR SHEET NO. 18

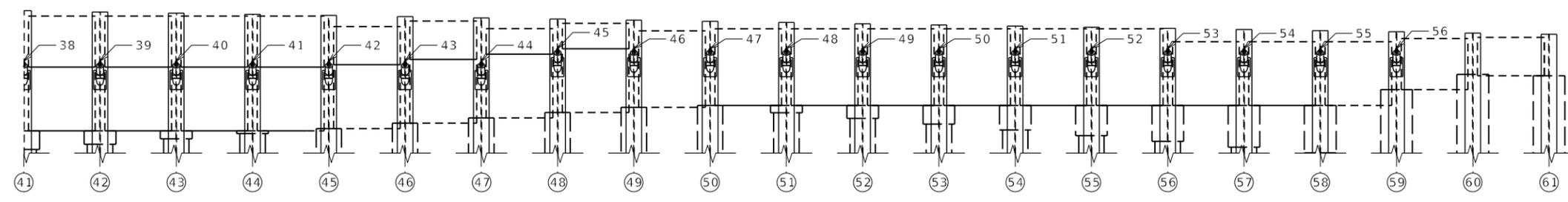
COUNTY TANEY

JOB NO. JSR0326

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A9800



Proof Test Summary Table

Tie Back Number	Date		Length (ft)				Test Load (kips)		Total Elongation (in)	Creep During Hold (in)
	Grouted	Tested	Bond	Unbonded	Jack	Total	Max.	Lockoff		
39							Max.			
							Lockoff			
40							Max.			
							Lockoff			
41							Max.			
							Lockoff			
42							Max.			
							Lockoff			
43							Max.			
							Lockoff			
45							Max.			
							Lockoff			
46							Max.			
							Lockoff			
47							Max.			
							Lockoff			
48							Max.			
							Lockoff			
49							Max.			
							Lockoff			
50							Max.			
							Lockoff			
51							Max.			
							Lockoff			
52							Max.			
							Lockoff			
53							Max.			
							Lockoff			
54							Max.			
							Lockoff			
55							Max.			
							Lockoff			
56							Max.			
							Lockoff			

As-Built Drilled Shaft Data

Shaft No.	Top of Sound Rock (Elev.)	Tip of Casing (Elev.)	Bottom of Rock Socket (Elev.)	Remarks
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				

Note:
Indicate remarks in the remarks column.
As Built table to be completed by MoDOT construction personnel.

Designed: SMC 11/06/25
Detailed: SMC 11/06/25
Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 18 of 23

PROOF TEST & AS BUILT TABLES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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**Missouri Department of Transportation
Construction and Materials**

BORING NO. B-13
Page 1 of 2

Job No.: 24H0082 County: Taney Route: 76
 Design: _____ Skew: _____ Location: Branson, Missouri
 Bent: _____ Logged By: Beya Kazadi Operator: Eric Porter
 Station: _____ Northing: 293754.6518 Date of Work: 08/20/25-08/21/25
 Offset: _____ Easting: 1431770.89 Depth to Water: _____
 Elevation: 737.2 Requested Northing: _____ Depth Hole Open: _____
 Requested Station: _____ Requested Easting: _____ Time Change: _____
 Requested Offset: _____ Equipment: Diedrich D50, Split-Spoon Sampler, NQ
 Requested Elevation: _____ Location Note: _____
 Drill No.: _____ Hammer Efficiency: 79.3% Drilling Method: Continuous Flight Auger

Depth (ft)	Graphic	Description	Elevation (ft)	Sample Type	REC % (RQD %)	Blow Counts (N ₆₀)	Shear Data	Field Tests	Index Tests
0		0.0-0.5' ASPHALT.							
0.5-11.8'		Dark gray to light brown, SAND, scattered to with gravel, dense to loose.	735	X	50	18-15-14 (38)			
3.5'		Dark gray to tan brown, with silt.		X	44	3-4-5 (12)			
6.0'		Dark gray.	730	X	50	4-4-4 (11)			
8.5'		Dark to light brown.		X	50	5-3-4 (9)			
11.8-15.5'		Mottled brown, SANDY SILT, scattered gravel, loose.	725	X	50	4-3-3 (8)			
15.5-18.0'		Light gray mottled brown, GRAVEL, with sand, loose.	720	X	50	6-5-4 (12)			
18.0-20.5'		Brown and gray, SAND, trace silt, scattered gravel, loose.		X	39	4-4-4 (11)			
20.5-23.5'		Tan, SANDY CLAY, scattered gravel, stiff, moist.	715	X	67	7-10-25 (46)	PP = 1.75 tsf		
23.5-50.0'		Dolomite, light gray, very thin to thin bedded, moderately hard, moderately weathered, very intensely fractured.				50/0.0'			
25.5'		Tan gray, with chert.				27 (0)			

