

DESIGN DESIGNATION

A.A.D.T. - 2025 = 3688
 A.A.D.T. - 2055 = 5382
 PEAK HOUR = 7.29%
 T = 5.56%
 V = 55 M.P.H.
 D (N/S) = 47.8%/52.2%

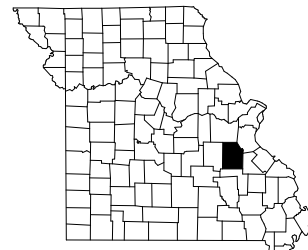
FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR
 MINOR ROADWAY

NORMAL RIGHT OF WAY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**PLANS FOR PROPOSED
 STATE HIGHWAY
 WASHINGTON COUNTY
 ROUTE 47**

TOWNSHIP 38 NORTH, RANGE 3 EAST, SECTION 27



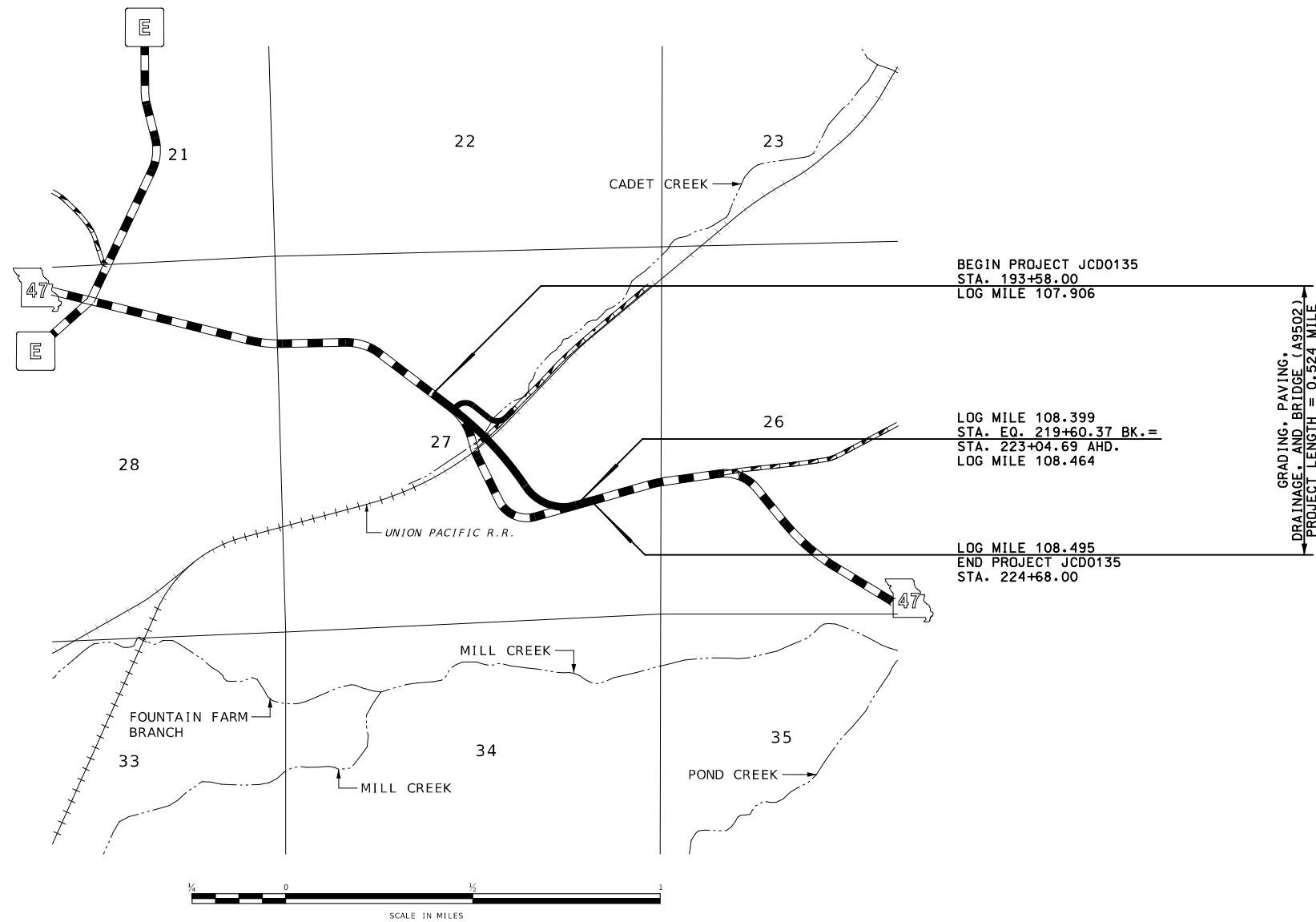
KEY MAP
 LOCATION OF WASHINGTON COUNTY

CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
GUARD CABLE	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
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	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE		
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]
EXISTING RAILROAD SIGNAL GATE	[Symbol]	[Symbol]
SETTLEMENT GAUGE	[Symbol]	[Symbol]

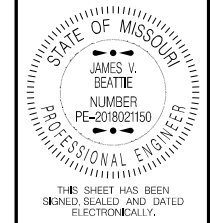
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



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

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THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	1

COUNTY: WASHINGTON
 JOB NO.: JCD0135
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DESCRIPTION	DATE

LENGTH OF PROJECT

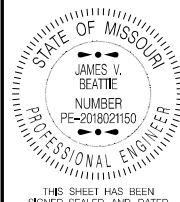
BEGINNING OF PROJECT	STA. 193 + 58.00
END OF PROJECT	STA. 224 + 68.00
APPARENT LENGTH	3110.00 FEET
EQUATIONS:	
	STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD. -344.32 FEET

EXCEPTIONS:
 NONE

TOTAL CORRECTIONS	-344.32 FEET
NET LENGTH OF PROJECT	2765.68 FEET
STATE LENGTH	0.524 MILE
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	12.23 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 2

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

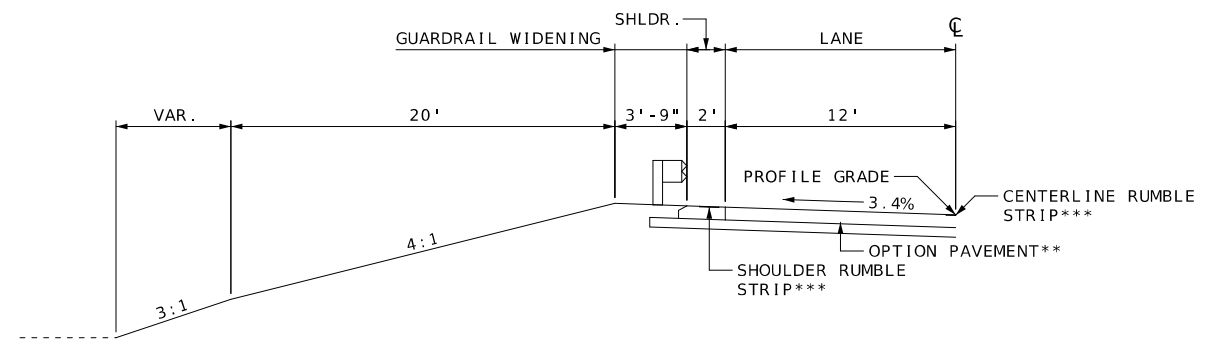
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

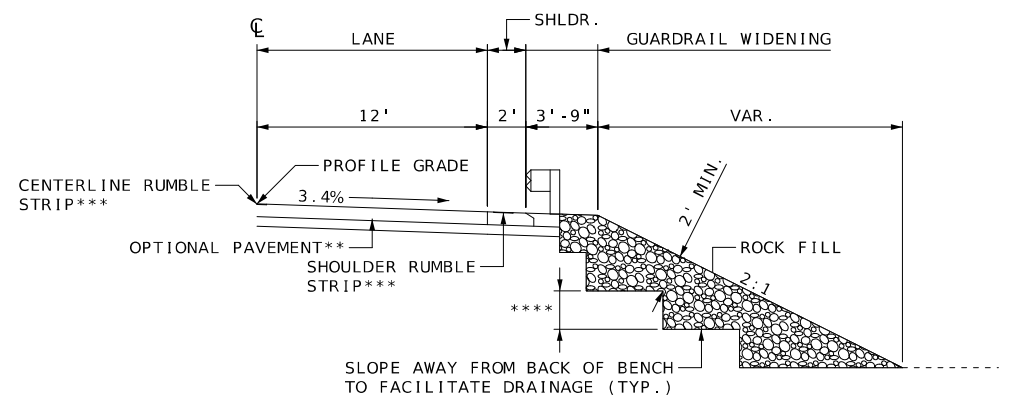
1-888-ASK-MODOT (1-888-275-6636)



TYPICAL SECTION SHEET SHEET 1 OF 3



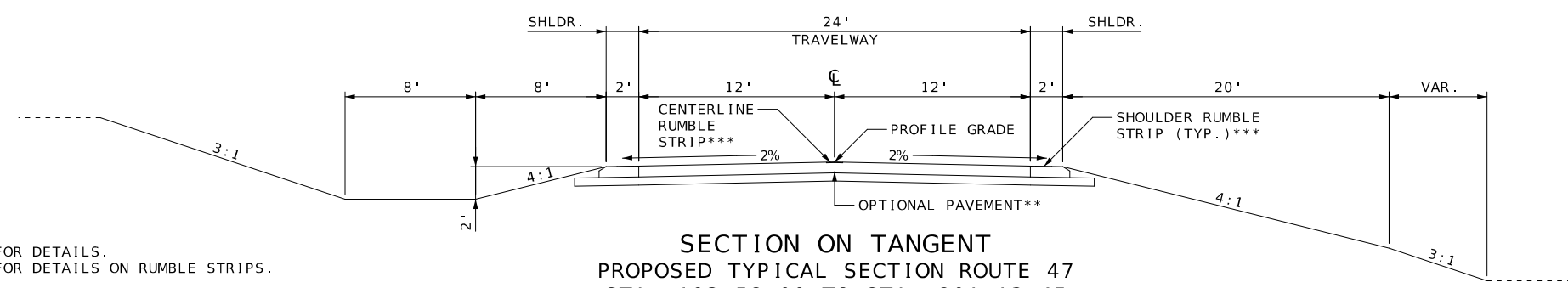
SECTION ON SUPERELEVATED CURVE
PROPOSED TYPICAL GUARDRAIL WIDENING SECTION ROUTE 47 LT.
 STA. 199+85.02 TO STA. 200+96.51
 STA. 204+48.89 TO STA. 207+72.13



SECTION ON SUPERELEVATED CURVE
PROPOSED TYPICAL GUARDRAIL WIDENING SECTION WITH ROCK FILL ROUTE 47 RT.
 STA. 198+25.00 TO STA. 198+75.00

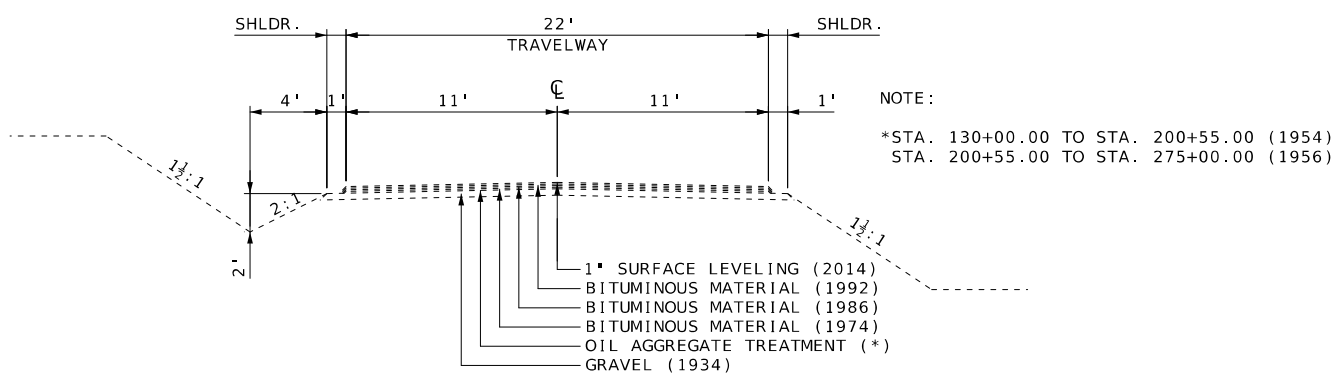
NOTE:
 **** 2' OR AS APPROVED BY THE ENGINEER

THE DESIGN GUIDE FOR THE WIDTH OF RIGHT OF WAY FOR THIS PROJECT WILL BE 120 FEET. MORE OR LESS RIGHT OF WAY, AS WELL AS OTHER PROPERTY INTERESTS, MAY BE SECURED TO SATISFY THE REQUIREMENTS OF THE DESIGN FEATURES OF THIS PROJECT.

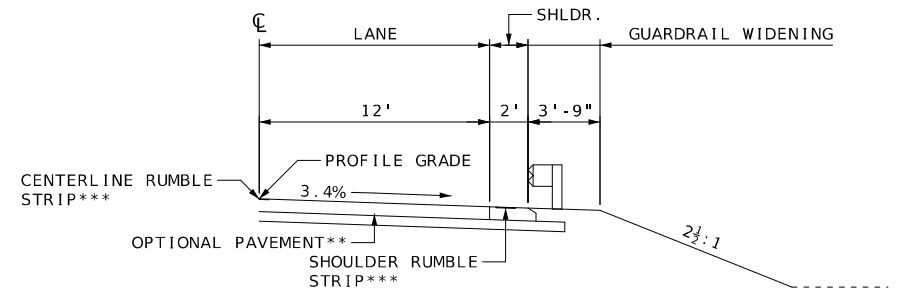


SECTION ON TANGENT
PROPOSED TYPICAL SECTION ROUTE 47
 STA. 193+58.00 TO STA. 201+13.45
 STA. 204+31.95 TO STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
 STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD. TO STA. 224+68.00

NOTE:
 ** SEE TYPICAL SHEET 2 OF 3 FOR DETAILS.
 ***SEE STANDARD PLAN 626.00 FOR DETAILS ON RUMBLE STRIPS.



SECTION ON TANGENT
EXISTING TYPICAL SECTION ROUTE 47
 STA. 188+00.00 TO STA. 234+06.79



SECTION ON SUPERELEVATED CURVE
PROPOSED TYPICAL GUARDRAIL WIDENING SECTION ROUTE 47 RT.
 STA. 195+46.09 TO STA. 198+25.00
 STA. 198+75.00 TO STA. 200+96.39

ROUTE 47



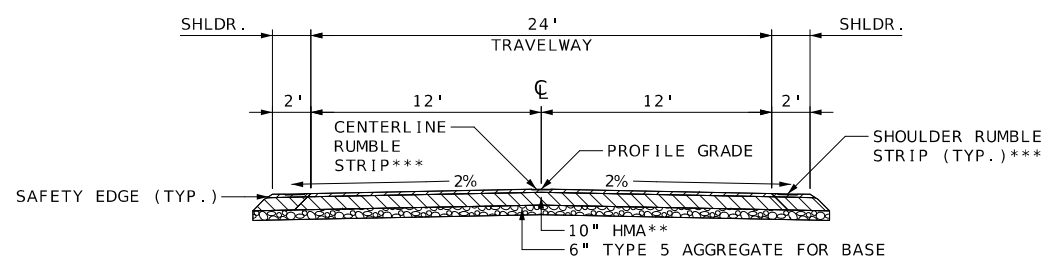
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/25/2026
ROUTE	47
STATE	MO
DISTRICT	CD
SHEET NO.	2
COUNTY	WASHINGTON
JOB NO.	JCD0135
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

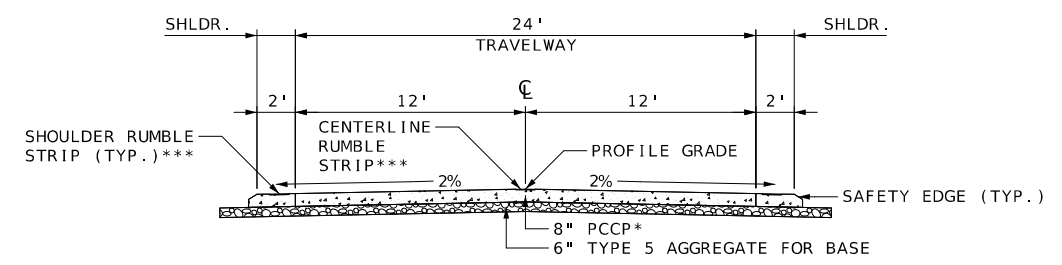
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
 SHEET 2 OF 3



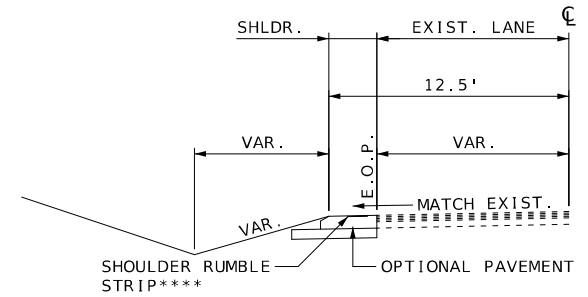
SECTION ON TANGENT
 HOT MIX ASPHALT OPTION - ROUTE 47
 STA. 193+58.00 TO STA. 201+13.45
 STA. 204+31.95 TO STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
 STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD. TO STA. 224+68.00

NOTE:
 ** 10" HMA SHALL CONSIST OF THE FOLLOWING
 2" BP-1 PG 64-22
 8" PBBB PG 64-22



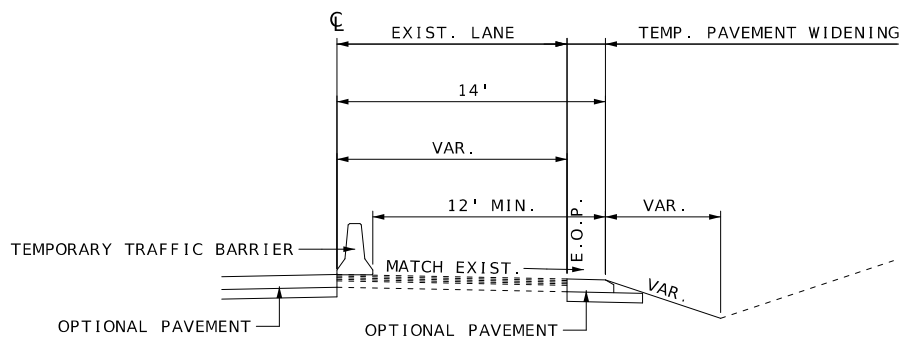
SECTION ON TANGENT
 CONCRETE OPTION - ROUTE 47
 STA. 193+58.00 TO STA. 201+13.45
 STA. 204+31.95 TO STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
 STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD. TO STA. 224+68.00

NOTE:
 * 15' JOINTS AND 1 1/4" DOWELS

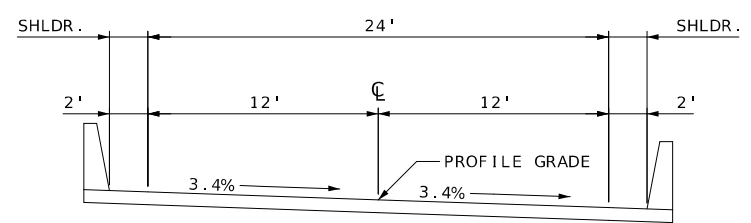


SECTION ON TANGENT
 PROPOSED TYPICAL SHOULDER WIDENING SECTION ROUTE 47 LT.
 STA. 224+68.00 TO STA. 225+50.00

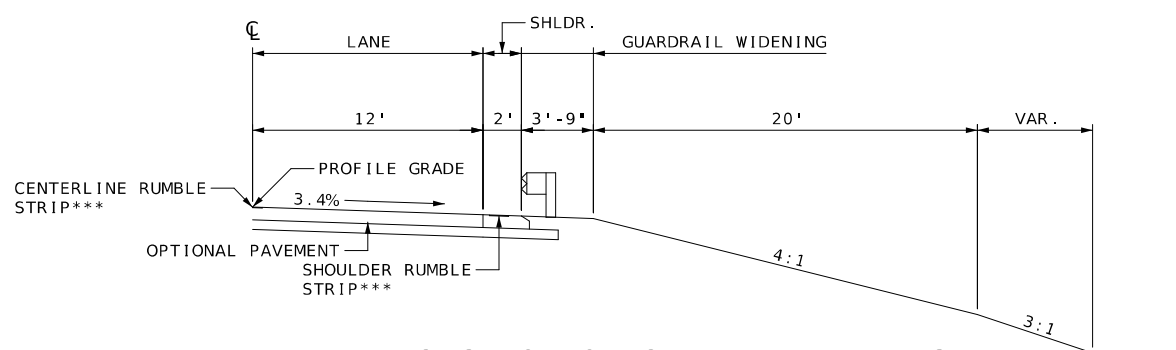
NOTE:
 *** SEE STANDARD PLAN 626.00 FOR DETAILS ON RUMBLE STRIPS.
 ***THE INSIDE EDGE OF THE SHOULDER RUMBLE STRIP SHALL BE A MINIMUM OF 10 FEET FROM THE EXISTING CENTERLINE RUMBLE STRIP.



SECTION ON TANGENT
 PROPOSED TYPICAL TEMPORARY PAVEMENT WIDENING SECTION EXISTING ROUTE 47 RT.
 STA. 216+20.00 TO STA. 226+45.00

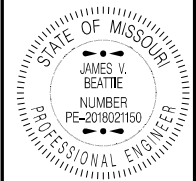


SECTION ON SUPERELEVATED CURVE
 PROPOSED BRIDGE TYPICAL SECTION ROUTE 47
 STA. 201+13.45 TO STA. 204+31.95



SECTION ON SUPERELEVATED CURVE
 PROPOSED TYPICAL GUARDRAIL WIDENING SECTION ROUTE 47 RT.
 STA. 204+49.01 TO STA. 205+73.84

ROUTE 47



THIS SHEET HAS BEEN
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ELECTRONICALLY.

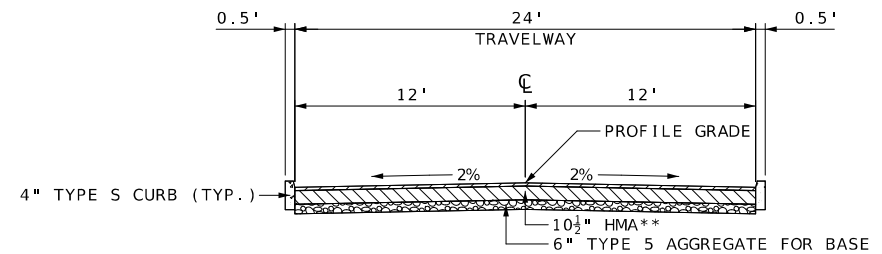
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

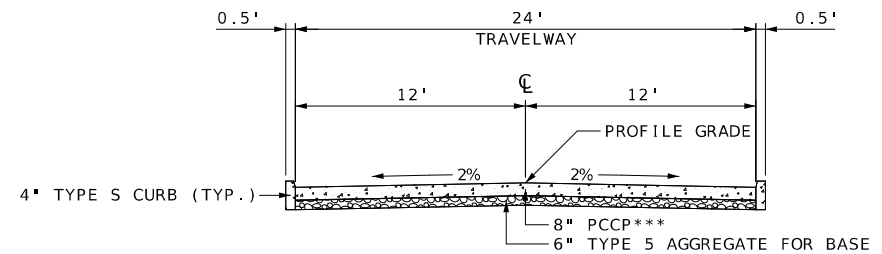
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
SHEET 3 OF 3



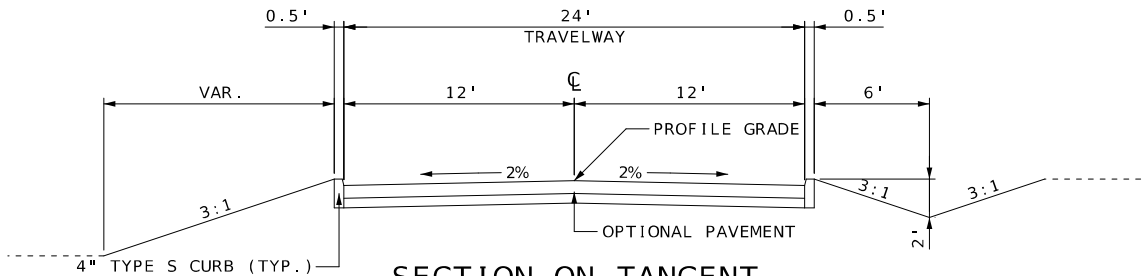
SECTION ON TANGENT
HOT MIX ASPHALT OPTION - BUCKMAN LABORATORIES DRIVEWAY
STA. 5+14.00 TO STA. 11+64.64

NOTE:
** 10½" HMA SHALL CONSIST OF THE FOLLOWING
2" BP-1 PG 64-22
8½" PBBB PG 64-22

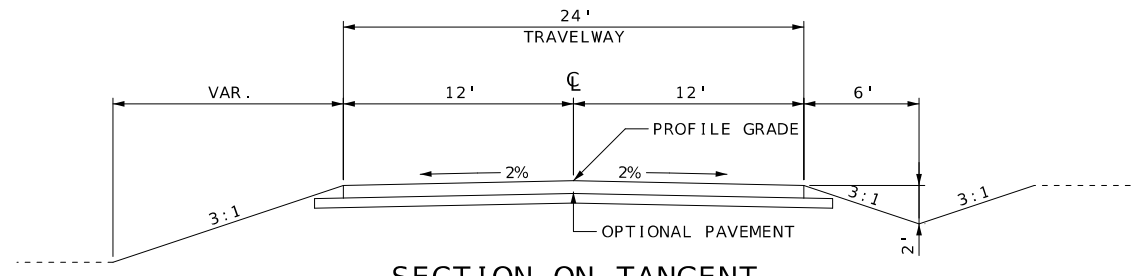


SECTION ON TANGENT
CONCRETE OPTION - BUCKMAN LABORATORIES DRIVEWAY
STA. 5+14.00 TO STA. 11+64.64

NOTE:
*** 15' JOINTS AND 1¼" DOWELS



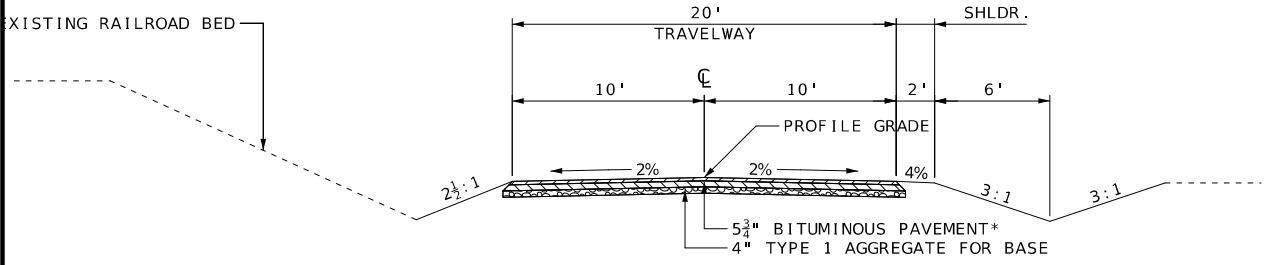
SECTION ON TANGENT
PROPOSED TYPICAL SECTION BUCKMAN LABORATORIES DRIVEWAY
STA. 5+14.00 TO STA. 7+21.57



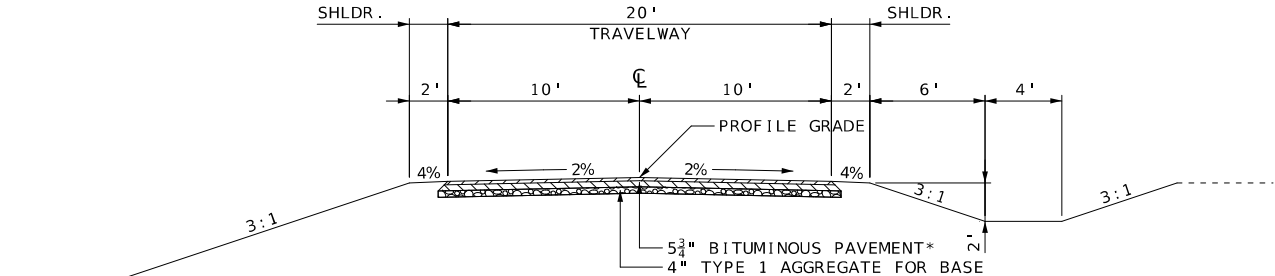
SECTION ON TANGENT
PROPOSED TYPICAL SECTION BUCKMAN LABORATORIES DRIVEWAY
STA. 7+21.57 TO STA. 11+64.64

BUCKMAN LABORATORIES DRIVEWAY

NOTE:
* 5¾" BITUMINOUS PAVEMENT SHALL CONSIST OF THE FOLLOWING
2" BP-1 PG 64-22
3¾" PBBB PG 64-22



SECTION ON TANGENT
PROPOSED TYPICAL SECTION RODERICK ROAD
STA. 6+54.45 TO STA. 8+73.38



SECTION ON TANGENT
PROPOSED TYPICAL SECTION RODERICK ROAD
STA. 8+73.38 TO STA. 14+86.00

RODERICK ROAD

RIGHT OF WAY MARKERS QUANTITIES					
STATION	LOC.	OFFSET	STEEL RIGHT OF WAY MARKERS EA.	2 IN. ALUMINUM CAP WITH MODOT R/W IMPRINT EA	6 FT. WHITE CARSONITE POST WITH MODOT R/W STICKER EA.
RIGHT OF WAY LINE					
193+58.00	NEW RTE. 47 LT.	30'	1	1	1
194+00.00	NEW RTE. 47 LT.	50'	1	1	1
196+70.00	NEW RTE. 47 LT.	80'	1	1	1
202+63.42	NEW RTE. 47 LT.	110'	1	1	1
204+09.56	NEW RTE. 47 LT.	110'	1	1	1
206+00.00	NEW RTE. 47 LT.	110'	1	1	1
207+00.00	NEW RTE. 47 LT.	155'	1	1	1
207+50.00	NEW RTE. 47 LT.	155'	1	1	1
209+40.03	NEW RTE. 47 LT.	105'	1	1	1
212+30.03	NEW RTE. 47 LT.	80'	1	1	1
215+00.00	NEW RTE. 47 LT.	55'	1	1	1
223+04.69	NEW RTE. 47 LT.	55'	1	1	1
223+80.00	NEW RTE. 47 LT.	44'	1	1	1
225+00.00	NEW RTE. 47 LT.	44'	1	1	1
225+50.00	NEW RTE. 47 LT.	30'	1	1	1
193+58.00	NEW RTE. 47 RT.	30'	1	1	1
194+00.00	NEW RTE. 47 RT.	50'	1	1	1
196+47.70	NEW RTE. 47 RT.	65'	1	1	1
197+75.00	NEW RTE. 47 RT.	80'	1	1	1
198+30.00	NEW RTE. 47 RT.	68'	1	1	1
199+17.07	NEW RTE. 47 RT.	90.40'	1	1	1
202+45.50	NEW RTE. 47 RT.	110'	1	1	1
204+00.11	NEW RTE. 47 RT.	110'	1	1	1
209+40.03	NEW RTE. 47 RT.	110'	1	1	1
212+30.03	NEW RTE. 47 RT.	85'	1	1	1
214+00.00	NEW RTE. 47 RT.	55'	1	1	1
217+96.02	NEW RTE. 47 RT.	55'	1	1	1
6+54.45	RELOC. RODERICK RD. LT.	24.87'	1	1	
8+18.52	RELOC. RODERICK RD. LT.	30'	1	1	1
8+75.00	RELOC. RODERICK RD. LT.	30'	1	1	1
9+20.00	RELOC. RODERICK RD. LT.	70'	1	1	1
9+55.00	RELOC. RODERICK RD. LT.	70'	1	1	1
9+99.38	RELOC. RODERICK RD. LT.	30'	1	1	1
12+44.38	RELOC. RODERICK RD. LT.	30'	1	1	1
13+35.00	RELOC. RODERICK RD. LT.	30'	1	1	1
6+54.45	RELOC. RODERICK RD. RT.	25'	1	1	
7+36.32	RELOC. RODERICK RD. RT.	35'	1	1	
7+82.44	RELOC. RODERICK RD. RT.	35'	1	1	
8+90.00	RELOC. RODERICK RD. RT.	45'	1	1	
9+99.38	RELOC. RODERICK RD. RT.	80'	1	1	
11+00.00	RELOC. RODERICK RD. RT.	90'	1	1	
12+44.38	RELOC. RODERICK RD. RT.	65'	1	1	
13+35.00	RELOC. RODERICK RD. RT.	85'	1	1	1
13+65.00	RELOC. RODERICK RD. RT.	105'	1	1	1
13+95.00	RELOC. RODERICK RD. RT.	105'	1	1	1
PERMANENT EASEMENTS					
204+11.21	NEW RTE. 47 LT.	190'	1	1	
204+70.00	NEW RTE. 47 LT.	190'	1	1	
204+70.00	NEW RTE. 47 LT.	110'	1	1	
204+90.00	NEW RTE. 47 RT.	110'	1	1	
205+21.37	EXIST. RTE. 47 LT.	35'	1	1	
204+85.00	EXIST. RTE. 47 RT.	35'	1	1	
9+35.00	RELOC. RODERICK RD. RT.	68.6'	1	1	
9+35.00	RELOC. RODERICK RD. RT.	105'	1	1	
9+99.38	RELOC. RODERICK RD. RT.	105'	1	1	
10+15.00	RELOC. RODERICK RD. RT.	105'	1	1	
10+15.00	RELOC. RODERICK RD. RT.	81.55'	1	1	
TOTALS			56	56	37
PAY TOTALS			56	56	37

FOR INFORMATION ONLY, FURNISHED AND INSTALLED BY OTHERS



DATE PREPARED
2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
WASHINGTON

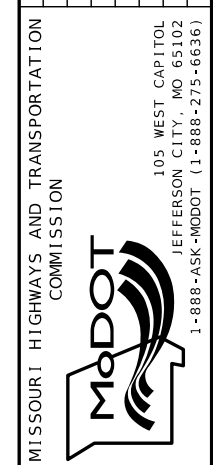
JOB NO.
JCD0135

CONTRACT ID.

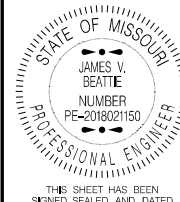
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



SUMMARY OF QUANTITIES
SHEET 1 OF 12



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 3

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 2 OF 12

CLEARING AND GRUBBING QUANTITIES

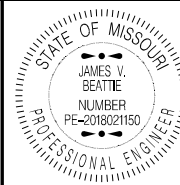
STATION	STATION	LOC.	CLEARING AND GRUBBING ACRE
193+58.00	202+30.00	RTE. 47 LT.	2.8
203+35.00	224+68.00	RTE. 47 LT.	2.4
193+58.00	202+30.00	RTE. 47 RT.	0.8
203+35.00	224+68.00	RTE. 47 RT.	2.2
TOTAL			8.2
PAY TOTAL			8

REMOVAL OF IMPROVEMENTS QUANTITIES

PLAN SHEET NO.	STATION	STATION	LOC.	OFFSET	DESCRIPTION	REMARKS
16	192+95.00		EXIST. RTE. 47 RT.	22'	SIGN W10-1 (RAILROAD CROSSING)	INCLUDES POST
16	193+28.00		EXIST. RTE. 47 LT.	21'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
16	193+58.00		EXIST. RTE. 47 C		25' FULL DEPTH SAW CUT	
16, 17, 18, 24, 25, 29, & 31	193+58.00	202+92.52	EXIST. RTE. 47 C		2606 SQ. YD. FULL DEPTH ASPHALT PAVEMENT	
16 & 24	194+04.00	199+08.00	EXIST. RTE. 47 LT.	38' TO 147'	563' FENCE	
17	195+70.00		EXIST. RTE. 47 LT.	18'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
17 & 24	196+48.00		EXIST. RTE. 47 LT.	17'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
17 & 24	198+84.00		EXIST. RTE. 47 LT.	17'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
17 & 24	199+59.00		EXIST. RTE. 47 LT.	20'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
17, 18, & 24	199+72.00		EXIST. RTE. 47 LT.	106'	2625 SQ.FT. BUILDING FOUNDATION	
18 & 25	200+19.00		EXIST. RTE. 47 LT.	46'	79 SQ.FT. BUILDING FOUNDATION	
18, 25, & 31	200+56.00		EXIST. RTE. 47 RT.	17'	18" X 28' CMP	
18, 25, 26, & 29	202+47.00		EXIST. RTE. 47 LT.	35'	SIGN R1-1 (STOP SIGN)	INCLUDES POST
18, 25, 26, & 29	202+49.00		EXIST. RTE. 47 C		6' X 6' X 58' RCB	
25 & 26	202+92.52		EXIST. RTE. 47 C		27' FULL DEPTH SAW CUT	
21, 22, 25, 27, & 34	203+33.26	224+68.00	EXIST. RTE. 47 C		7388 SQ. YD. FULL DEPTH ASPHALT PAVEMENT	INCLUDES DRIVEWAY PAVEMENTS
25 & 34	204+47.00	205+03.00	EXIST. RTE. 47 LT.	36' TO 29'	55' FENCE	
5 & 7	209+55.00		EXIST. RTE. 47 LT.	20'	SIGN W10-1 (RAILROAD CROSSING)	INCLUDES POST
5 & 8	211+14.00		EXIST. RTE. 47 RT.	18'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
5 & 8	211+93.00		EXIST. RTE. 47 RT.	16'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
27	215+28.00		EXIST. RTE. 47 RT.	18'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
27	216+03.00		EXIST. RTE. 47 RT.	16'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
27	216+83.00		EXIST. RTE. 47 RT.	17'	SIGN OM3 (OBJECT MARKER)	INCLUDES POST
21 & 27	221+62.00		EXIST. RTE. 47 C		18" X 32' CMP	
22	223+46.00	224+41.00	EXIST. RTE. 47 LT.	49' TO 44'	95' FULL DEPTH SAW CUT	
22	224+68.00		EXIST. RTE. 47 C		22' FULL DEPTH SAW CUT	
22	224+68.00	225+50.00	EXIST. RTE. 47 LT.	10'	82' FULL DEPTH SAW CUT	
22	224+68.00	226+45.00	EXIST. RTE. 47 RT.	12'	177' FULL DEPTH SAW CUT	
22	225+50.00		EXIST. RTE. 47 LT.	23'	SIGN W1-2R (CURVE RIGHT)	INLCUDES POST
					SIGN W13-1P (ADVISORY SPEED PLAQUE)	
18, 23, 25, 26, & 29	3+08.76	9+85.93	EXIST. RODERICK RD. C		1292 SQ. YD. FULL DEPTH ASPHALT PAVEMENT	
23	6+54.45		RELOC. RODERICK RD. C		17' FULL DEPTH SAW CUT	
23 & 29	8+73.00		RELOC. RODERICK RD. C		74' FENCE	
27	11+64.64		BUCKMAN DRIVEWAY		24' FULL DEPTH SAW CUT	
LUMP SUM 1						

DISPOSAL AND PLUGGING OF WELLS QUANTITIES

STATION	LOC.	OFFSET	DISPOSAL AND PLUGGING OF WELLS EA.
200+08.22	NEW RTE. 47 LT.	42.09'	1
TOTAL			1
PAY TOTAL			1



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026

ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 3

COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MOTD

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

PLAN SHEET NO.	STATION	STATION	LOC.	UNCLASSIFIED EXCAVATION CU.YD.	COMP. EMBANK. CU.YD.	EMBANK. IN PLACE CU.YD.	REMARKS
4	193+58.00	201+13.45	NEW RTE. 47	920	767	35348	
5	204+31.95	225+74.35	NEW RTE. 47	3712	4419	35298	OBTAIN 73 CU.YD. FROM EXIST. RTE. 47 STA. 216+20.00 TO STA. 226+53.48 OBTAIN 505 CU.YD. FROM SPILL FILL DITCH STA. 0+00.00 TO STA. 1+51.42 OBTAIN 1013 CU.YD. FROM SOUTHWEST DITCH STA. 0+00.00 TO STA. 2+80.47
6	6+54.45	14+86.00	RELOC. RODERICK RD.	878	732	23344	
7	199+33.15	202+75.68	EXIST. RTE. 47	145	121	235	INCLUDES EARTHWORK FOR EXIST. DITCH FILL, SUBSTATION DRIVEWAY, CULVERT RADIUS, AND CHANNEL MODIFICATIONS
8	216+20.00	226+53.48	EXIST. RTE. 47	140	56		USE 73 CU.YD. IN BAL. NEW RTE. 47 STA. 204+31.95 TO STA. 225+74.35
27	5+14.00	11+64.64	BUCKMAN DRIVEWAY	1137	156		DISBOSE 950 CU.YD. OFF SITE
33	0+00.00	1+51.42	SPILL FIL DITCH	505	0		USE 505 CU.YD. IN BAL. NEW RTE. 47 STA. 204+31.95 TO STA. 225+74.35
34	0+00.00	2+80.47	SOUTHWEST DITCH	1038	21		USE 1013 CU.YD. IN BAL. NEW RTE. 47 STA. 204+31.95 TO STA. 225+74.35
TOTALS				8475	6272	94225	
PAY TOTALS				8475	6272	94225	

STATION	LOC.	OFFSET	SETTLEMENT GAUGE EA.
204+31.25	NEW RTE. 47 LT.	14'	1
204+31.25	NEW RTE. 47 RT.	14'	1
206+00.00	NEW RTE. 47 C		1
208+00.00	NEW RTE. 47 C		1
210+00.00	NEW RTE. 47 C		1
212+00.00	NEW RTE. 47 C		1
10+00.00	RELOC. RODERICK RD. C		1
12+00.00	RELOC. RODERICK RD. C		1
13+00.00	RELOC. RODERICK RD. C		1
14+00.00	RELOC. RODERICK RD. C		1
TOTAL			10
PAY TOTAL			10

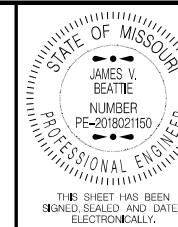
STATION	STATION	LOC.	FURNISHING ROCK FILL CU.YD.	PLACING ROCK FILL CU.YD.
198+25.00	198+75.00	NEW RTE. 47 RT.	208.6	208.6
TOTALS			208.6	208.6
PAY TOTALS			209	209

STATION	STATION	LOC.	GRAVEL A OR CRUSHED STONE B 4 INCHES SQ.YD.	REMARKS
2+60.00	4+88.00	RAILROAD DRIVEWAY	751.9	
5+00.00	6+08.70	POWER SUBSTATION DRIVEWAY	320.2	
201+25.00	202+73.97	EXIST. RTE. 47	877.6	INCLUDES ROCK FOR EXIST. RODERICK RD. & BOX CULV'T RADIUS
TOTAL			1949.7	
PAY TOTAL			1950	

RODERICK ROAD PAVEMENT QUANTITIES					
STATION	STATION	LOC.	AVERAGE WIDTH FEET	TYPE 1 AGGREGATE FOR BASE 4 IN. THICK SQ.YD.	5 3/4 IN. BITUMINOUS PAVEMENT SQ.YD.
6+54.45	7+01.00	RELOC. RODERICK RD.	VAR.	100.5	95.47
7+01.00	11+00.00	RELOC. RODERICK RD.	20	930.0	886.67
11+00.00	12+30.84	RELOC. RODERICK RD.	VAR.	344.5	330.28
12+30.84	13+81.15	RELOC. RODERICK RD.	VAR.	523.4	507.68
13+81.15	13+93.11	RELOC. RODERICK RD.	VAR.	45.4	44.18
13+93.11	14+86.00	RELOC. RODERICK RD.	VAR.	608.9	594.61
TOTALS				2552.7	2458.89
PAY TOTALS				2553	2458.9

OPTIONAL PAVEMENT QUANTITIES								
STATION	STATION	LOC.	AVERAGE WIDTH FEET	TYPE 5 AGGREGATE FOR BASE 6 IN. THICK SQ.YD.	ROUTE 47 OPTIONAL PAVEMENT 8 IN. PCCP 10 IN. HMA SQ. YD.	BUCKMAN DRIVEWAY OPTIONAL PAVEMENT 8 IN. PCCP 10 1/2 IN. HMA SQ. YD.	REMARKS	
216+20.00	224+68.00	EXIST. RTE. 47 RT.	VAR.	217.2	217.17		SHLDR. RT. FOR STAGED CONSTRUCTION	
193+58.00	194+08.00	NEW RTE. 47	VAR.	146.5	146.51		INCLUDES SHLDR. LT. & RT.	
194+08.00	200+59.36	NEW RTE. 47	28	2026.5	2026.45		INCLUDES SHLDR. LT. & RT.	
200+59.36	200+93.45	NEW RTE. 47	VAR.	106.9	106.86		INCLUDES SHLDR. LT. & RT.	
		NEW RTE. 47 - BRIDGE						
204+51.95	204+86.04	NEW RTE. 47	VAR.	106.8	106.77		INCLUDES SHLDR. LT. & RT.	
204+86.04	211+11.37	NEW RTE. 47	28	1945.5	1945.47		INCLUDES SHLDR. LT. & RT.	
211+11.37	212+89.37	NEW RTE. 47	VAR.	605.4	605.38		INCLUDES SHLDR. LT. & RT.	
212+89.37	219+01.04	NEW RTE. 47	33.30	2263.2	2263.18		INCLUDES SHLDR. LT. & RT. CURVE WIDENING	
219+01.04	219+60.37	NEW RTE. 47	VAR.	212.7	212.75		INCLUDES SHLDR. LT. & RT.	
223+04.69	223+61.00	NEW RTE. 47	VAR.	191.6	191.61		STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD. INCLUDES SHLDR. LT. & RT.	
223+61.00	224+68.00	NEW RTE. 47	VAR.	334.5	334.48		INCLUDES SHLDR. LT. & RT.	
224+68.00	225+50.00	NEW RTE. 47 LT.	VAR.	22.6	22.63		SHLDR. LT. FOR STAGED CONSTRUCTION	
224+68.00	226+45.00	NEW RTE. 47 RT.	VAR.	39.7	39.69		SHLDR. RT. FOR STAGED CONSTRUCTION	
5+14.00	5+55.00	BUCKMAN DRIVEWAY	VAR.	347.8		347.76		
5+55.00	7+21.57	BUCKMAN DRIVEWAY	VAR.	630.1		630.13		
7+21.57	8+60.87	BUCKMAN DRIVEWAY	24	371.5		371.47		
8+60.87	10+15.87	BUCKMAN DRIVEWAY	VAR.	435.3		435.30		
10+15.87	10+58.48	BUCKMAN DRIVEWAY	26.6	125.9		125.94	CURVE WIDENING	
10+58.48	11+64.64	BUCKMAN DRIVEWAY	VAR.	289.5		289.54		
TOTALS				10419.2	8218.95	2200.14		
PAY TOTALS				10419	8219.0	2200.1		

GUARDRAIL QUANTITIES									
STATION	STATION	LOC.	SIGN NUMBER OM4 18" X 18"	TYPE D GUARDRAIL L.F.	U-CHANNEL POST 3 LB. L.F.	FLAT SHEET SH SQ.FT.	MGS GUARDRAIL L.F.	MGS BRIDGE APPROACH TRANSITION SECTION REGULAR/NO CURB EA.	TYPE A CRASHWORTHY END TERMINAL MASH EA.
200+09.93	200+99.00	NEW RTE. 47 LT.						1	1
204+46.40	207+47.22	NEW RTE. 47 LT.					212.5	1	1
195+70.42	200+98.90	NEW RTE. 47 RT.					437.5	1	1
204+46.50	205+48.75	NEW RTE. 47 RT.					12.5	1	1
202+72.35		EXIST. RTE. 47	4	25.0	36.5	9.0			
204+36.18		EXIST. RTE. 47	4	25.0	36.5	9.0			
TOTALS				50.0	73.0	18.0	662.5	4	4
PAY TOTALS				50	73	18	663	4	4



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 3

COUNTY WASHINGTON

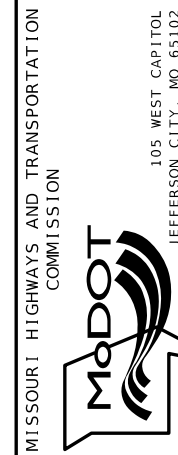
JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

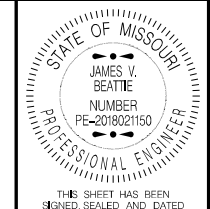
DATE	DESCRIPTION



SUMMARY OF QUANTITIES
SHEET 4 OF 12

CURB QUANTITIES

STATION	STATION	LOC.	4" TYPE S CONCRETE CURB L.F.
200+91.03	200+93.45	NEW RTE. 47 LT.	2.4
204+51.95	204+54.53	NEW RTE. 47 LT.	2.6
200+81.32	200+93.45	NEW RTE. 47 RT.	12.1
204+51.95	204+54.53	NEW RTE. 47 RT.	2.6
5+55.00	7+21.57	BUCKMAN DRIVEWAY LT.	175.0
11+58.65	11+64.64	BUCKMAN DRIVEWAY LT.	6.0
5+80.16	7+21.57	BUCKMAN DRIVEWAY RT.	129.7
10+16.78	11+64.64	BUCKMAN DRIVEWAY RT.	152.7
TOTAL			483.1
PAY TOTAL			483



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 3

COUNTY

WASHINGTON

JOB NO.

JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	DATE	DATE	DATE	DATE	DATE	DATE

ROCK DITCH LINER QUANTITIES

STATION	STATION	LOC.	DITCH PROTECTION DEPTH FEET	PERMANENT EROSION CONTROL GEOTEXTILE SQ. YD.	BEDDING MATERIAL FOR ROCK DITCH LINER CU. YD.	FURNISHING TYPE 1 ROCK DITCH LINER CU. YD.	FURNISHING TYPE 2 ROCK DITCH LINER CU. YD.	FURNISHING TYPE 3 ROCK DITCH LINER CU. YD.	FURNISHING TYPE 4 ROCK DITCH LINER CU. YD.	PLACING TYPE 1 ROCK DITCH LINER CU. YD.	PLACING TYPE 2 ROCK DITCH LINER CU. YD.	PLACING TYPE 3 ROCK DITCH LINER CU. YD.	PLACING TYPE 4 ROCK DITCH LINER CU. YD.	REMARKS	
195+25.00	196+04.37	NEW RTE. 47 LT.	0.75	134.4			38.2				38.2				
196+04.37	196+68.17	NEW RTE. 47 LT.	0.75	117.3		23.1				23.1					
207+14.71	209+24.00	NEW RTE. 47 LT.	2.00 - 1.75 - 1.00	537.4	90.4			249.0				249.0			
209+56.00	210+75.00	NEW RTE. 47 LT.	0.75	205.3			58.3				58.3				
211+50.00	213+00.00	NEW RTE. 47 LT.	0.75	234.6		46.3				46.3					
193+58.00	197+75.00	NEW RTE. 47 RT.	0.75 - 1.00	526.0			140.5				140.5				
197+75.00	199+25.00	NEW RTE. 47 RT.	1.00 - 1.25	241.1	33.6			93.5				93.5			
199+25.00	202+09.18	NEW RTE. 47 RT.	1.00	487.8			138.4				138.4				
204+70.00	205+48.75	NEW RTE. 47 RT.	0.75	129.0			36.5				36.5				
210+05.17	210+75.00	NEW RTE. 47 RT.	1.25	162.2	26.7			73.5				73.5			
210+75.00	212+75.00	NEW RTE. 47 RT.	1.25 - 1.00 - 0.75	349.7			99.5				99.5				
9+52.12	11+80.00	RELOC. RODERICK RD. LT.	1.75 - 1.50	662.1	116.4			320.1				320.1			
11+80.00	12+32.00	RELOC. RODERICK RD. LT.	1.50	153.5			46.4				46.4				
9+10.00	9+43.73	RELOC. RODERICK RD. RT.	0.75	20.9			4.4				4.4				
9+78.63	10+50.00	RELOC. RODERICK RD. RT.	1.00	88.9			23.6				23.6				
10+75.00	11+75.00	RELOC. RODERICK RD. RT.	0.75	152.7	21.0			57.7				57.7			
11+75.00	12+50.00	RELOC. RODERICK RD. RT.	0.75	89.5			23.6				23.6				
13+50.00	13+79.82	RELOC. RODERICK RD. RT.	0.50	28.1		5.2				5.2					
13+85.13	14+34.15	RELOC. RODERICK RD. RT.	1.00	123.5	19.9			54.6				54.6			
3005+35.88	3007+07.00	UNION PACIFIC R.R. RT.	3.00	329.3	47.9			132.0				132.0			
5+53.64		BUCKMAN DRIVEWAY LT.		8.3		1.1				1.1				FLUME DRAIN	
5+78.10		BUCKMAN DRIVEWAY RT.		4.9		0.6				0.6				FLUME DRAIN	
10+15.35		BUCKMAN DRIVEWAY RT.		11.0		1.5				1.5				FLUME DRAIN	
0+00.00	1+51.43	SPILL FILL DITCH	1.00	192.5	22.9			62.8				62.8			
0+00.00	1+25.00	SOUTHWEST DITCH	0.75	195.5		38.6				38.6					
1+25.00	2+69.05	SOUTHWEST DITCH	0.75 - 2.00	293.5			84.8				84.8				
2+69.05	2+80.47	SOUTHWEST DITCH	2.00	19.1	2.9			7.6					7.6		
TOTALS				5498.1	381.7	116.4	694.2	1043.2	7.6	116.4	694.2	1043.2	7.6		
PAY TOTALS				5498	382	116	694	1043	8	116	694	1043	8		

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 5 OF 12

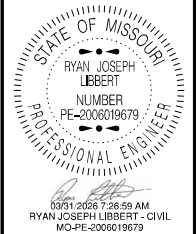
ROCK BLANKET QUANTITIES						
STATION	STATION	LOC.	PERMANENT EROSION CONTROL GEOTEXTILE SQ. YD.	FURNISHING TYPE 2 ROCK BLANKET CU. YD.	PLACING TYPE 2 ROCK BLANKET CU. YD.	REMARKS
200+78.30	201+84.53	NEW RTE. 47	1877.7	1075.0	1075.0	AROUND NORTH BRIDGE END
204+07.37	204+62.00	NEW RTE. 47	595.5	301.2	301.2	AROUND SOUTH BRIDGE END
9+49.50		RELOC. RODERICK RD. LT.	308.8	153.7	153.7	UPSTREAM OF BOX CULVERT
9+49.50		RELOC. RODERICK RD. RT.	220.4	103.0	103.0	DOWNSTREAM OF BOX CULVERT
202+35.00		EXIST. RTE. 47 LT.	218.7	105.6	105.6	DOWNSTREAM OF BOX CULVERT
202+35.00		EXIST. RTE. 47 RT.	88.4	34.5	34.5	UPSTREAM ALONG WING WALLS
1+99.40	2+86.40	RAILROAD DRIVEWAY LT.	146.7	57.2	57.2	ALONG CADET CREEK STREAM BANK
TOTALS			3456.2	1830.2	1830.2	
PAY TOTALS			3456	1830	1830	

MOBILIZATION
LUMP SUM 1

RAILROAD PLAN SUBMITTAL
LUMP SUM 1

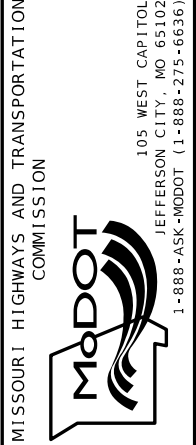
ADDITIONAL MOBILIZATION FOR SEEDING
3 EACH

PAVEMENT MARKING QUANTITIES								
STATION	STATION	LOC.	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS)					REMARKS
			4 IN. SOLID WHITE L.F.	4 IN. INTER. YELLOW L.F.	4 IN. SOLID YELLOW L.F.	4 IN. DOUBLE SOLID YELLOW L.F.	24 IN. SOLID WHITE L.F.	
210+28.58	215+28.58	EXIST. RTE. 47 C				1000.0		STAGE 2
215+28.58		EXIST. RTE. 47					11.0	STAGE 2 - STOP BAR
216+15.79	226+40.33	EXIST. RTE. 47	1024.6					STAGE 2 - ALONG TEMP. BARRIER
228+49.91		EXIST. RTE. 47					11.0	STAGE 2 - STOP BAR
228+49.91	233+49.91	EXIST. RTE. 47 C				1000.0		STAGE 2
214+79.03		NEW RTE. 47					12.0	STAGE 3 - STOP BAR
217+04.03	225+82.92	NEW RTE. 47	537.0					STAGE 3 - ALONG TEMP. BARRIER
193+58.00	219+60.37	NEW RTE. 47 LT.	2602.4					
223+04.69	225+50.00	NEW RTE. 47 LT.	245.3					STA. EQ. 219+60.37 BK. = STA.223+04.69 AHD.
193+58.00	195+70.00	NEW RTE. 47 C				424.0		
195+70.00	200+90.00	NEW RTE. 47 C		130.0	520.0			NO PASSING SOUTHBOUND
200+90.00	217+15.00	NEW RTE. 47 C				3250.0		
217+15.00	219+60.37	NEW RTE. 47 C		61.3	245.4			NO PASSING NORTHBOUND
223+04.69	226+00.00	NEW RTE. 47 C		73.8	295.3			STA. EQ. 219+60.37 BK. = STA.223+04.69 AHD. NO PASSING NORTHBOUND
226+00.00	232+02.29	NEW RTE. 47 C		150.6	602.3			NO PASSING SOUTHBOUND
193+58.00	219+60.37	NEW RTE. 47 RT.	2602.4					
223+04.69	226+45.00	NEW RTE. 47 RT.	340.3					STA. EQ. 219+60.37 BK. = STA.223+04.69 AHD.
TOTALS			7352.0	415.7	1663.0	5674.0	34.0	
PAY TOTALS			7352		7753		34	

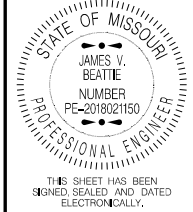


DATE PREPARED
3/31/2026
ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 3
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE



SUMMARY OF QUANTITIES
SHEET 6 OF 12



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 3

COUNTY
WASHINGTON

JOB NO.
JCD0135
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES SHEET 7 OF 12

STATION	STATION	LOC.	PAINT					TAPE R/R CROSSING MARKER EA.	REMARKS
			4 IN. SOLID WHITE L.F.	4 IN. INTER. YELLOW L.F.	4 IN. SOLID YELLOW L.F.	4 IN. DOUBLE SOLID YELLOW L.F.	24 IN. SOLID WHITE L.F.		
215+28.58	216+23.57	EXIST. RTE. 47 �				190.0			STAGE 2
216+23.57	228+49.91	EXIST. RTE. 47 �		306.6	1226.3				STAGE 2
192+95.46		EXIST. RTE. 47 RT.						1	STAGE 3
216+15.79	217+44.78	EXIST. RTE. 47	128.5						STAGE 3 - WHITE LINE ALONG STAGE 2 TEMP. BARRIER
224+68.00	226+40.33	EXIST. RTE. 47	173.1						STAGE 3 - WHITE LINE ALONG STAGE 2 TEMP. BARRIER
214+79.03		NEW RTE. 47					12.0		STAGE 4 - STOP BAR FROM STAGE 3
217+04.03	225+82.92	NEW RTE. 47	537.0						STAGE 4 - WHITE LINE ALONG STAGE 3 TEMP. BARRIER
228+49.91		EXIST. RTE. 47					11.0		STAGE 4 - STOP BAR FROM STAGE 2
228+49.91	232+02.29	EXIST. RTE. 47 �				704.8			STAGE 4
TOTALS			838.6	306.6	1226.3	894.8	23.0	1	
PAY TOTALS								1	

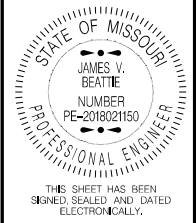
STATION	STATION	LOC.	BITUMINOUS SHOULDER RUMBLE STRIP STA.	BITUMINOUS CENTERLINE RUMBLE STRIP STA.	REMARKS
193+58.00	196+04.37	NEW RTE. 47 LT.	2.46		
198+30.90	200+93.45	NEW RTE. 47 LT.	2.63		
		NEW RTE. 47 LT. - BRIDGE			
204+51.95	219+60.37	NEW RTE. 47 LT.	15.08		
223+04.69	225+50.00	NEW RTE. 47 LT.	2.45		STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
193+58.00	200+93.45	NEW RTE. 47 �		7.35	
		NEW RTE. 47 � - BRIDGE			
204+51.95	219+60.37	NEW RTE. 47 �		15.08	
223+04.69	224+68.00	NEW RTE. 47 �		1.63	STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
193+58.00	200+93.45	NEW RTE. 47 RT.	7.35		
		NEW RTE. 47 RT. - BRIDGE			
204+51.95	215+90.20	NEW RTE. 47 RT.	11.38		
217+66.06	219+60.37	NEW RTE. 47 RT.	1.94		
223+04.69	226+45.00	NEW RTE. 47 RT.	3.40		STA. EQ. 219+60.37 BK. = STA. 223+04.69 AHD.
TOTALS			46.69	24.06	
PAY TOTALS			46.7	24.1	

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM 1

STATION	LOC.	SKREW	SIZE	LENGTH	DESIGN FILL HEIGHT	STRUC. NO.	CLASS 4 EXC. CU. YD.	CLASS B-1 CONCRETE CULVERTS CU. YD.	REINFORCING STEEL CULVERTS LBS.	REMARKS
202+35.00	EXIST. RTE. 47	25° RA	12' X 7'	58'	2'	P03	423.6	109.32	18761	
TOTALS							423.6	109.32	18761	
PAY TOTALS							424	109.3	18760	

CROSS ROAD STRUCTURES										
STATION	LOC.	SKEW	STRUC. NO.	CLASS 3 EXC. CU. YD.	42 IN. GROUP A L.F.	36 IN. GROUP C L.F.	42 IN. GROUP A F.E.S. EA.	36 IN. GROUP C F.E.S. EA.	ROCK LINING CU. YD.	REMARKS
209+75.00	NEW RTE. 47	20° 01' RA	P01	4.2	149.0		2		48.6	
13+59.16	RELOC. RODERICK RD.	25° 33' RA	P02	45.9		174.0		2	23.1	
3007+24.00	UNION PACIFIC R.R.	RT. ∟							12.8	EXIST. UNION PACIFIC R.R. 30" CMP
TOTALS				50.1	149.0	174.0	2	2	84.5	
PAY TOTALS				50	149	174	2	2	85	

SEEDING AND MULCH QUANTITIES							
STATION	STATION	LOC.	MULCHING ACRE	SEEDING COOL SEASON GRASSES ACRE	SEEDING WARM SEASON GRASSES ACRE	TEMPORARY SEEDING ACRE	REMARKS
193+58.00	202+38.45	NEW RTE. 47 LT.	0.83	0.65	0.09	0.09	
203+39.40	225+74.35	NEW RTE. 47 LT.	2.45	1.69	0.38	0.38	
193+58.00	202+38.45	NEW RTE. 47 RT.	1.67	0.61	0.53	0.53	
203+39.40	226+53.48	NEW RTE. 47 RT.	2.40	1.36	0.52	0.52	
202+15.00	202+75.68	EXIST. RTE. 47 RT.	0.08		0.04	0.04	
203+33.26	215+17.94	EXIST. RTE. 47	1.54		0.77	0.77	
216+20.00	226+53.48	EXIST. RTE. 47 RT.	0.14			0.14	TEMP. SEEDING FOR TEMP. SHLDR. WIDENING
6+54.45	14+86.00	RELOC. RODERICK RD. LT.	0.77	0.59	0.09	0.09	
6+54.45	14+86.00	RELOC. RODERICK RD. RT.	0.97	0.73	0.12	0.12	
5+14.00	11+64.64	BUCKMAN DRIVEWAY LT.	0.22		0.11	0.11	
5+14.00	11+64.64	BUCKMAN DRIVEWAY RT.	0.22		0.11	0.11	
TOTALS			11.29	5.63	2.76	2.90	
PAY TOTALS			11.3	5.6	2.8	2.9	



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 3

COUNTY
WASHINGTON

JOB NO.
JCD0135


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

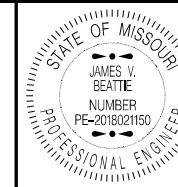
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

TEMPORARY EROSION CONTROL QUANTITIES

STATION	STATION	LOC.	SPACING FT.	SEDIMENT TRAP ROCK CU. YD.	ROCK DITCH CHECK L.F.	ALTERNATE DITCH CHECK L.F.	SILT FENCE L.F.	TYPE B BERM L.F.	TYPE C BERM L.F.	SLOPE DRAINS L.F.	SEDIMENT REMOVAL CU. YD.	REMARKS
208+02.00	208+26.00	EXIST. RTE. 47 RT.	6			24.6					5.0	5 DITCH CHECKS
208+32.00	208+53.00	EXIST. RTE. 47 RT.	7			28.4					4.0	4 DITCH CHECKS
208+60.00	208+67.00	EXIST. RTE. 47 RT.	7			12.5					2.0	2 DITCH CHECKS
208+73.00	208+85.00	EXIST. RTE. 47 RT.	6			24.2					3.0	3 DITCH CHECKS
208+91.00	208+98.00	EXIST. RTE. 47 RT.	7			16.7					2.0	2 DITCH CHECKS
209+05.00	209+21.00	EXIST. RTE. 47 RT.	8			25.9					3.0	3 DITCH CHECKS
209+30.00	210+18.00	EXIST. RTE. 47 RT.	11			76.9					9.0	9 DITCH CHECKS
210+28.00	210+56.00	EXIST. RTE. 47 RT.	7			38.8					5.0	5 DITCH CHECKS
210+64.00	210+74.00	EXIST. RTE. 47 RT.	10			16.3					2.0	2 DITCH CHECKS
210+84.00	210+98.00	EXIST. RTE. 47 RT.	14			18.5					2.0	2 DITCH CHECKS
211+13.00	211+35.00	EXIST. RTE. 47 RT.	22			22.4					2.0	2 DITCH CHECKS
211+53.00	211+69.00	EXIST. RTE. 47 RT.	16			26.6					2.0	2 DITCH CHECKS
211+92.00	212+20.00	EXIST. RTE. 47 RT.	14			48.1					3.0	3 DITCH CHECKS
212+37.00	212+60.00	EXIST. RTE. 47 RT.	23			38.2					2.0	2 DITCH CHECKS
212+75.00	212+85.00	EXIST. RTE. 47 RT.	10			44.6					2.0	2 DITCH CHECKS
213+00.00		EXIST. RTE. 47 RT.				25.2					1.0	1 DITCH CHECK
3008+10.33	3012+54.37	UNION PACIFIC R.R. LT.					447.6				4.5	ALONG EXIST. R.R.
3005+36.00		UNION PACIFIC R.R. RT.		0.39							1.0	
3005+80.00		UNION PACIFIC R.R. RT.			10.0						1.0	1 DITCH CHECK
3006+24.00	3006+89.00	UNION PACIFIC R.R. RT.	65		20.4						2.0	2 DITCH CHECKS
3007+68.00	3007+96.00	UNION PACIFIC R.R. RT.	28		23.6						2.0	2 DITCH CHECKS
3008+30.11	3011+44.69	UNION PACIFIC R.R. RT.						320.0			3.2	
3008+78.55	3011+05.43	UNION PACIFIC R.R. RT.						226.5			2.3	
3009+18.00	3009+37.00	UNION PACIFIC R.R. RT.	19		14.5						2.0	2 DITCH CHECKS
3011+26.90	3011+68.89	UNION PACIFIC R.R. RT.						42.0			0.4	
0+00.00		SPILL FILL DITCH			3.5						1.0	1 DITCH CHECK
0+16.00	0+22.00	SPILL FILL DITCH	6		18.1						2.0	2 DITCH CHECKS
0+42.00	0+72.00	SPILL FILL DITCH	10		50.8						4.0	4 DITCH CHECKS
0+89.00	1+04.00	SPILL FILL DITCH	15		25.4						2.0	2 DITCH CHECKS
1+15.00	1+27.00	SPILL FILL DITCH	12		25.4						2.0	2 DITCH CHECKS
1+36.00		SPILL FILL DITCH			12.7						1.0	1 DITCH CHECK
1+49.00		SPILL FILL DITCH		1.92							1.0	
0+23.00	2+26.00	SOUTHWEST DITCH	29		162.8						8.0	8 DITCH CHECKS
5+56.00	5+87.00	BUCKMAN DRIVEWAY LT.	31		71.2						2.0	2 DITCH CHECKS
6+17.00	6+93.00	BUCKMAN DRIVEWAY LT.	76		22.5						2.0	2 DITCH CHECKS
7+83.00	11+64.64	BUCKMAN DRIVEWAY LT.					375.1				3.8	
5+51.06	6+88.70	BUCKMAN DRIVEWAY RT.	129		34.6						2.0	2 DITCH CHECKS
7+22.00	7+97.00	BUCKMAN DRIVEWAY RT.	15		57.1						6.0	6 DITCH CHECKS
8+26.00	8+55.00	BUCKMAN DRIVEWAY RT.	29		20.1						2.0	2 DITCH CHECKS
8+74.00	9+42.00	BUCKMAN DRIVEWAY RT.	17		47.7						5.0	5 DITCH CHECKS
9+56.00	9+69.00	BUCKMAN DRIVEWAY RT.	13		21.3						2.0	2 DITCH CHECKS
9+81.00	9+94.00	BUCKMAN DRIVEWAY RT.	13		23.8						2.0	2 DITCH CHECKS
10+08.00	10+36.00	BUCKMAN DRIVEWAY RT.	14		42.2						3.0	3 DITCH CHECKS
11+21.00	11+64.64	BUCKMAN DRIVEWAY RT.					43.6				0.4	
TOTALS				2.31	707.7	487.9	866.3	0.0	588.5	0.0	118.6	
TEMPORARY EROSION CONTROL SUBTOTALS 1				13.44	2691.7	0.0	586.7	215.7	0.0	73.2	160.1	
TEMPORARY EROSION CONTROL SUBTOTALS 2				12.04	835.3	1666.0	190.4	0.0	0.0	0.0	236.8	
PAY TOTALS				27.8	4235	2154	1643	216	589	73	516	



THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 3

COUNTY
WASHINGTON

JOB NO.
JCD0135


CONTRACT ID.

PROJECT NO.

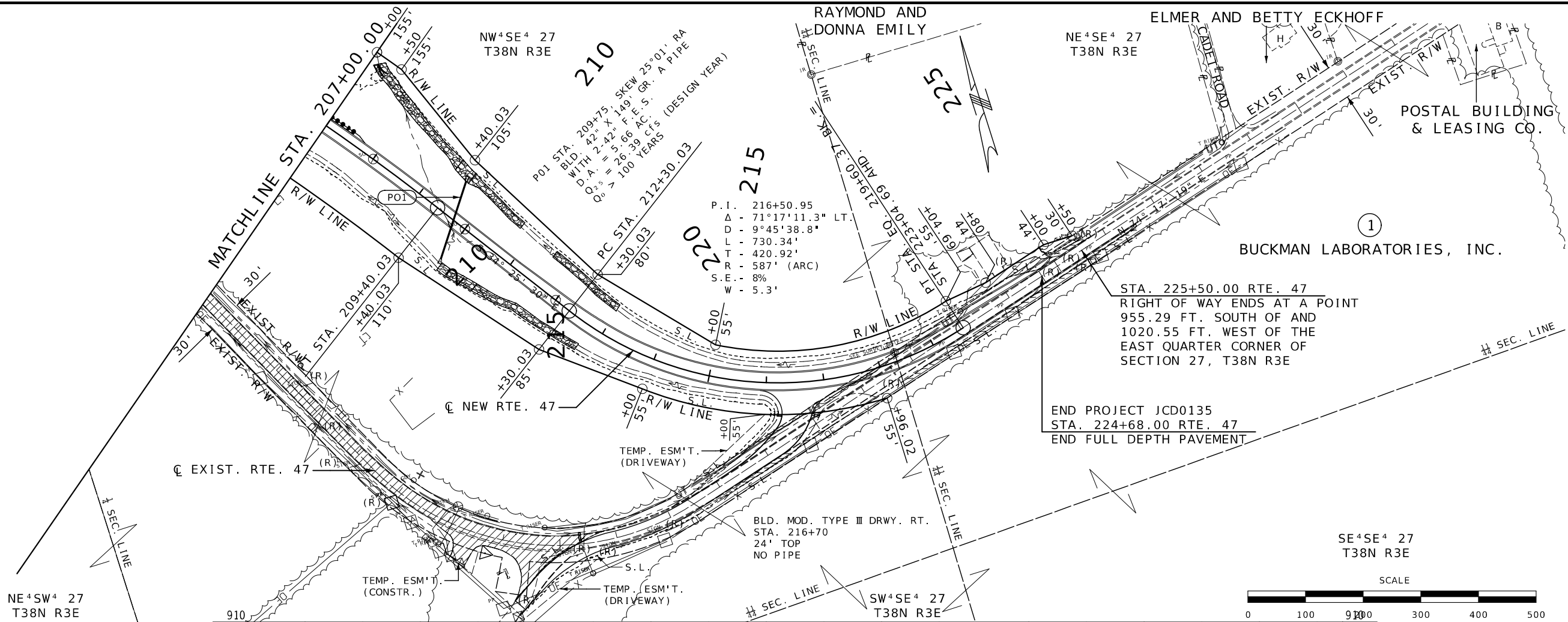
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

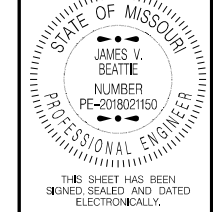
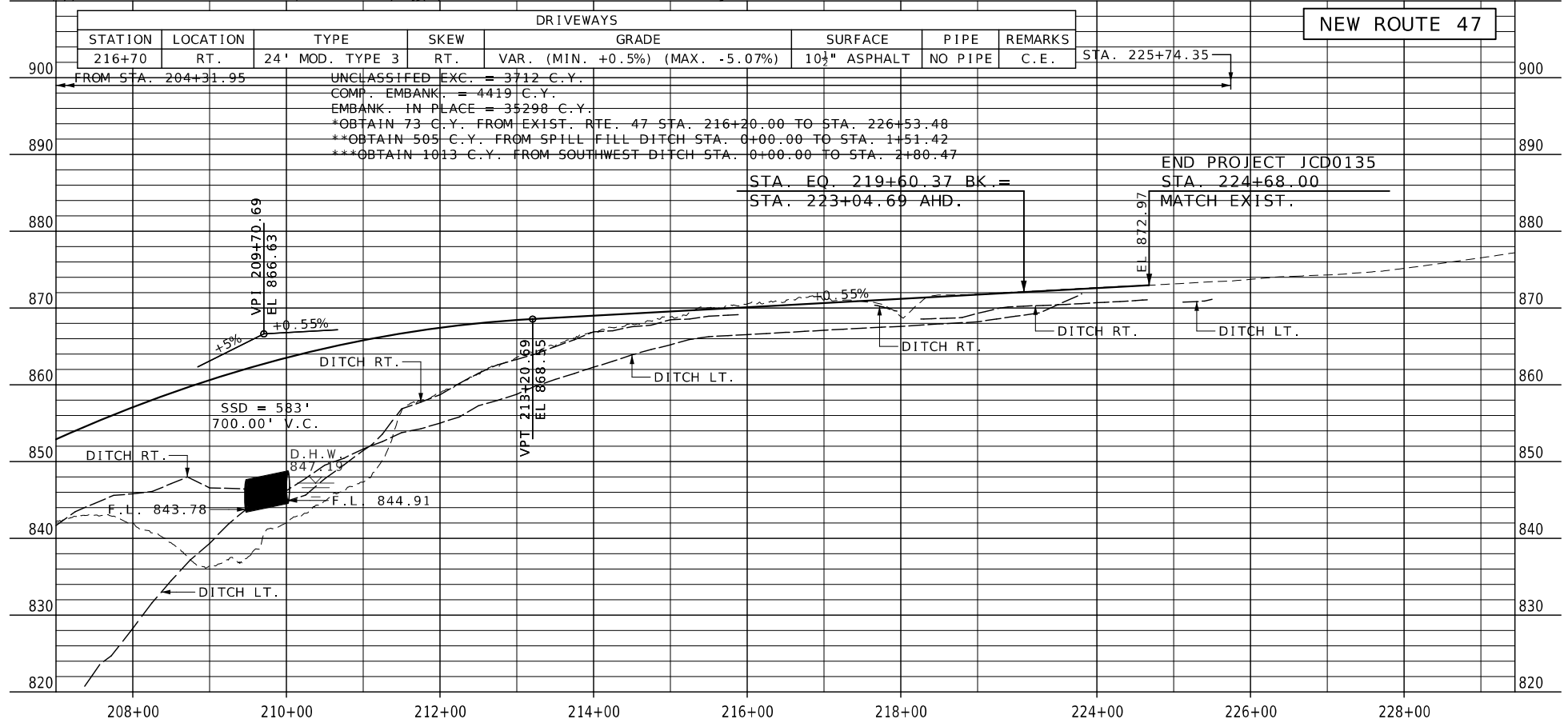
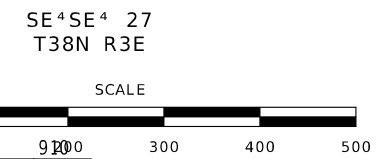


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NE⁴SW⁴ 27
T38N R3E

END PROJECT JCD0135
 STA. 224+68.00 RTE. 47
 END FULL DEPTH PAVEMENT



DATE PREPARED
2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	5

COUNTY
WASHINGTON

JOB NO.
JCD0135

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)

SW⁴NE⁴ 27
T38N R3E

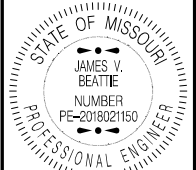
BUCKMAN LABORATORIES, INC.

PERM. ESM'T.
(DRAINAGE)

BLD. MOD. TYPE I DRWY. LT.
STA. 8+79
20' TOP
NO PIPE

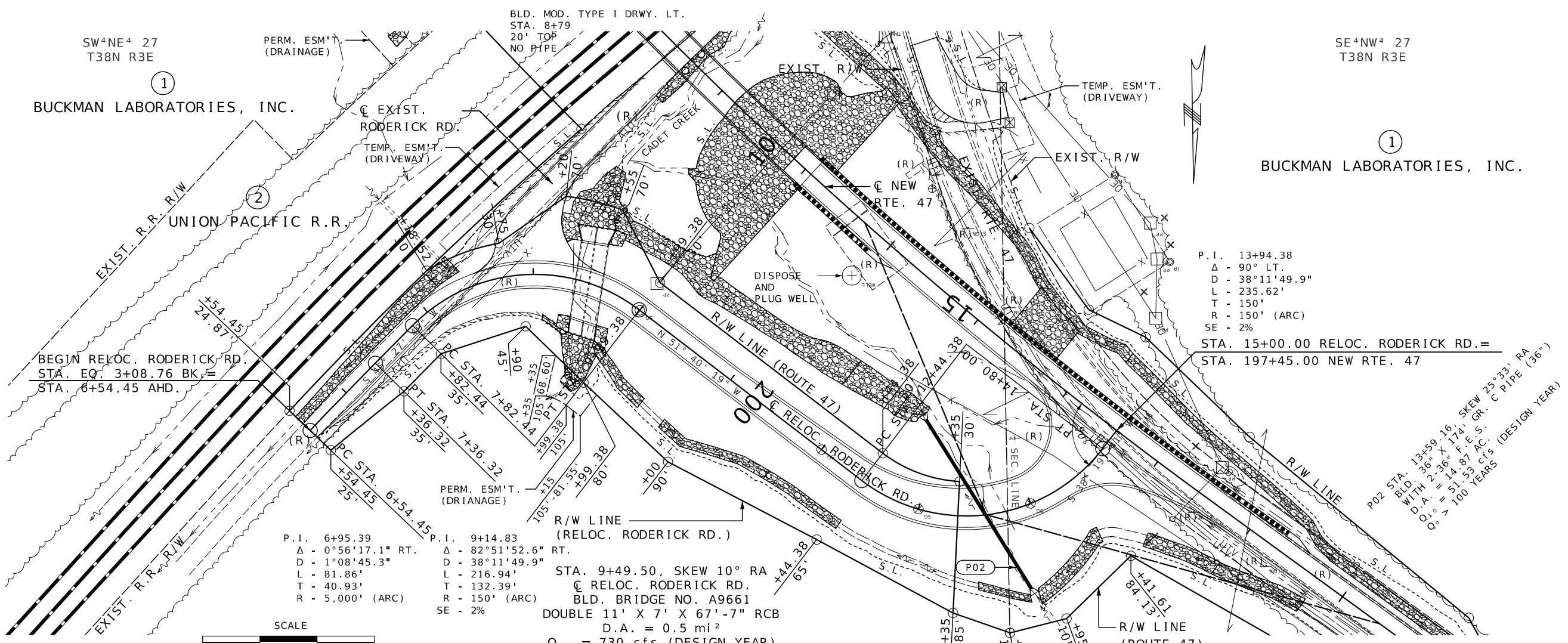
SE⁴NW⁴ 27
T38N R3E

BUCKMAN LABORATORIES, INC.



DATE PREPARED
2/25/2026

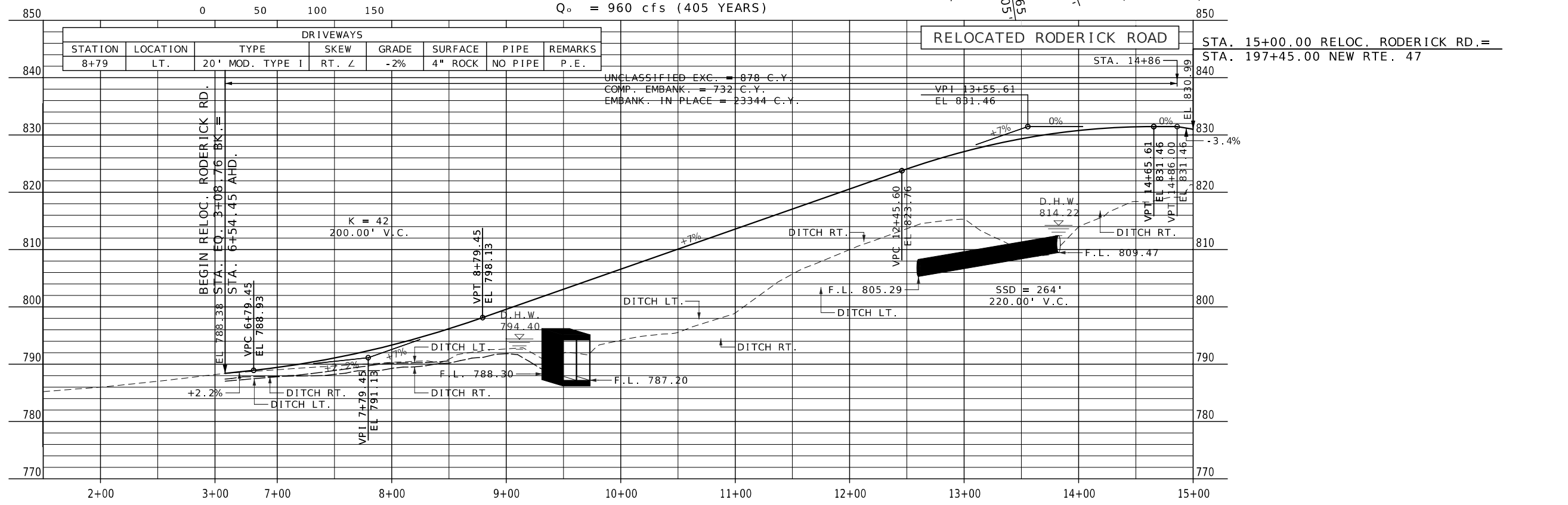
ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	6
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



P. I. 13+94.38
Δ - 90° LT.
D - 38°11'49.9"
L - 235.62'
T - 150'
R - 150' (ARC)
SE - 2%

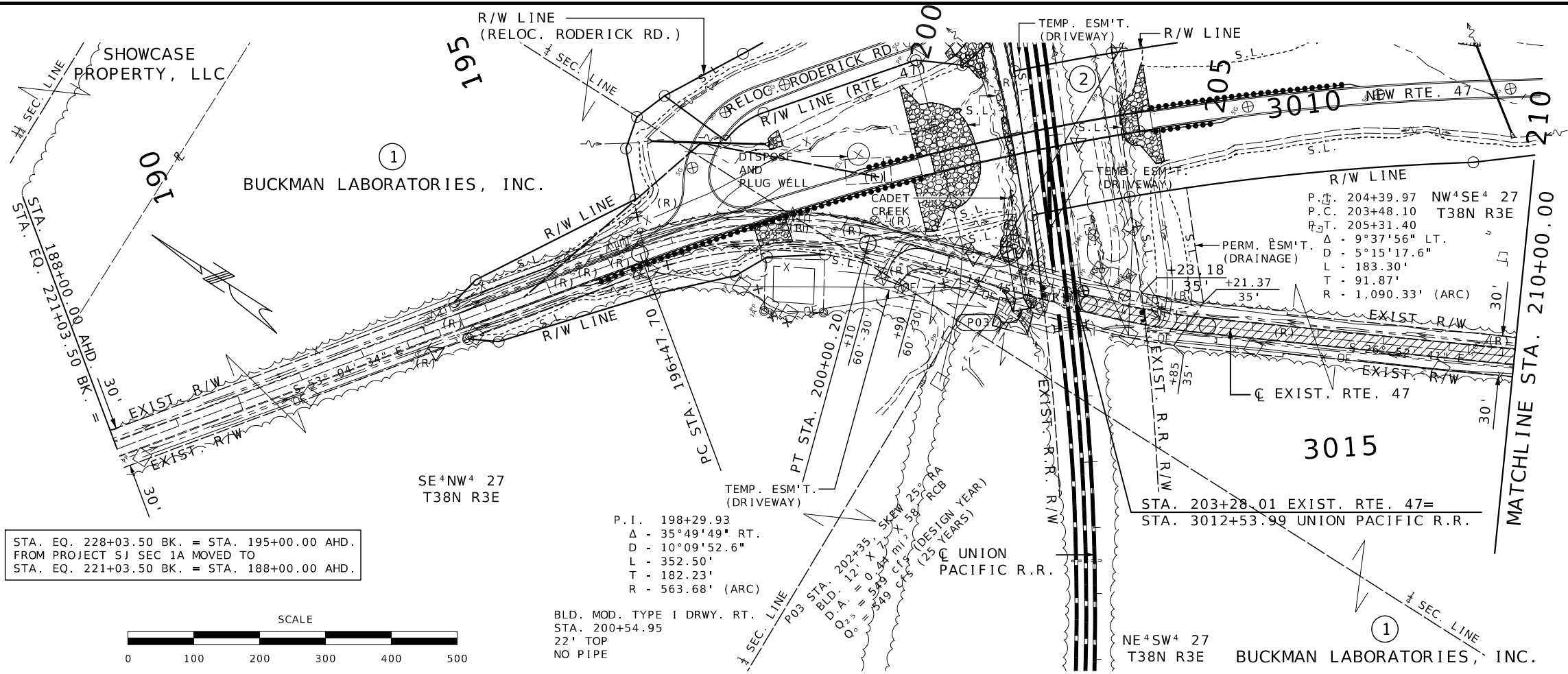
STA. 15+00.00 RELOC. RODERICK RD. =
STA. 197+45.00 NEW RTE. 47

P02 STA. 13+59.16
BLD. WITH 36" X 17" GR. C PIPE (36")
W.D.A. = 14.87 AC.
Q₁₀ = 51.53 cfs
Q₀ > 100 YEARS (DESIGN YEAR)



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



STA. EQ. 228+03.50 BK. = STA. 195+00.00 AHD.
 FROM PROJECT SJ SEC 1A MOVED TO
 STA. EQ. 221+03.50 BK. = STA. 188+00.00 AHD.

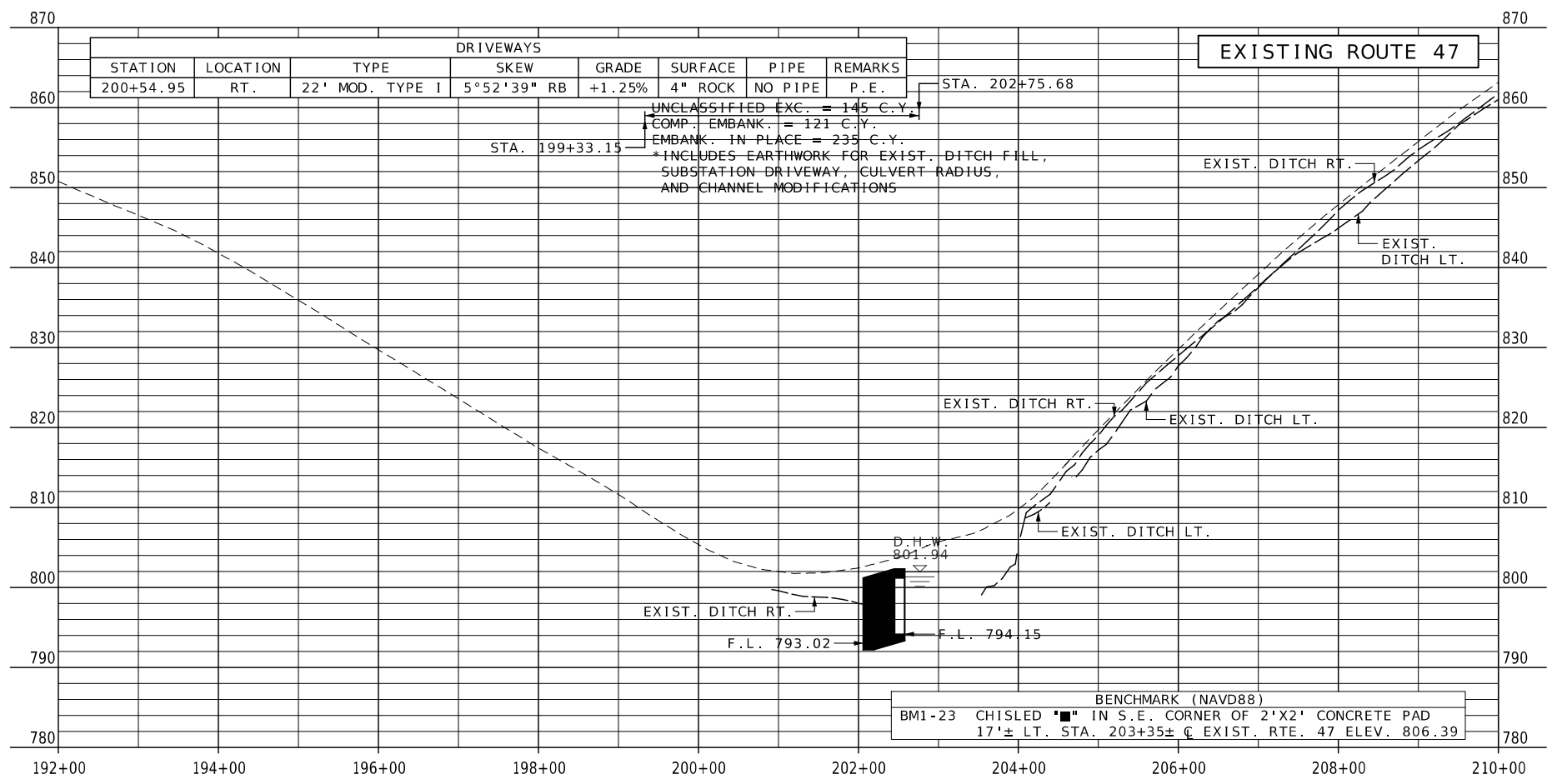


P.I. 198+29.93
 Δ - 35°49'49" RT.
 D - 10°09'52.6"
 L - 352.50'
 T - 182.23'
 R - 563.68' (ARC)

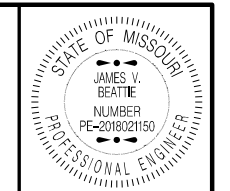
BLD. MOD. TYPE I DRWY. RT.
 STA. 200+54.95
 22' TOP
 NO PIPE

P.O.3 STA. 202+35
 BLD. D.A. = 0' X 58'
 Q₂ = 549 CFS (DESIGN YEAR)

R/W LINE
 P.I. 204+39.97 NW⁴SE⁴ 27
 P.C. 203+48.10 T38N R3E
 P.T. 205+31.40
 Δ - 9°37'56" LT.
 D - 5°15'17.6"
 L - 183.30'
 T - 91.87'
 R - 1,090.33' (ARC)



② UNION PACIFIC R.R.



THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 7

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

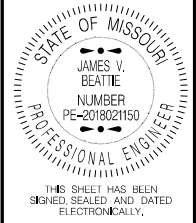
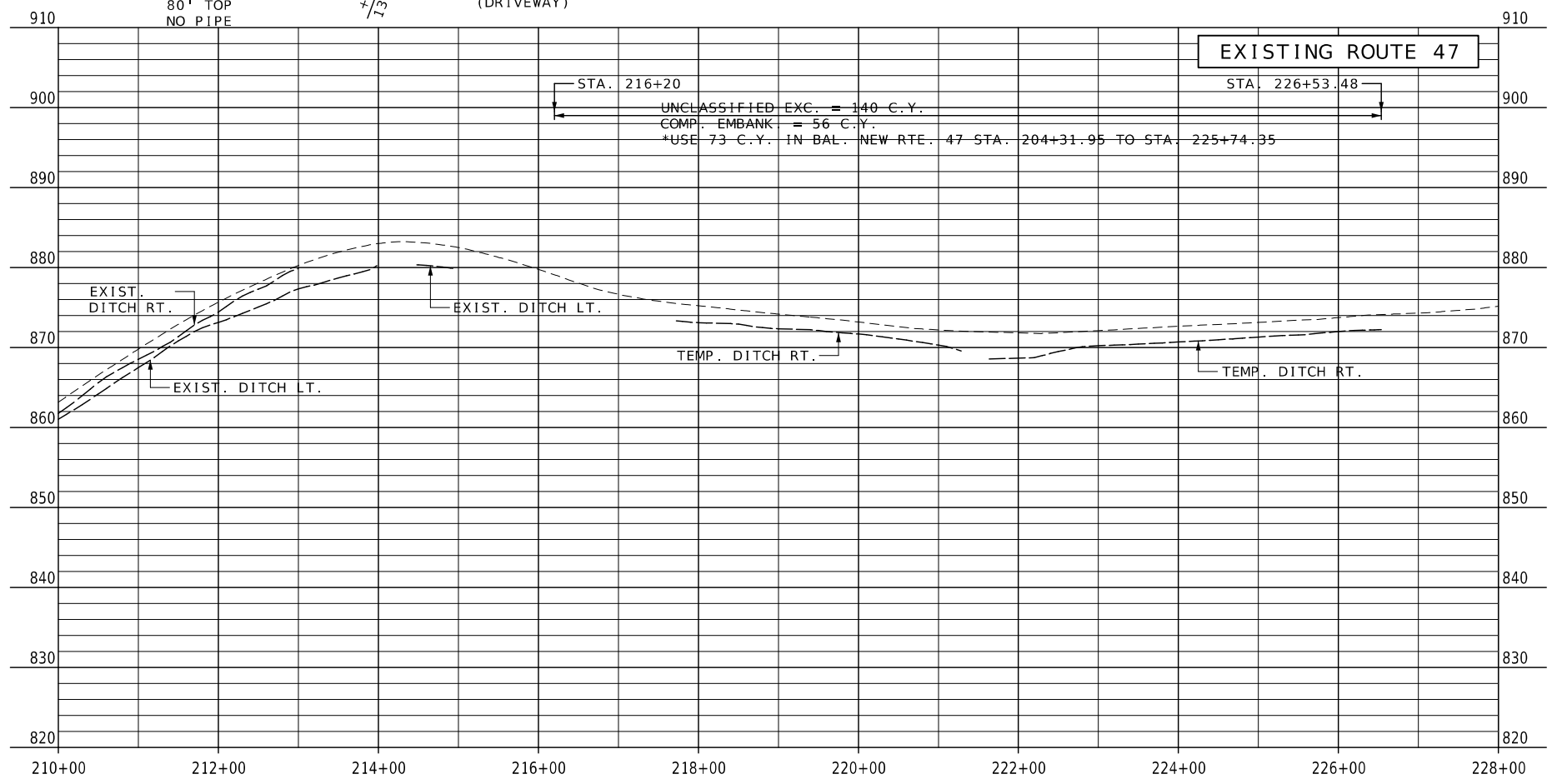
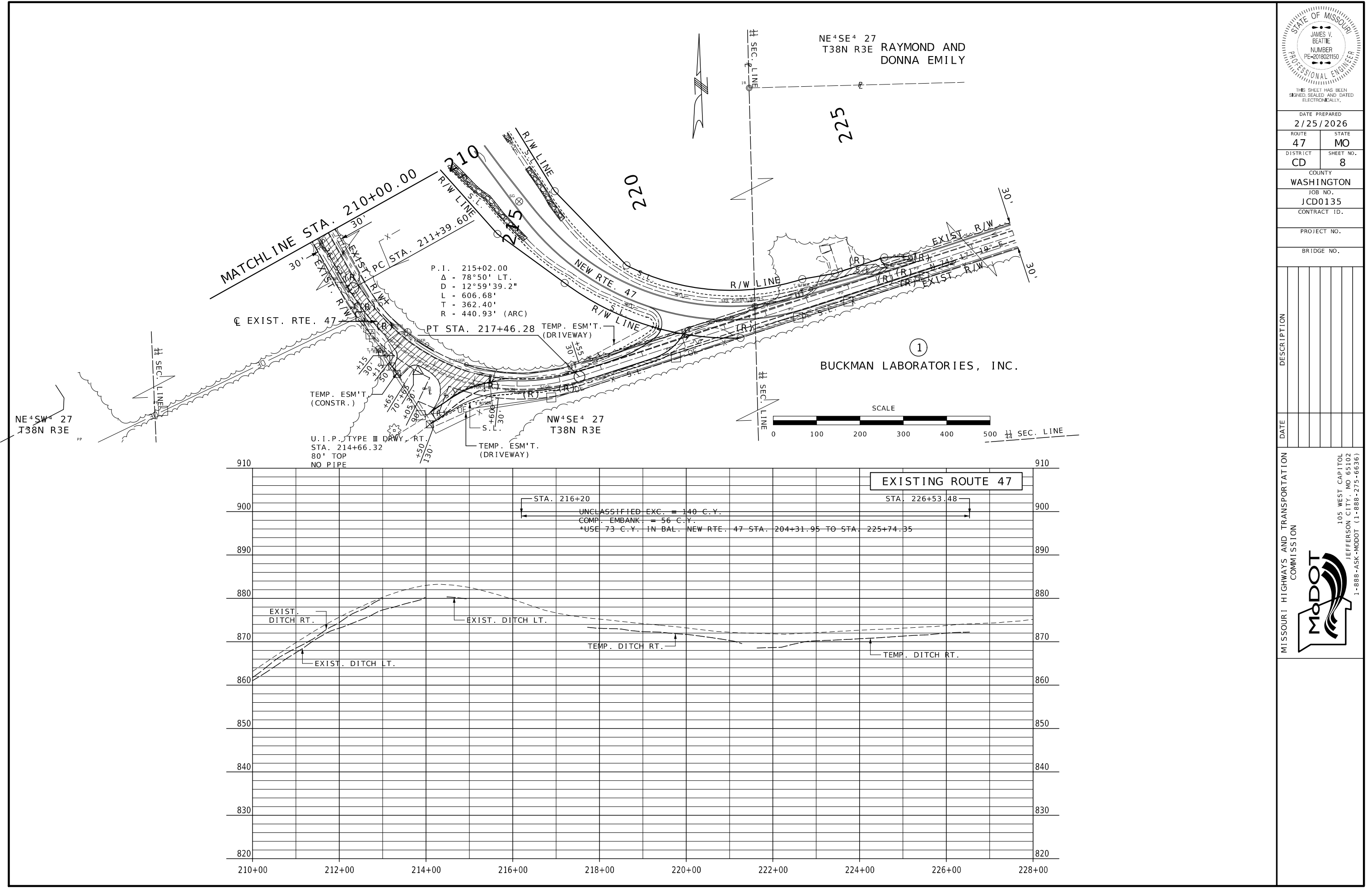
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 8