N₆₀ = (Em/60)Nm N₆₀ - Corrected N value for standard 60% SPT efficiency; Em - Measured hammer efficiency in percent; Nm - Observed N-value
 (1) = Assumed, (2) = Actual
 Coordinate System: Modified U.S. State Plane 1983 Coordinate Zone: Missouri Central Coordinate Proj. Factor: 1.00004
 Coordinate Datum: NAD 83 (CONUS) Coordinate Units: U.S. Survey Feet
 * Persons using this information are cautioned that the materials shown are determined by the equipment noted and accuracy of the "log of materials" is limited thereby and by judgement of the operator. THIS INFORMATION IS FOR DESIGN PURPOSES ONLY.

**Missouri Department of Transportation
Construction and Materials**

BORING NO. B-13
Page 2 of 2

Job No.: 24H0082 County: Taney Route: 76
 Design: _____ Skew: _____ Location: Branson, Missouri
 Bent: _____ Logged By: Beya Kazadi Operator: Eric Porter
 Station: _____ Northing: 293754.6518 Date of Work: 08/20/25-08/21/25
 Offset: _____ Easting: 1431770.89 Depth to Water: _____
 Elevation: 737.2 Requested Northing: _____ Depth Hole Open: _____
 Requested Station: _____ Requested Easting: _____ Time Change: _____
 Requested Offset: _____ Equipment: Diedrich D50, Split-Spoon Sampler, NQ
 Requested Elevation: _____ Location Note: _____
 Drill No.: _____ Hammer Efficiency: 79.3% Drilling Method: Continuous Flight Auger

Depth (ft)	Graphic	Description	Elevation (ft)	Sample Type	REC % (RQD %)	Blow Counts (N ₆₀)	Shear Data	Field Tests	Index Tests
23.5-50.0'		Dolomite, light gray, very thin to thin bedded, moderately hard, moderately weathered, very intensely fractured. (continued)	710		93 (25)		Qu Test Results UCS = 589 ksf		
30.2'		Medium bedded, slightly fractured							
30.2'		Medium bedded, slightly fractured	705		00 (83)				
34.0'		Shale seam.							
34.0'		Shale seam.	700		00 (97)				
40.7'		Thin to medium bedded, Intensely to moderately fractured.	695		00 (40)				
44.0'		Cherty.							
45.7'		Medium bedded, moderately fractured, little chert.	690		00 (83)				
50.0'		Bottom of borehole at 50.0 feet.							

N₆₀ = (Em/60)Nm N₆₀ - Corrected N value for standard 60% SPT efficiency; Em - Measured hammer efficiency in percent; Nm - Observed N-value
 (1) = Assumed, (2) = Actual
 Coordinate System: Modified U.S. State Plane 1983 Coordinate Zone: Missouri Central Coordinate Proj. Factor: 1.00004
 Coordinate Datum: NAD 83 (CONUS) Coordinate Units: U.S. Survey Feet
 * Persons using this information are cautioned that the materials shown are determined by the equipment noted and accuracy of the "log of materials" is limited thereby and by judgement of the operator. THIS INFORMATION IS FOR DESIGN PURPOSES ONLY.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 02/06/26
 ROUTE: 76 STATE: MO
 DISTRICT: BR SHEET NO.: 19
 COUNTY: TANEY
 JOB NO.: JSR0326
 CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.: A9800

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

HANSON
 Hanson Professional Services Inc.
 600 Washington Ave., Suite 950
 St. Louis, Missouri 63101
 Professional Engineer 001632
 www.hanson-inc.com
 314.770.0467

Designed: SMC 11/06/25
 Detailed: SMC 11/06/25
 Checked: HNG 11/06/25

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 19 of 23

BORING DATA

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

**Missouri Department of Transportation
Construction and Materials**

BORING NO. B-07
Page 1 of 2

Job No.: 24H0082 County: Taney Route: 76
 Design: _____ Skew: _____ Location: Branson, Missouri
 Bent: _____ Logged By: Beya Kazadi Operator: Matt Robinson
 Station: _____ Northing: 293796.588 Date of Work: 02/07/25-02/07/25
 Offset: _____ Easting: 1431737.313 Depth to Water: _____
 Elevation: 736.8 Requested Northing: _____ Depth Hole Open: _____
 Requested Station: _____ Requested Easting: _____ Time Change: _____
 Requested Offset: _____ Equipment: CME-55, Split-Spoon Sampler, NQ
 Requested Elevation: _____ Location Note: _____
 Drill No.: _____ Hammer Efficiency: 83% Drilling Method: Continuous Flight Auger