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

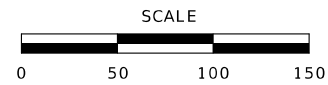
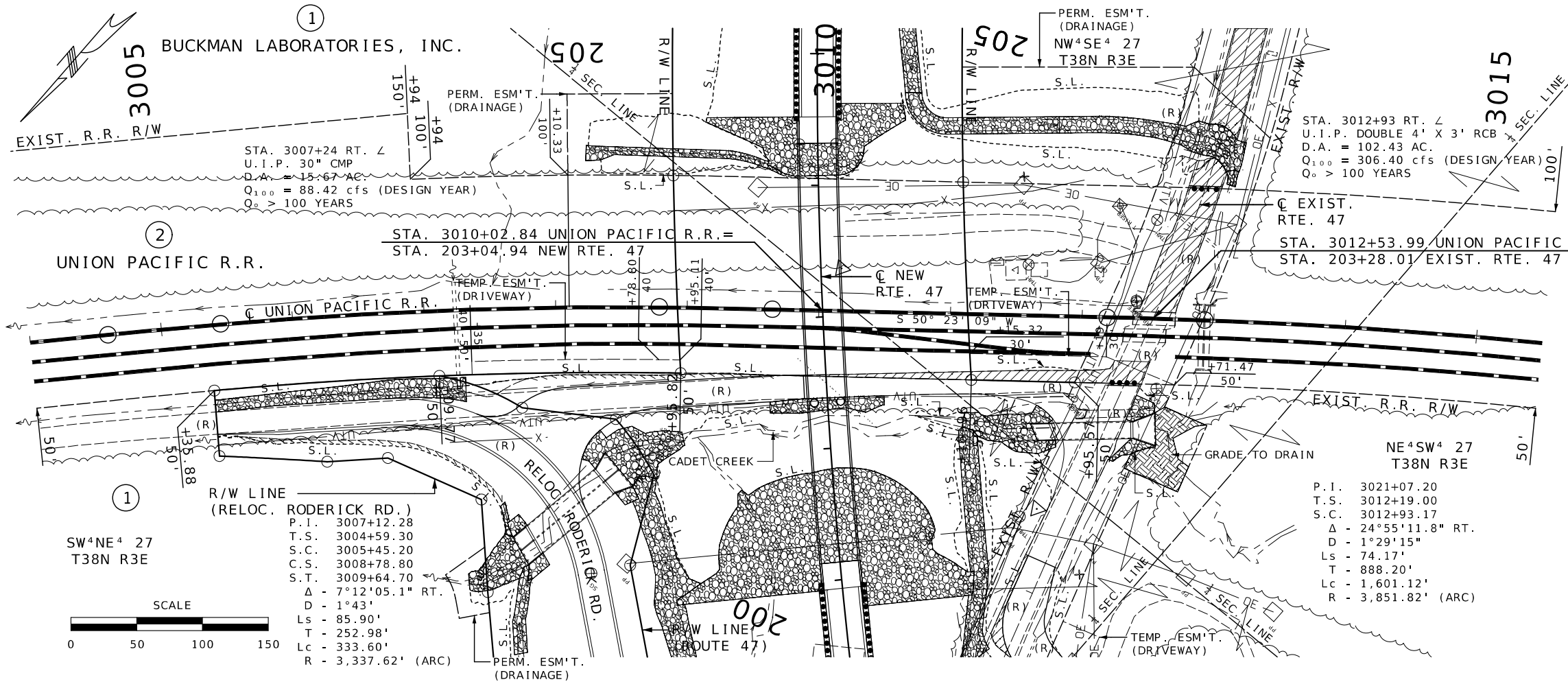
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



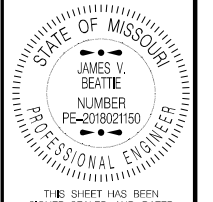
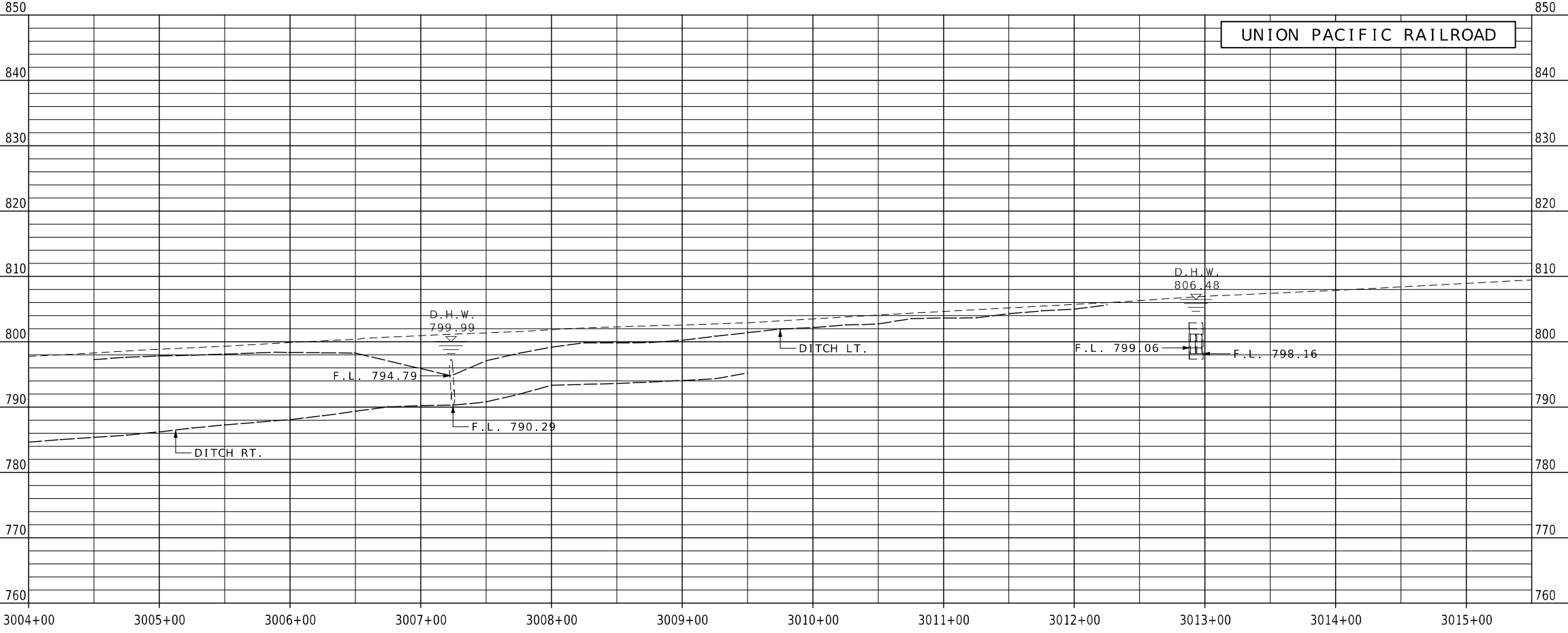
SW⁴NE⁴ 27
T38N R3E

R/W LINE
(RELOC. RODERICK RD.)
P.I. 3007+12.28
T.S. 3004+59.30
S.C. 3005+45.20
C.S. 3008+78.80
S.T. 3009+64.70
Δ - 7°12'05.1" RT.
D - 1°43'
Ls - 85.90'
T - 252.98'
Lc - 333.60'
R - 3,337.62' (ARC)

NE⁴SW⁴ 27
T38N R3E

P.I. 3021+07.20
T.S. 3012+19.00
S.C. 3012+93.17
Δ - 24°55'11.8" RT.
D - 1°29'15"
Ls - 74.17'
T - 888.20'
Lc - 1,601.12'
R - 3,851.82' (ARC)

STA. 3012+93 RT. ∟
U.I.P. DOUBLE 4' X 3' RCB
D.A. = 102.43 AC.
Q₁₀₀ = 306.40 cfs (DESIGN YEAR)
Q₀ > 100 YEARS



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

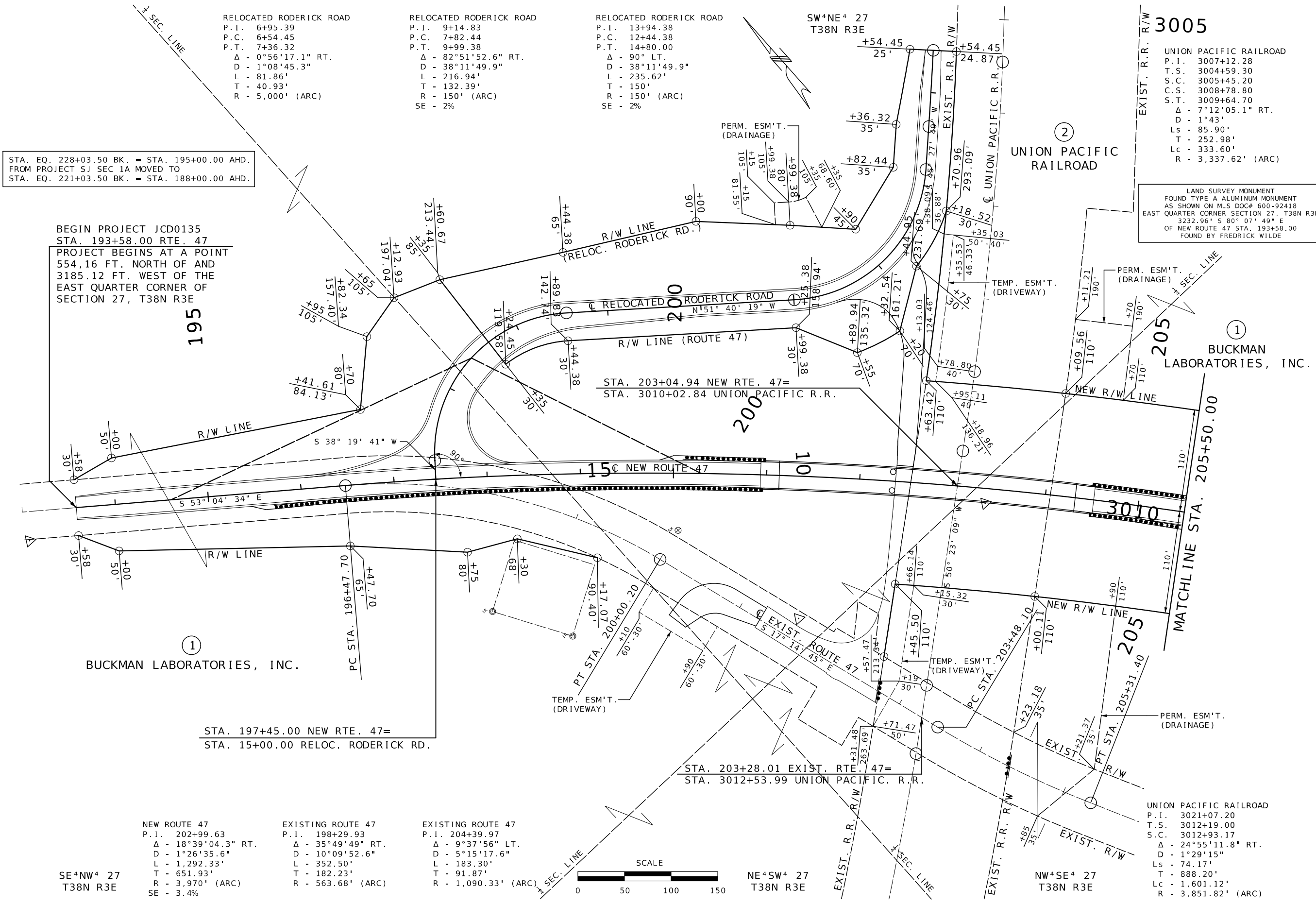
DATE PREPARED: 2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	9
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



STA. EQ. 228+03.50 BK. = STA. 195+00.00 AHD.
 FROM PROJECT SJ SEC 1A MOVED TO
 STA. EQ. 221+03.50 BK. = STA. 188+00.00 AHD.

BEGIN PROJECT JCD0135
 STA. 193+58.00 RTE. 47
 PROJECT BEGINS AT A POINT
 554.16 FT. NORTH OF AND
 3185.12 FT. WEST OF THE
 EAST QUARTER CORNER OF
 SECTION 27, T38N R3E

STA. 197+45.00 NEW RTE. 47=
 STA. 15+00.00 RELOC. RODERICK RD.

STA. 203+28.01 EXIST. RTE. 47=
 STA. 3012+53.99 UNION PACIFIC R.R.

LAND SURVEY MONUMENT
 FOUND TYPE A ALUMINUM MONUMENT
 AS SHOWN ON MLS DOC# 600-92418
 EAST QUARTER CORNER SECTION 27, T38N R3E
 3232.96' S 80° 07' 49" E
 OF NEW ROUTE 47 STA. 193+58.00
 FOUND BY FREDRICK WILDE

RELOCATED RODERICK ROAD
 P.I. 6+95.39
 P.C. 6+54.45
 P.T. 7+36.32
 Δ - 0°56'17.1" RT.
 D - 1°08'45.3"
 L - 81.86'
 T - 40.93'
 R - 5.000' (ARC)

RELOCATED RODERICK ROAD
 P.I. 9+14.83
 P.C. 7+82.44
 P.T. 9+99.38
 Δ - 82°51'52.6" RT.
 D - 38°11'49.9"
 L - 216.94'
 T - 132.39'
 R - 150' (ARC)
 SE - 2%

RELOCATED RODERICK ROAD
 P.I. 13+94.38
 P.C. 12+44.38
 P.T. 14+80.00
 Δ - 90° LT.
 D - 38°11'49.9"
 L - 235.62'
 T - 150'
 R - 150' (ARC)
 SE - 2%

UNION PACIFIC RAILROAD
 P.I. 3007+12.28
 T.S. 3004+59.30
 S.C. 3005+45.20
 C.S. 3008+78.80
 S.T. 3009+64.70
 Δ - 7°12'05.1" RT.
 D - 1°43'
 Ls - 85.90'
 T - 252.98'
 Lc - 333.60'
 R - 3,337.62' (ARC)

NEW ROUTE 47
 P.I. 202+99.63
 Δ - 18°39'04.3" RT.
 D - 1°26'35.6"
 L - 1,292.33'
 T - 651.93'
 R - 3,970' (ARC)
 SE - 3.4%

EXISTING ROUTE 47
 P.I. 198+29.93
 Δ - 35°49'49" RT.
 D - 10°09'52.6"
 L - 352.50'
 T - 182.23'
 R - 563.68' (ARC)

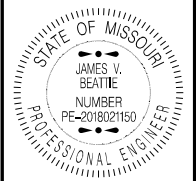
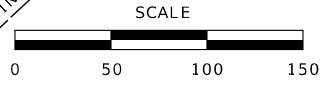
EXISTING ROUTE 47
 P.I. 204+39.97
 Δ - 9°37'56" LT.
 D - 5°15'17.6"
 L - 183.30'
 T - 91.87'
 R - 1,090.33' (ARC)

UNION PACIFIC RAILROAD
 P.I. 3021+07.20
 T.S. 3012+19.00
 S.C. 3012+93.17
 Δ - 24°55'11.8" RT.
 D - 1°29'15"
 Ls - 74.17'
 T - 888.20'
 Lc - 1,601.12'
 R - 3,851.82' (ARC)

SE4NW4 27
 T38N R3E

NE4SW4 27
 T38N R3E

NW4SE4 27
 T38N R3E



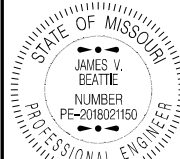
DATE PREPARED		2/25/2026	
ROUTE	STATE	DISTRICT	SHEET NO.
47	MO	CD	10
COUNTY			
WASHINGTON			
JOB NO.			
JCD0135			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RIGHT OF WAY
 SHEET 1 OF 3



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 11

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

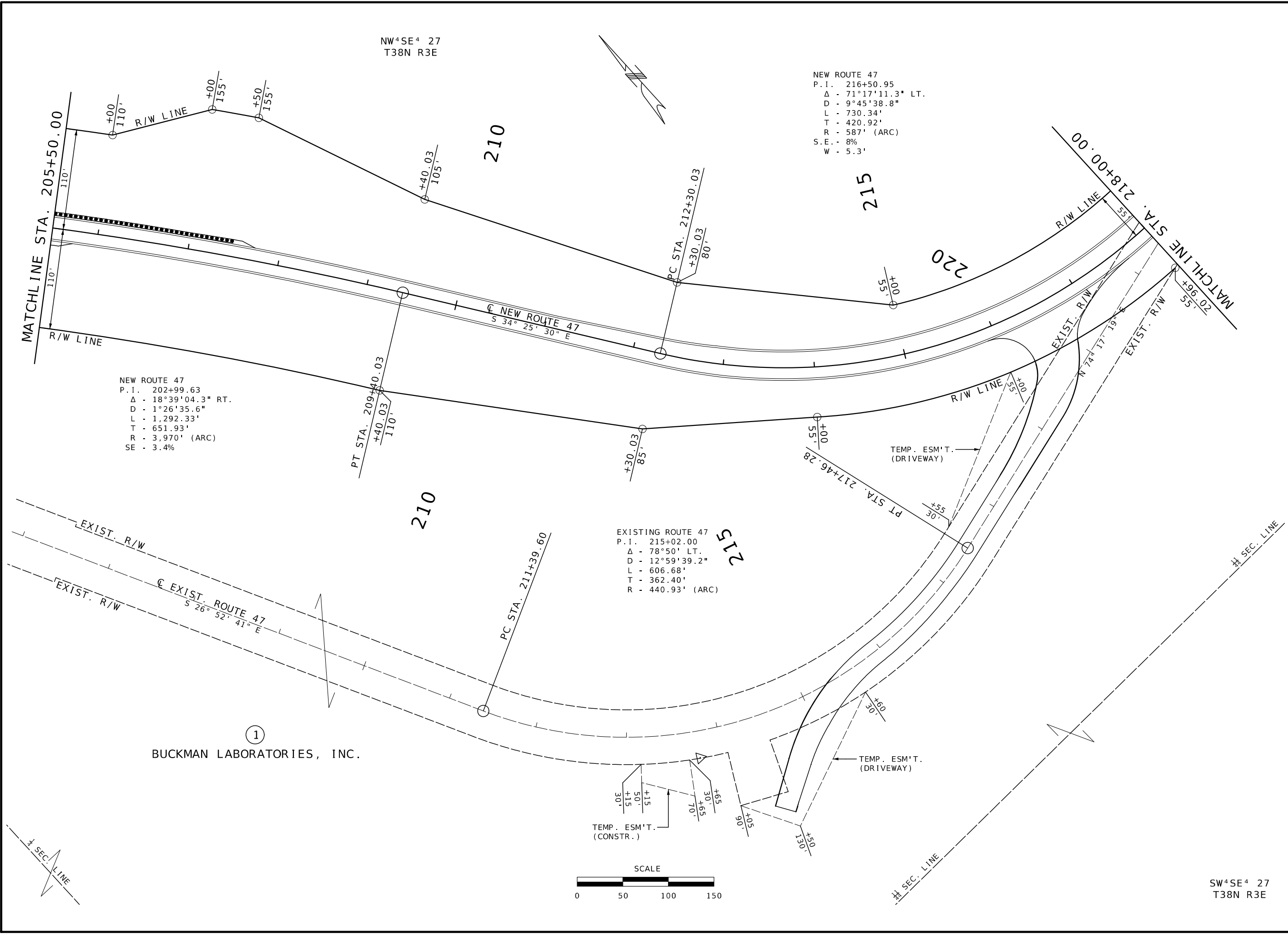
BRIDGE NO.

DATE	DESCRIPTION

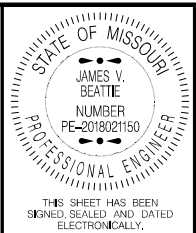
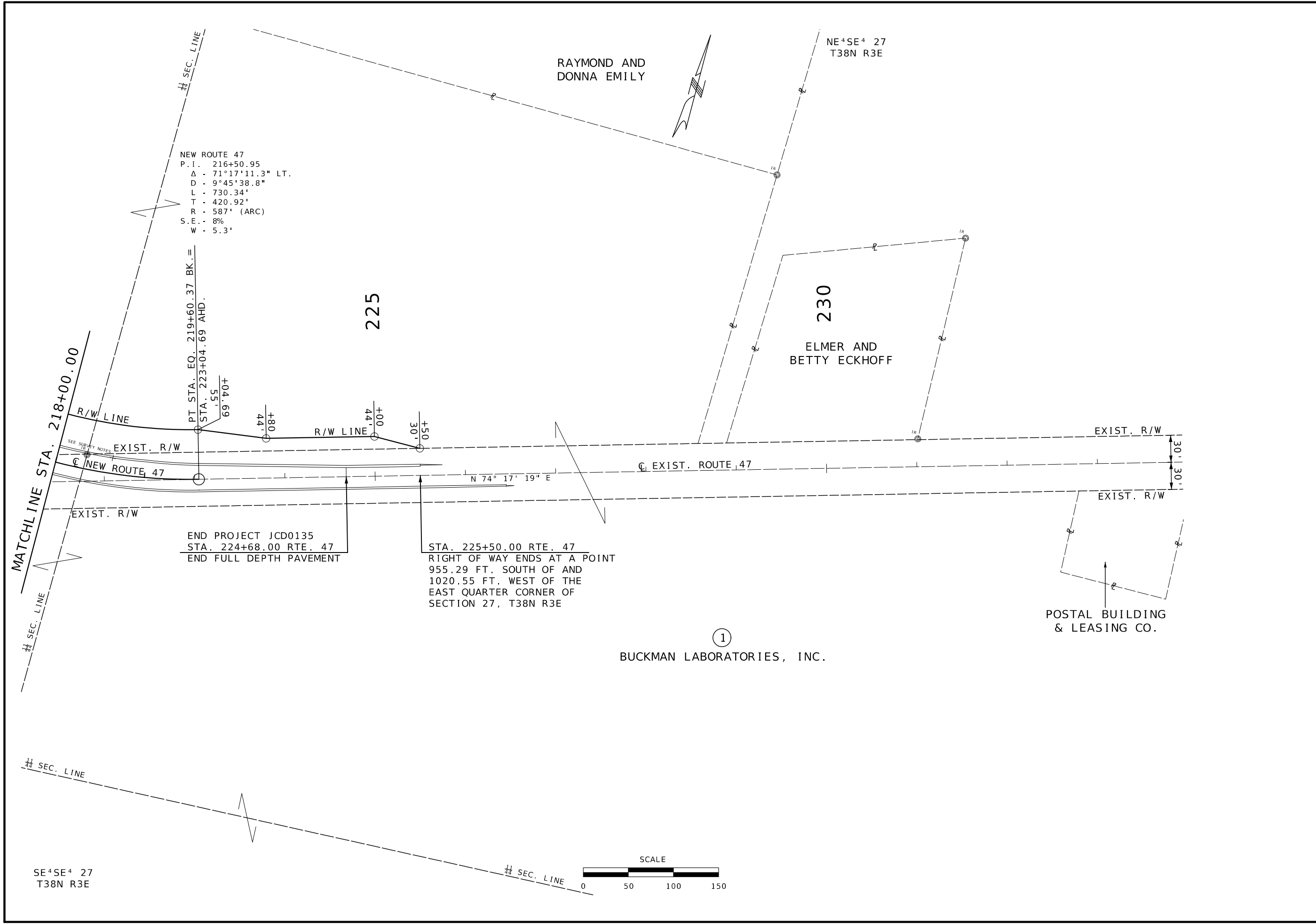
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



RIGHT OF WAY
SHEET 2 OF 3



SW⁴SE⁴ 27
T38N R3E



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 12

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

RIGHT OF WAY
 SHEET 3 OF 3



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 13

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

Table with 2 columns: DESCRIPTION, DATE

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



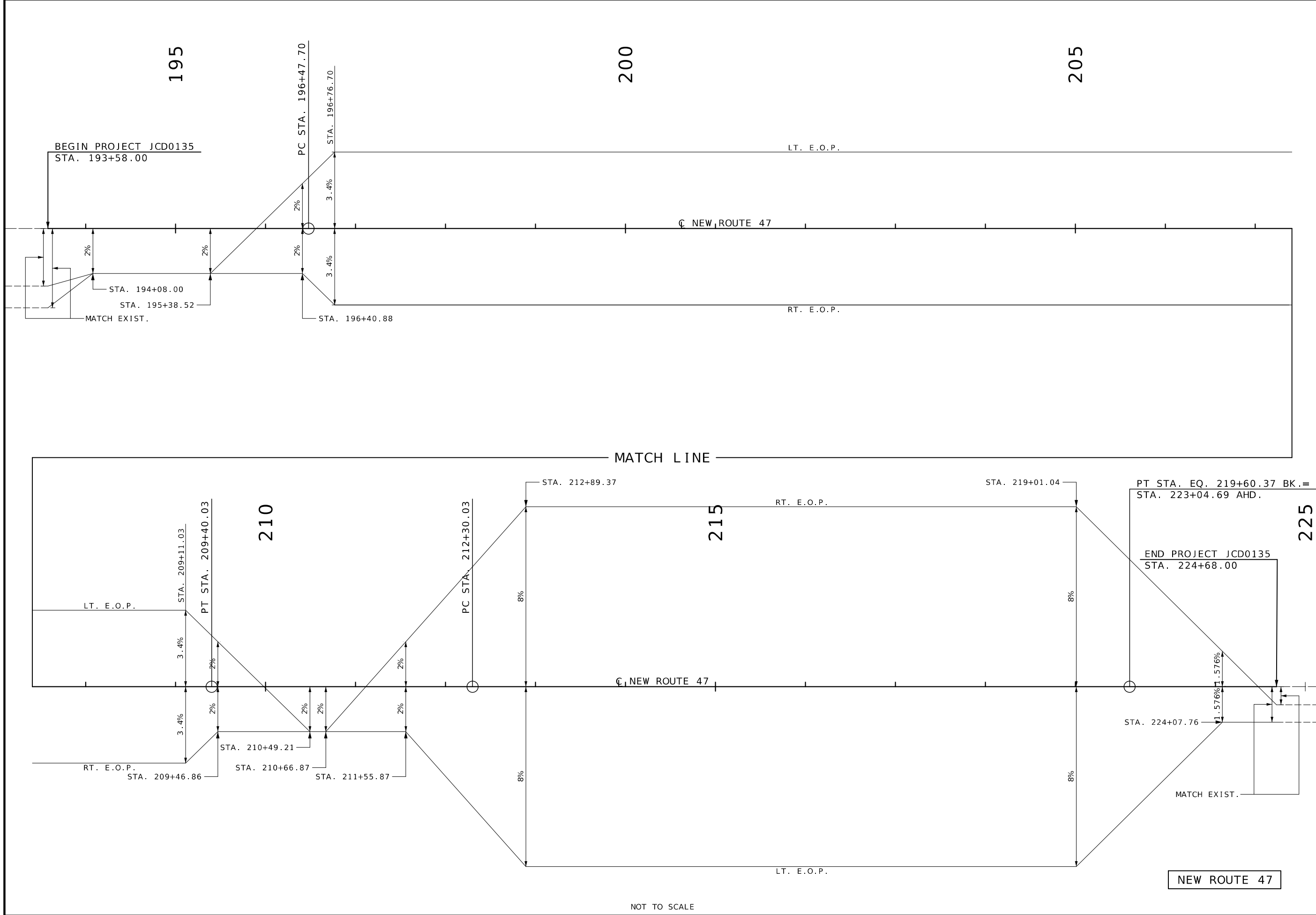
COORDINATE POINT SHEET SHEET 1 OF 1

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

PROJECT COORDINATE INFORMATION, REFERENCE CONTROL INFORMATION, LINEAR UNIT CONVERSION

COORDINATE POINT LISTING

Main table with columns: SHEET NO, STATION, LOCATION, OFFSET (USFT), NORTHING (US SURVEY FT), EASTING (US SURVEY FT), ELEVATION (US SURVEY FT), DESCRIPTION, GPK POINT ID



NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

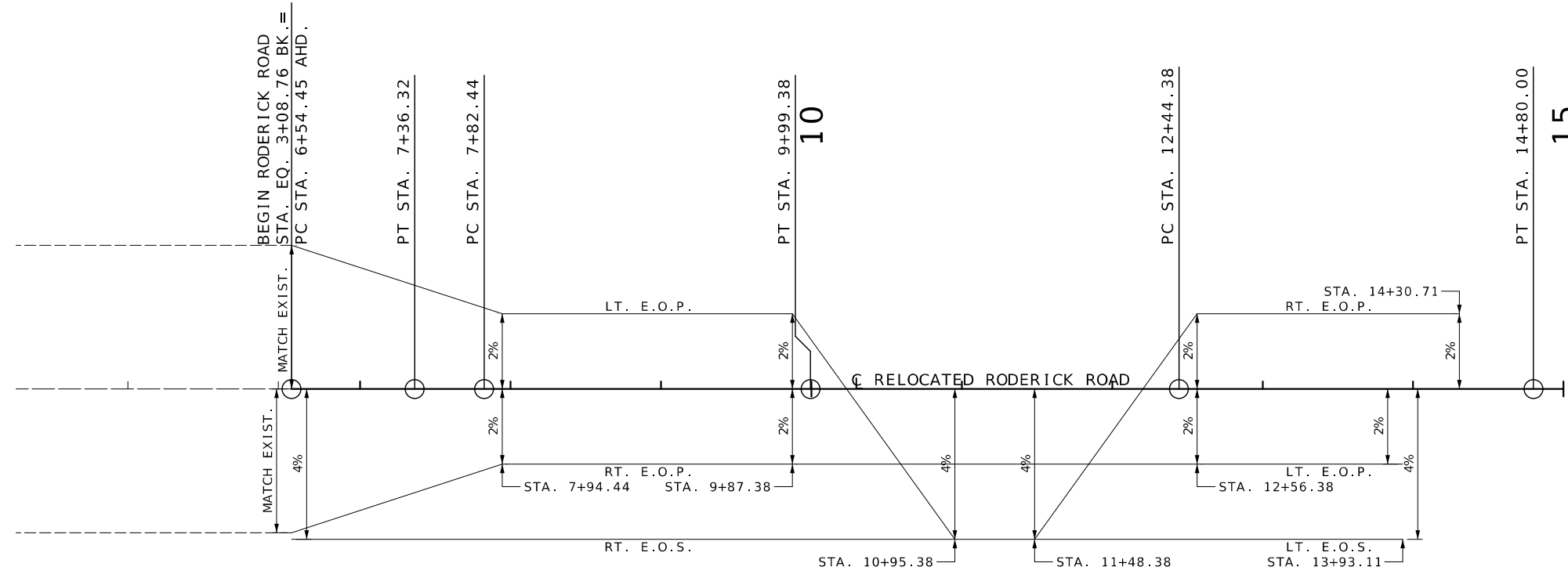
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 14
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

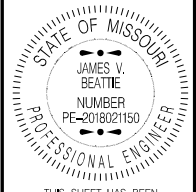
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUPERELEVATION DETAIL
SHEET 1 OF 2
SPECIAL SHEET 1 OF 21



RELOCATED RODERICK ROAD

NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

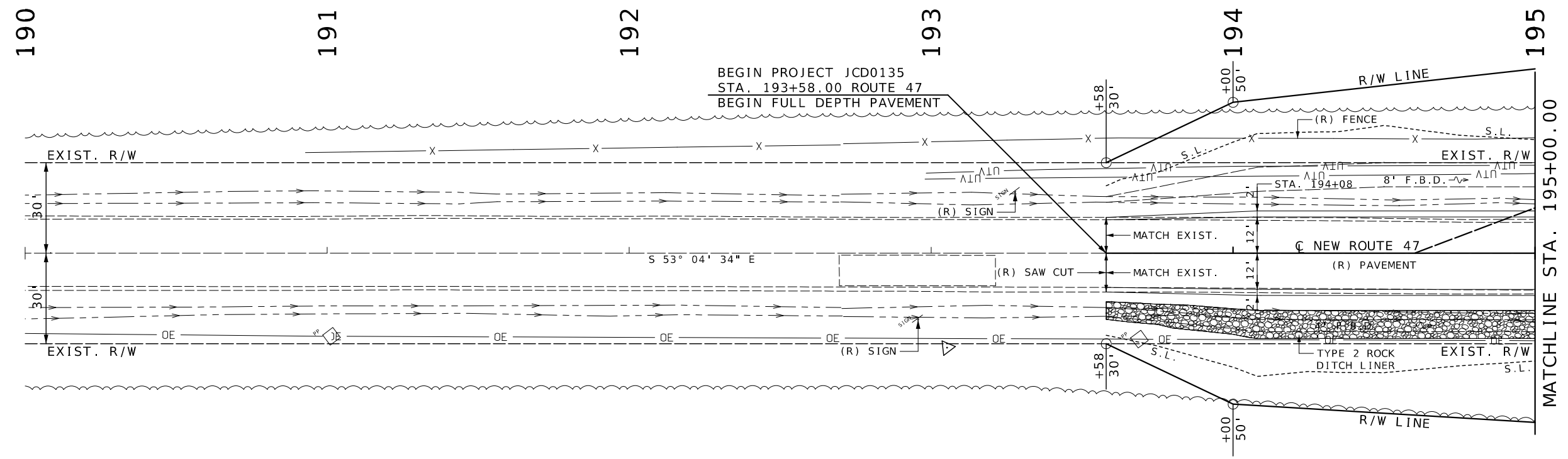
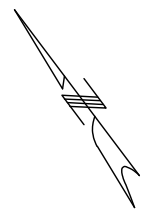
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 15
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

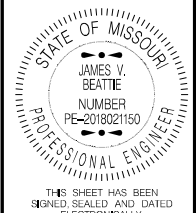
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUPERELEVATION DETAIL
SHEET 2 OF 2
SPECIAL SHEET 2 OF 21



NEW ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

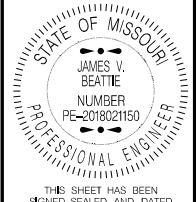
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 16
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT AND GUARDRAIL DETAIL
SHEET 1 OF 11
SPECIAL SHEET 3 OF 21



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

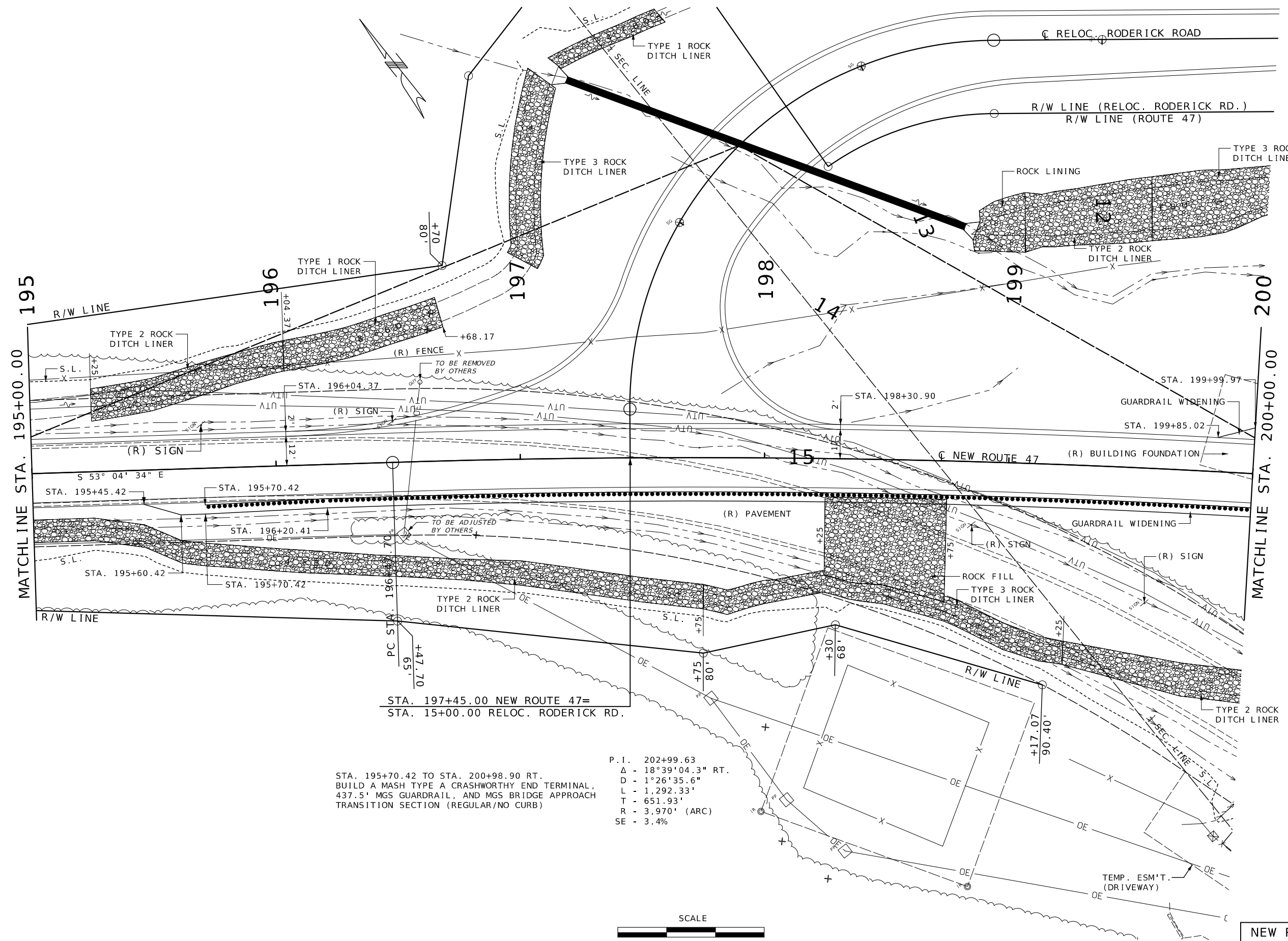
DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 17
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

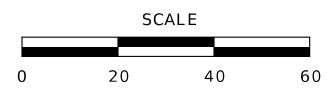
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT AND GUARDRAIL DETAIL
SHEET 2 OF 11
SPECIAL SHEET 4 OF 21

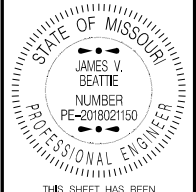


STA. 195+70.42 TO STA. 200+98.90 RT.
BUILD A MASH TYPE A CRASHWORTHY END TERMINAL,
437.5' MGS GUARDRAIL, AND MGS BRIDGE APPROACH
TRANSITION SECTION (REGULAR/NO CURB)

P.I. 202+99.63
Δ - 18°39'04.3" RT.
D - 1°26'35.6"
L - 1,292.33'
T - 651.93'
R - 3,970' (ARC)
SE - 3.4%



NEW ROUTE 47



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 19

COUNTY
WASHINGTON

JOB NO.
JCD0135


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

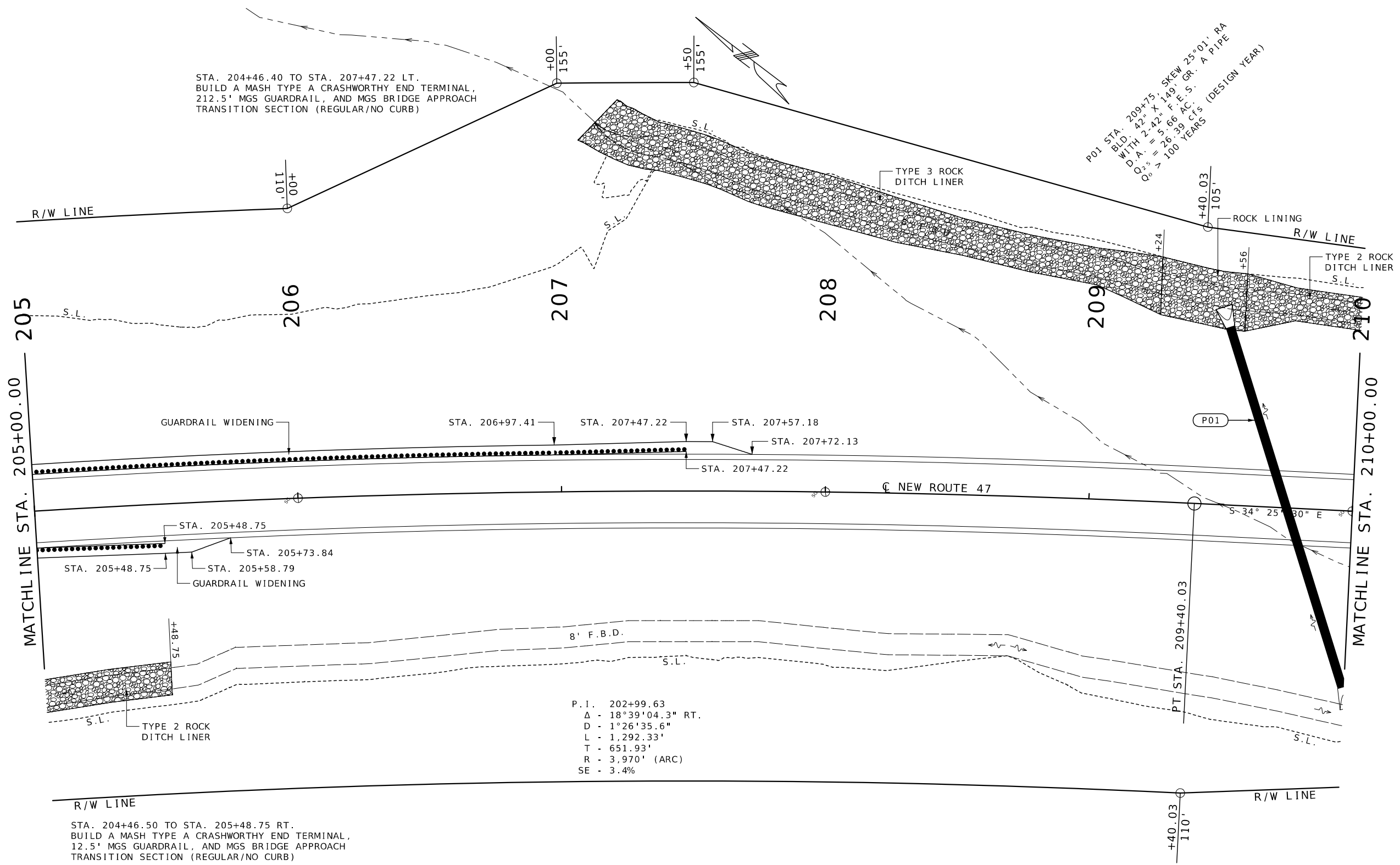
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

PAVEMENT
AND GUARDRAIL DETAIL
SHEET 4 OF 11
SPECIAL SHEET 6 OF 21

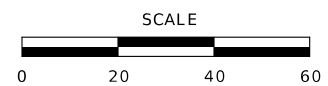


STA. 204+46.40 TO STA. 207+47.22 LT.
BUILD A MASH TYPE A CRASHWORTHY END TERMINAL,
212.5' MGS GUARDRAIL, AND MGS BRIDGE APPROACH
TRANSITION SECTION (REGULAR/NO CURB)

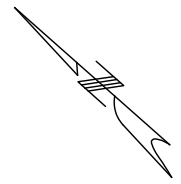
P01 STA. 209+75, SKEW 25°01' RA
BLD. 42" X 149' GR. A PIPE
D.A. = 5.66 AC. S.
Q₂₅ > 100 YEARS (DESIGN YEAR)

P. I. 202+99.63
Δ - 18°39'04.3" RT.
D - 1°26'35.6"
L - 1,292.33'
T - 651.93'
R - 3,970' (ARC)
SE - 3.4%

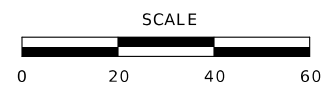
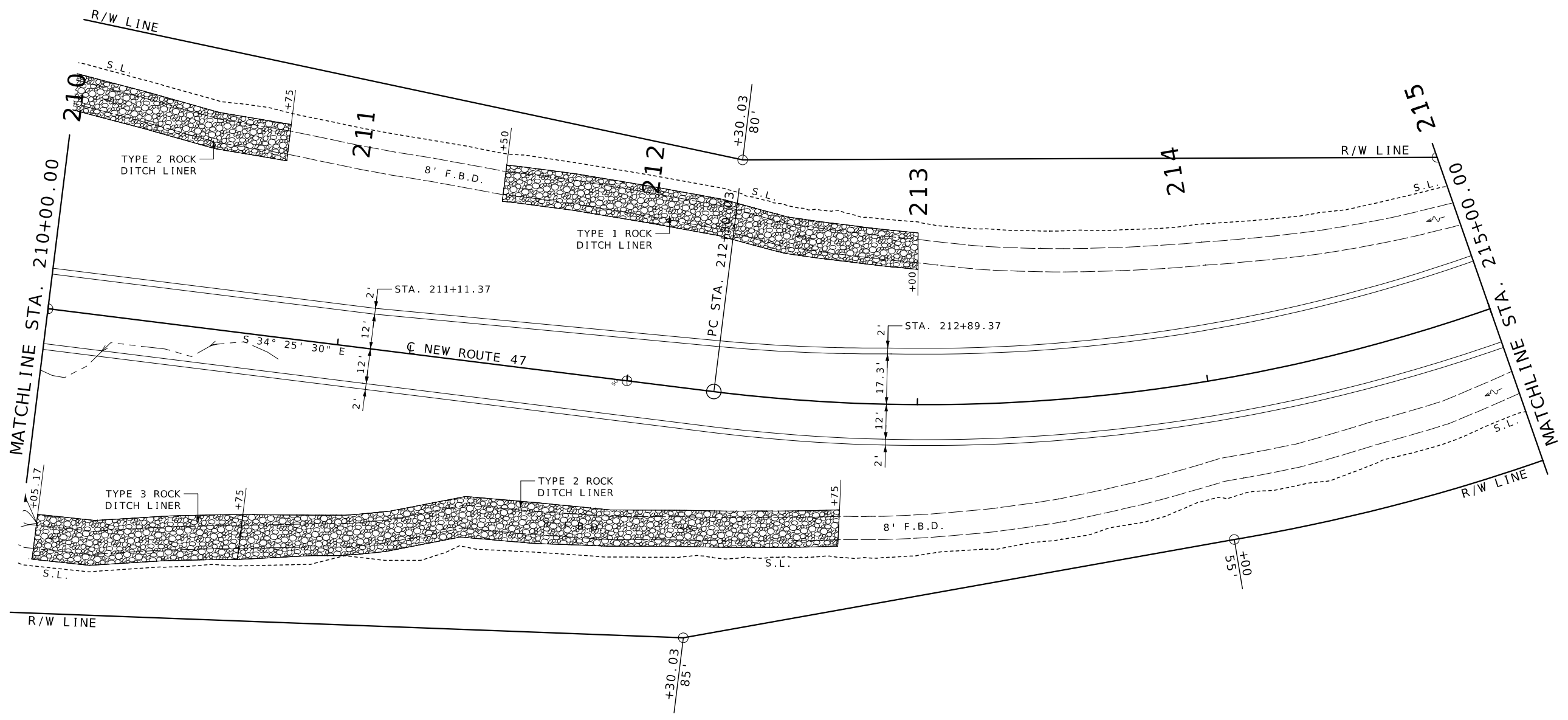
STA. 204+46.50 TO STA. 205+48.75 RT.
BUILD A MASH TYPE A CRASHWORTHY END TERMINAL,
12.5' MGS GUARDRAIL, AND MGS BRIDGE APPROACH
TRANSITION SECTION (REGULAR/NO CURB)



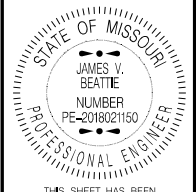
NEW ROUTE 47



P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'




NEW ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

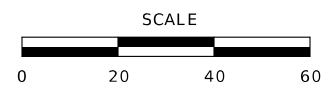
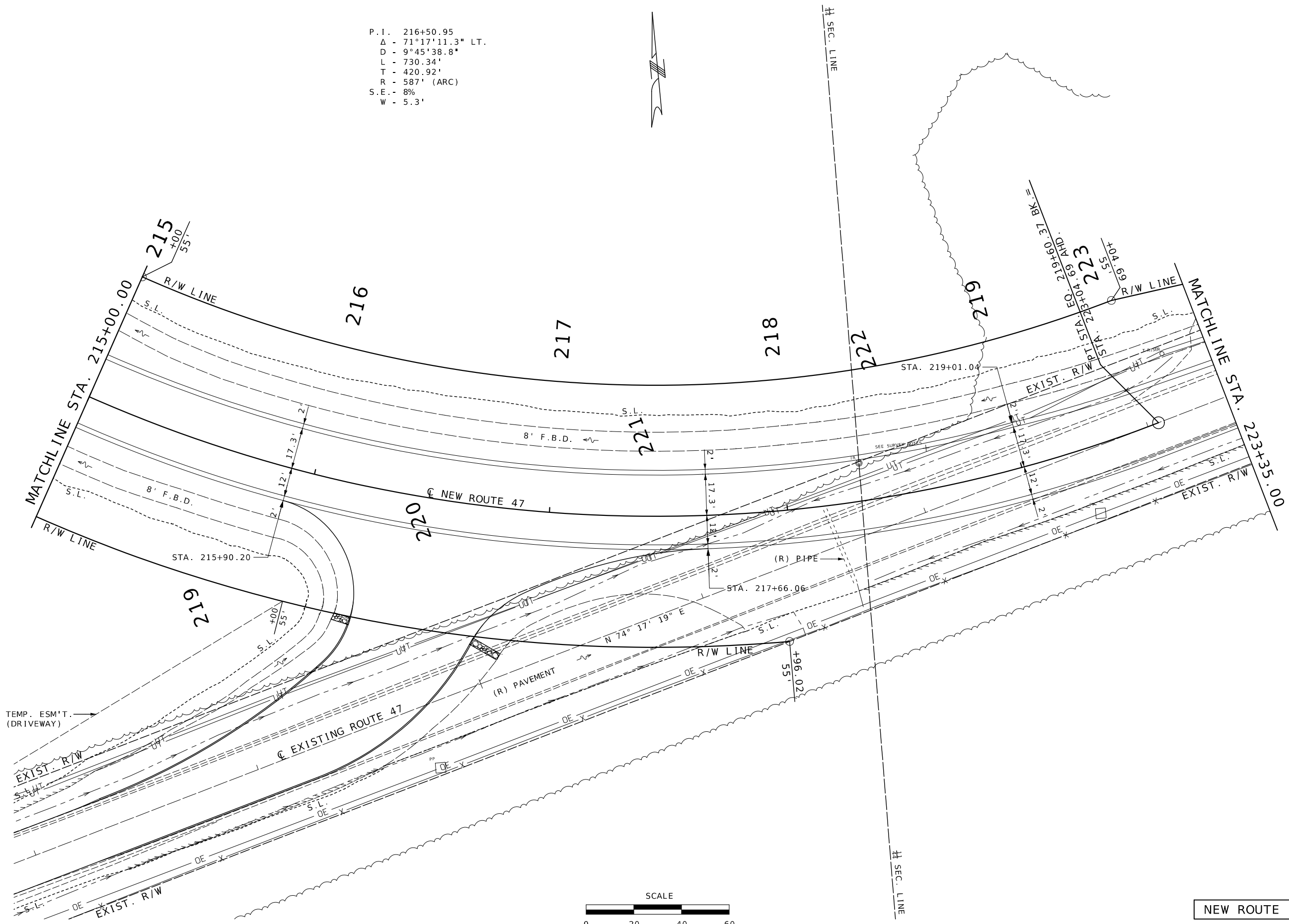
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 20
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

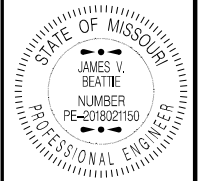
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT AND GUARDRAIL DETAIL
 SHEET 5 OF 11
 SPECIAL SHEET 7 OF 21

P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'



NEW ROUTE 47




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED		2/25/2026	
ROUTE	STATE	47	MO
DISTRICT	SHEET NO.	CD	21
COUNTY			
WASHINGTON			
JOB NO.			
JCD0135			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

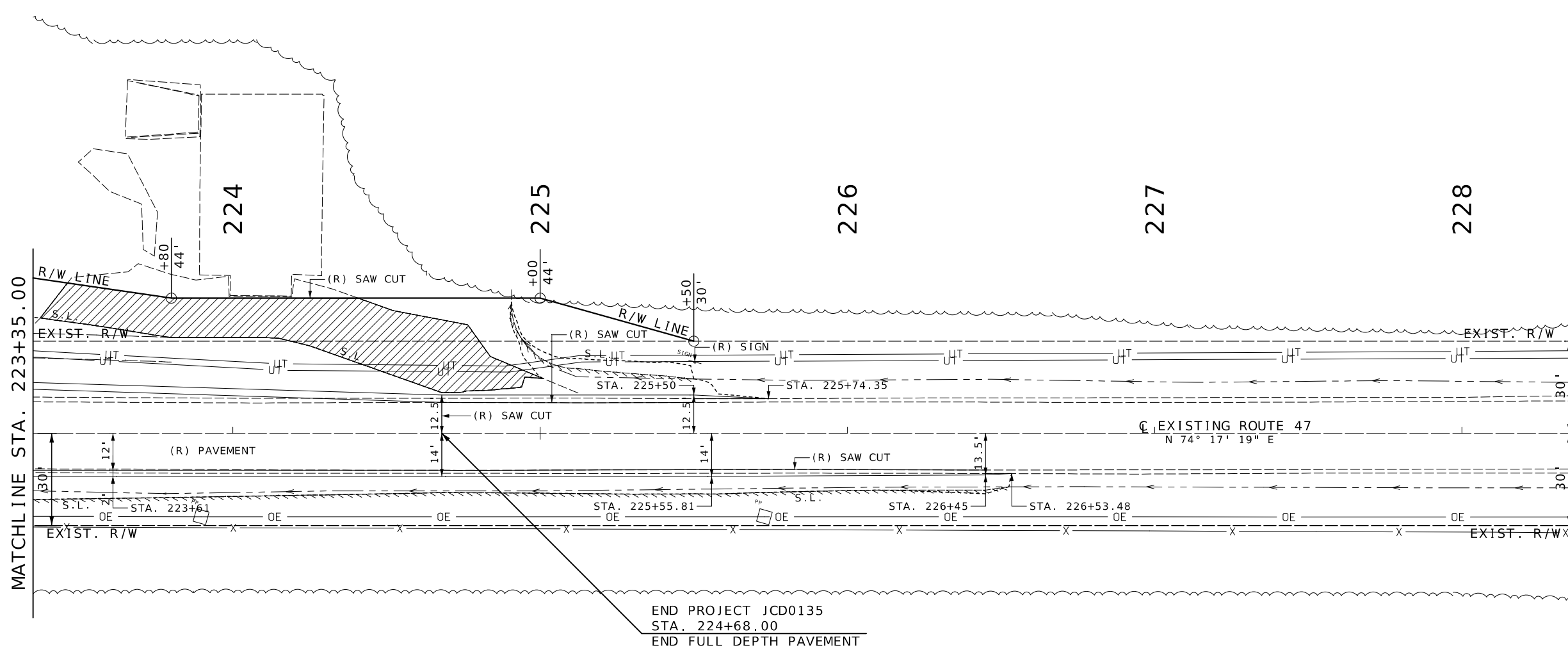
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

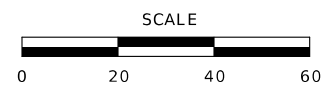


105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

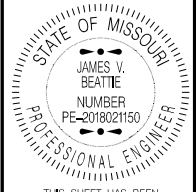
PAVEMENT AND GUARDRAIL DETAIL
 SHEET 6 OF 11
 SPECIAL SHEET 8 OF 21



END PROJECT JCD0135
 STA. 224+68.00
 END FULL DEPTH PAVEMENT



NEW ROUTE 47



THIS SHEET HAS BEEN
 SIGNED, SEALED AND DATED
 ELECTRONICALLY.

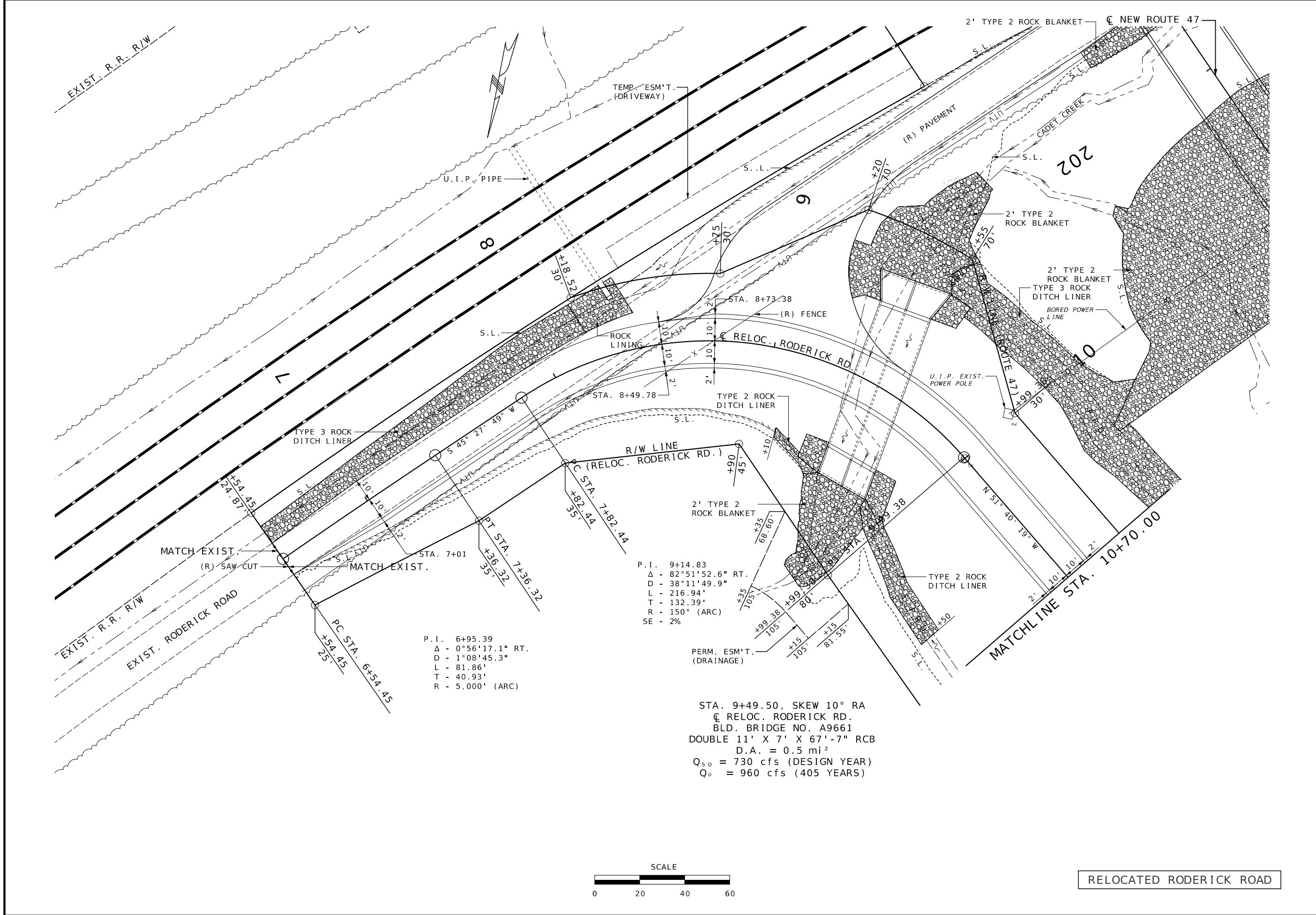
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 22
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

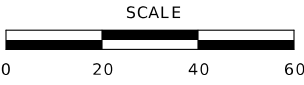
PAVEMENT
 AND GUARDRAIL DETAIL
 SHEET 7 OF 11
 SPECIAL SHEET 9 OF 21



P.I. 6+95.39
 Δ - 0°56'17.1" RT.
 D - 1°08'45.3"
 L - 81.86'
 T - 40.93'
 R - 5.000' (ARC)

P.I. 9+14.83
 Δ - 82°51'52.6" RT.
 D - 38°11'49.9"
 L - 216.94'
 T - 132.39'
 R - 150' (ARC)
 SE - 2%

STA. 9+49.50, SKEW 10° RA
 C RELOC. RODERICK RD.
 BLD. BRIDGE NO. A9661
 D.A. = 0.5 mi²
 Q₅₀ = 730 cfs (DESIGN YEAR)
 Q₀ = 960 cfs (405 YEARS)



RELOCATED RODERICK ROAD



THIS SHEET HAS BEEN
 SIGNED, SEALED AND DATED
 ELECTRONICALLY.

DATE PREPARED
 3/2/2026

ROUTE 47 STATE MO
 DISTRICT CD SHEET NO. 23

COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.

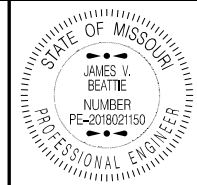
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

PAVEMENT
 AND GUADRRAIL DETAIL
 SHEET 8 OF 11
 SPECIAL SHEET 10 OF 21



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

P.I. 202+99.63
Δ - 18°39'04.3" RT.
D - 1°26'35.6"
L - 1,292.33'
T - 651.93'
R - 3,970' (ARC)
SE - 3.4%

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 24

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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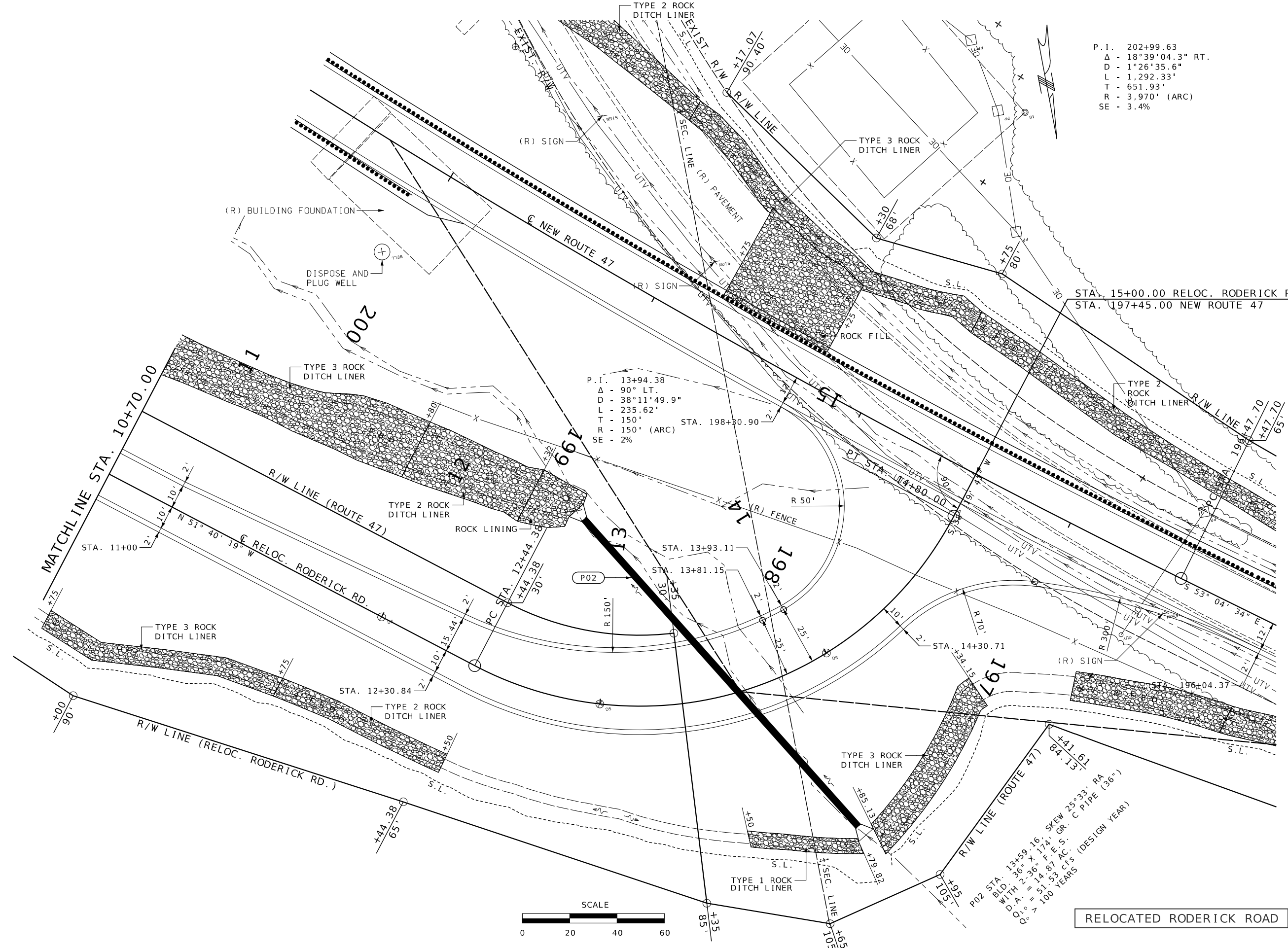
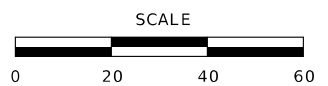
BRIDGE NO.

BRIDGE NO.

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

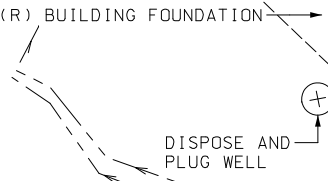
PAVEMENT
AND GUARDRAIL DETAIL
SHEET 9 OF 11
SPECIAL SHEET 11 OF 21

RELOCATED RODERICK ROAD



P.I. 13+94.38
Δ - 90° LT.
D - 38°11'49.9"
L - 235.62'
T - 150'
R - 150' (ARC)
SE - 2%

P02 STA. 13+59.16, SKEW 25°33' RA
BLD. 36" X 174" GR. C PIPE (36")
W.D.A. = 51.93 CFS (DESIGN YEAR)
Q₁₀₀ > 100 YEARS



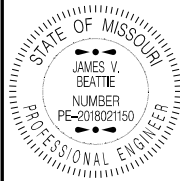
MATCHLINE STA. 10+70.00

R/W LINE (RELOC. RODERICK RD.)

R/W LINE (ROUTE 47)

R/W LINE (ROUTE 47)

STA. 15+00.00 RELOC. RODERICK RD. =
STA. 197+45.00 NEW ROUTE 47



THIS SHEET HAS BEEN
SERIALIZED AND DATED
ELECTRONICALLY.

DATE PREPARED
3/2/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 25

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

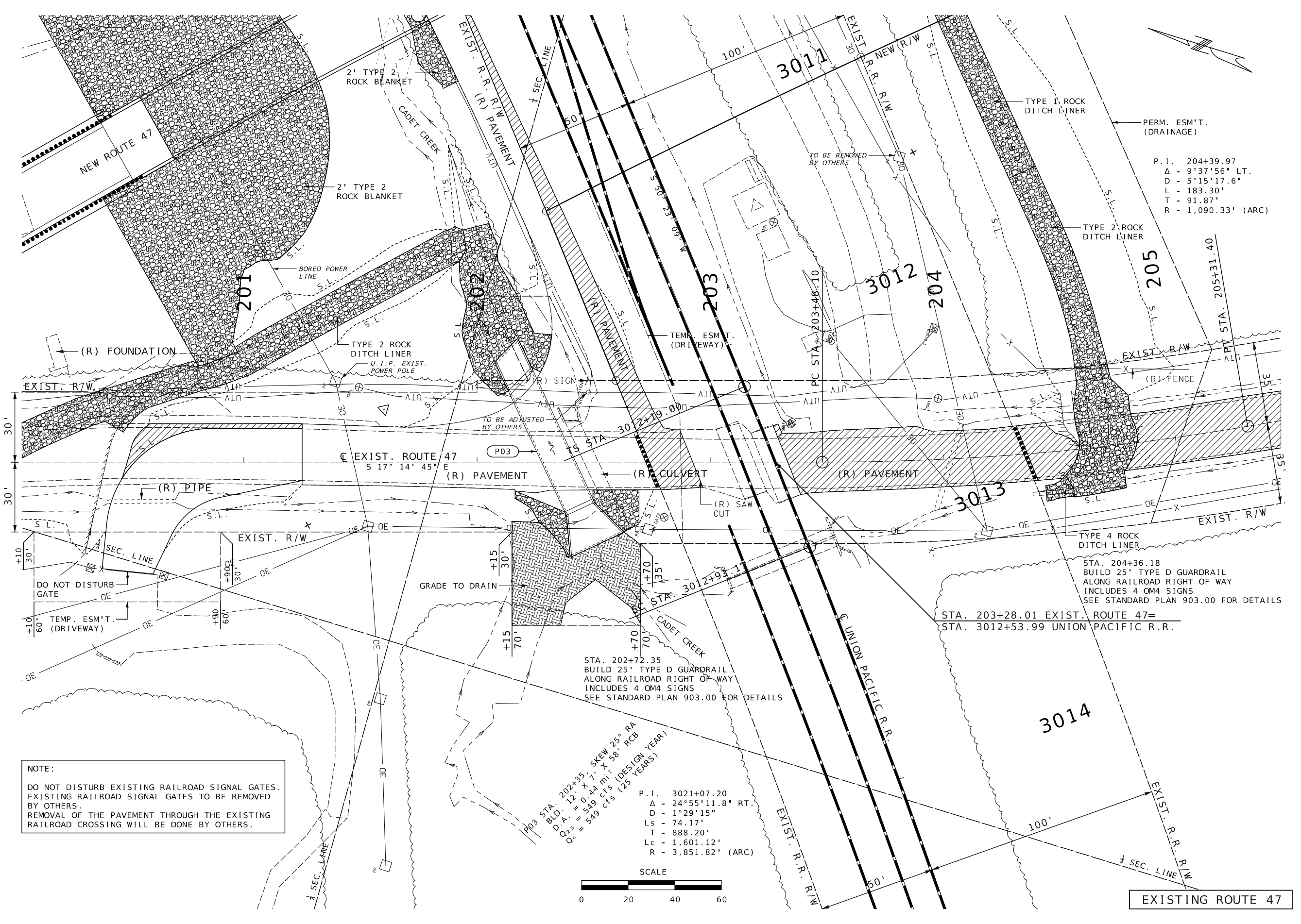
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

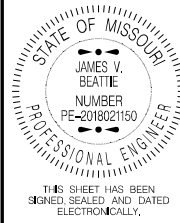
PAVEMENT AND GUARDRAIL DETAIL

SHEET 10 OF 11

SPECIAL SHEET 12 OF 21



NOTE:
DO NOT DISTURB EXISTING RAILROAD SIGNAL GATES.
EXISTING RAILROAD SIGNAL GATES TO BE REMOVED
BY OTHERS.
REMOVAL OF THE PAVEMENT THROUGH THE EXISTING
RAILROAD CROSSING WILL BE DONE BY OTHERS.



DATE PREPARED
3/2/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 26

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

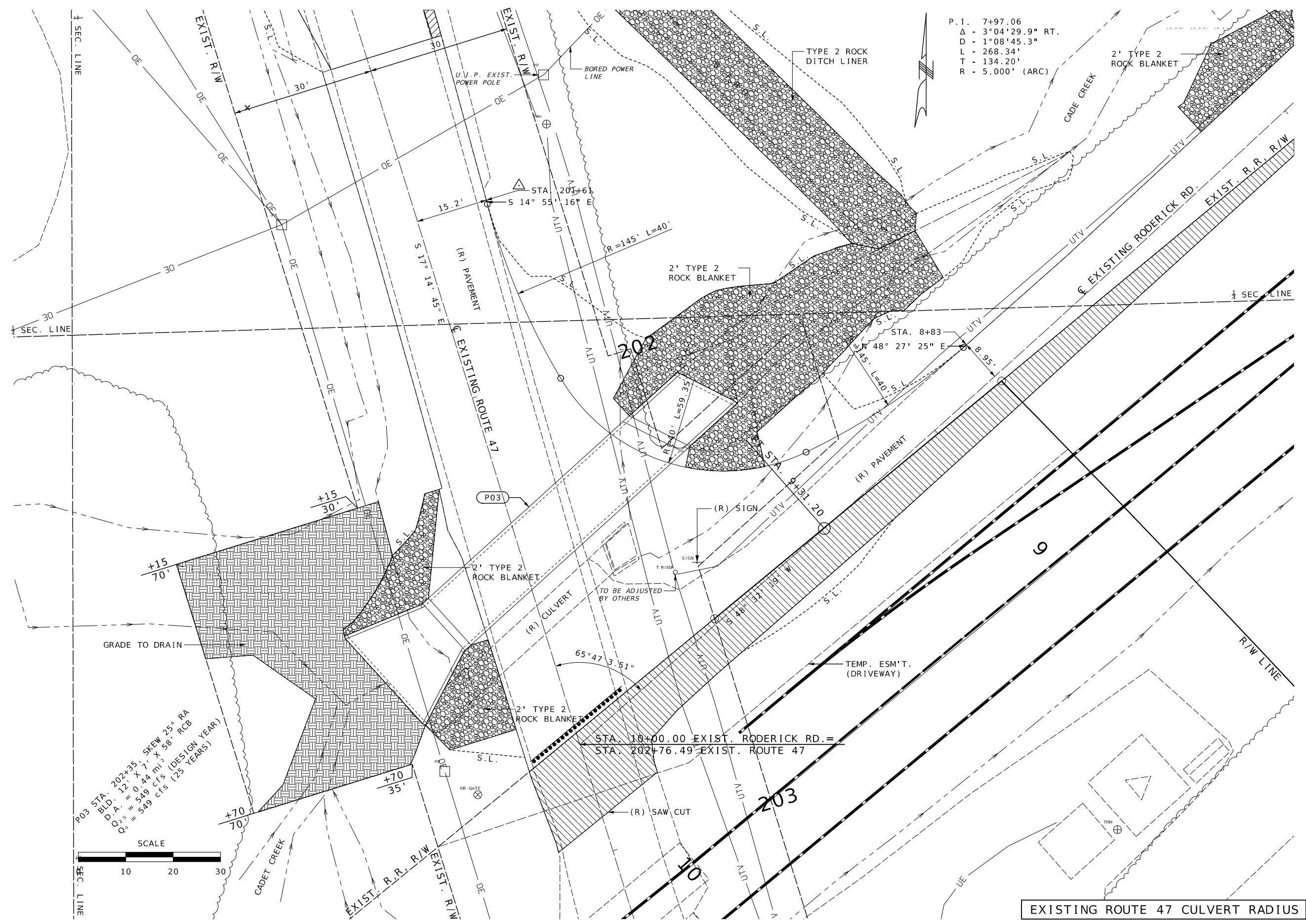
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

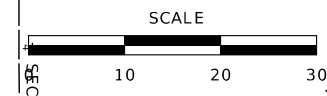
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT AND GUADRAIL DETAIL
SHEET 11 OF 11
SPECIAL SHEET 13 OF 21

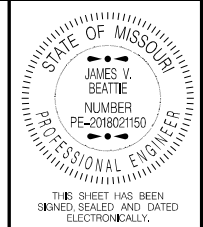
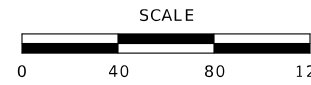
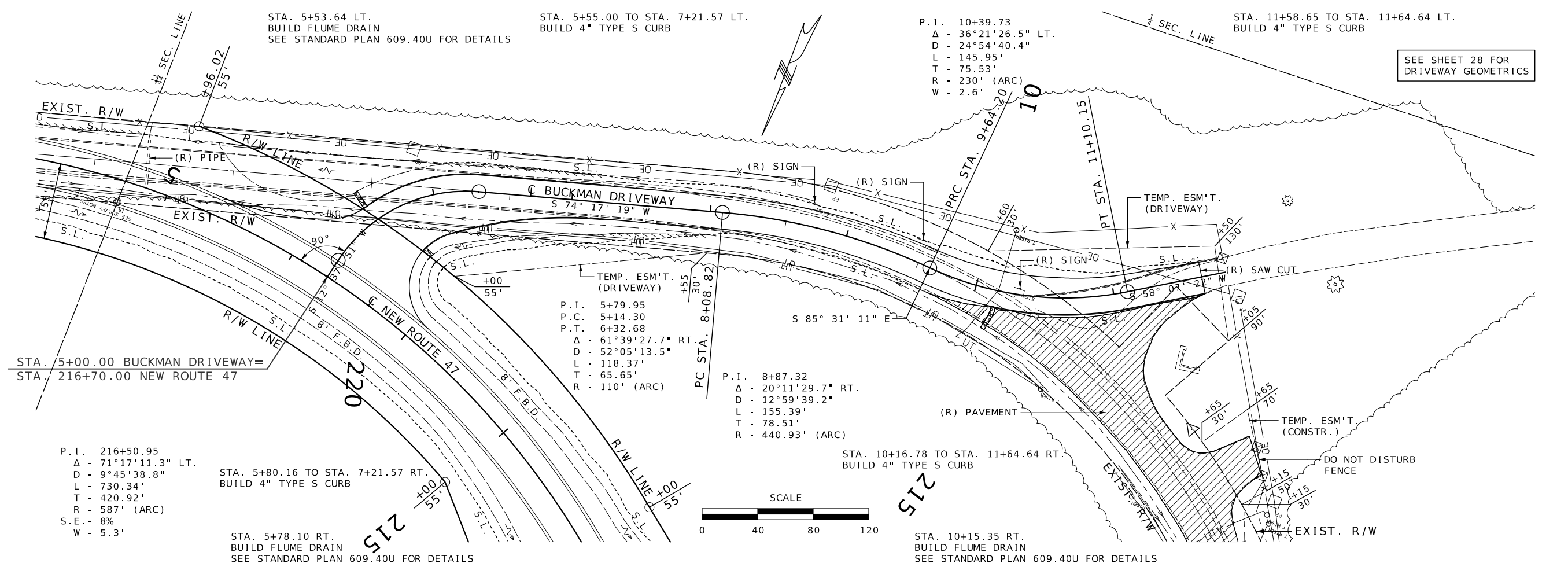


P.I. 7+97.06
 Δ - 3°04'29.9" RT.
 D - 1°08'45.3"
 L - 268.34'
 T - 134.20'
 R - 5,000' (ARC)

P03 STA. 202+35, SKEW 25° RA
 BLD. 12' X 7' X 58' RCB
 $Q_{15} = 549$ CFS (DESIGN YEAR)
 $Q_{25} = 549$ CFS (25 YEARS)



EXISTING ROUTE 47 CULVERT RADIUS



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 27

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.
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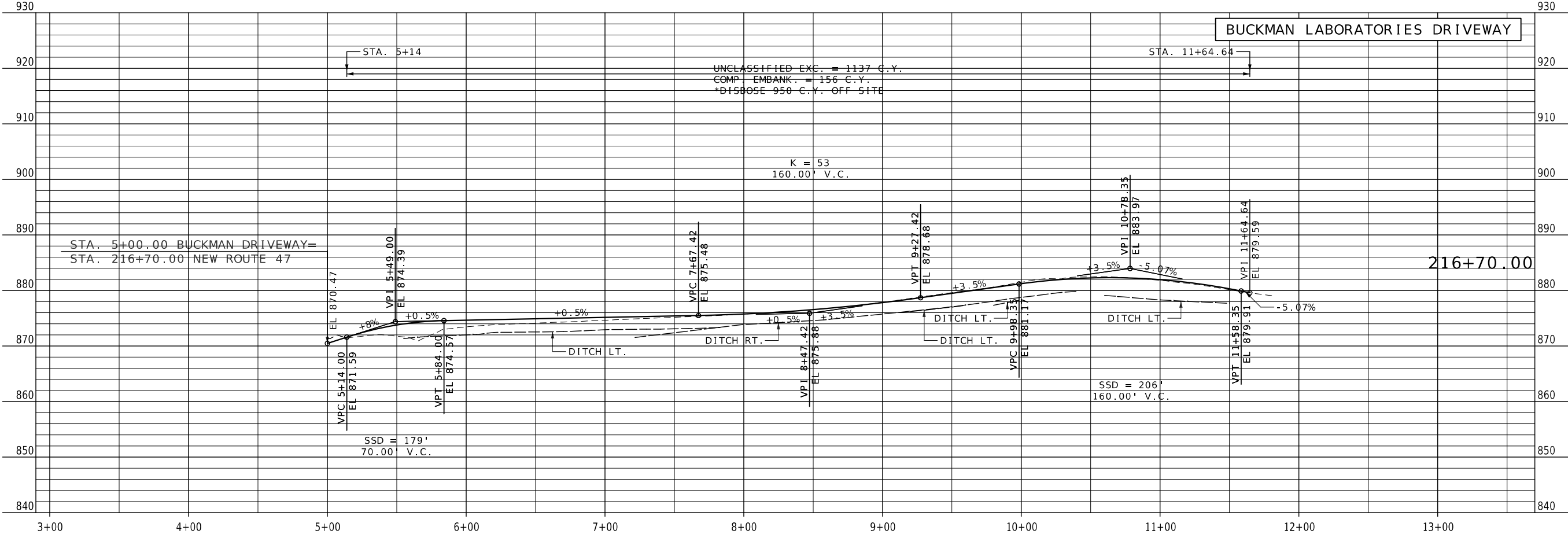
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BRIDGE NO.
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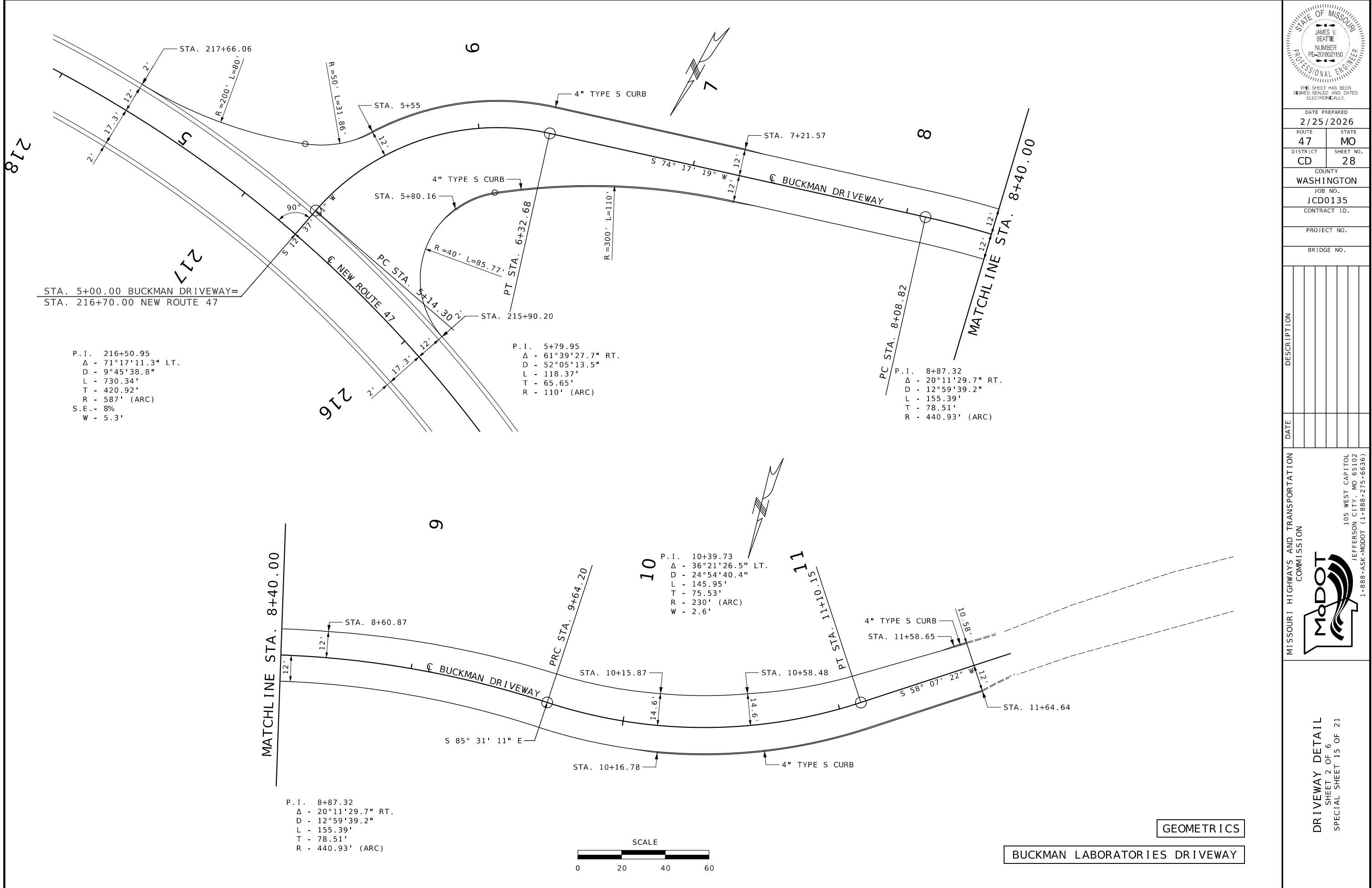
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DRIVEWAY DETAIL
SHEET 1 OF 6
SPECIAL SHEET 14 OF 21



STA. 5+00.00 BUCKMAN DRIVEWAY=
STA. 216+70.00 NEW ROUTE 47

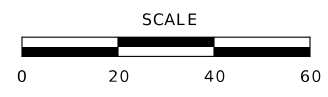
P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'

P.I. 5+79.95
 Δ - 61°39'27.7" RT.
 D - 52°05'13.5"
 L - 118.37'
 T - 65.65'
 R - 110' (ARC)

P.I. 8+87.32
 Δ - 20°11'29.7" RT.
 D - 12°59'39.2"
 L - 155.39'
 T - 78.51'
 R - 440.93' (ARC)

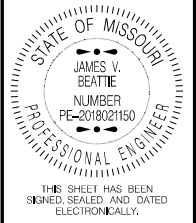
P.I. 10+39.73
 Δ - 36°21'26.5" LT.
 D - 24°54'40.4"
 L - 145.95'
 T - 75.53'
 R - 230' (ARC)
 W - 2.6'

P.I. 8+87.32
 Δ - 20°11'29.7" RT.
 D - 12°59'39.2"
 L - 155.39'
 T - 78.51'
 R - 440.93' (ARC)



GEOMETRICS

BUCKMAN LABORATORIES DRIVEWAY



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 28

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

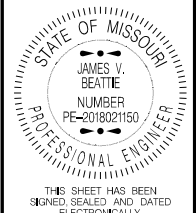
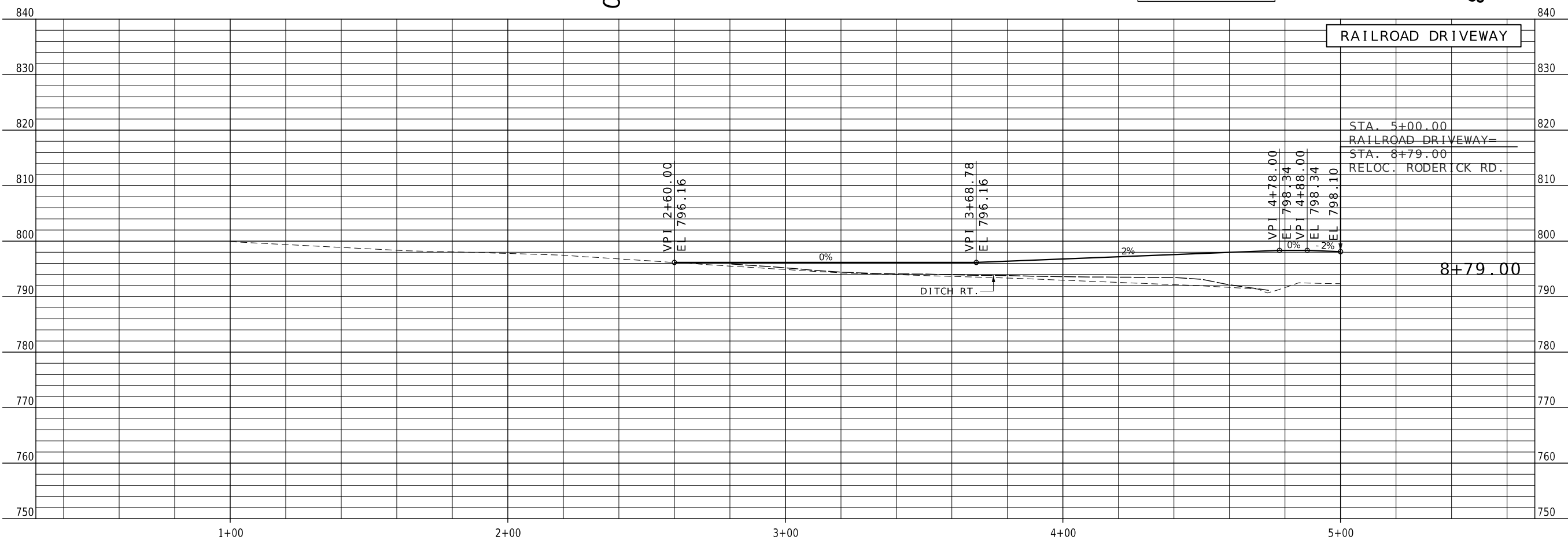
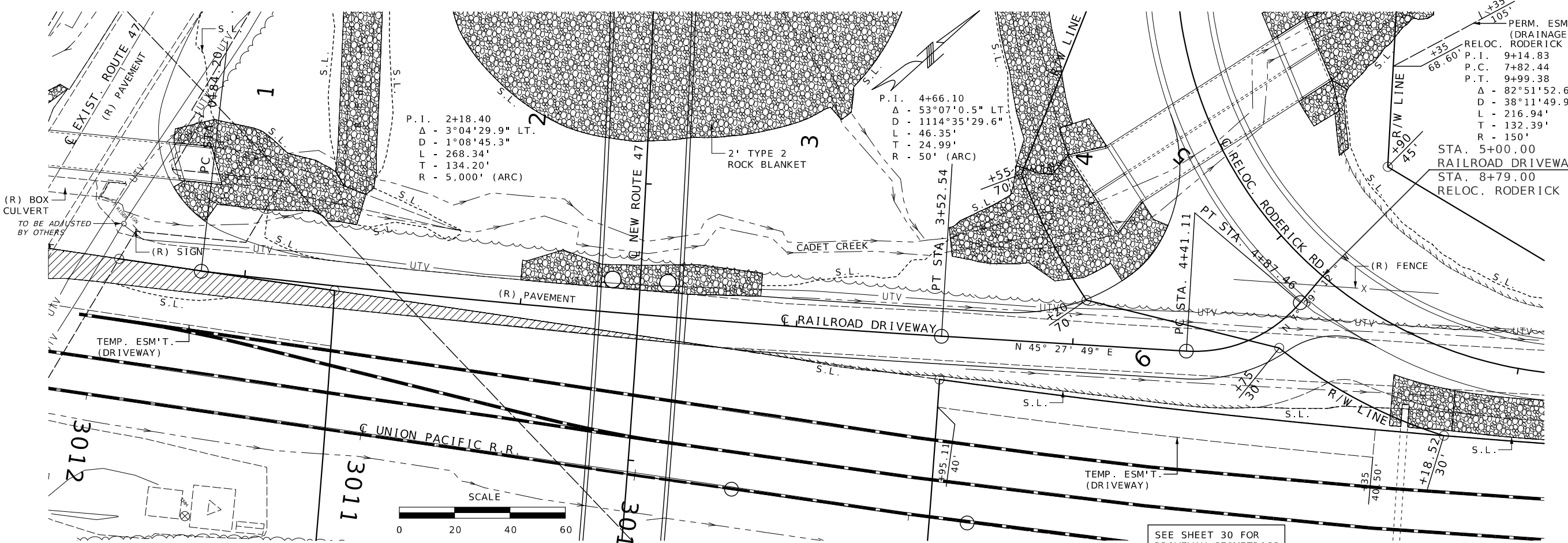
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DRIVEWAY DETAIL
SHEET 2 OF 6
SPECIAL SHEET 15 OF 21



DATE PREPARED
3/2/2026

ROUTE
47

STATE
MO

DISTRICT
CD

SHEET NO.
29

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

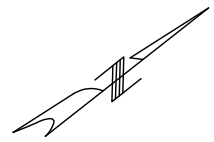
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DRIVEWAY DETAIL
SHEET 3 OF 6
SPECIAL SHEET 16 OF 21

NEW ROUTE 47



10

P. I. 9+14.83
 P. C. 7+82.44
 P. T. 9+99.38
 Δ - 82°51'52.6" RT.
 D - 38°11'49.9"
 L - 216.94'
 T - 132.39'
 R - 150'

P. I. 2+18.40
 Δ - 3°04'29.9" LT.
 D - 1°08'45.3"
 L - 268.34'
 T - 134.20'
 R - 5,000' (ARC)

3

P. I. 4+66.10
 Δ - 53°07'0.5" LT.
 D - 1114°35'29.6"
 L - 46.35'
 T - 24.99'
 R - 50' (ARC)

4

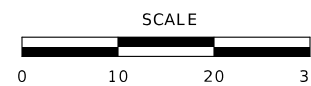
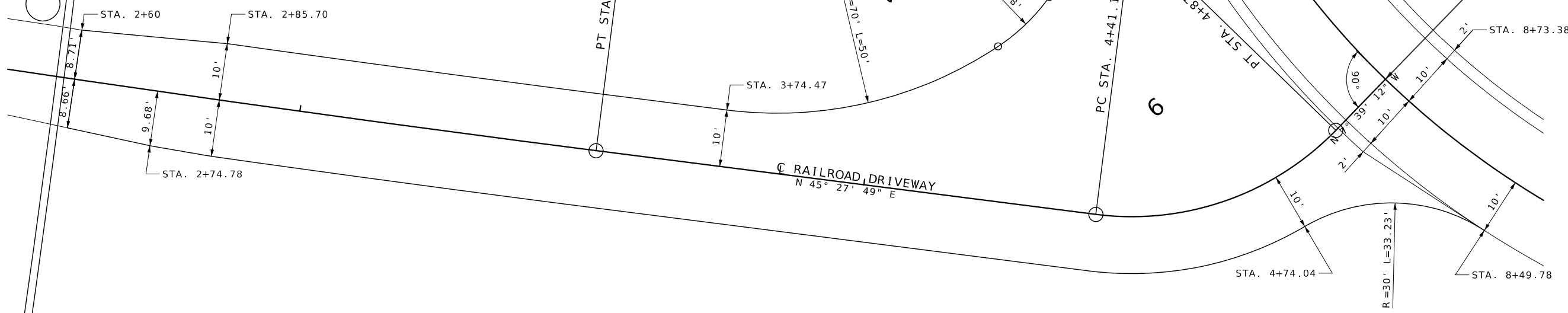
R=55' L=50'

R=35' L=72.58'

R=10' L=50'

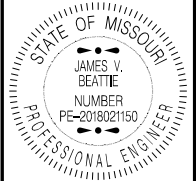
6

STA. 5+00.00
 RAILROAD DRIVEWAY=
 STA. 8+79.00
 RELOC. RODERICK RD.