Depth (ft)	Graphic	Description	Elevation (ft)	Sample Type	REC % (RQD %)	Blow Counts (N ₆₀)	Shear Data	Field Tests	Index Tests
0		0.0-0.8' ASPHALT.							
0.8-7.4'		Dark gray to light gray, SAND, scattered gravel, loose to medium dense.	735	X	22	3-3-2 (7)			
3.5'		Mottled gray, scattered gravel, with silt.		X	33	3-4-3 (10)			
5.0'		with clay.		X	61	4-4-6 (14)			
7.4-14.3'		Light to dark brown, CLAYEY SAND, trace gravel, medium dense, moist.		X	67	6-6-6 (17)			MC = 14.0%
11.0'		Brown.	725	X	56	5-5-6 (15)			MC = 18.1% Sieve Analysis Sieve # % Passing #200 39.0
14.3-17.0'		Light brown, SILTY SAND, trace gravel, medium dense.		X	44	6-5-6 (15)			MC = 11.1% Sieve Analysis Sieve # % Passing #200 27.0
17.0-23.5'		Light brown, SANDY GRAVEL, scattered silt, loose.	720	X	61	4-4-4 (11)			
22.3'		Highly weathered rock (hard drilling).	715						
23.5-33.8'		Dolomite, gray, thin to medium bedded, hard to moderately hard, slightly weathered, fine grained, intensely to moderately fractured.							Qu Test Results UCS = 2430 ksf

N₆₀ = (Em/60)Nm N₆₀ - Corrected N value for standard 60% SPT efficiency; Em - Measured hammer efficiency in percent; Nm - Observed N-value
 (1) = Assumed, (2) = Actual
 Coordinate System: Modified U.S. State Plane 1983 Coordinate Zone: Missouri Central Coordinate Proj. Factor: 1.00004
 Coordinate Datum: NAD 83 (CONUS) Coordinate Units: U.S. Survey Feet

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**Missouri Department of Transportation
Construction and Materials**

BORING NO. B-07
Page 2 of 2

Job No.: 24H0082 County: Taney Route: 76
 Design: _____ Skew: _____ Location: Branson, Missouri
 Bent: _____ Logged By: Beya Kazadi Operator: Matt Robinson
 Station: _____ Northing: 293796.588 Date of Work: 02/07/25-02/07/25
 Offset: _____ Easting: 1431737.313 Depth to Water: _____
 Elevation: 736.8 Requested Northing: _____ Depth Hole Open: _____
 Requested Station: _____ Requested Easting: _____ Time Change: _____
 Requested Offset: _____ Equipment: CME-55, Split-Spoon Sampler, NQ
 Requested Elevation: _____ Location Note: _____
 Drill No.: _____ Hammer Efficiency: 83% Drilling Method: Continuous Flight Auger

Depth (ft)	Graphic	Description	Elevation (ft)	Sample Type	REC % (RQD %)	Blow Counts (N ₆₀)	Shear Data	Field Tests	Index Tests
23.5-33.8'		Dolomite, gray, thin to medium bedded, hard to moderately hard, slightly weathered, fine grained, intensely to moderately fractured. (continued)	710						Qu Test Results UCS = 1920 ksf
31.0'		Cherty (to 31.5').	705						
		Bottom of borehole at 33.8 feet.							

N₆₀ = (Em/60)Nm N₆₀ - Corrected N value for standard 60% SPT efficiency; Em - Measured hammer efficiency in percent; Nm - Observed N-value
 (1) = Assumed, (2) = Actual
 Coordinate System: Modified U.S. State Plane 1983 Coordinate Zone: Missouri Central Coordinate Proj. Factor: 1.00004
 Coordinate Datum: NAD 83 (CONUS) Coordinate Units: U.S. Survey Feet

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DATE PREPARED: 02/06/26
 ROUTE: 76 STATE: MO
 DISTRICT: BR SHEET NO.: 20
 COUNTY: TANEY
 JOB NO.: JSR0326
 CONTRACT ID.:

PROJECT NO.:
 BRIDGE NO.: A9800

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

HANSON

Hanson Professional Services Inc.
 600 Washington Ave. Suite 950
 St. Louis, Missouri 63101
 Professional Engineer 001632
 www.hanson-inc.com
 314.770.0467

Notes:
 For locations of borings, see Sheet No. 1.
 For Notice of Disclaimer Regarding Boring Log Data, see Sheet No. 1

BORING DATA

Designed: SMC 11/06/25
 Detailed: SMC 11/06/25
 Checked: HNG 11/06/25

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