GEOMETRICS

RAILROAD DRIVEWAY



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

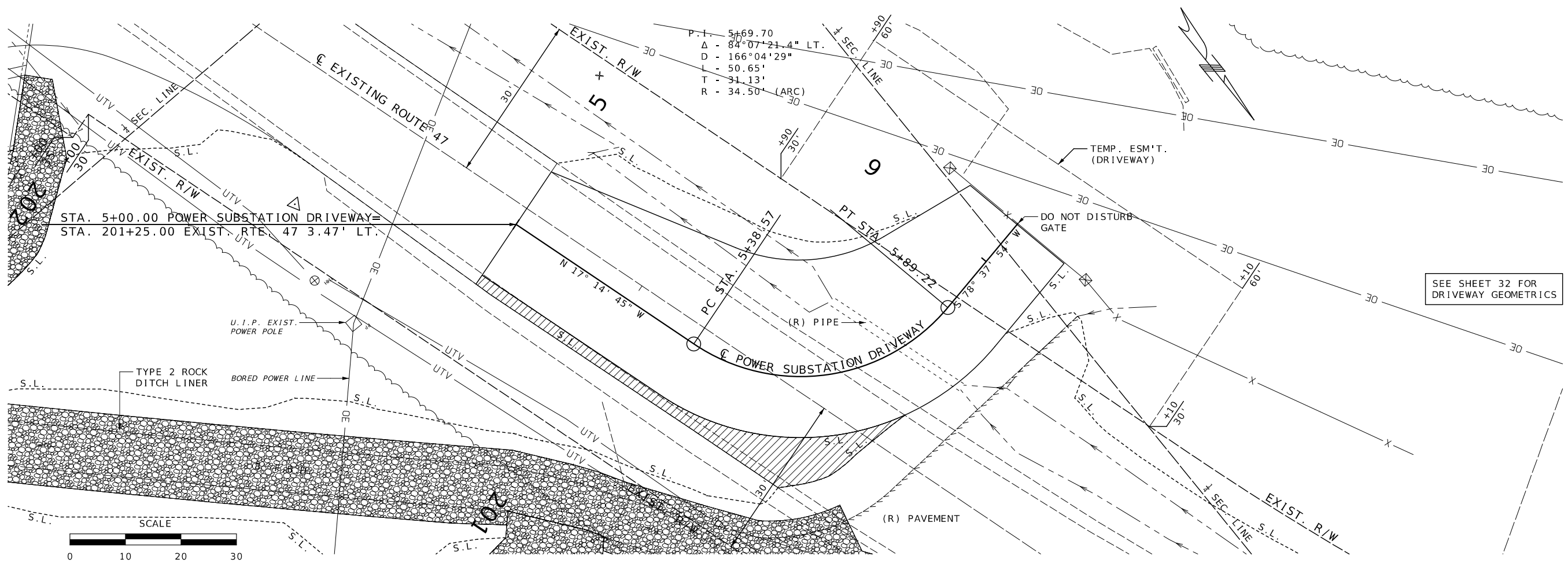
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 30
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

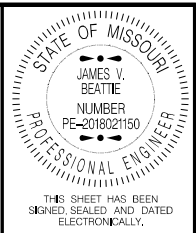
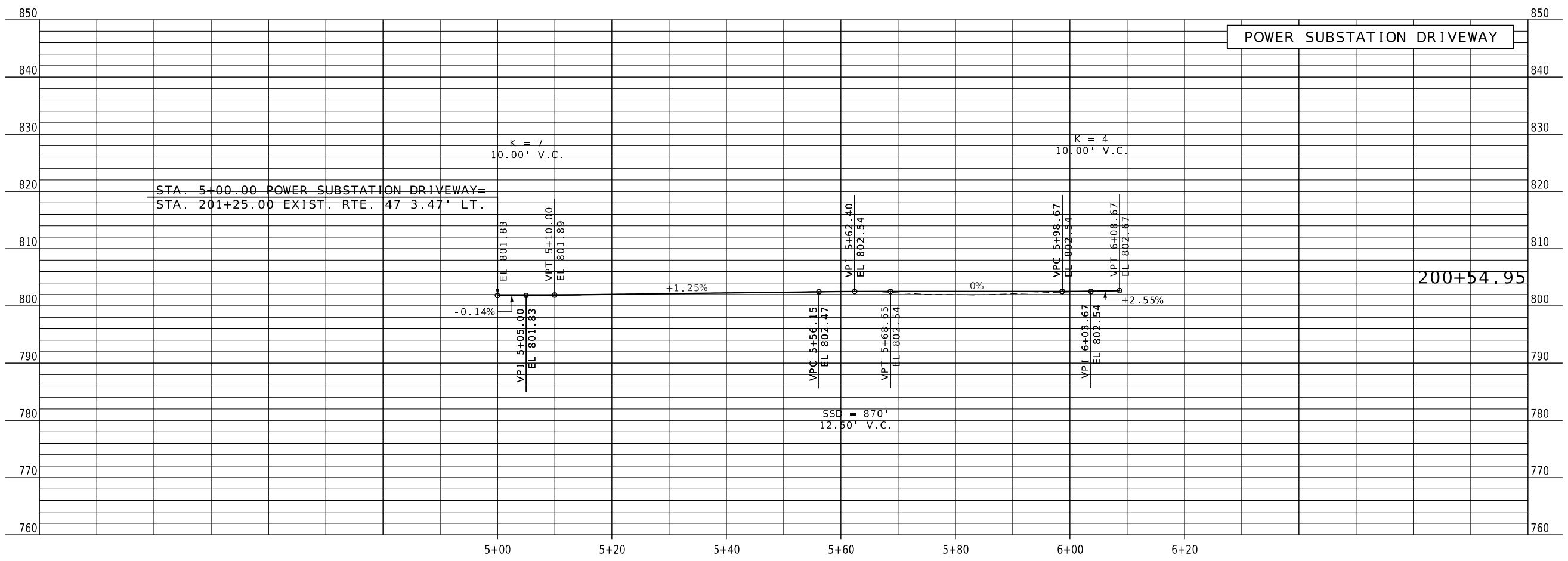
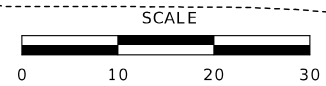
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DRIVEWAY DETAIL
 SHEET 4 OF 6
 SPECIAL SHEET 17 OF 21



SEE SHEET 32 FOR DRIVEWAY GEOMETRICS



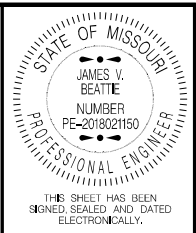
DATE PREPARED
3/2/2026
ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 31
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DRIVEWAY DETAIL
 SHEET 5 OF 6
 SPECIAL SHEET 18 OF 21



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 32

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

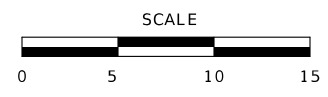
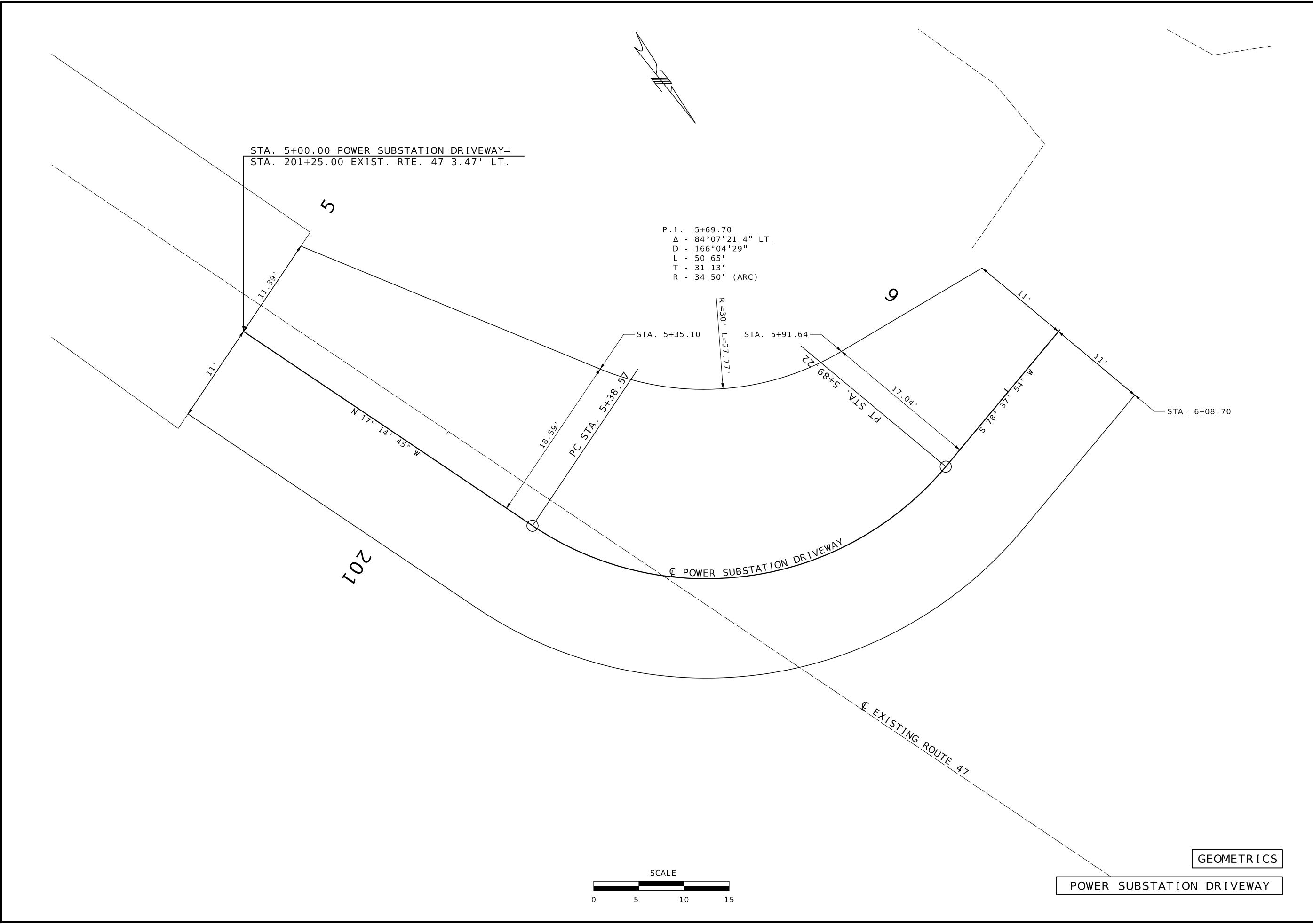
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

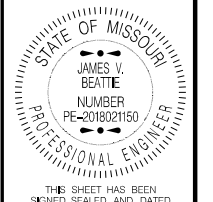
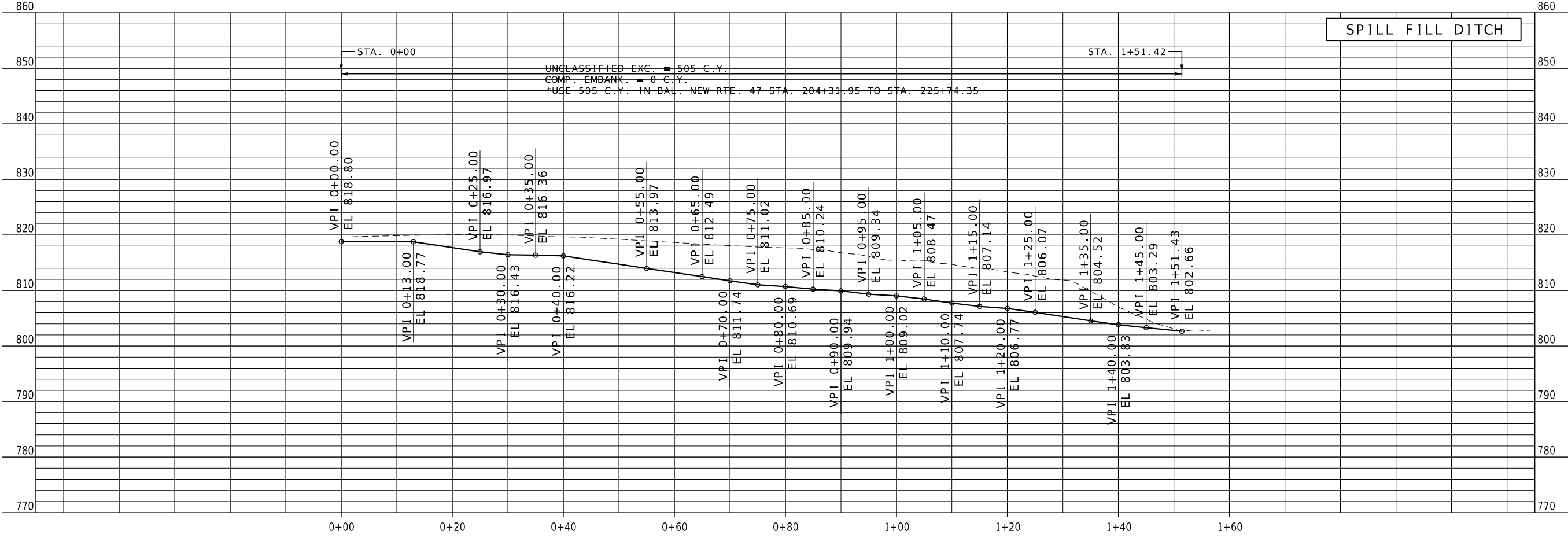
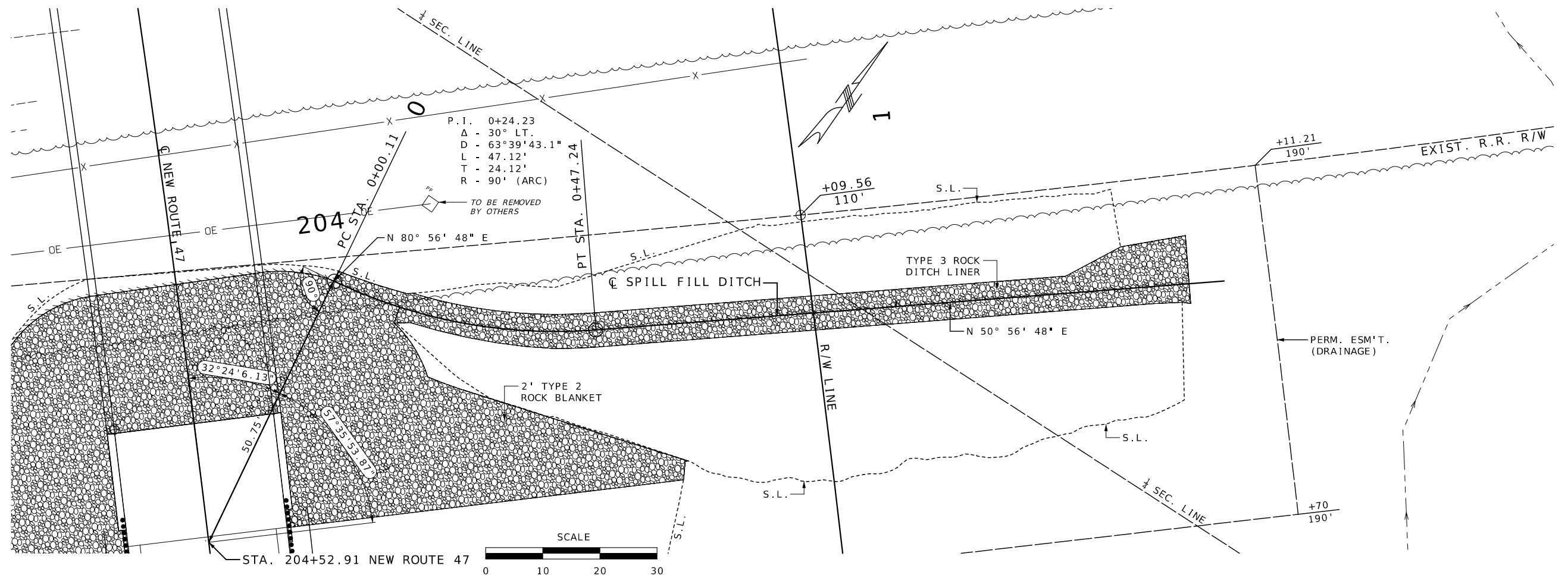
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

DRIVEWAY DETAIL
SHEET 6 OF 6
SPECIAL SHEET 19 OF 21



GEOMETRICS

POWER SUBSTATION DRIVEWAY



DATE PREPARED
3/2/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 33

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

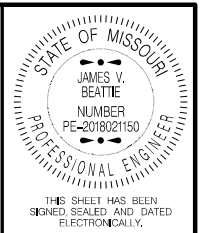
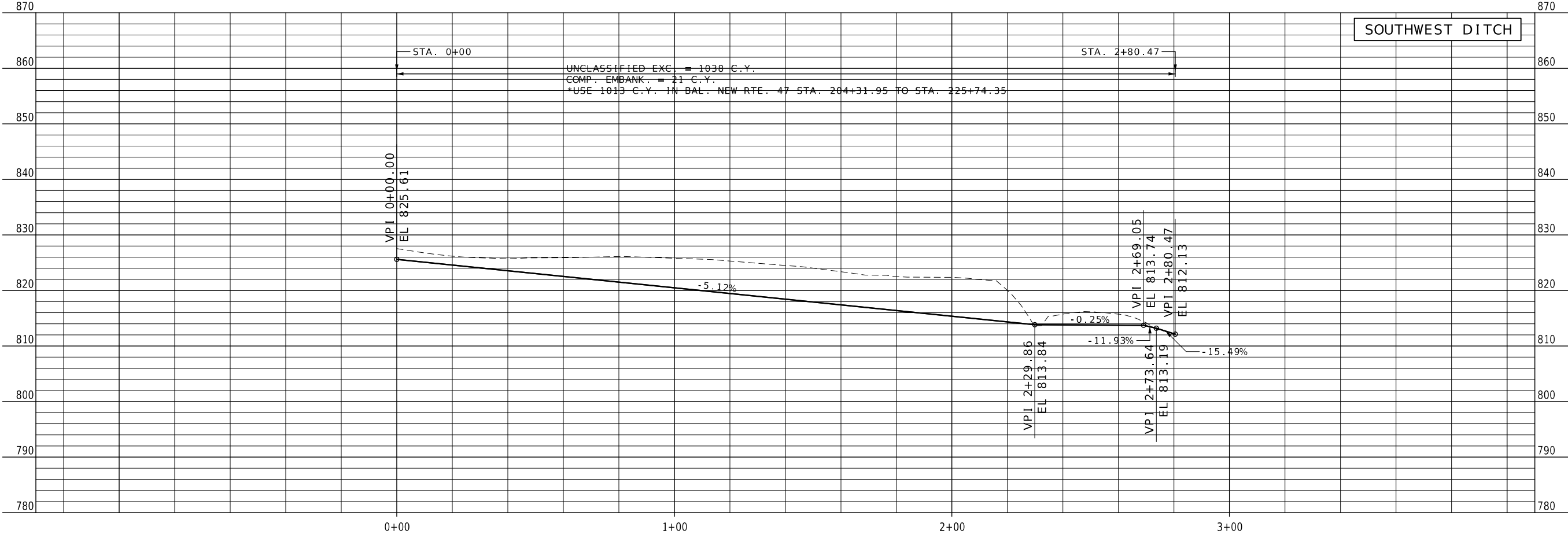
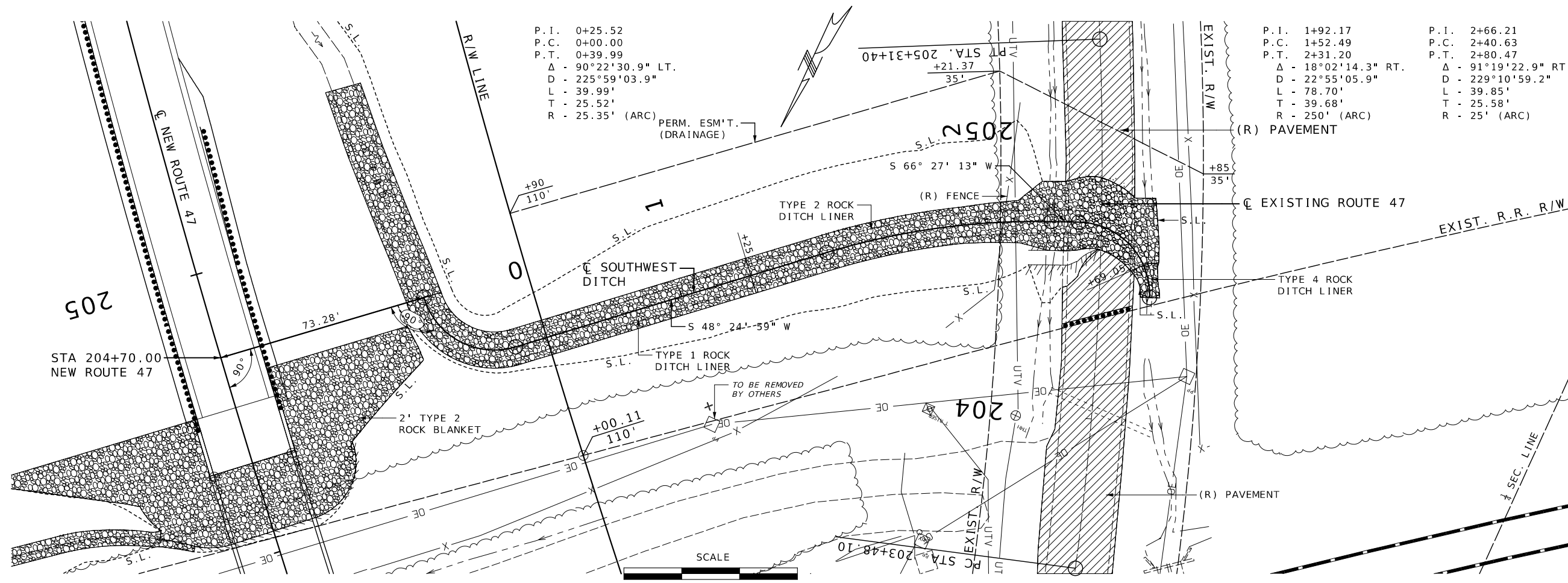
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DITCH DETAIL
SHEET 1 OF 2
SPECIAL SHEET 20 OF 21



DATE PREPARED
3/2/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	34

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

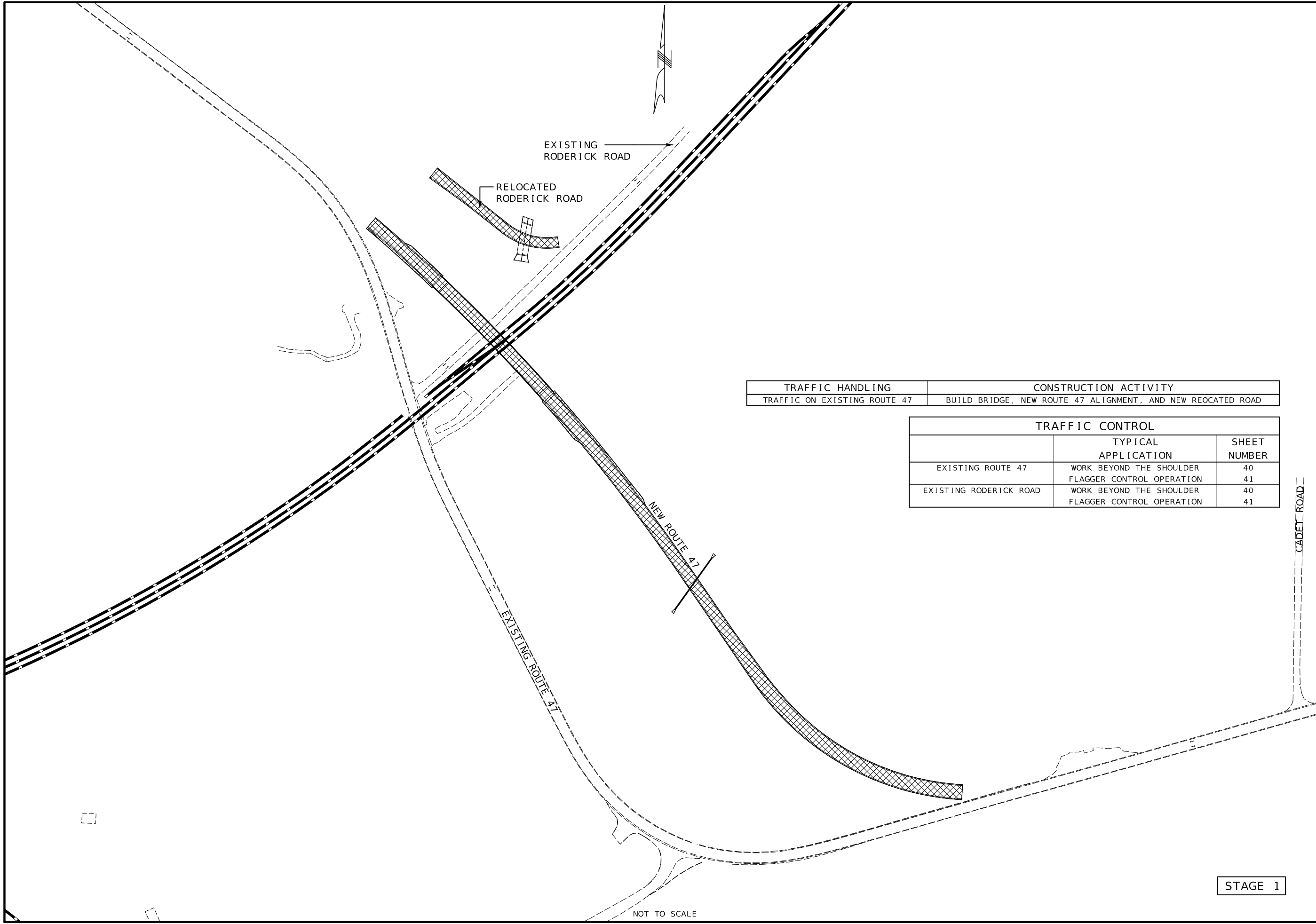
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DITCH DETAIL
SHEET 2 OF 2
SPECIAL SHEET 21 OF 21

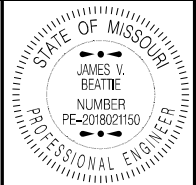


TRAFFIC HANDLING	CONSTRUCTION ACTIVITY
TRAFFIC ON EXISTING ROUTE 47	BUILD BRIDGE, NEW ROUTE 47 ALIGNMENT, AND NEW REOCATED ROAD

TRAFFIC CONTROL		
	TYPICAL APPLICATION	SHEET NUMBER
EXISTING ROUTE 47	WORK BEYOND THE SHOULDER	40
	FLAGGER CONTROL OPERATION	41
EXISTING RODERICK ROAD	WORK BEYOND THE SHOULDER	40
	FLAGGER CONTROL OPERATION	41

STAGE 1

NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

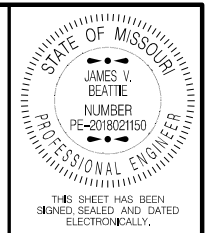
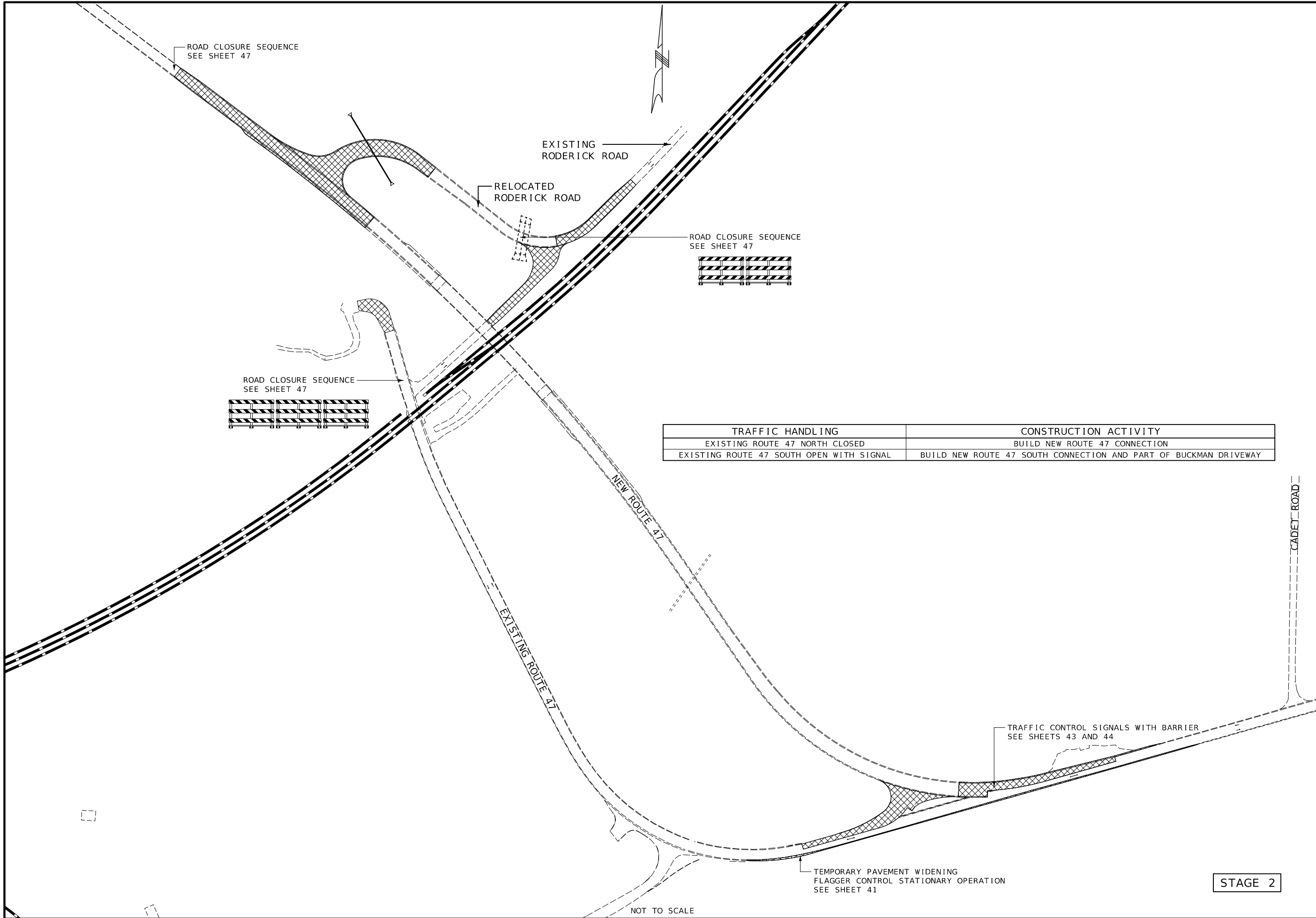
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 35
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 1 OF 21



THIS SHEET HAS BEEN SIGNED SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 36
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

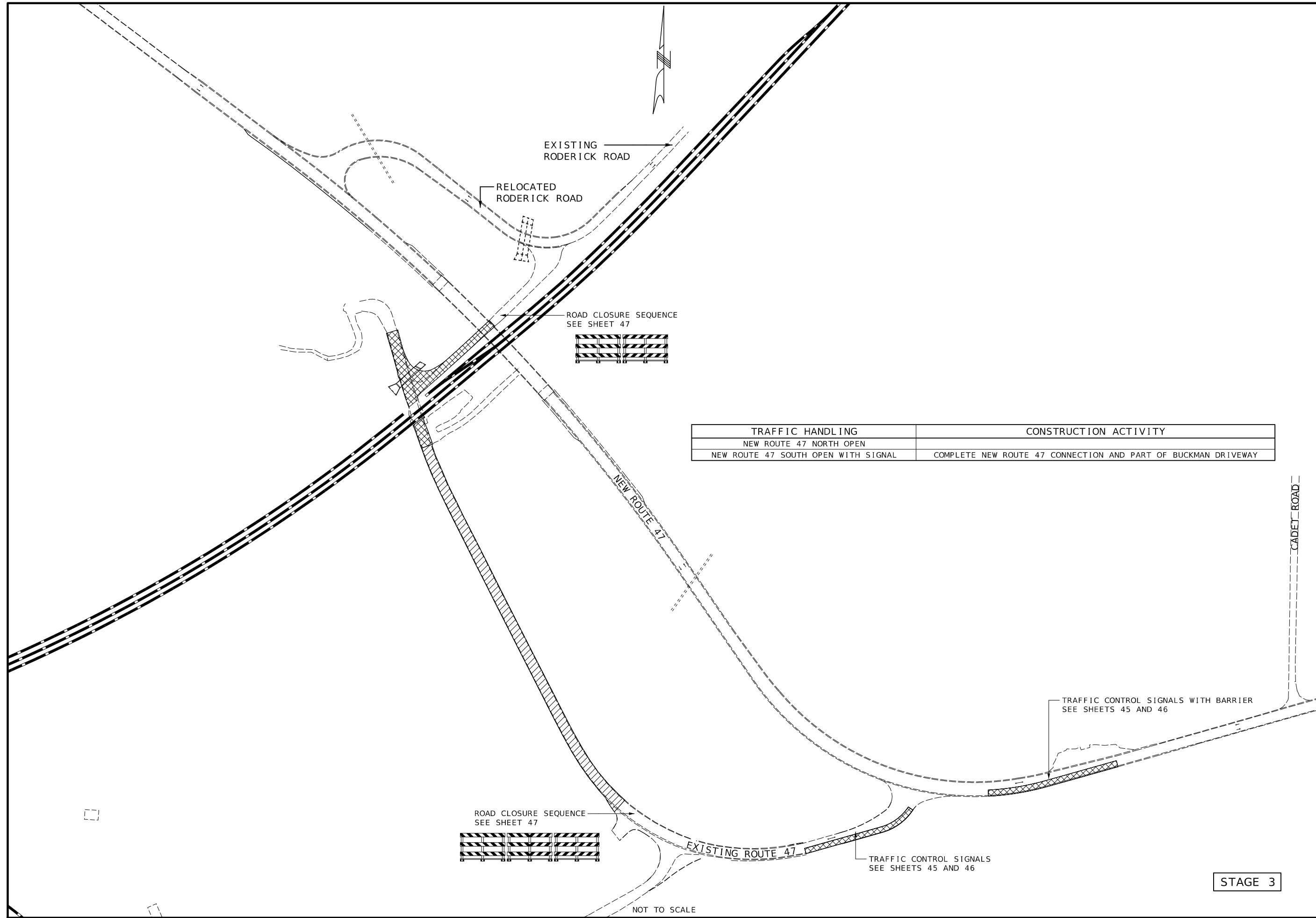
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

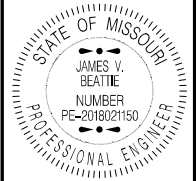
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

TRAFFIC CONTROL PLAN
SHEET 2 OF 21

STAGE 2



TRAFFIC HANDLING	CONSTRUCTION ACTIVITY
NEW ROUTE 47 NORTH OPEN	COMPLETE NEW ROUTE 47 CONNECTION AND PART OF BUCKMAN DRIVEWAY
NEW ROUTE 47 SOUTH OPEN WITH SIGNAL	



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 37
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

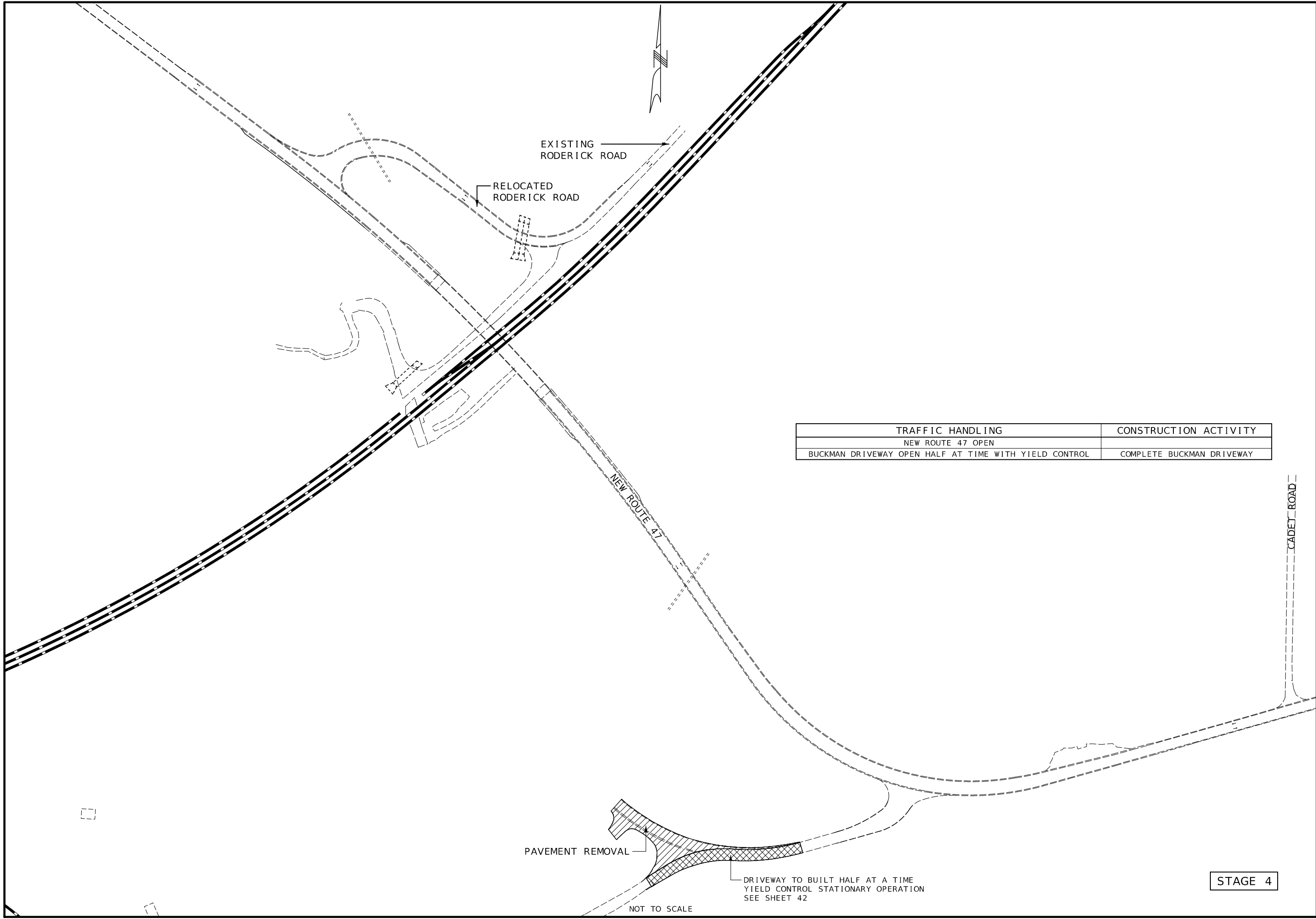


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN
SHEET 3 OF 21

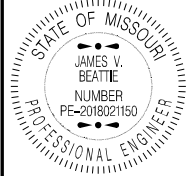
STAGE 3

NOT TO SCALE



TRAFFIC HANDLING	CONSTRUCTION ACTIVITY
NEW ROUTE 47 OPEN	
BUCKMAN DRIVEWAY OPEN HALF AT TIME WITH YIELD CONTROL	COMPLETE BUCKMAN DRIVEWAY

STAGE 4



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 38
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL LEGEND

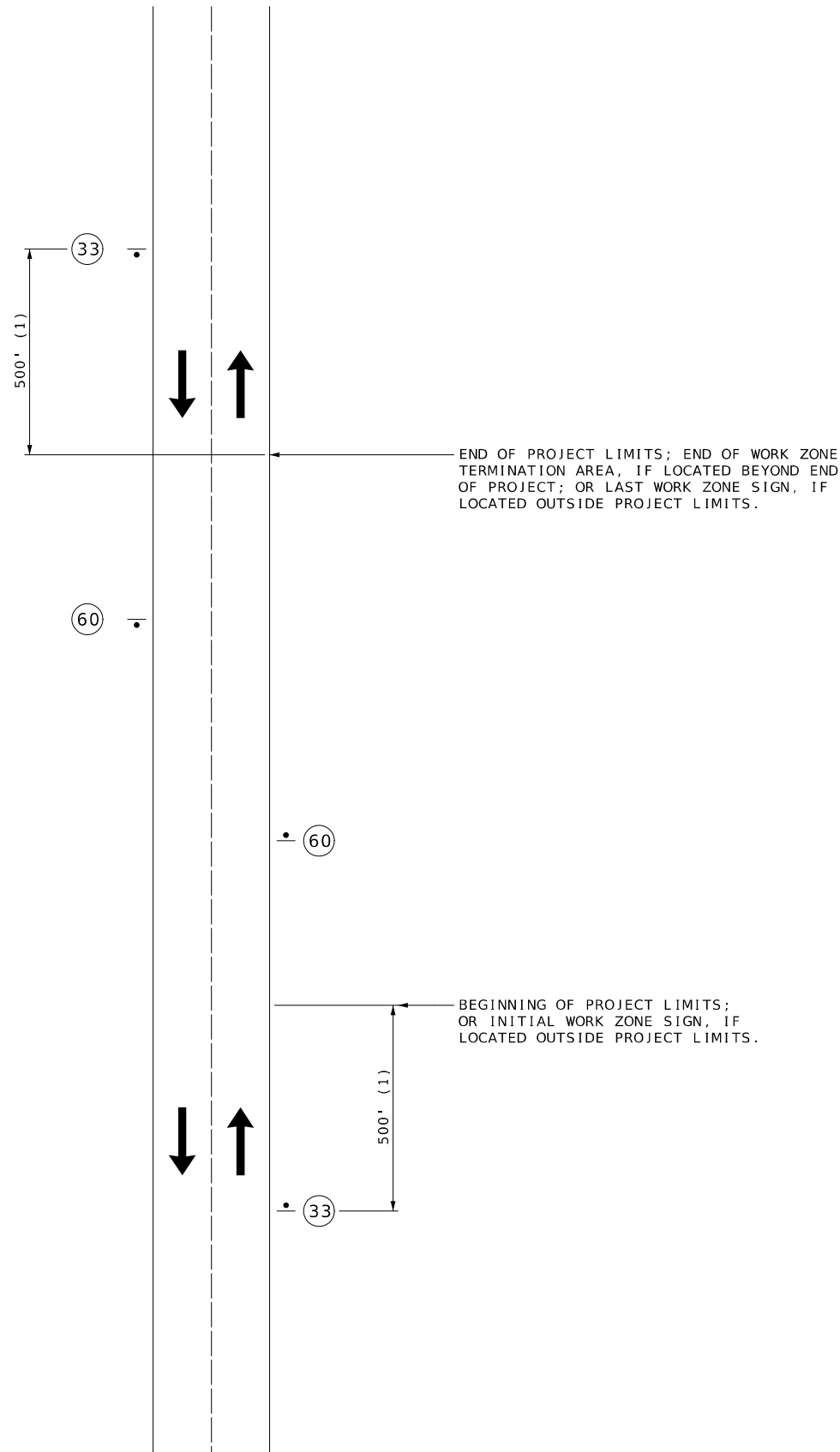
• SIGN (SINGLE SIDED)

NOTES:

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE 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) 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 G020-1 ROAD WORK NEXT ## MILES.
- (3) 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 RIGHTS OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. 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.
- (4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (5) SEE SHEET 55 FOR SIGN (60) DIMENSIONS.

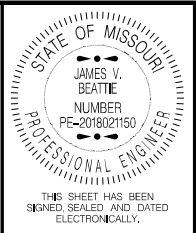


CONST-8
(33) (4)



CONST-5
(60) (2) (3) (5)

BEGIN AND END
PROJECT SIGNING

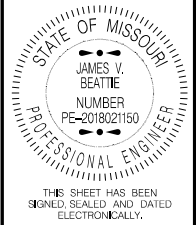


DATE PREPARED	
3/2/2026	
ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	39
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 40

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

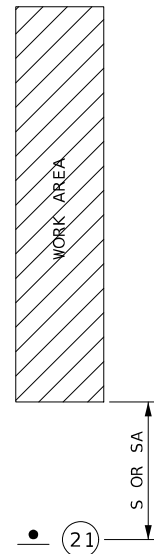
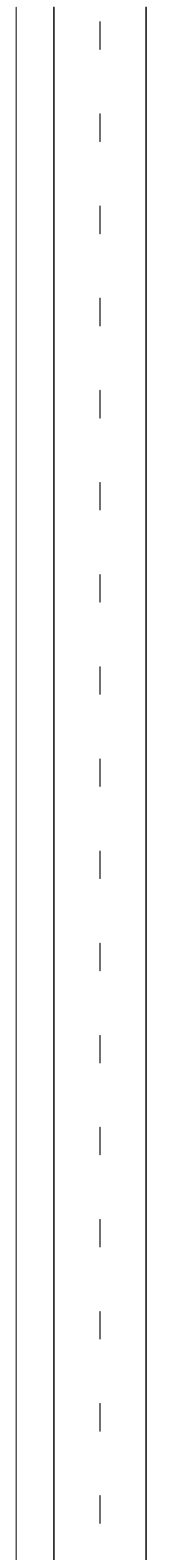
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 6 OF 21



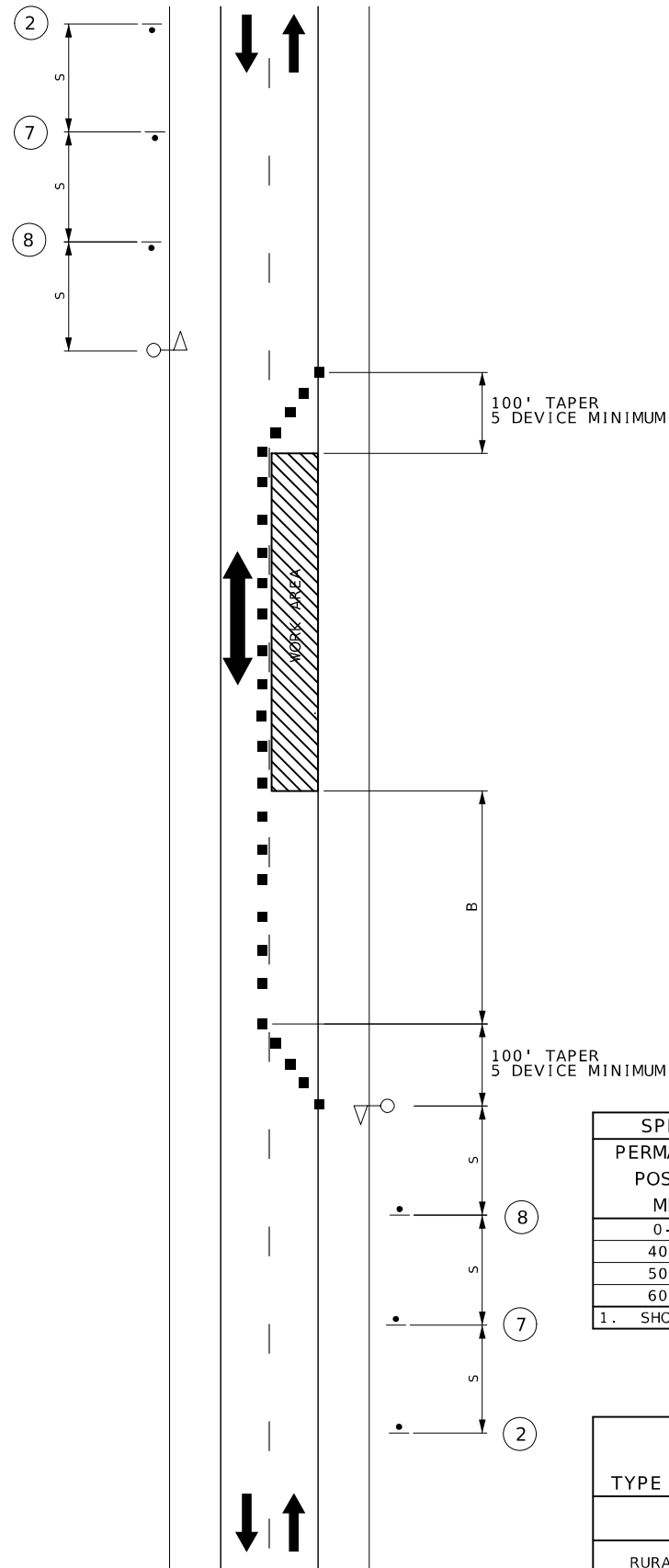
WO21-5
21

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL DIVIDED	1' PORTABLE 7' POST	2 MILES
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILES

SPEED PERMANENT POSTED MPH	SIGN SPACING (FT.)		TAPER LENGTH (FT.)		OPTIONAL BUFFER LENGTH (FT.)	CHANNELIZER SPACING (FT.)	
	UNDIVIDED S	DIVIDED S	SHOULDER (1) T1	LANE (2) T2	B	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	1000	-	-	-	-	-

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

WORK BEYOND THE SHOULDER



TRAFFIC CONTROL LEGEND

- CHANNELIZER
- △ FLAGGER
- SIGN (SINGLE SIDED)



WO20-1

2



WO20-4

7



WO20-7a

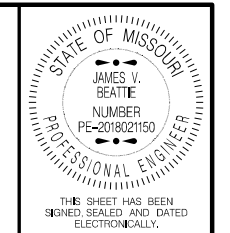
8

SPEED POSTED MPH	SIGN SPACING (FT.) UNDIVIDED S	TAPER LENGTH (FT.)		RECOMMENDED BUFFER LENGTH (FT.) B	CHANNELIZER SPACING (FT.)	
		SHOULDER (1) T1	LANE (2) T2		TAPERS	BUFFER/ WORK AREAS
0-35	200	-	-	250	25	40
40-45	350	-	-	360	25	80
50-55	500	-	-	495	25	80
60-70	1000	-	-	730	25	120

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

TYPE OF ROADWAY	SIGN HEIGHT (MINIMUM)	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILES

FLAGGER CONTROL
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 41

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

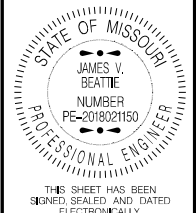
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

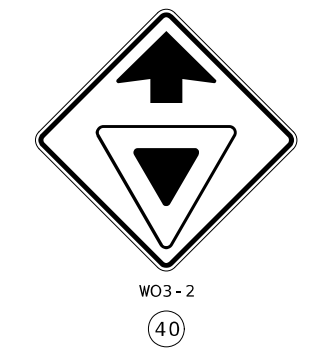
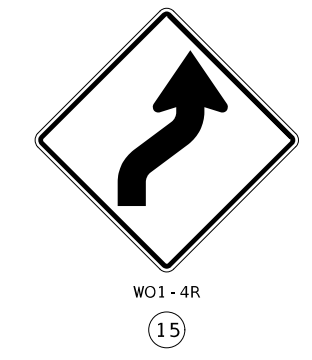
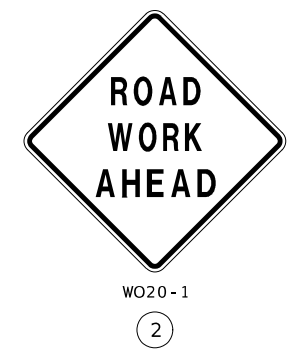
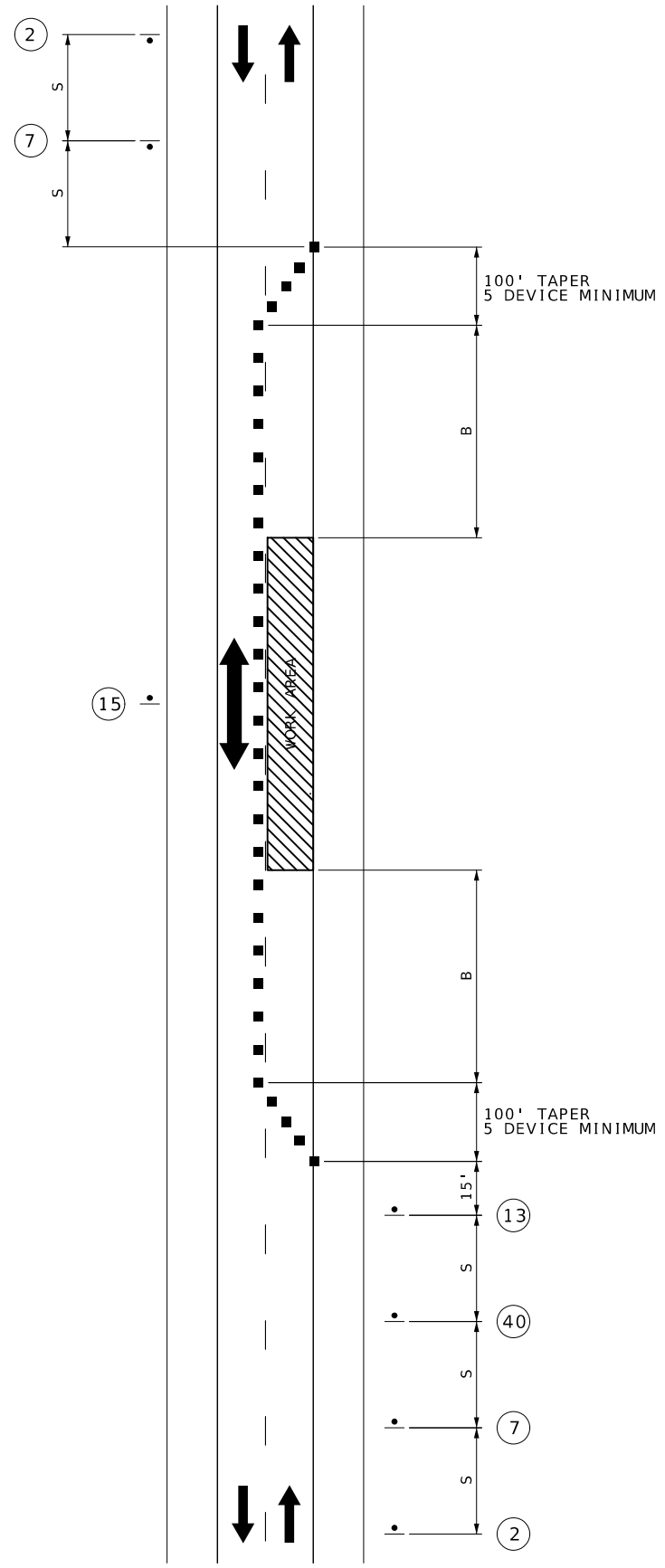
TRAFFIC CONTROL PLAN
SHEET 7 OF 21



DATE PREPARED
2/25/2026
ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 42
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- FLAGGER
- SIGN (SINGLE SIDED)



SPEED PERMANENT POSTED MPH	SIGN SPACING (FT.) UNDIVIDED S		TAPER LENGTH (FT.)		RECOMMENDED BUFFER LENGTH (FT.) B	CHANNELIZER SPACING (FT.)	
	SHOULDER (1) T1	LANE (2) T2	TAPERS	BUFFER / WORK AREAS			
0-35	200	-	250	25	40		
40-45	350	-	360	25	80		
50-55	500	-	495	25	80		
60-70	1000	-	730	25	120		

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

TYPE OF ROADWAY	SIGN HEIGHT (MINIMUM)	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILES

YIELD CONTROL
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION

NOT TO SCALE

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 43

COUNTY
WASHINGTON

JOB NO.
JCD0135

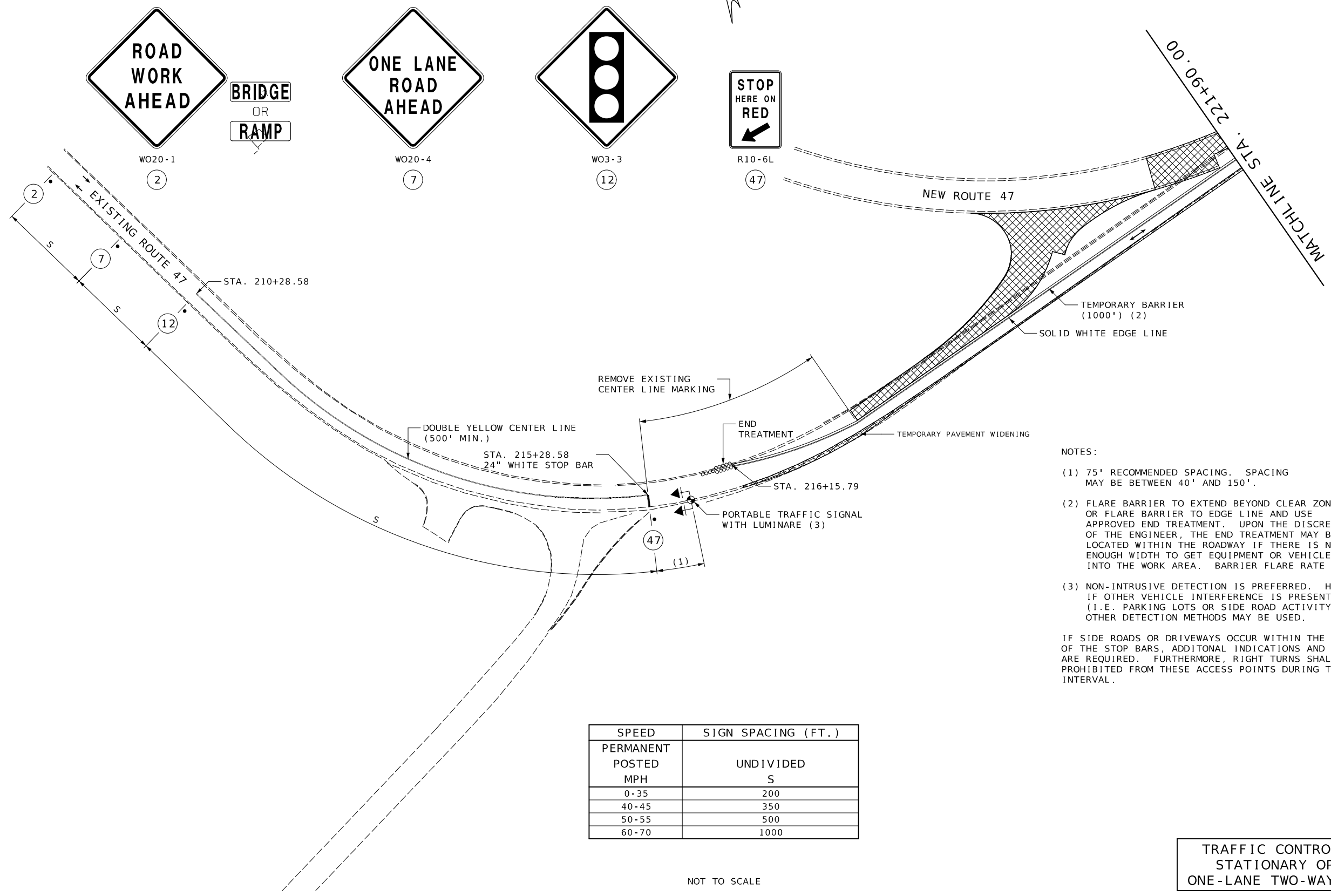
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)



NOTES:

- (1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40' AND 150'.
- (2) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT. UPON THE DISCRETION OF THE ENGINEER, THE END TREATMENT MAY BE LOCATED WITHIN THE ROADWAY IF THERE IS NOT ENOUGH WIDTH TO GET EQUIPMENT OR VEHICLES INTO THE WORK AREA. BARRIER FLARE RATE IS 8:1.
- (3) NON-INTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.

IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FURTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.

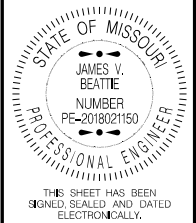
SPEED	SIGN SPACING (FT.)
PERMANENT POSTED MPH	UNDIVIDED S
0-35	200
40-45	350
50-55	500
60-70	1000

NOT TO SCALE

STAGE 2

TRAFFIC CONTROL SIGNALS
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION

DATE	DESCRIPTION



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 44

COUNTY
WASHINGTON

JOB NO.
JCD0135

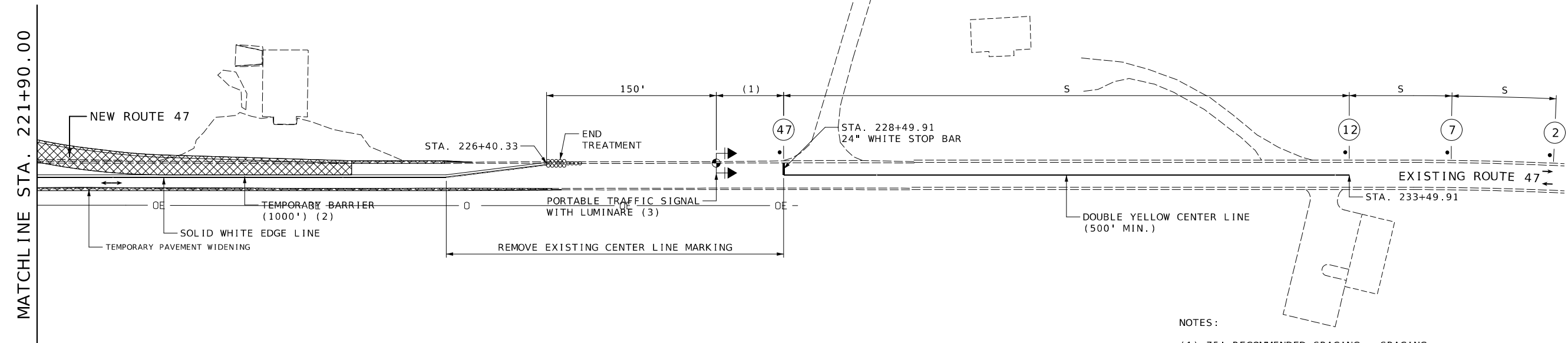
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)



- NOTES:
- (1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40' AND 150'.
 - (2) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT. UPON THE DISCRETION OF THE ENGINEER, THE END TREATMENT MAY BE LOCATED WITHIN THE ROADWAY IF THERE IS NOT ENOUGH WIDTH TO GET EQUIPMENT OR VEHICLES INTO THE WORK AREA. BARRIER FLARE RATE IS 8:1.
 - (3) NON-INTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.

IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FURTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.

SPEED POSTED MPH	SIGN SPACING (FT.) UNDIVIDED S
0-35	200
40-45	350
50-55	500
60-70	1000

NOT TO SCALE

STAGE 2

TRAFFIC CONTROL SIGNALS
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION

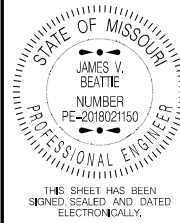
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

TRAFFIC CONTROL PLAN
SHEET 10 OF 21



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 45

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

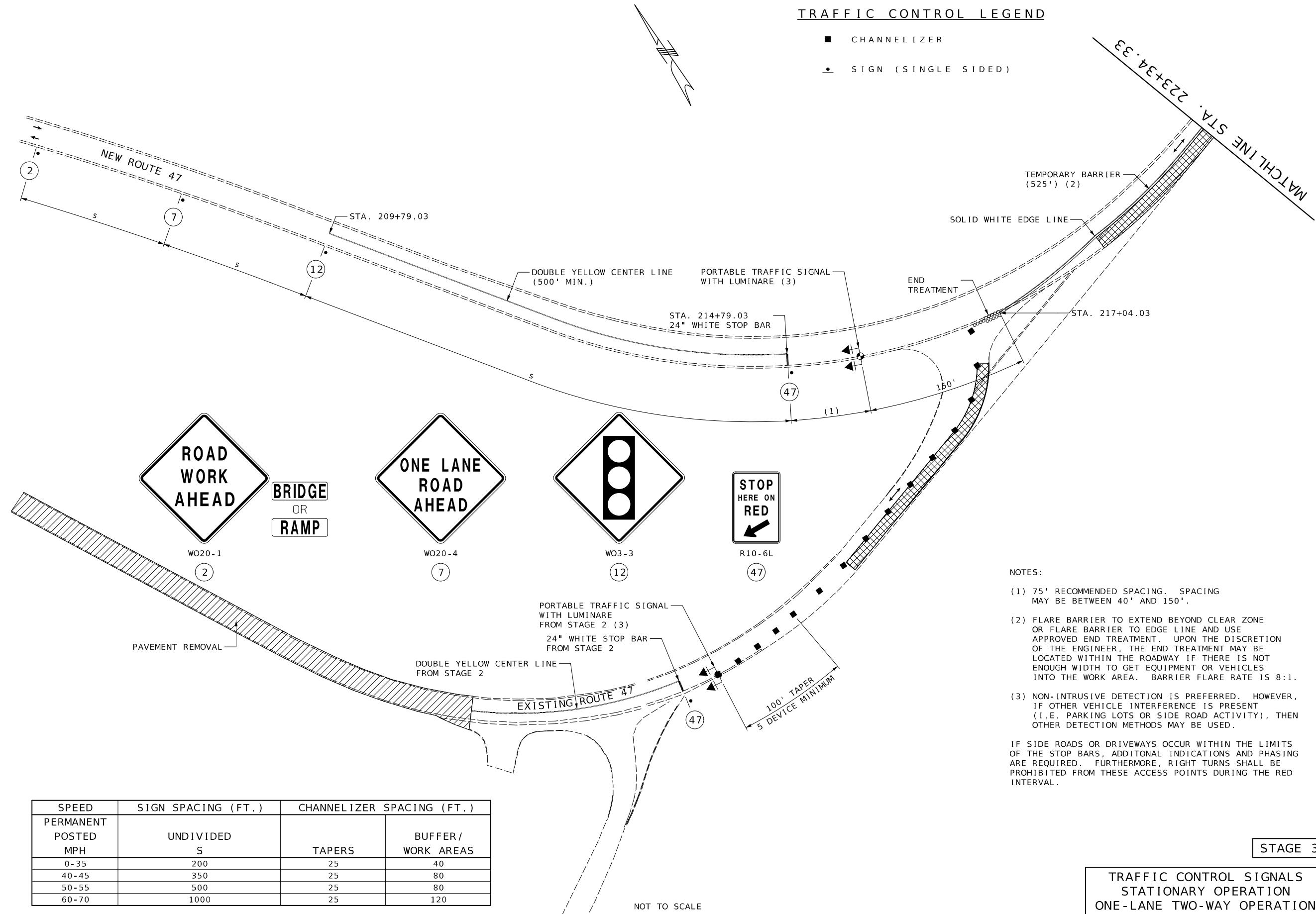
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 11 OF 21

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- SIGN (SINGLE SIDED)



NOTES:

- (1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40' AND 150'.
- (2) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT. UPON THE DISCRETION OF THE ENGINEER, THE END TREATMENT MAY BE LOCATED WITHIN THE ROADWAY IF THERE IS NOT ENOUGH WIDTH TO GET EQUIPMENT OR VEHICLES INTO THE WORK AREA. BARRIER FLARE RATE IS 8:1.
- (3) NON-INTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.

IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FURTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.

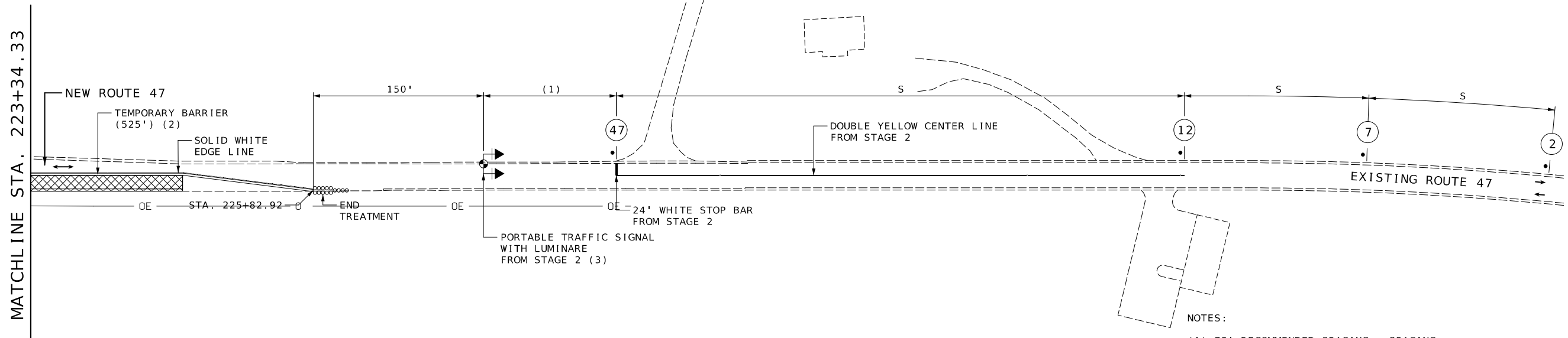
SPEED PERMANENT POSTED MPH	SIGN SPACING (FT.)		CHANNELIZER SPACING (FT.)	
	UNDIVIDED S		TAPERS	BUFFER/ WORK AREAS
0-35	200		25	40
40-45	350		25	80
50-55	500		25	80
60-70	1000		25	120

NOT TO SCALE

STAGE 3
TRAFFIC CONTROL SIGNALS
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)



NOTES:

- (1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40' AND 150'.
- (2) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT. UPON THE DISCRETION OF THE ENGINEER, THE END TREATMENT MAY BE LOCATED WITHIN THE ROADWAY IF THERE IS NOT ENOUGH WIDTH TO GET EQUIPMENT OR VEHICLES INTO THE WORK AREA. BARRIER FLARE RATE IS 8:1.
- (3) NON-INTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.

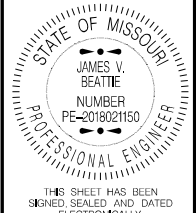
IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FURTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.

SPEED POSTED MPH	SIGN SPACING (FT.) UNDIVIDED S
0-35	200
40-45	350
50-55	500
60-70	1000

NOT TO SCALE

STAGE 3

TRAFFIC CONTROL SIGNALS
STATIONARY OPERATION
ONE-LANE TWO-WAY OPERATION



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 46

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 12 OF 21

MATCHLINE STA. 223+34.33



WO20-3
(20)



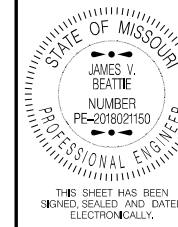
R11-2
(29) (1)



WO20-3
(57)

TRAFFIC CONTROL LEGEND

- BARRICADE
- CHANGEABLE MESSAGE BOARD
- SIGN (SINGLE SIDED)



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 47

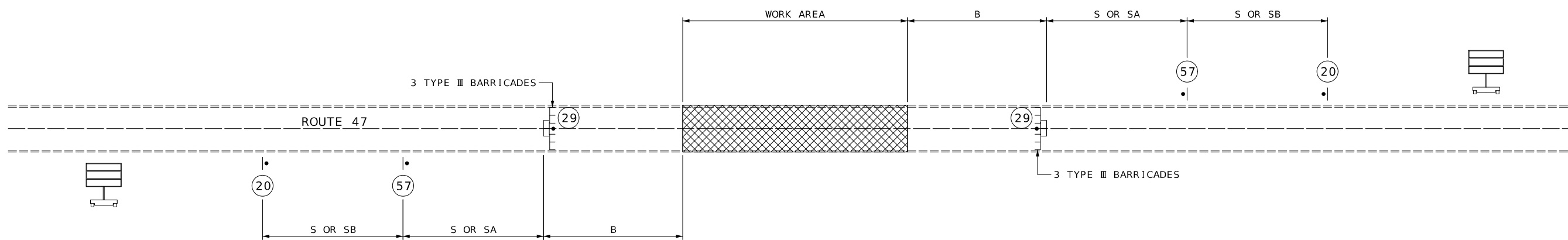
COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



SPEED POSTED (MPH)	SIGN SPACING (FT.)		RECOMMENDED BUFFER LENGTH (FT.)
	UNDIVIDED (S)	DIVIDED (S)	(B)
0-35	200	200	250
40-45	350	500	360
50-55	500	1000	495
60-70	1000	SA - 1000	730
		SB - 1500	
		SC - 2640	

TYPE OF ROADWAY	SIGN HEIGHT (MINIMUM)
URBAN	1' PORTABLE 7' POST
RURAL DIVIDED	1' PORTABLE 7' POST
RURAL UNDIVIDED	1' PORTABLE 5' POST

NOTES:

(1) USE LIGHTWEIGHT ROAD CLOSED SIGN PLACED ON THE CENTER BARRICADE LOCATED AT THE FULL CLOSURE OR PLACE RIGID SIGN 7 TO 10 FEET BEHIND THE BARRICADES AT THE SIGN HEIGHT APPROPRIATE FOR THE ROADWAY TYPE.

ONE BARRICADE SHOULD BE REQUIRED TO COMPLETELY CLOSE EACH 8-FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA TO BE CLOSED.

THE LOCATION OF THE CHANGEABLE MESSAGE BOARDS WILL BE APPROVED BY THE ENGINEER.

SIGN SPACING MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

DESCRIPTION

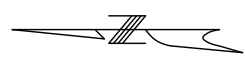
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



TRAFFIC CONTROL PLAN
SHEET 13 OF 21

ROAD CLOSURE



WO20-3
20



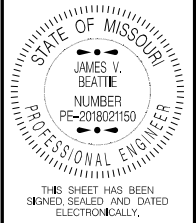
R11-3a
55A



WO20-3
57

TRAFFIC CONTROL LEGEND

- BARRICADE
- SIGN (SINGLE SIDED)



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 48

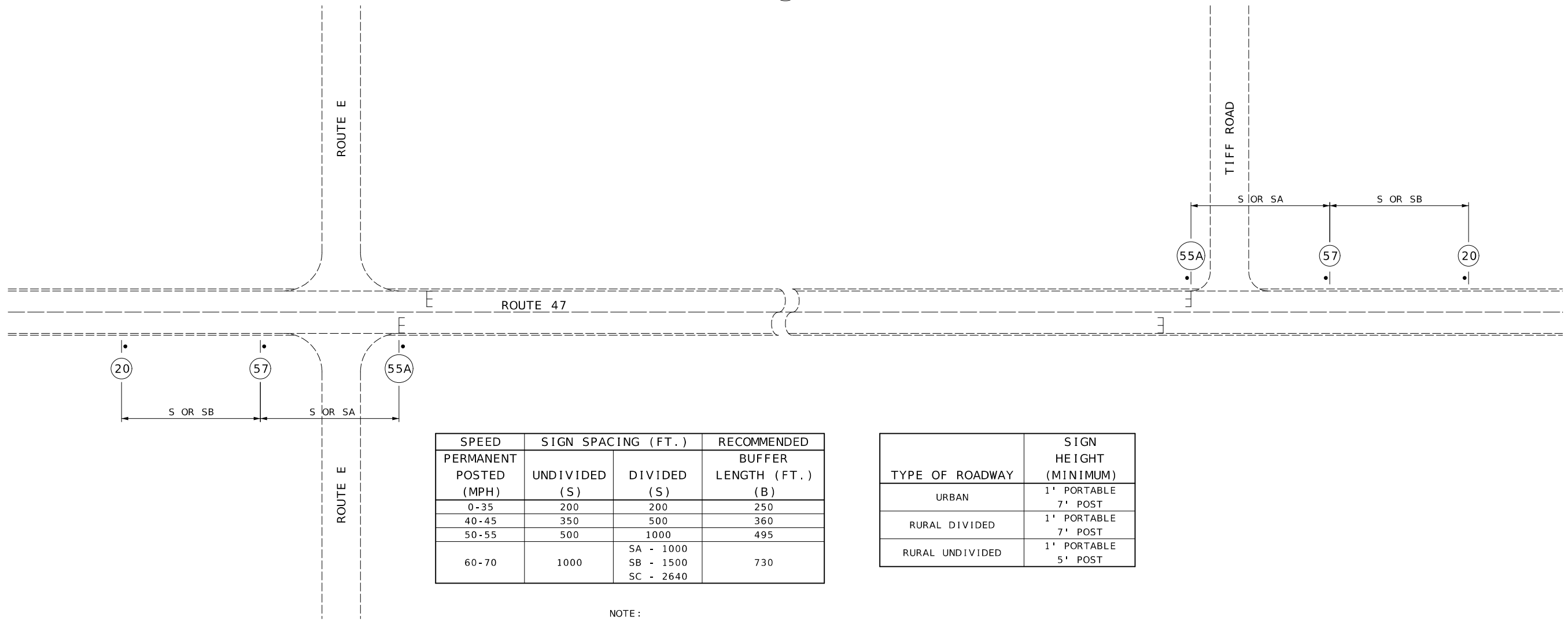
COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



SPEED PERMANENT POSTED (MPH)	SIGN SPACING (FT.)		RECOMMENDED BUFFER LENGTH (FT.) (B)
	UNDIVIDED (S)	DIVIDED (S)	
0-35	200	200	250
40-45	350	500	360
50-55	500	1000	495
60-70	1000	SA - 1000 SB - 1500 SC - 2640	730

TYPE OF ROADWAY	SIGN HEIGHT (MINIMUM)
URBAN	1' PORTABLE 7' POST
RURAL DIVIDED	1' PORTABLE 7' POST
RURAL UNDIVIDED	1' PORTABLE 5' POST

NOTE:
SIGN SPACING MAY BE ADJUSTED TO MEET FIELD CONDITIONS.

SOFT ROAD CLOSURE

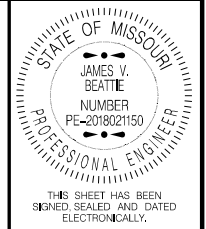
NOT TO SCALE

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 14 OF 21



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 49

COUNTY
WASHINGTON

JOB NO.
JCD0135

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)

TRAFFIC CONTROL PLAN
SHEET 15 OF 21



WO20-2
18

DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR
MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8	MO4-8
NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH
M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-3	M3-3	M3-3	M3-3	M3-3	M3-3	M3-3
47	47	47	47	47	47	47	47	47	47	47	47	47	47
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
↑	↗	→	↖	←	↗	↖	↑	↗	→	↖	←	↗	↖
M6-3	M5-1R	M6-1	M5-1L	M6-1	M5-2R	M6-2R	M6-3	M5-1R	M6-1	M5-1L	M6-1	M5-2R	M6-2R
50A	50B	50C	50D	50E	50L	50M	50F	50G	50H	50J	50K	50N	50P

END DETOUR	ROAD CLOSED 4 MILES AHEAD LOCAL TRAFFIC ONLY
MO4-8a	R11-3a
52	55B

NORTH	CLOSED 11 MILES AHEAD
47	
SPECIAL	
56A	

SOUTH	CLOSED 4 MILES AHEAD
47	
SPECIAL	
56B	

NORTH	CLOSED 11 MILES NORTH OF	67
47		
SPECIAL		
56C		

NOTE:
SEE SHEET 55 FOR SIGN 56A, SIGN 56B, AND SIGN 56C DIMENSIONS.

ROUTE 47
DETOUR SIGNING



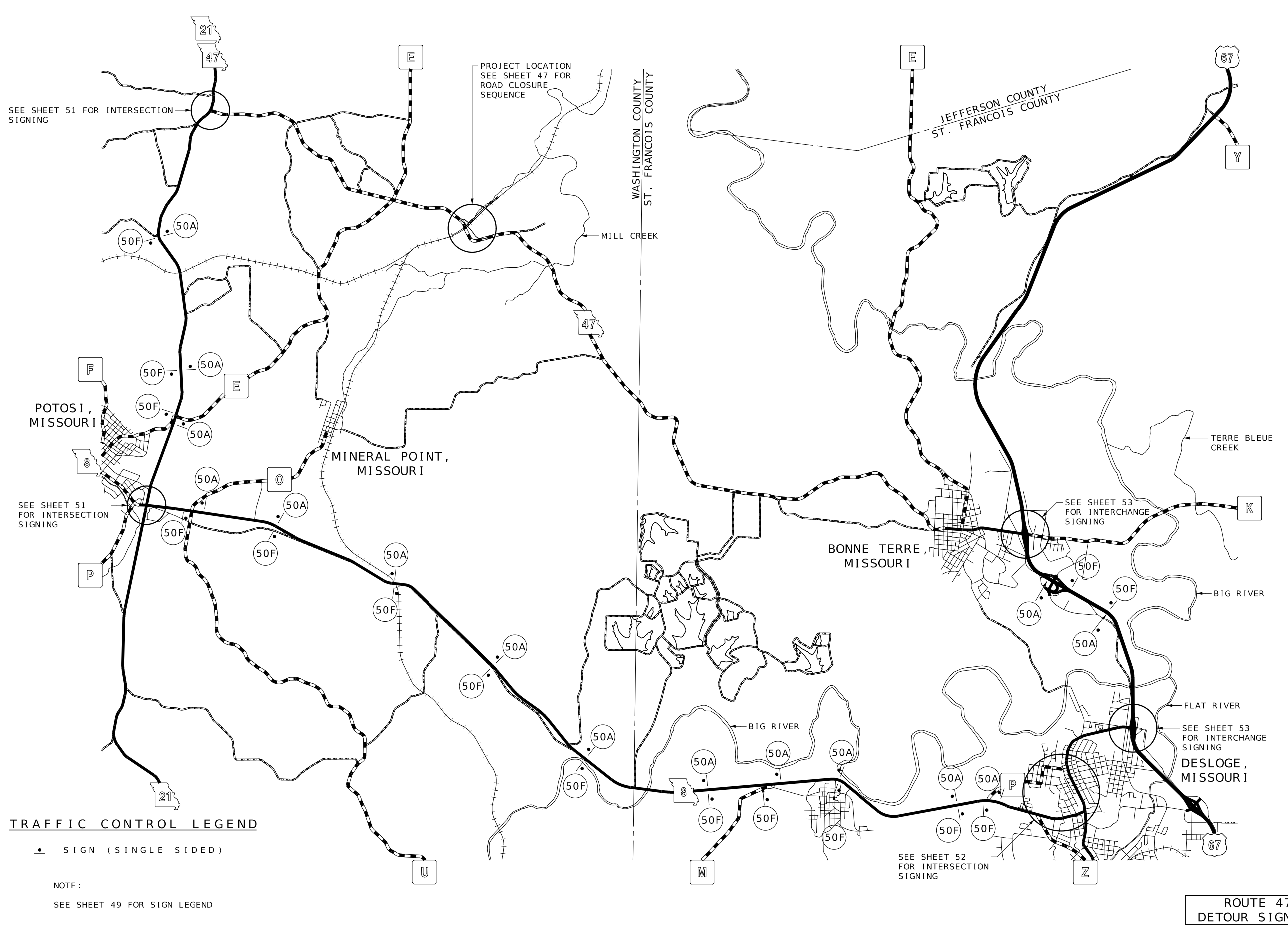
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 50
COUNTY WASHINGTON	
JOB NO. JCD0135	
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)

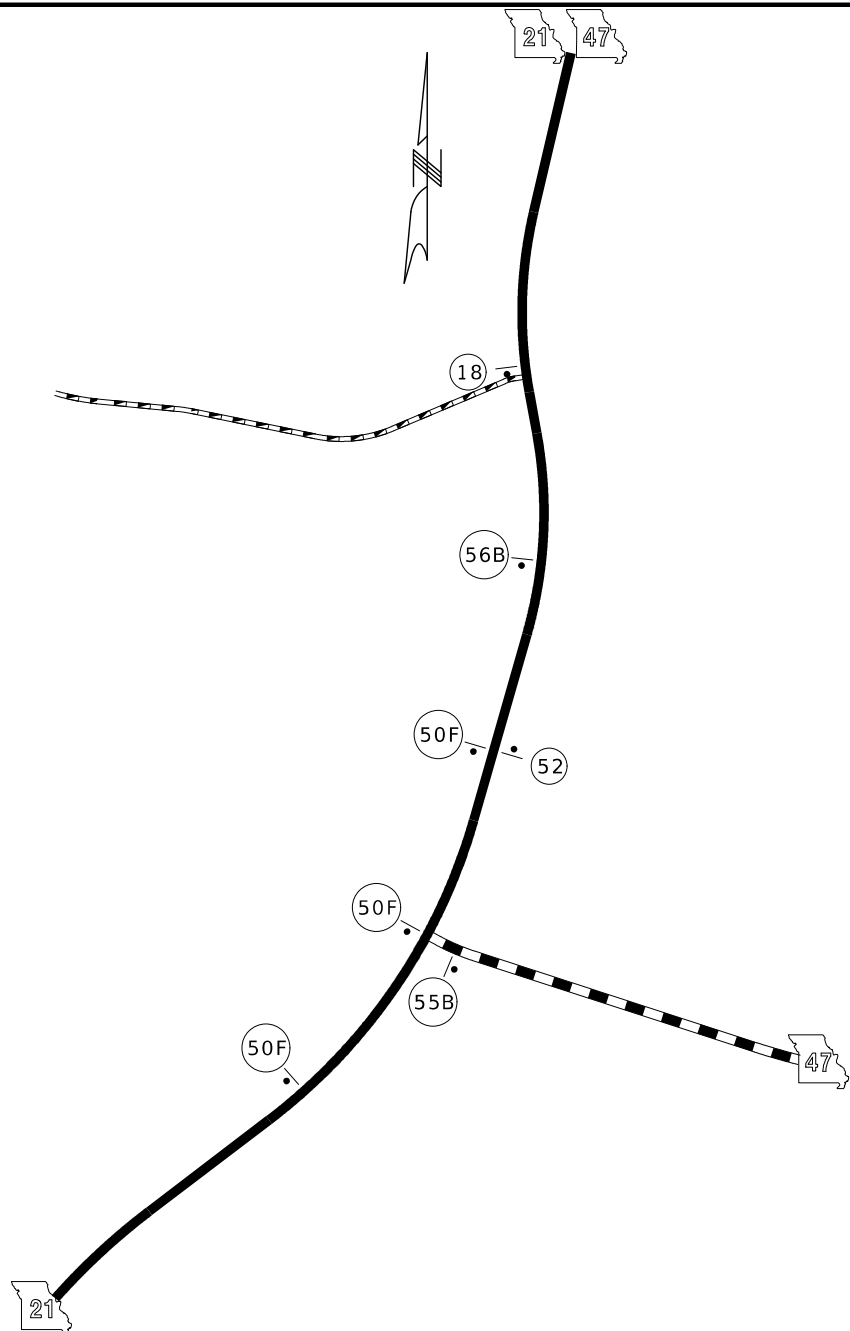
TRAFFIC CONTROL PLAN
SHEET 16 OF 21



TRAFFIC CONTROL LEGEND
● SIGN (SINGLE SIDED)
NOTE:
SEE SHEET 49 FOR SIGN LEGEND

ROUTE 47
DETOUR SIGNING

NOT TO SCALE



TRAFFIC CONTROL LEGEND

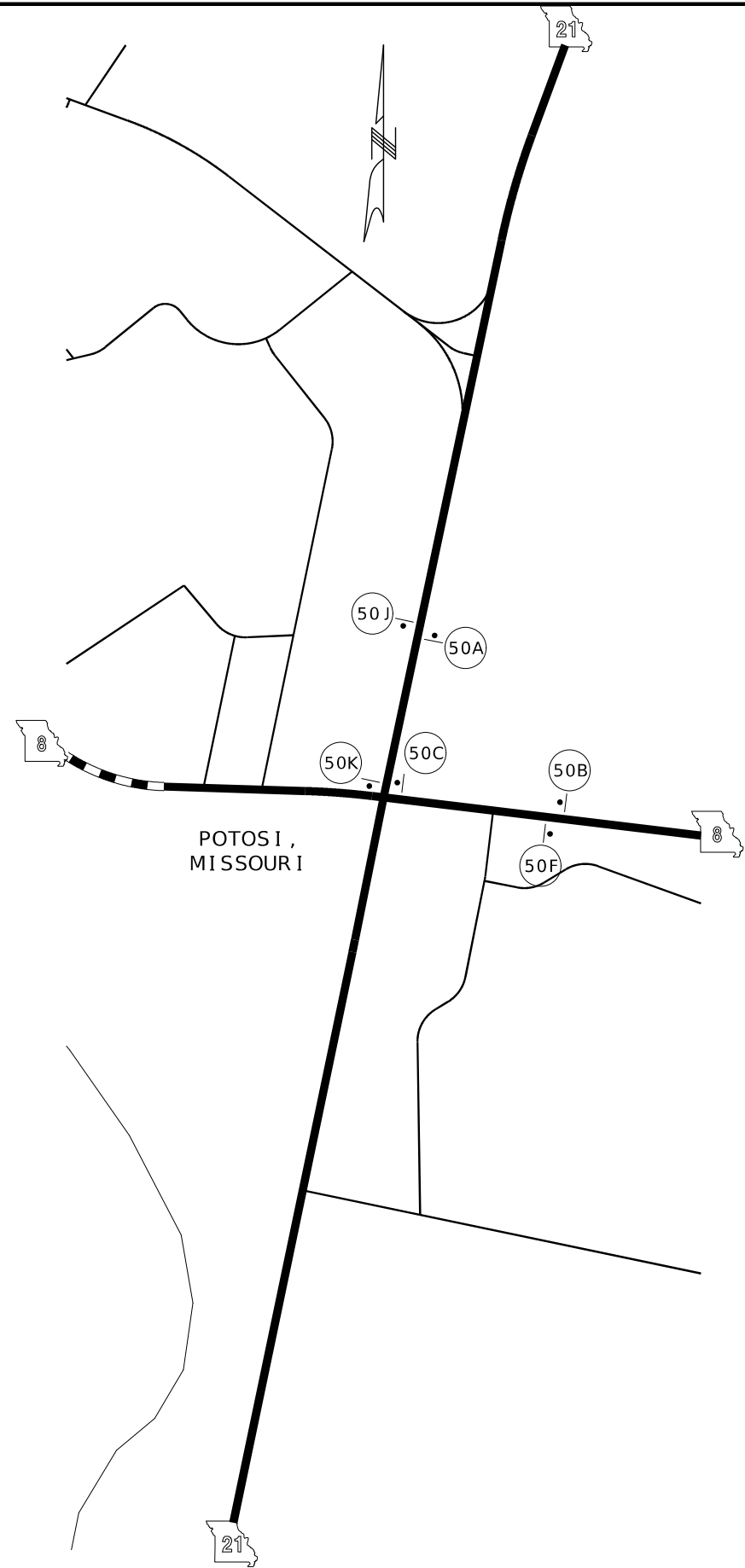
• SIGN (SINGLE SIDED)

NOTE:

SEE SHEET 49 FOR SIGN LEGEND

ROUTE 47 AND ROUTE 21
INTERSECTION

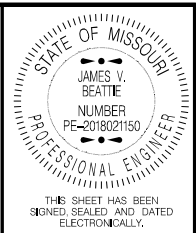
NOT TO SCALE



POTOSI,
MISSOURI

ROUTE 21 AND ROUTE 8
INTERSECTION

ROUTE 47
DETOUR SIGNING



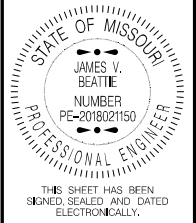
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 51
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 17 OF 21



DATE PREPARED
 2/25/2026

ROUTE STATE
 47 MO

DISTRICT SHEET NO.
 CD 52

COUNTY
 WASHINGTON

JOB NO.
 JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

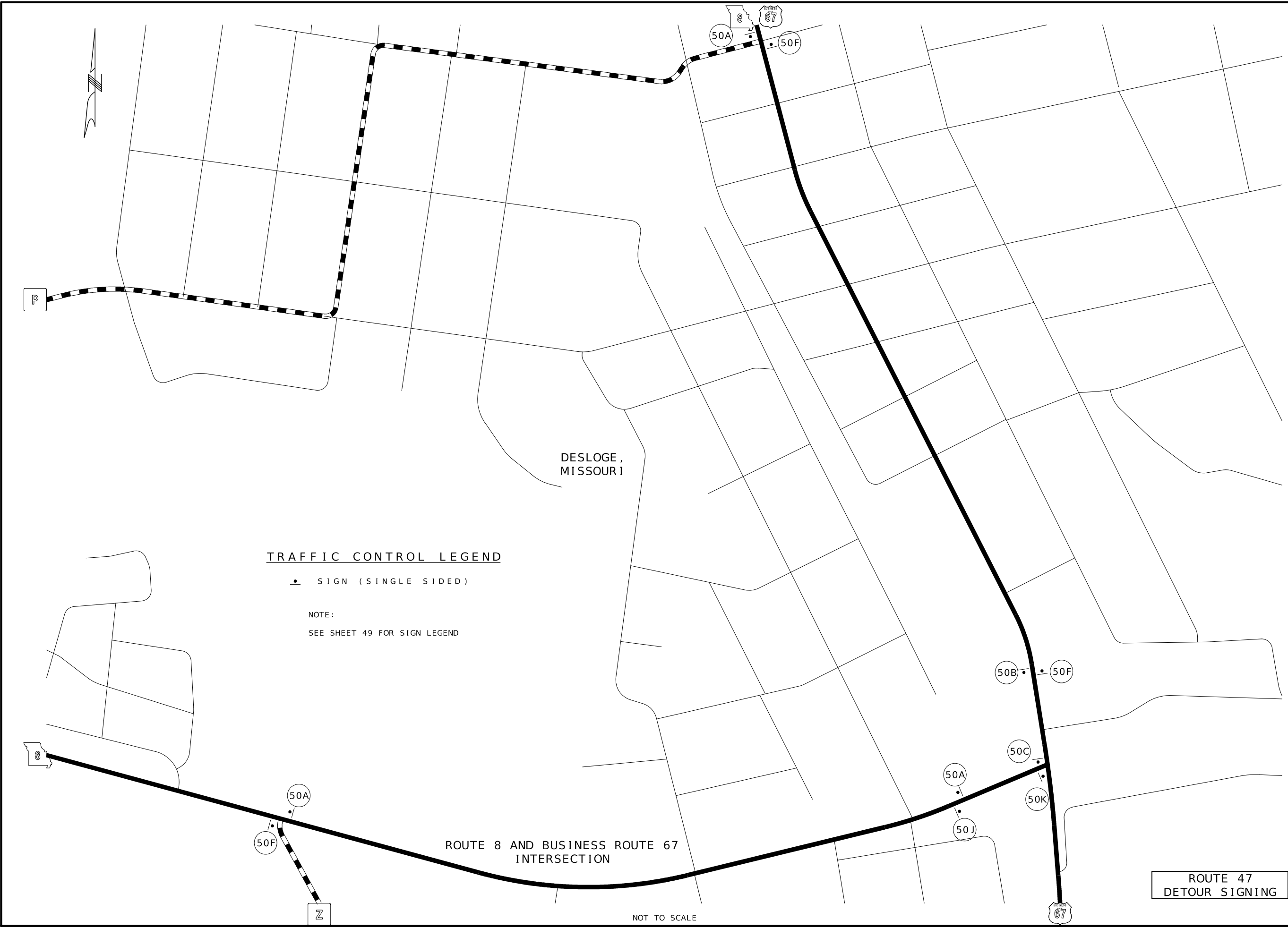
DATE	DESCRIPTION

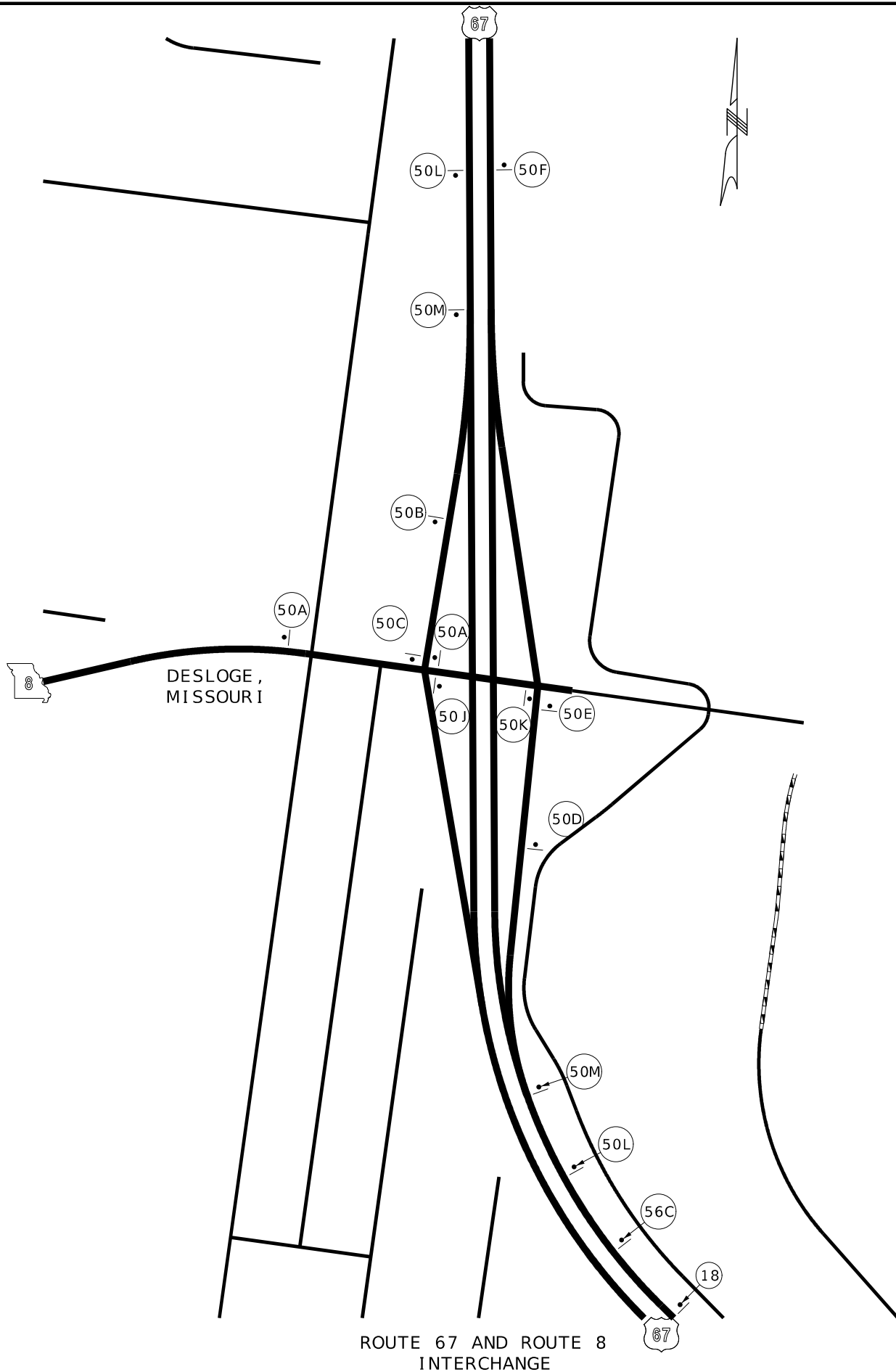
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

MoDOT

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

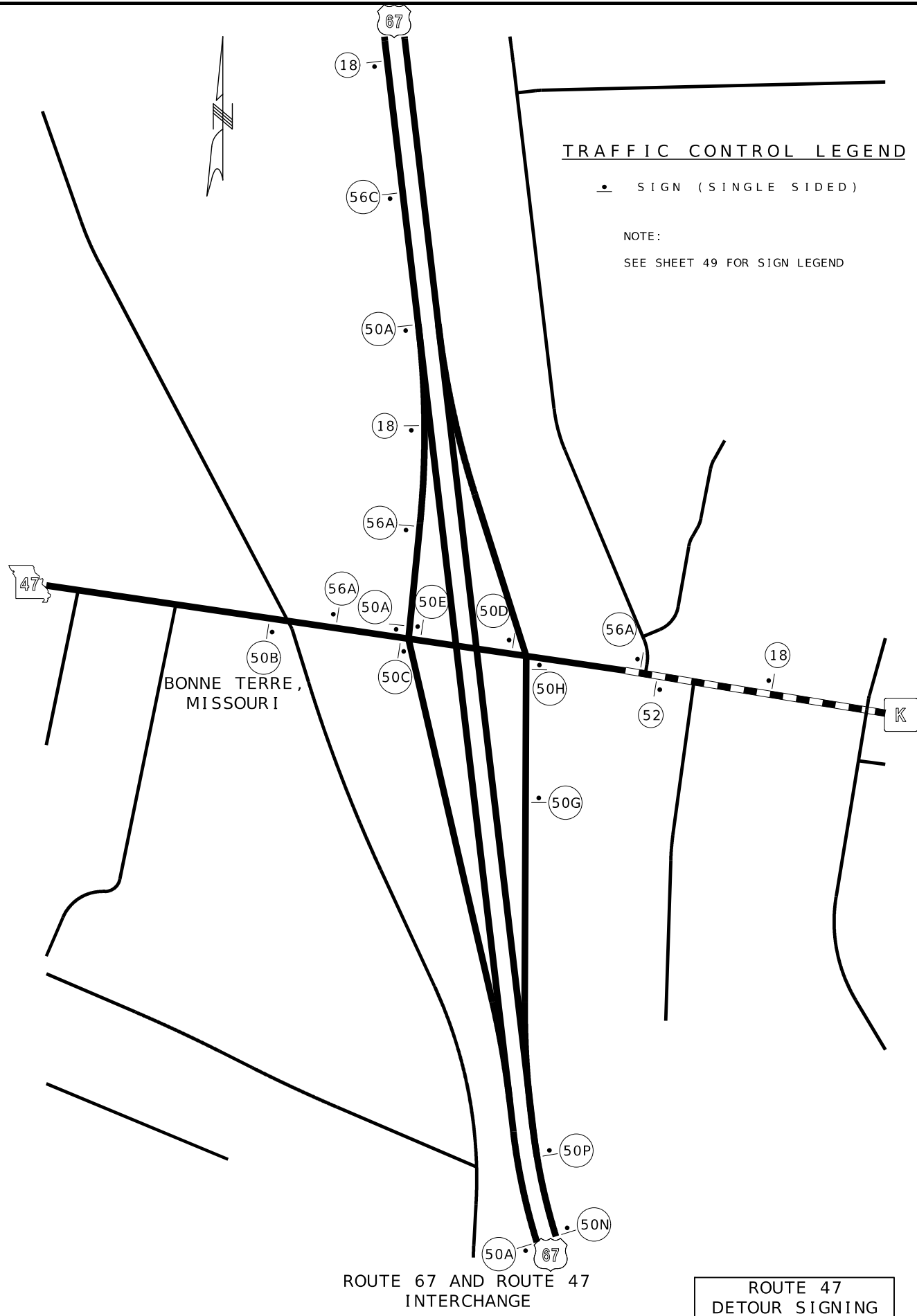
TRAFFIC CONTROL PLAN
 SHEET 18 OF 21





ROUTE 67 AND ROUTE 8 INTERCHANGE

NOT TO SCALE



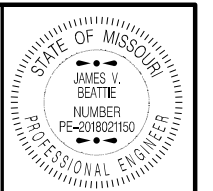
ROUTE 67 AND ROUTE 47 INTERCHANGE

ROUTE 47 DETOUR SIGNING

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

NOTE:
SEE SHEET 49 FOR SIGN LEGEND



DATE PREPARED
2/25/2026

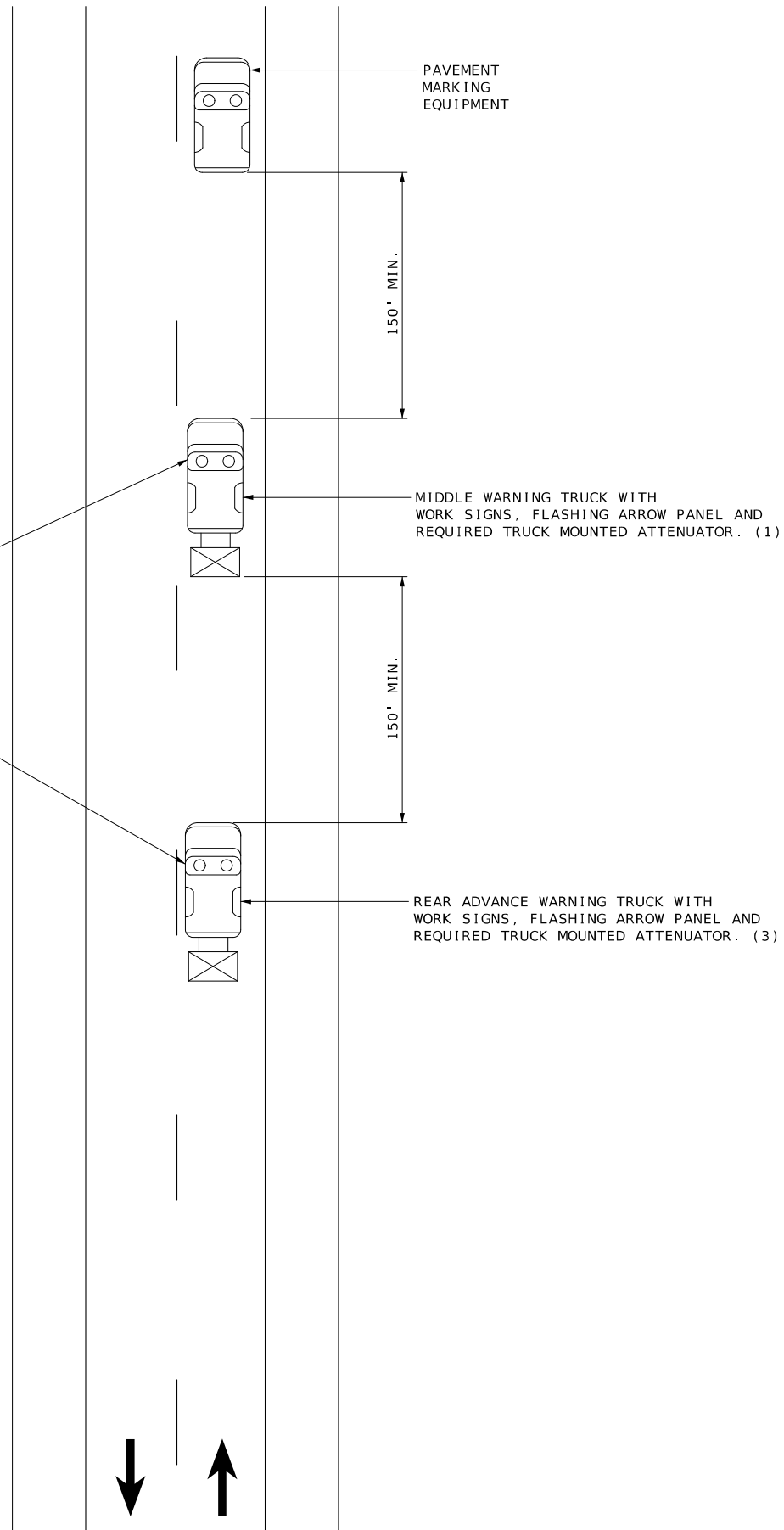
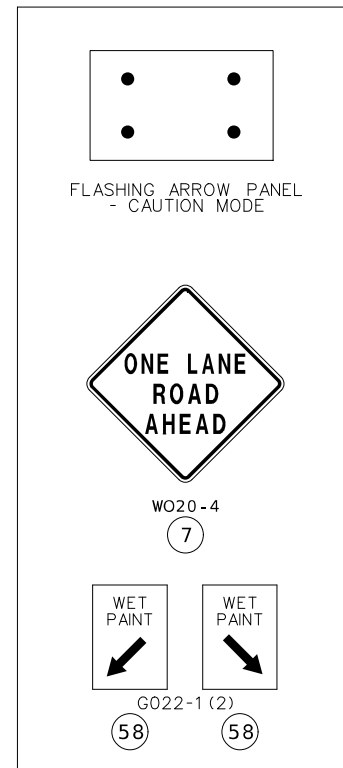
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 53
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN
SHEET 19 OF 21



NOTES:

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

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

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

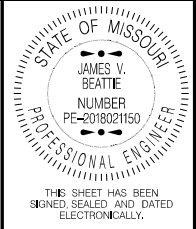
VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD ARE MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

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

(3) REAR WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN, WHICHEVER IS GREATER.



DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 54
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

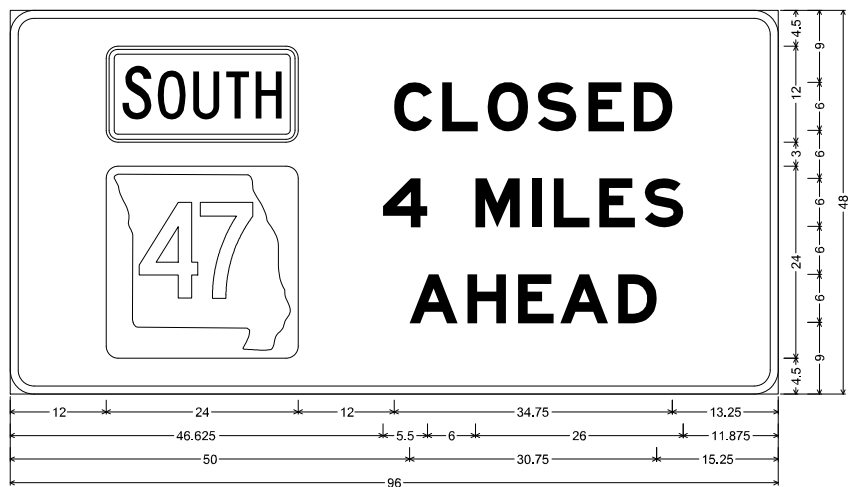
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN
SHEET 20 OF 21

STRIPING OPERATION

NOT TO SCALE

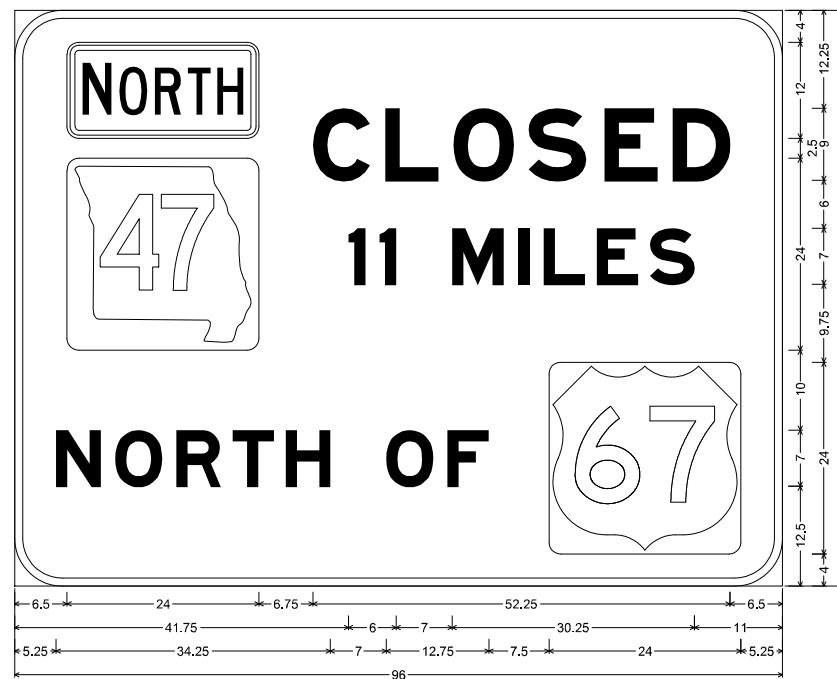
56B



MO4-13 SHF-FLAT SHEET FLUORESCENT:
3,000" Radius, 1,000" Border, Black on, Orange;
"CLOSED", E Mod; "4 MILES", E Mod; "AHEAD", E Mod;
Table of letter and object lefts

12.000	C	L	O	S	E	D
48.000	48.000	54.000	59.750	66.000	72.250	78.000
12.000	4	M	I	L	E	S
46.625	46.625	58.125	65.250	68.000	73.625	79.375
50.000	A	H	E	A	D	
57.125	57.125	63.500	68.750	76.000		

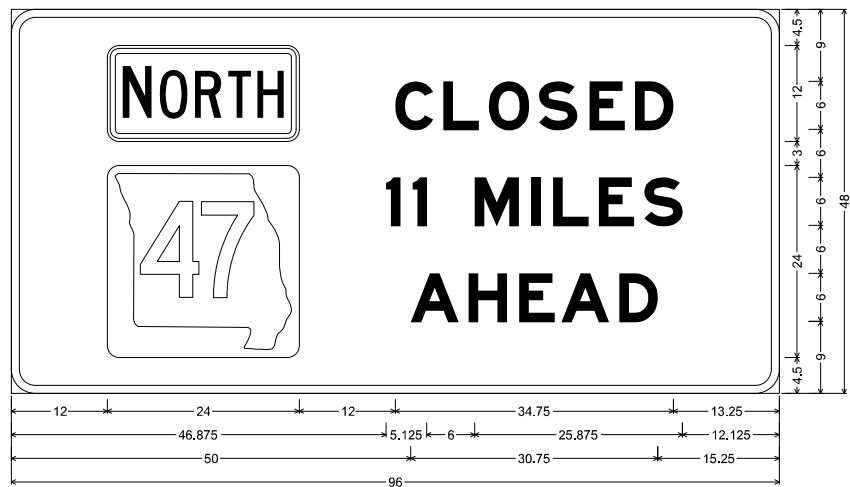
56C



SPECIAL SHF-FLAT SHEET FLUORESCENT:
6,000" Radius, 1,000" Border, Black on, Orange;
"CLOSED", E Mod; "11" E Mod " " D "MILES", E Mod; "NORTH OF", E Mod;
Table of letter and object lefts

6.500	C	L	O	S	E	D
37.250	37.250	46.375	54.875	64.250	73.750	82.250
6.500	I	M	I	L	E	S
41.750	41.750	45.625	54.750	63.000	66.125	72.750
5.250	N	O	R	T	H	O
12.625	12.625	20.250	27.250	33.875	46.500	54.125
						66.750

56A



MO4-13 SHF-FLAT SHEET FLUORESCENT:
3,000" Radius, 1,000" Border, Black on, Orange;
"CLOSED", E Mod; "11 MILES", E Mod; "AHEAD", E Mod;
Table of letter and object lefts

12.000	C	L	O	S	E	D
48.000	48.000	54.000	59.750	66.000	72.250	78.000
12.000	I	M	I	L	E	S
46.875	46.875	50.125	58.000	67.750	73.500	79.125
50.000	A	H	E	A	D	
57.125	57.125	63.500	68.750	76.000		

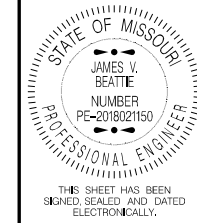
60



CONST-5 SHF-FLAT SHEET:
3,000" Radius, 1,000" Border, White on, Green;
"Safety", D; "Improvements", D; "Winter 2027", D;
Table of letter and object lefts

7.500	S	I	M	P	R	O	V	E	M	E	N	I	S	S
14.500	14.500	20.875	25.250	31.125	36.000	45.250	51.750	61.375	68.000	74.375	79.125			
7.500	W	I	N	T	E	R	2	0	2	7				
37.250	37.250	43.875	46.750	51.625	55.375	60.250	68.875	74.000	76.375	84.500				

SIGN DIMENSION
DETAILS



DATE PREPARED
3/2/2026
ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 55
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

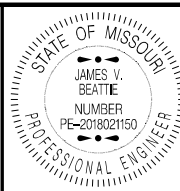
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN
SHEET 21 OF 21

P.I 215+02.00
 Δ - 78°50' LT.
 D - 12°59'39.2"
 L - 606.68'
 T - 362.40'
 R - 440.93' (ARC)

TEMPORARY EROSION CONTROL LEGEND

-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  SILT FENCE



THIS SHEET HAS BEEN
 SIGNED, SEALED AND DATED
 ELECTRONICALLY.

DATE PREPARED
 2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 56

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

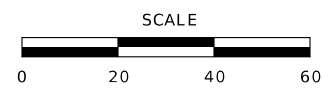
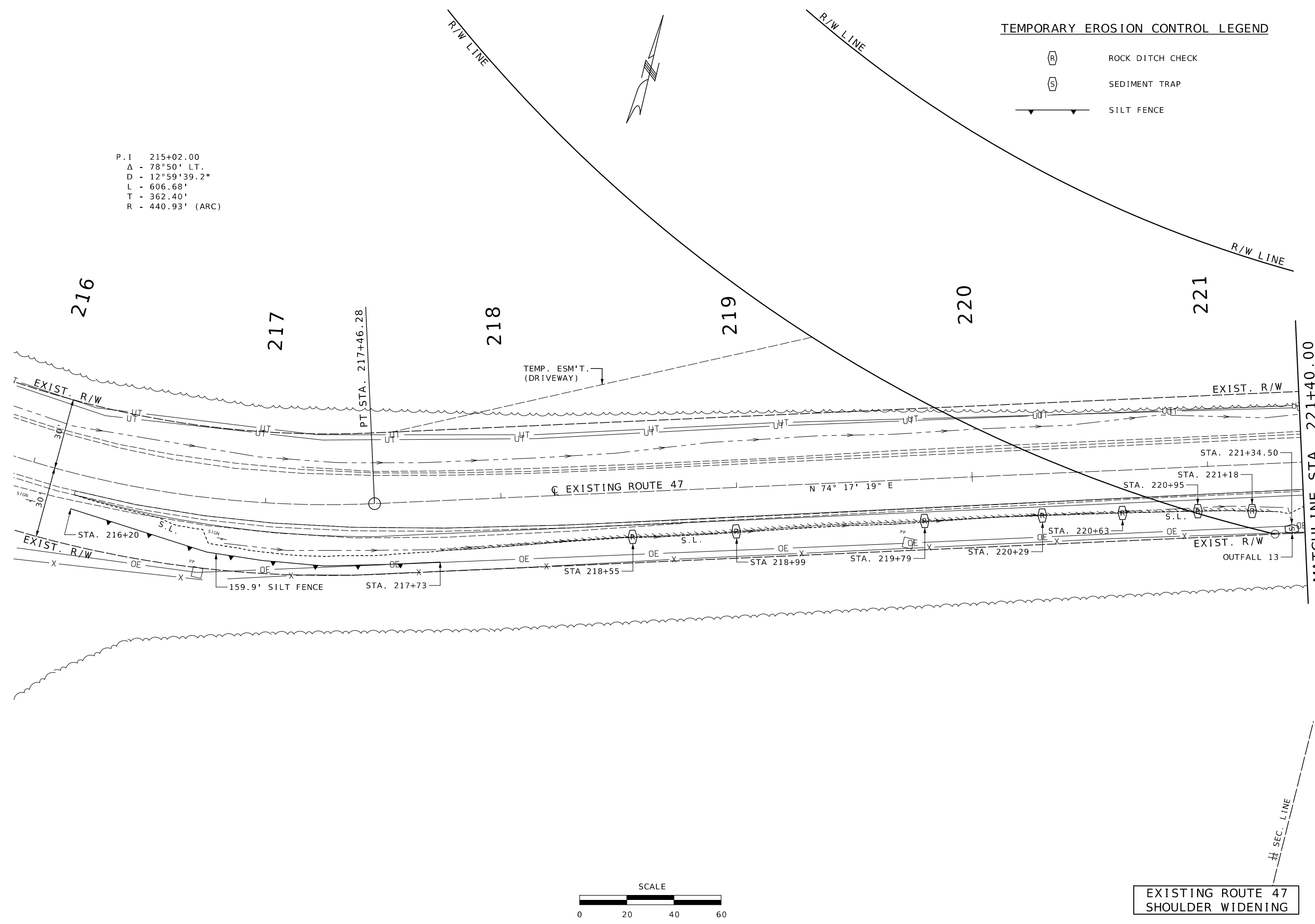
DATE

MOISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

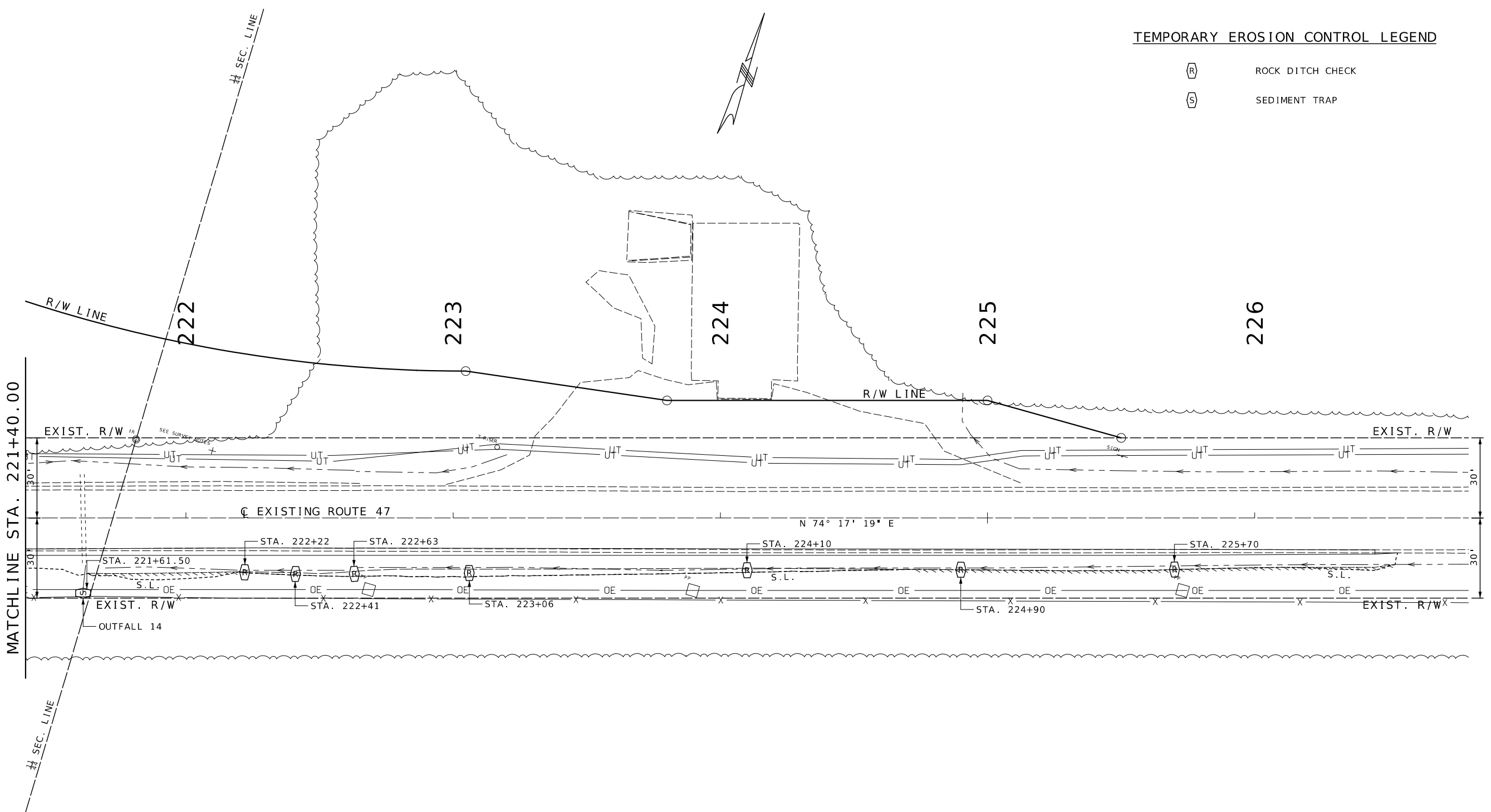
1-888-ASK-MODOT (1-888-275-6636)

EROSION CONTROL SHEET 1 OF 18





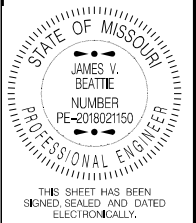
EXISTING ROUTE 47
 SHOULDER WIDENING

SEC. LINE



TEMPORARY EROSION CONTROL LEGEND

-  ROCK DITCH CHECK
-  SEDIMENT TRAP



DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 57
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

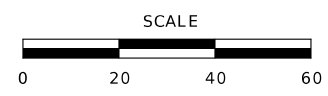
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

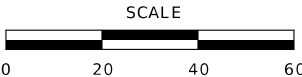
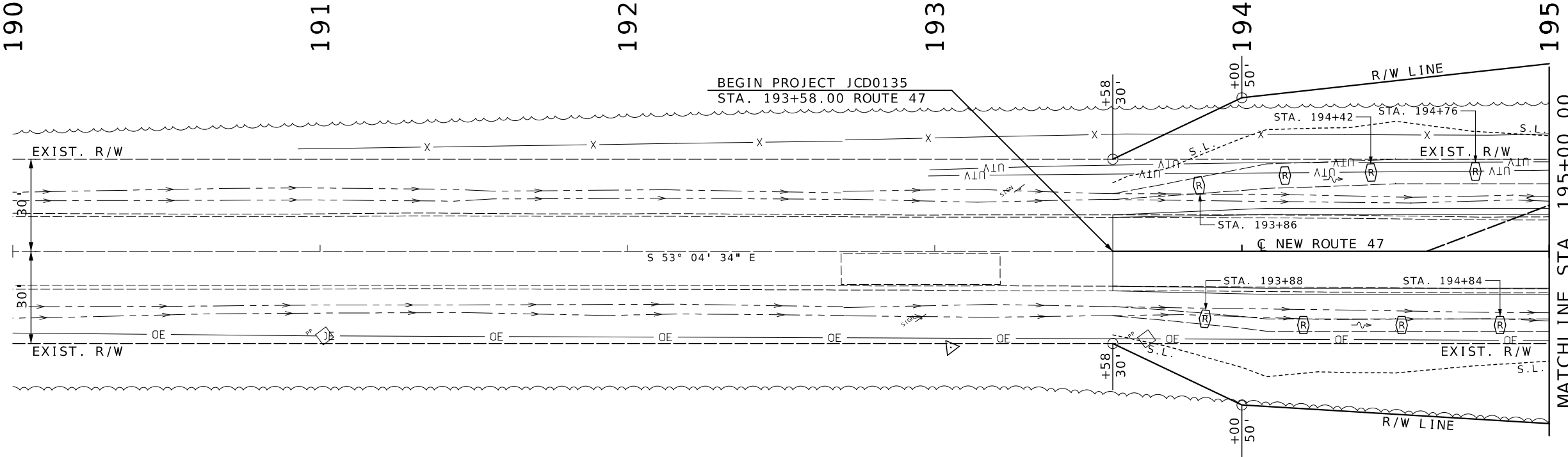
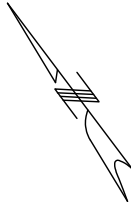
EROSION CONTROL
SHEET 2 OF 18



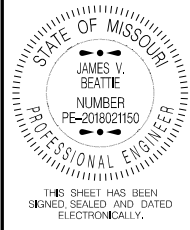
EXISTING ROUTE 47
SHOULDER WIDENING

TEMPORARY EROSION CONTROL LEGEND

(R) ROCK DITCH CHECK



NEW ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 58
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

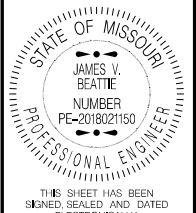
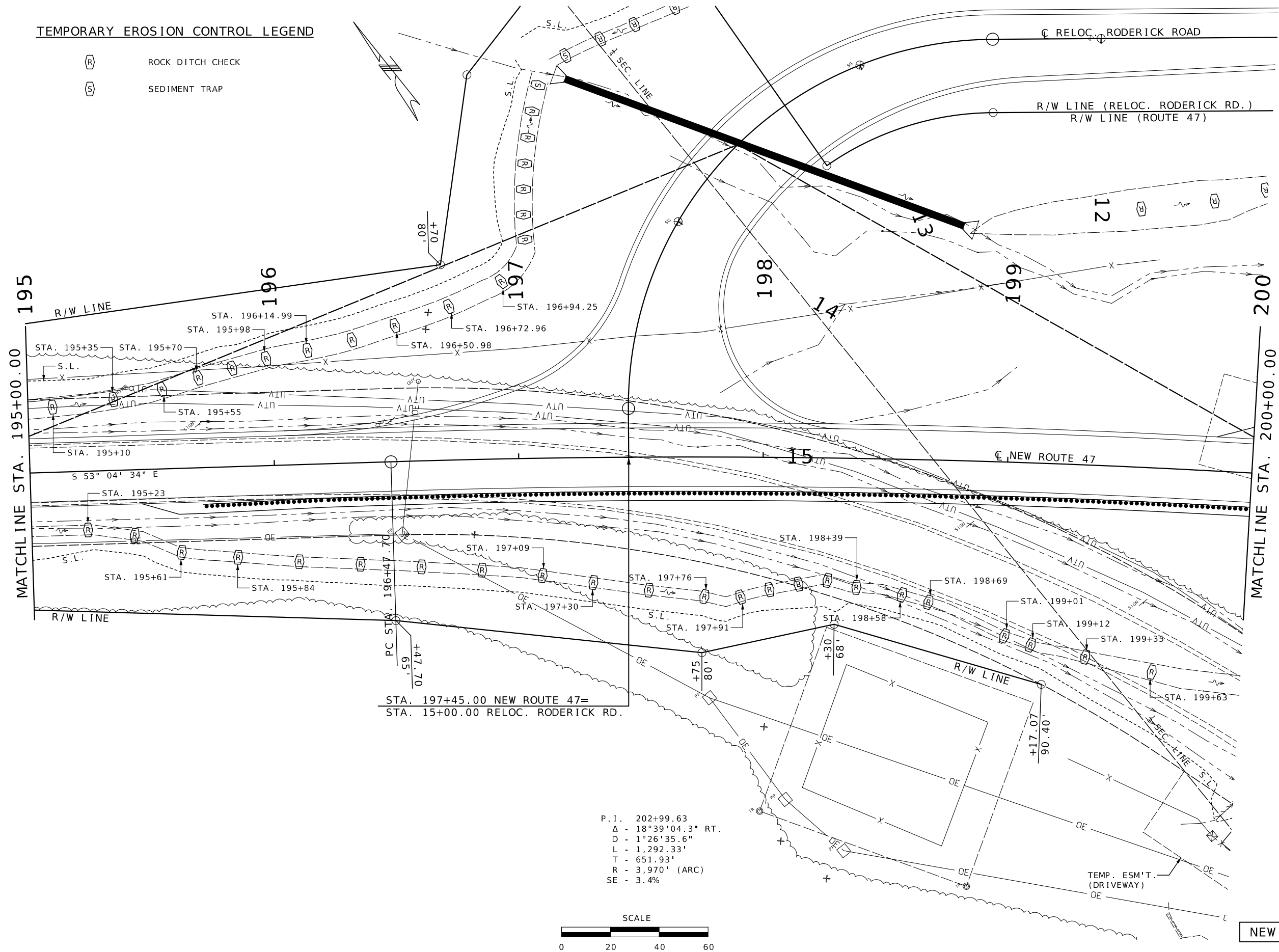
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL
SHEET 3 OF 18

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP



DATE PREPARED
2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	59

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

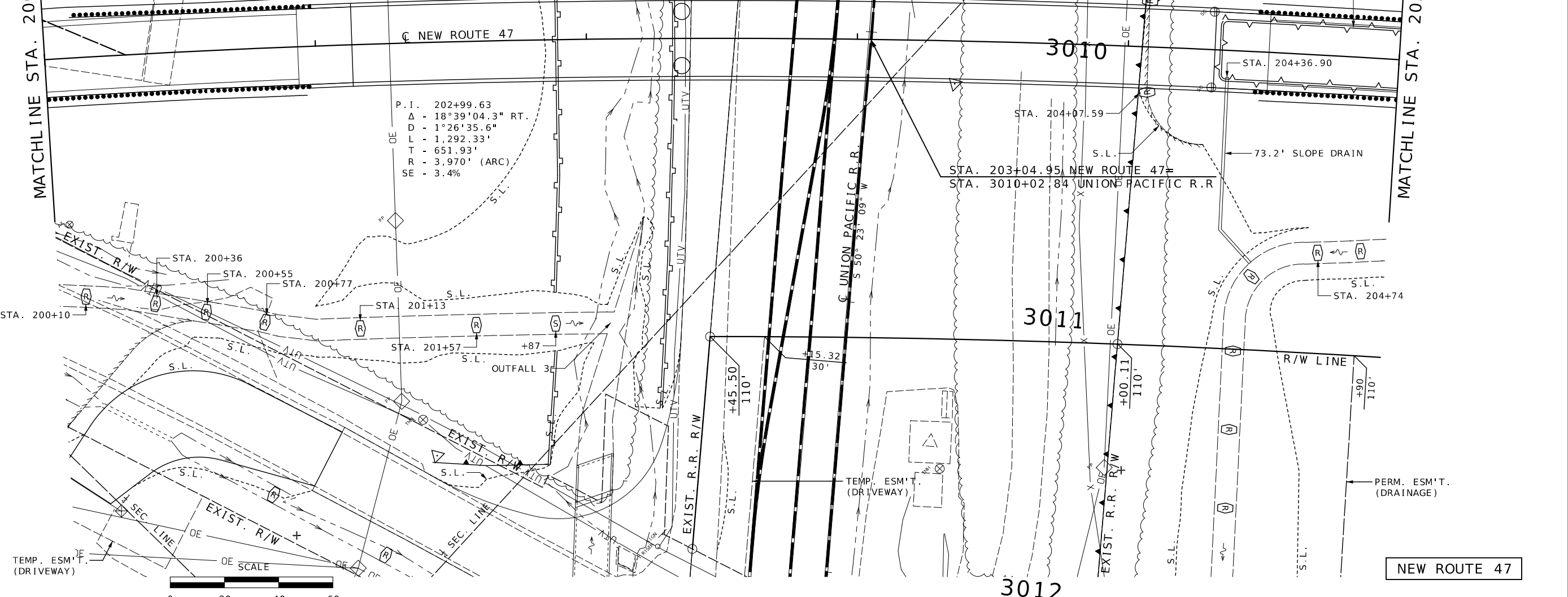
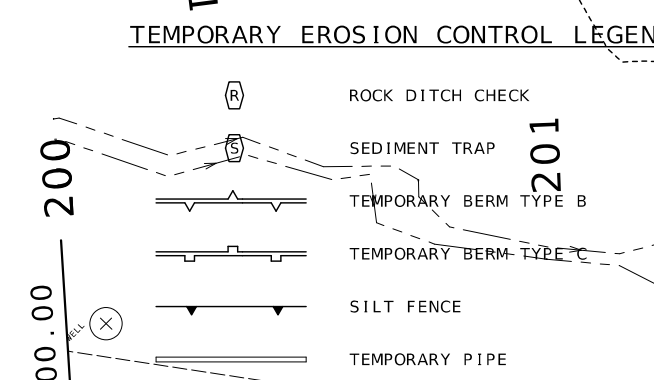
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

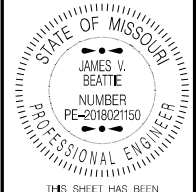
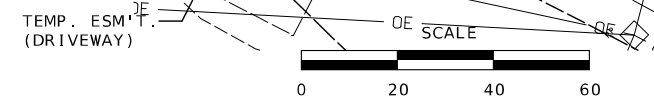
EROSION CONTROL
SHEET 4 OF 18

RELOC. RODERICK ROAD
 R/W LINE (RELOC. RODERICK RD.)
 R/W LINE (ROUTE 47)



P.I. 3007+12.28
 Δ 7°12'05.1" RT.
 D 1°43'
 Ls 85.90'
 T 252.98'
 Lc 333.60'
 R 3,337.62' (ARC)

P.I. 202+99.63
 Δ 18°39'04.3" RT.
 D 1°26'35.6"
 L 1,292.33'
 T 651.93'
 R 3,970' (ARC)
 SE - 3.4%



DATE PREPARED
 2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	60

COUNTY
 WASHINGTON

JOB NO.
 JCD0135

CONTRACT ID.

PROJECT NO.

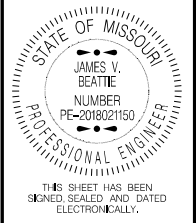
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL
 SHEET 5 OF 18



DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 61

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

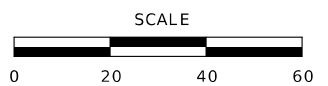
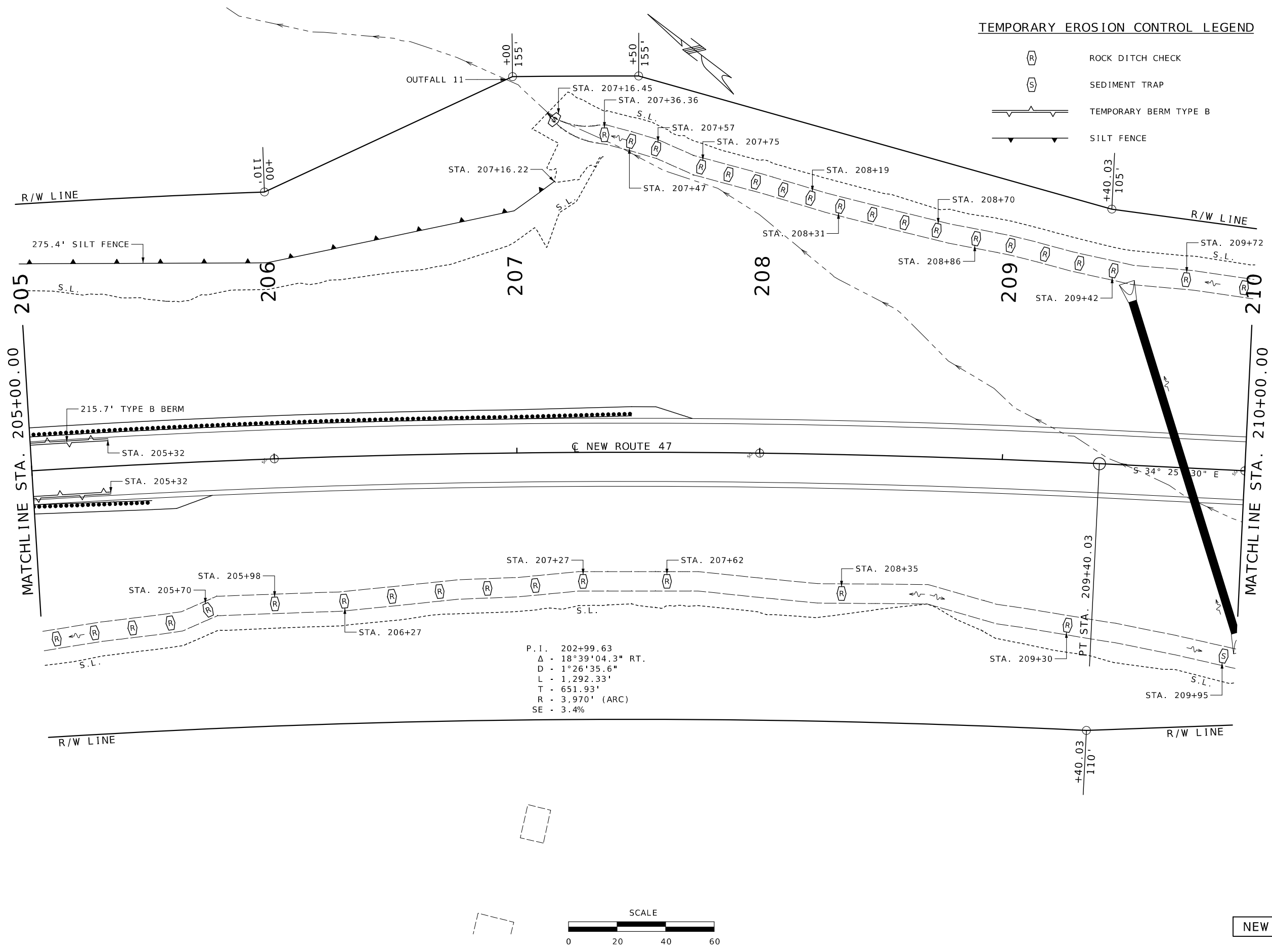
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

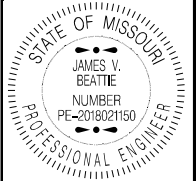
EROSION CONTROL
SHEET 6 OF 18

TEMPORARY EROSION CONTROL LEGEND

- ROCK DITCH CHECK
- SEDIMENT TRAP
- TEMPORARY BERM TYPE B
- SILT FENCE



NEW ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 62

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

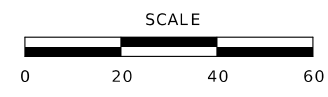
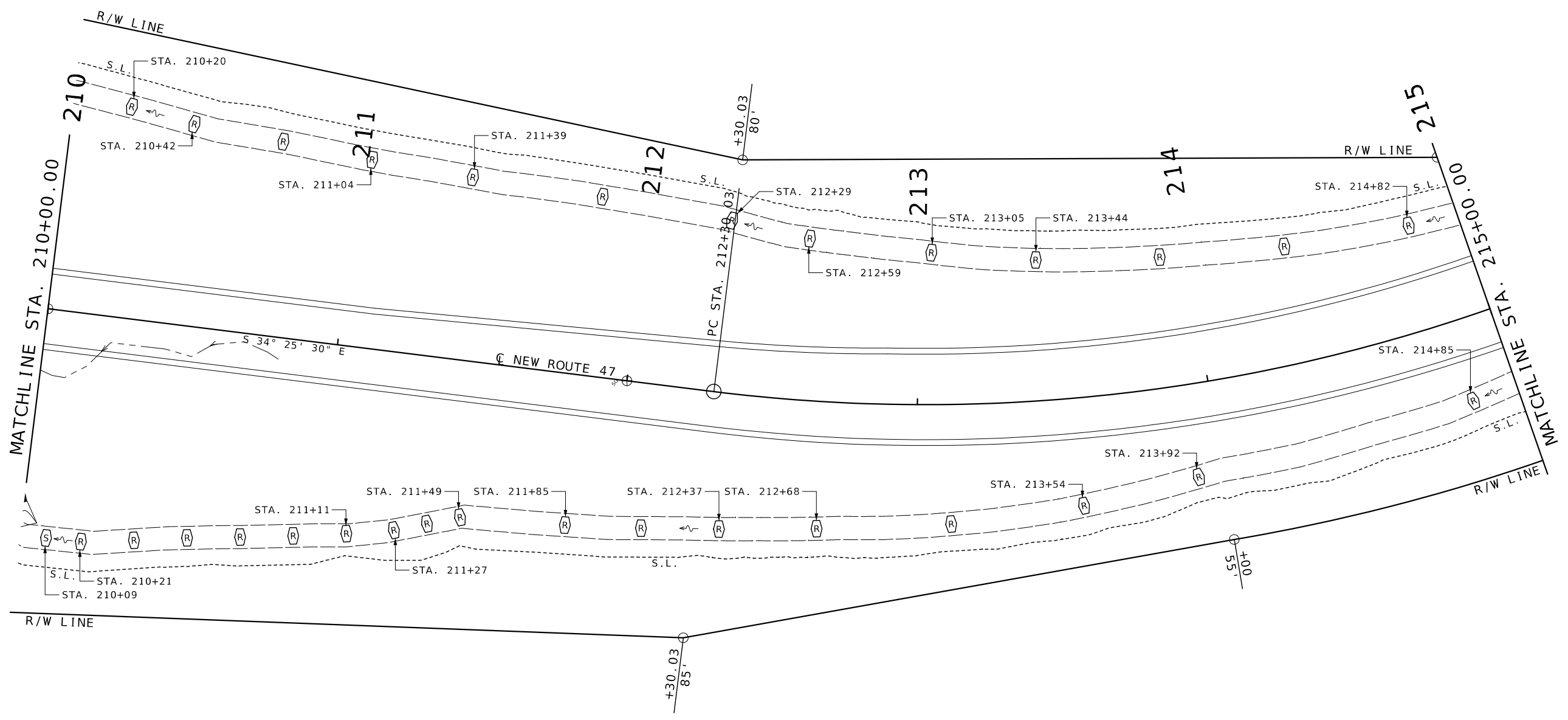
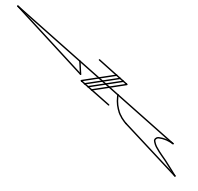
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EROSION CONTROL
SHEET 7 OF 18

P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP

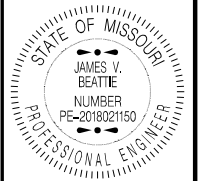


NEW ROUTE 47

P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP



THIS SHEET HAS BEEN
 SIGNED, SEALED AND DATED
 ELECTRONICALLY.

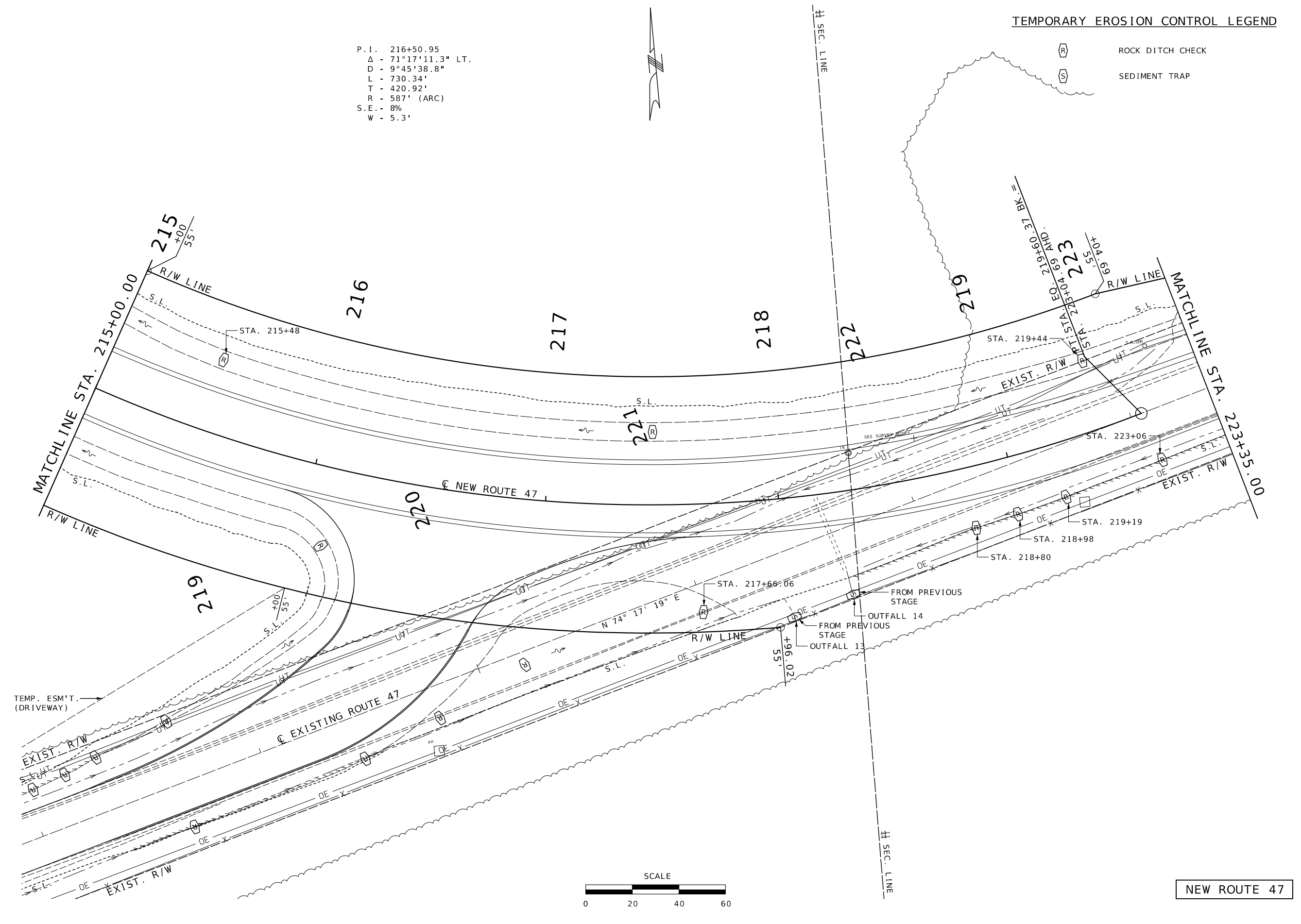
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 63
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

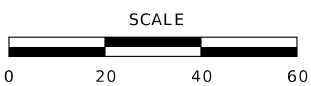
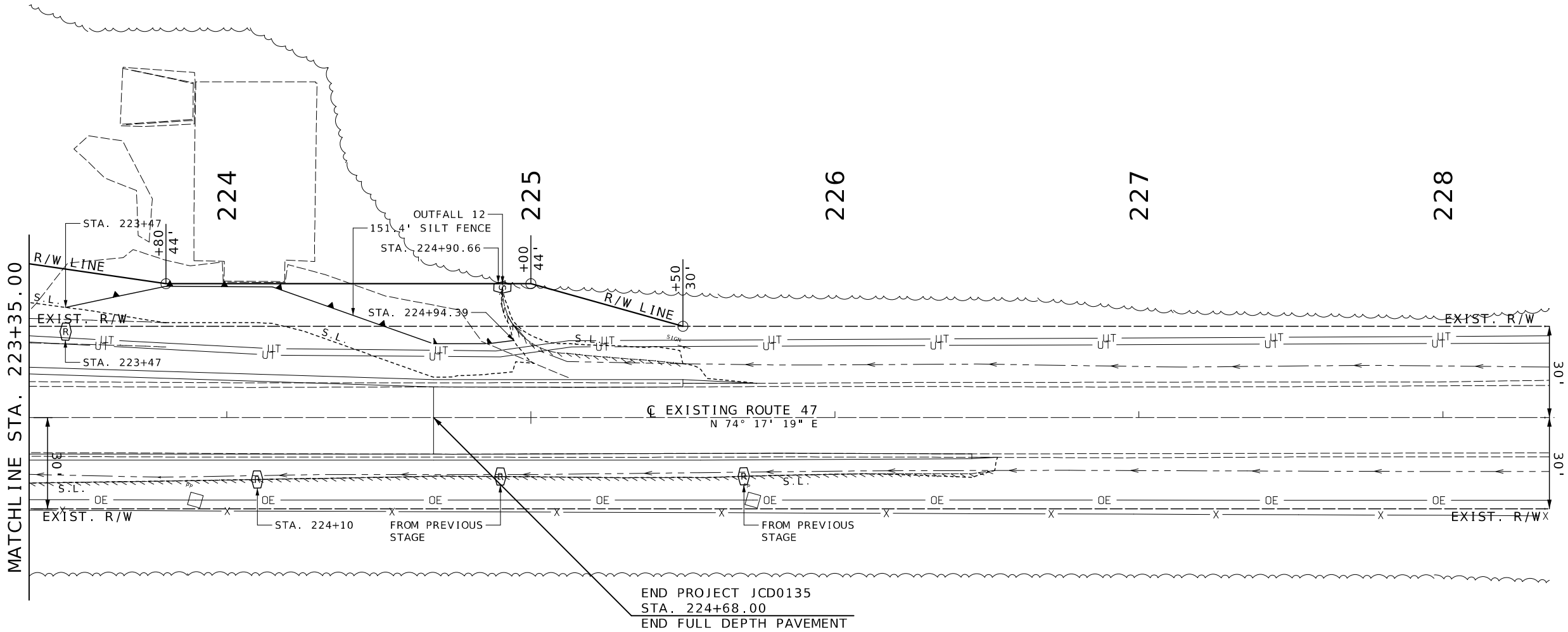
MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

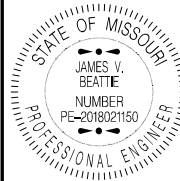
EROSION CONTROL
 SHEET 8 OF 18



NEW ROUTE 47



NEW ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 64
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL
SHEET 9 OF 18

EXIST. R.R. R/W

TEMP. ESM'T. (DRIVEWAY)

202

NEW ROUTE 47

RELOC. RODERICK RD.

R/W LINE C (RELOC. RODERICK RD.)




MATCHLINE STA. 10+70.00

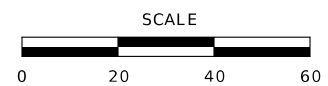
EXIST. RODERICK ROAD

P.I. 6+95.39
 Δ - 0°56'17.1" RT.
 D - 1°08'45.3"
 L - 81.86'
 T - 40.93'
 R - 5,000' (ARC)

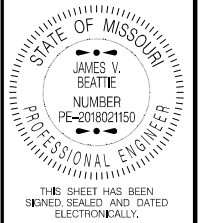
P.I. 9+14.83
 Δ - 82°51'52.6" RT.
 D - 38°11'49.9"
 L - 216.94'
 T - 132.39'
 R - 150' (ARC)
 SE - 2%

TEMPORARY EROSION CONTROL LEGEND

-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  TEMPORARY BERM TYPE C



RELOCATED RODERICK ROAD



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 65

COUNTY WASHINGTON

JOB NO. JCD0135


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

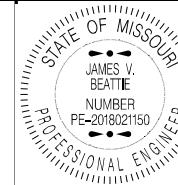
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

EROSION CONTROL SHEET 10 OF 18



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 66

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

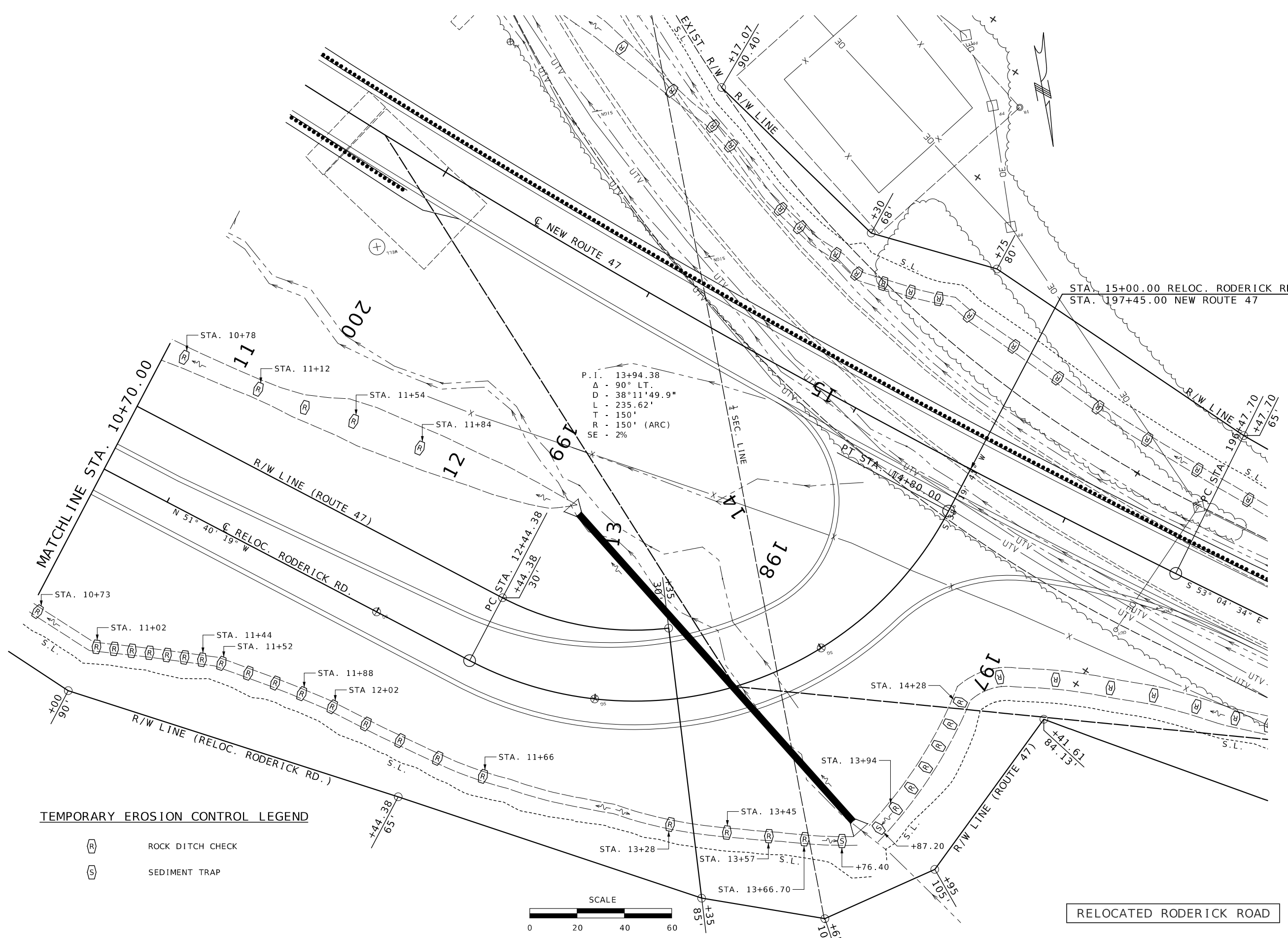
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

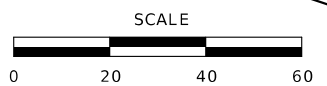
EROSION CONTROL SHEET 11 OF 18



P.I. 13+94.38
 Δ - 90° LT.
 D - 38°11'49.9"
 L - 235.62'
 T - 150'
 R - 150' (ARC)
 SE - 2%

TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP



RELOCATED RODERICK ROAD



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 67
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

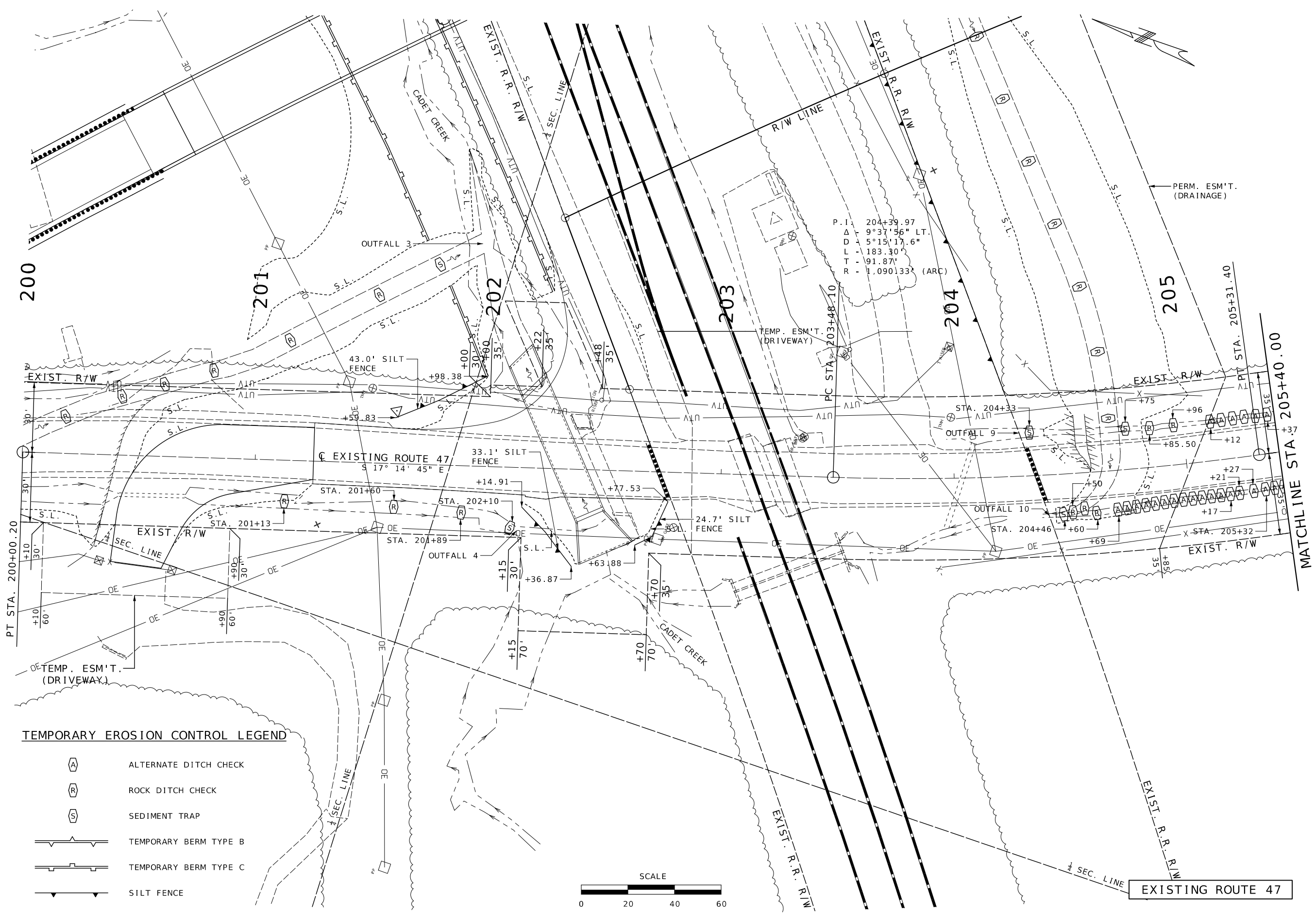
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION




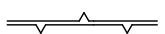




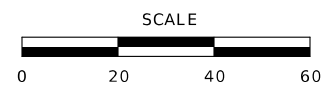
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

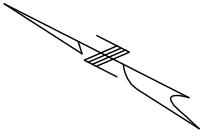
EROSION CONTROL
SHEET 12 OF 18



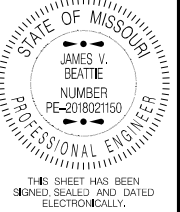
TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE



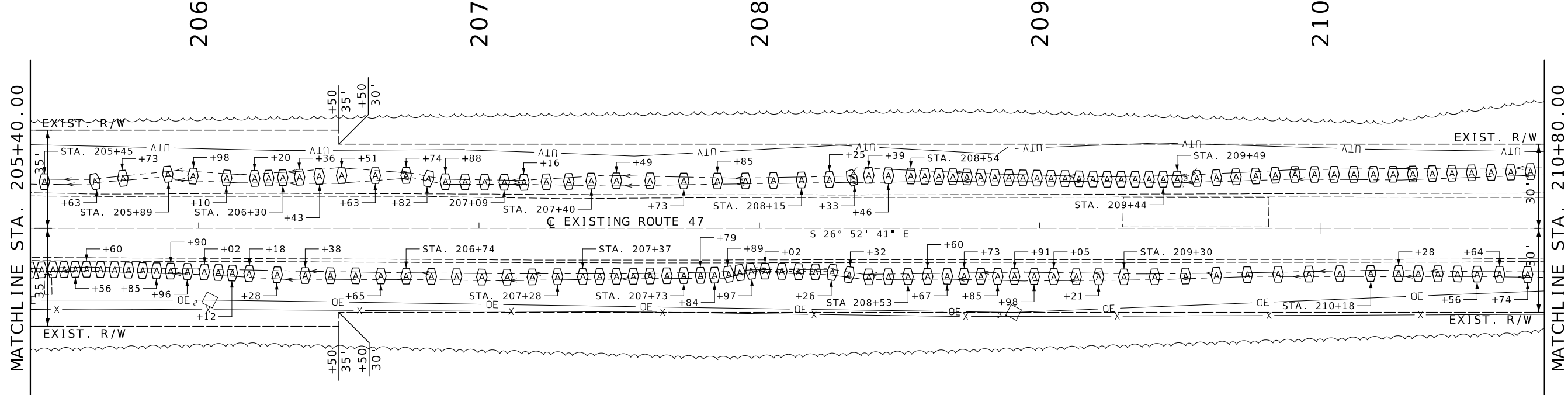


TEMPORARY EROSION CONTROL LEGEND



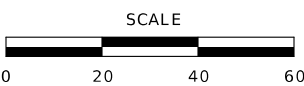
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/25/2026
ROUTE	47
STATE	MO
DISTRICT	CD
SHEET NO.	68
COUNTY	WASHINGTON
JOB NO.	JCD0135
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



MATCHLINE STA. 205+40.00

MATCHLINE STA. 210+80.00



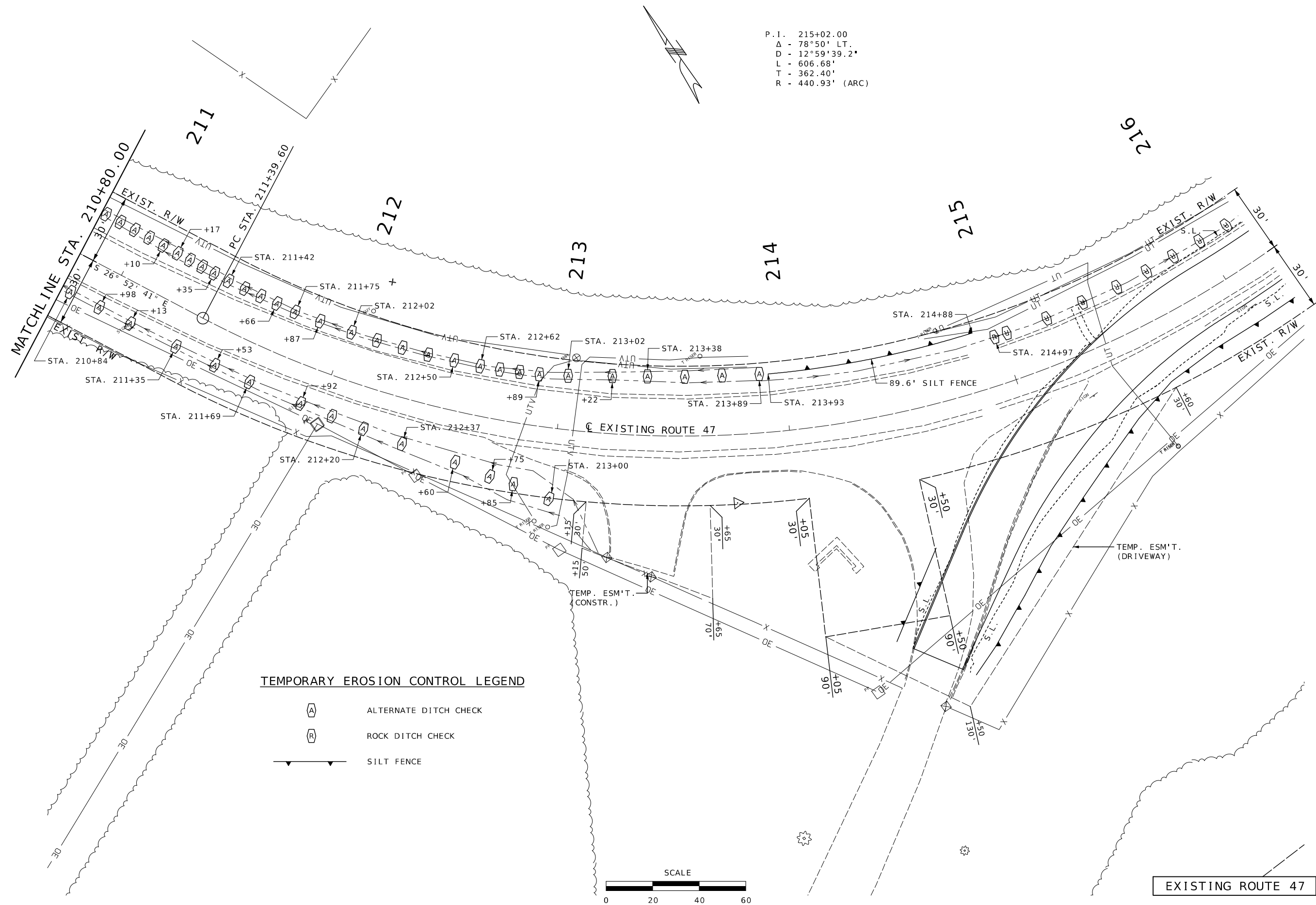
EXISTING ROUTE 47

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION




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

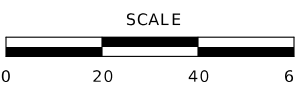
EROSION CONTROL SHEET 13 OF 18



P.I. 215+02.00
 Δ - 78°50' LT.
 D - 12°59'39.2"
 L - 606.68'
 T - 362.40'
 R - 440.93' (ARC)

TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  ROCK DITCH CHECK
-  SILT FENCE



EXISTING ROUTE 47



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

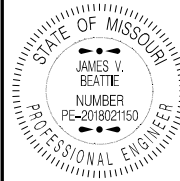
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 69
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL
 SHEET 14 OF 18



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE STATE
47 MO

DISTRICT SHEET NO.
CD 70

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE DESCRIPTION

DATE DESCRIPTION

DATE DESCRIPTION

DATE DESCRIPTION

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DATE DESCRIPTION

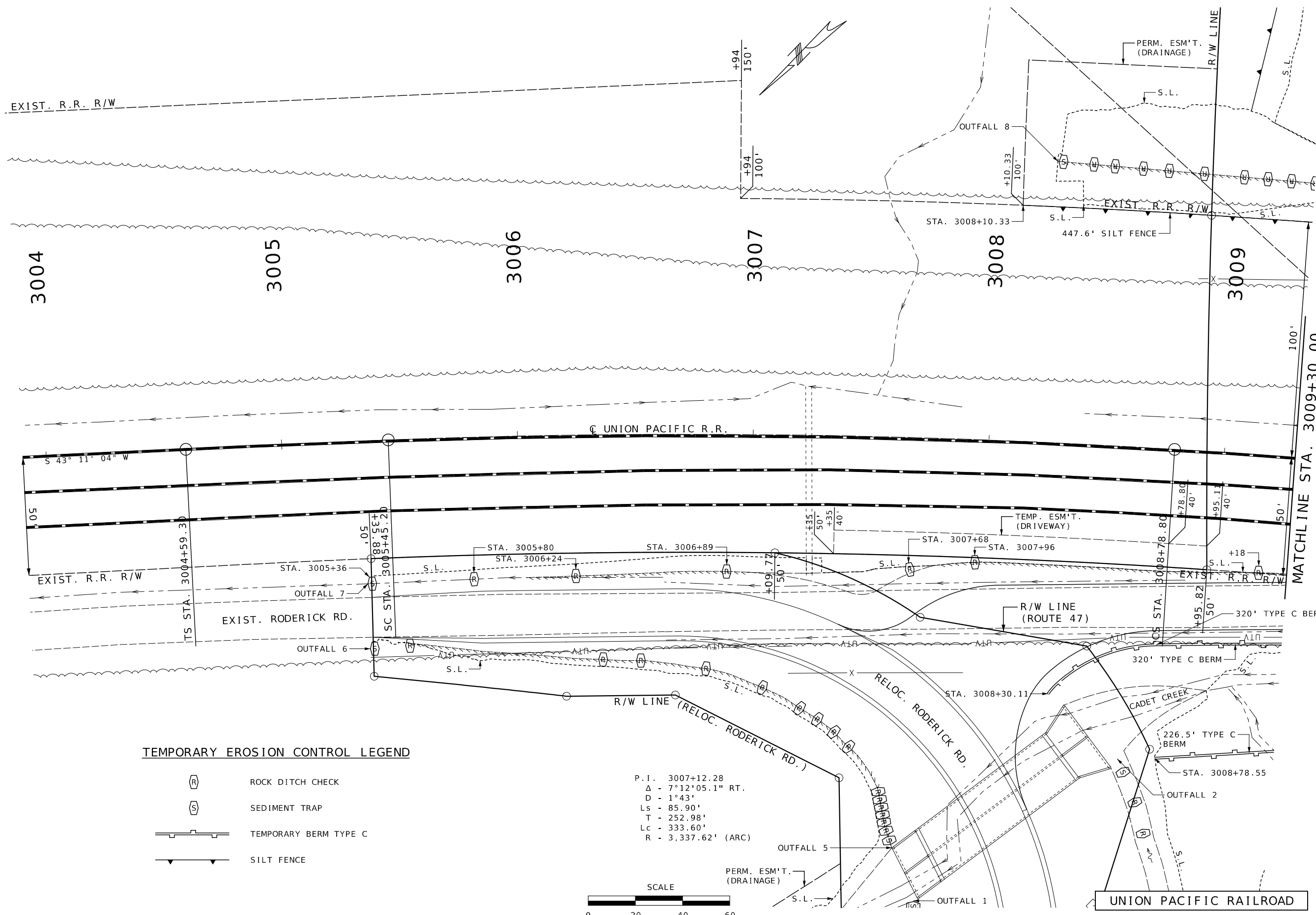
DATE DESCRIPTION

DATE DESCRIPTION

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



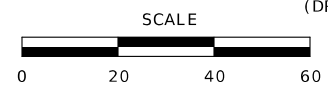
EROSION CONTROL SHEET 15 OF 18



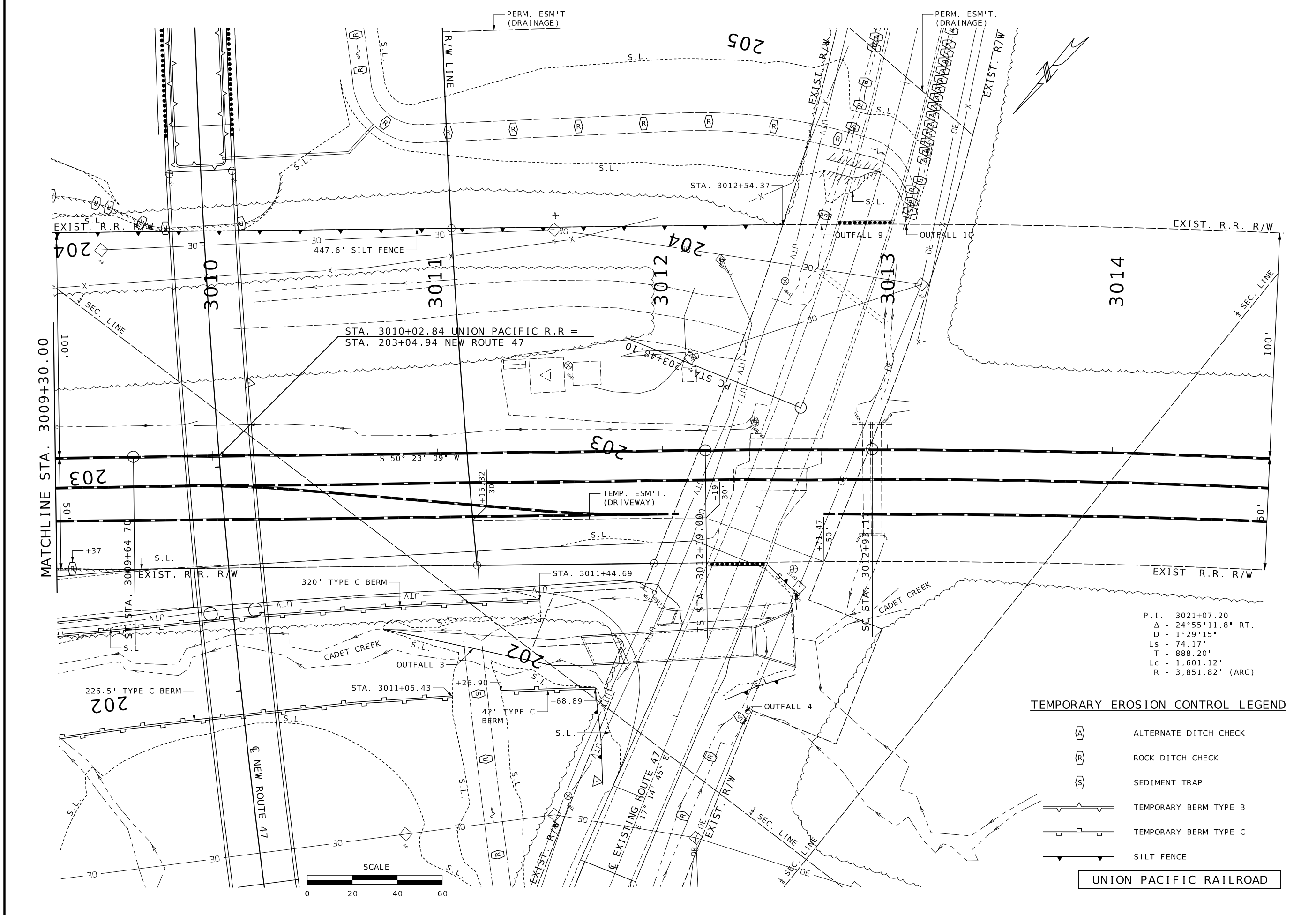
TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- TEMPORARY BERM TYPE C
- SILT FENCE

P.I. 3007+12.28
 Δ - 7°12'05.1" RT.
 D - 1°43'
 Ls - 85.90'
 T - 252.98'
 Lc - 333.60'
 R - 3,337.62' (ARC)





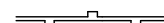
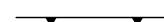


UNION PACIFIC RAILROAD

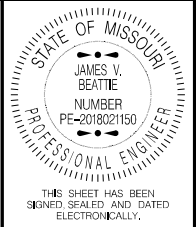
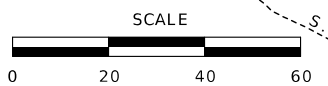


P.I. 3021+07.20
 Δ - 24°55'11.8" RT.
 D - 1°29'15"
 LS - 74.17'
 T - 888.20'
 Lc - 1,601.12'
 R - 3,851.82' (ARC)

TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE

UNION PACIFIC RAILROAD



DATE PREPARED
2/25/2026

ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 71

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

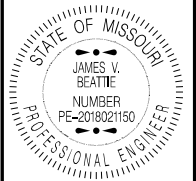
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



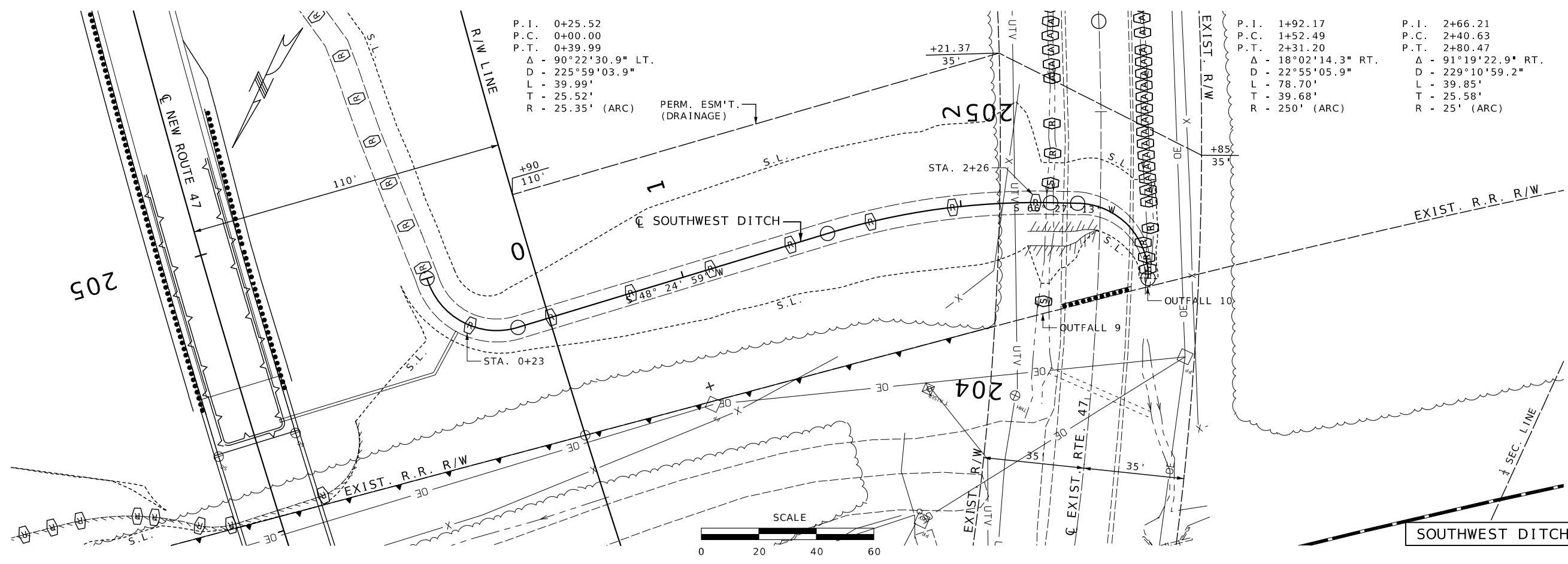
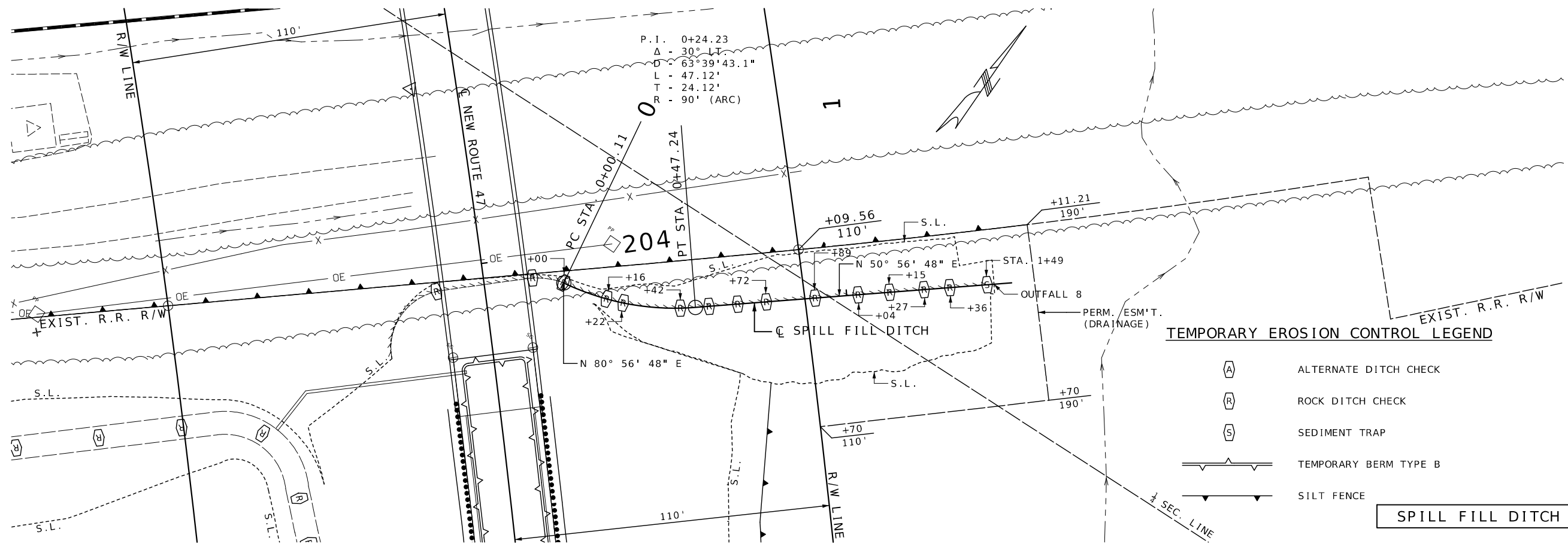
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EROSION CONTROL
SHEET 16 OF 18



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 72
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

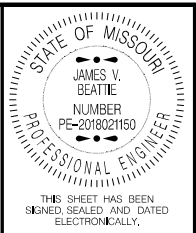


DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL
SHEET 17 OF 18




THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	
2/25/2026	
ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	73
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

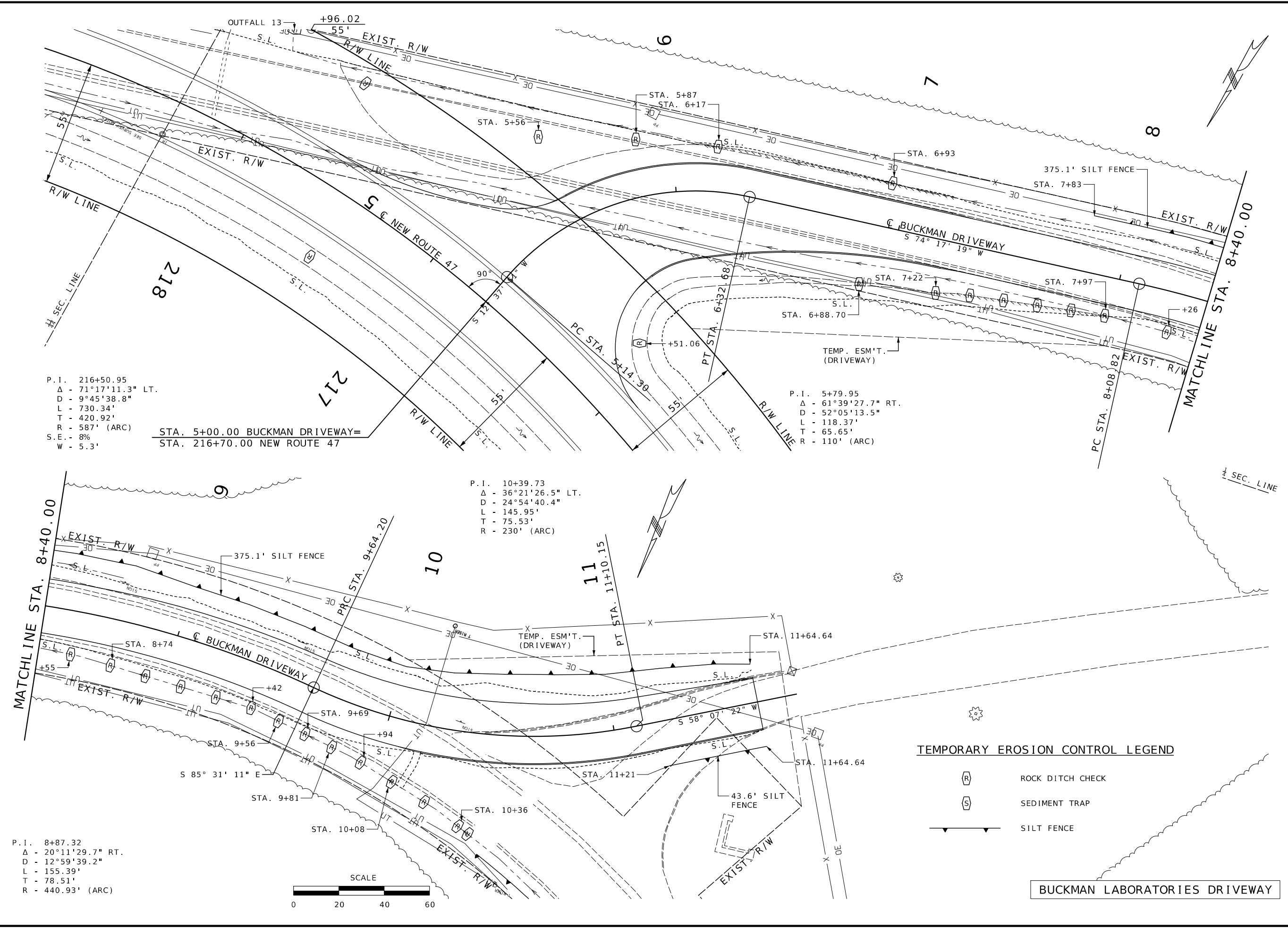
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

EROSION CONTROL
SHEET 18 OF 18



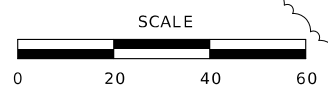
P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'

STA. 5+00.00 BUCKMAN DRIVEWAY=
 STA. 216+70.00 NEW ROUTE 47

P.I. 5+79.95
 Δ - 61°39'27.7" RT.
 D - 52°05'13.5"
 L - 118.37'
 T - 65.65'
 R - 110' (ARC)

P.I. 10+39.73
 Δ - 36°21'26.5" LT.
 D - 24°54'40.4"
 L - 145.95'
 T - 75.53'
 R - 230' (ARC)

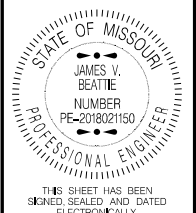
P.I. 8+87.32
 Δ - 20°11'29.7" RT.
 D - 12°59'39.2"
 L - 155.39'
 T - 78.51'
 R - 440.93' (ARC)



TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

BUCKMAN LABORATORIES DRIVEWAY



DATE PREPARED
2/25/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
CD	74

COUNTY
WASHINGTON

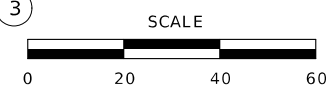
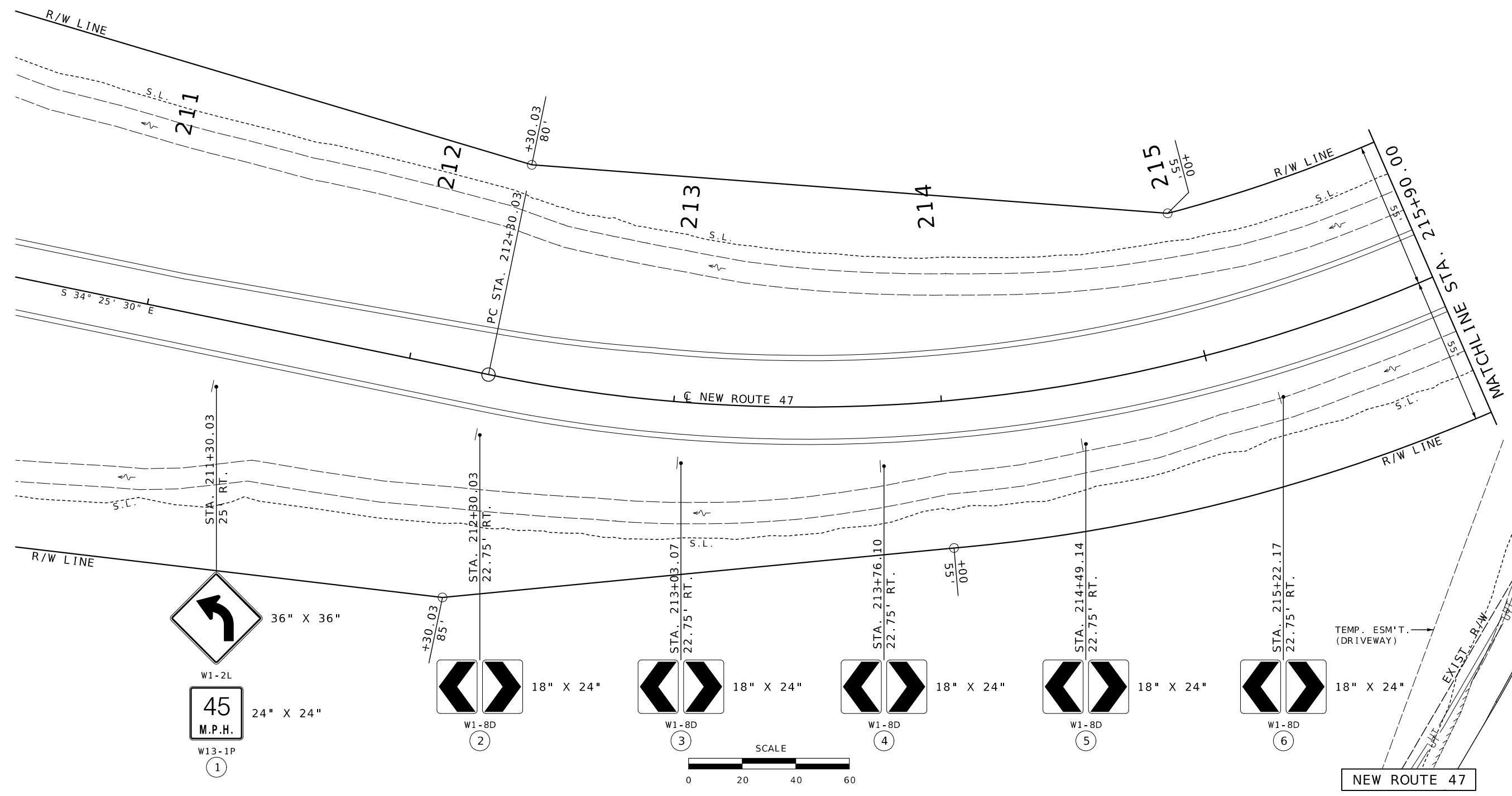
JOB NO.
JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'



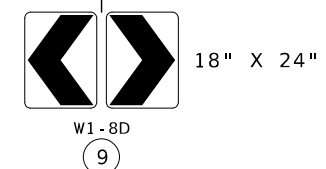
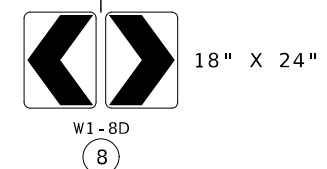
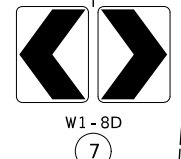
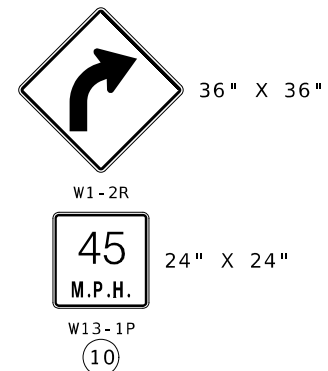
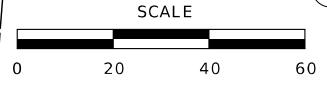
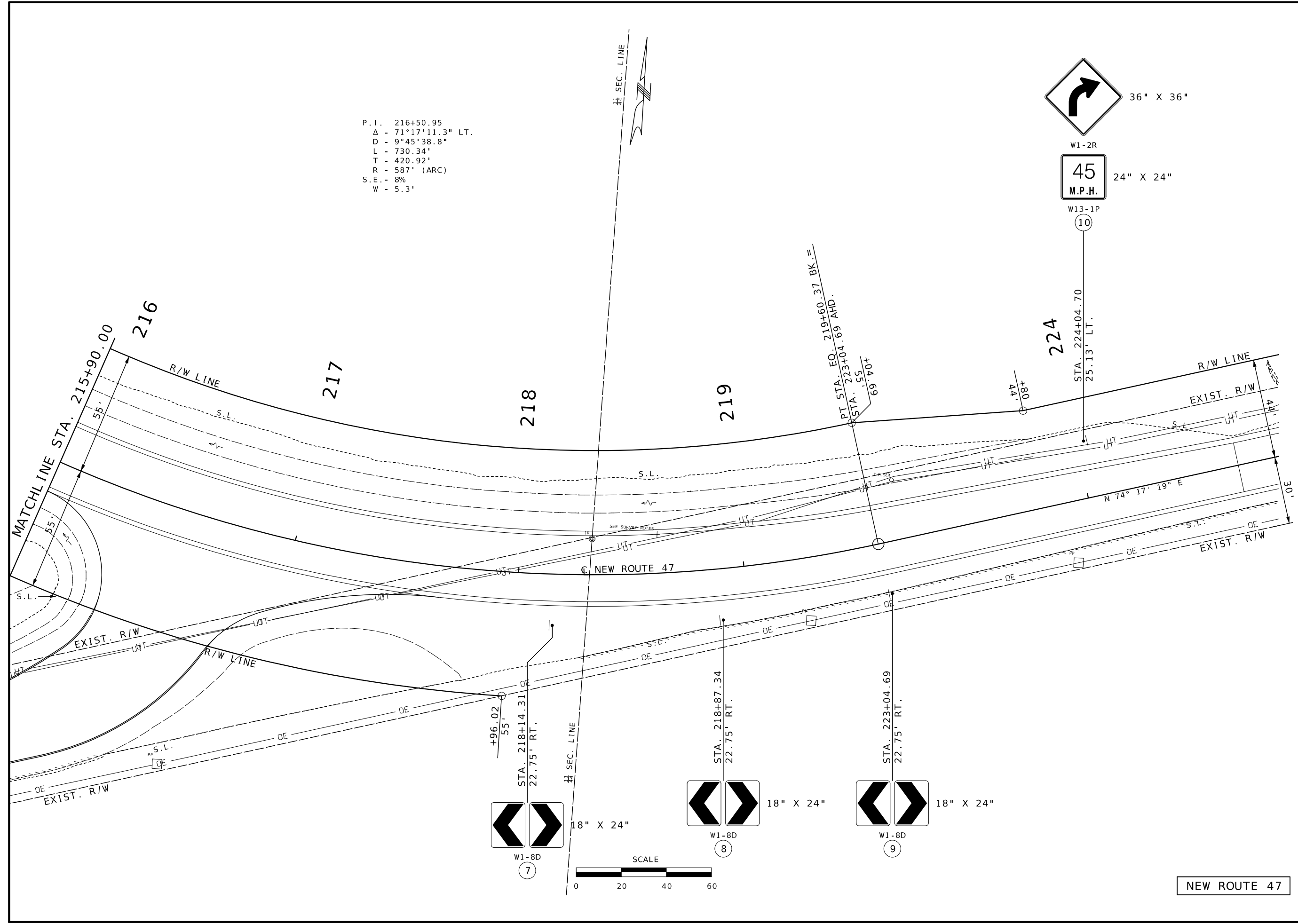
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

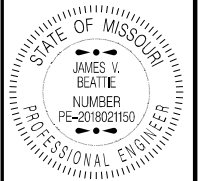
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNING
SHEET 1 OF 6

P.I. 216+50.95
 Δ - 71°17'11.3" LT.
 D - 9°45'38.8"
 L - 730.34'
 T - 420.92'
 R - 587' (ARC)
 S.E. - 8%
 W - 5.3'



NEW ROUTE 47



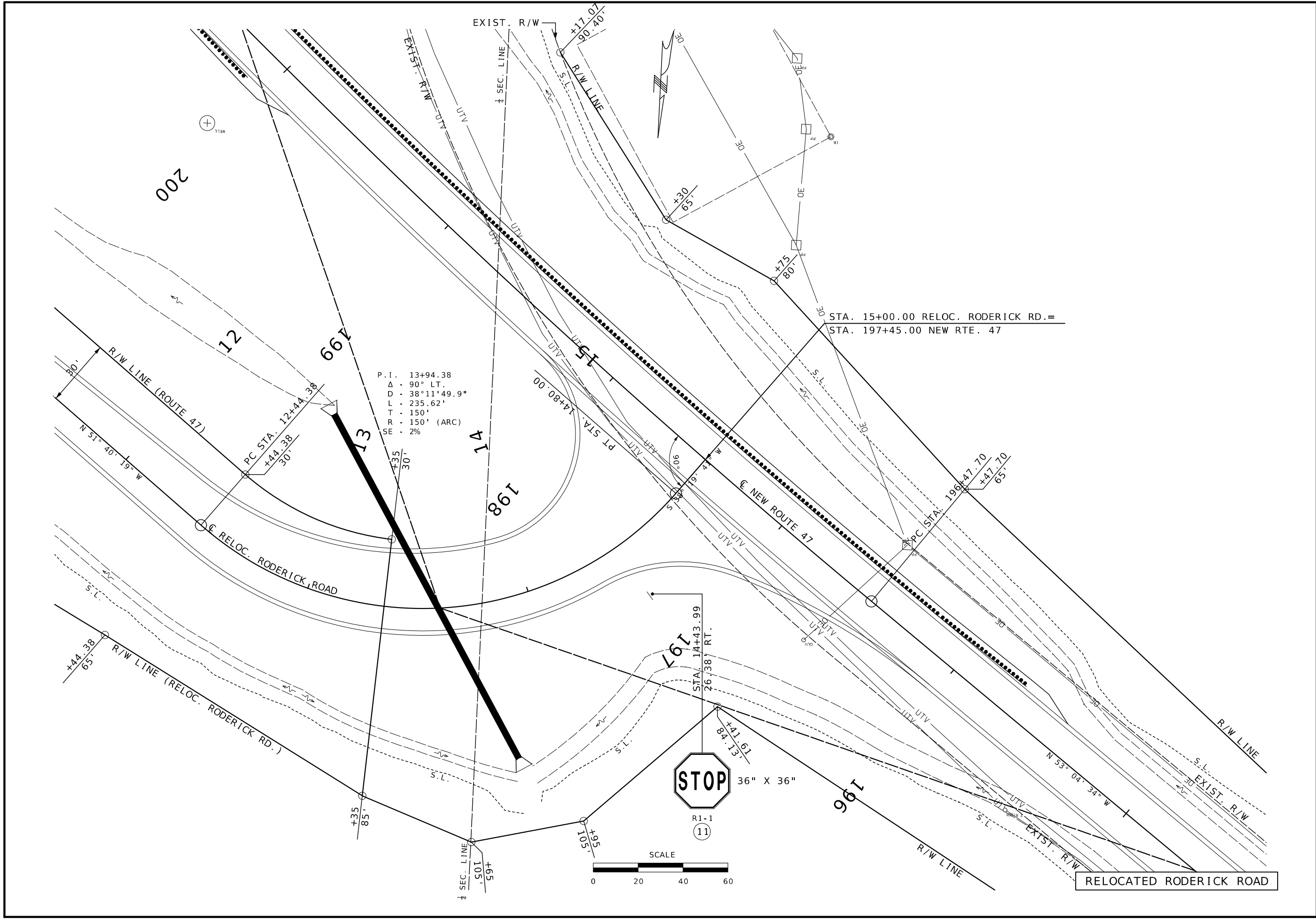
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 75
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

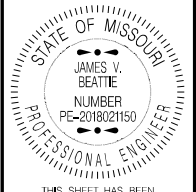
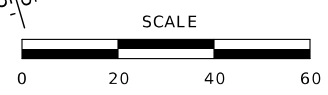
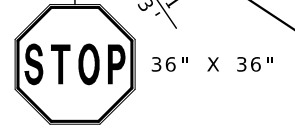
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

SIGNING
 SHEET 2 OF 6



P. I. 13+94.38
 Δ - 90° LT.
 D - 38° 11' 49.9"
 L - 235.62'
 T - 150'
 R - 150' (ARC)
 SE - 2%

STA. 15+00.00 RELOC. RODERICK RD. =
 STA. 197+45.00 NEW RTE. 47



THIS SHEET HAS BEEN
 SIGNED, SEALED AND DATED
 ELECTRONICALLY.

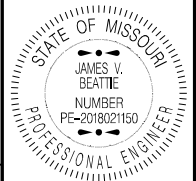
DATE PREPARED 2/25/2026	
ROUTE 47	STATE MO
DISTRICT CD	SHEET NO. 76
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

SIGNING
 SHEET 3 OF 6



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/25/2026
ROUTE 47 STATE MO
DISTRICT CD SHEET NO. 77

COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

Table with 2 columns: DATE, DESCRIPTION. Multiple empty rows.

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

SIGNING SHEET 4 OF 6

Main table for PERFORATED SQUARE STEEL TUBE. Columns include SIGN NO., SIGN SIZE, STATION OR LOG MILE, HORIZ CLEAR IF NOT STD, LOCATION, SIGN DTL SHT NO., CONCRETE FOOTINGS EMBEDDED, U-CHANNEL POST, 2-INCH POST (POST NO. 1, 2, TOTAL), 2.5-INCH POST (POST NO. 1, 2, TOTAL), BREAK-AWAY ASSEMBLY, and REMARKS AND OTHER REQUIRED ITEMS. Includes a TOTALS row and a PAY TOTALS row.

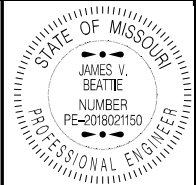
D29

STANDARD SIGN ASSEMBLIES table. Columns: SIGN NO., STATION OR LOG MILE, LOCATION, and various sign types (SH, SHF, WI, W1, W13) with their respective sizes and quantities.

SIGN SUMMARY table. Columns: STANDARD OR SPECIAL SIGN DESIGNATION, SIGN DTL SHT. NO., NO. EACH, SIGN SIZE, and TYPE & SQUARE FEET (FLAT SHEET SH, FLAT SHEET FLUORESCENT SHF*, STRUCTURAL ST, STRUCTURAL FLUORESCENT STF*).

*ORANGE, YELLOW AND YELLOW-GREEN

D30



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 78

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

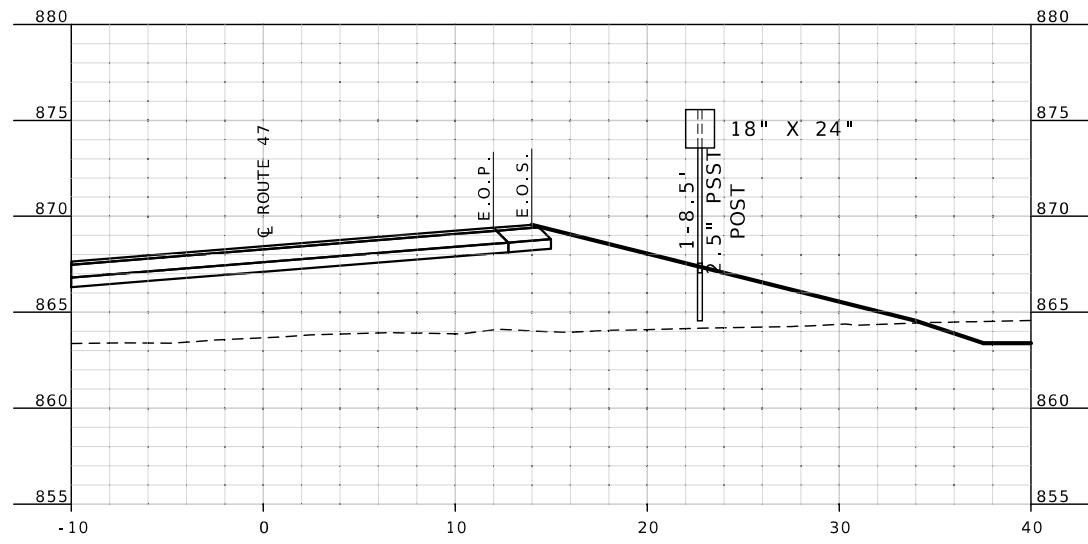
BRIDGE NO.

DATE	DESCRIPTION

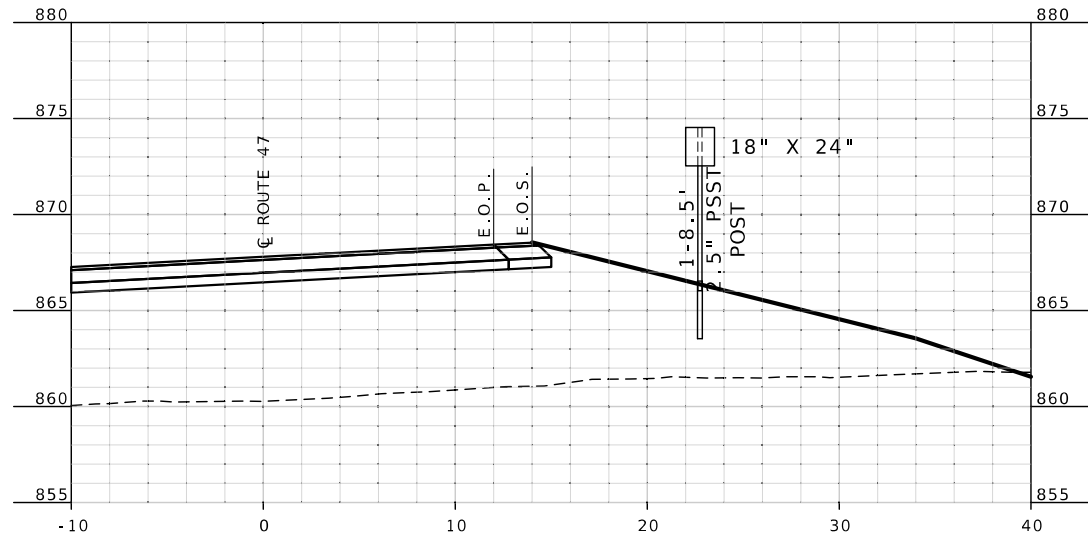
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

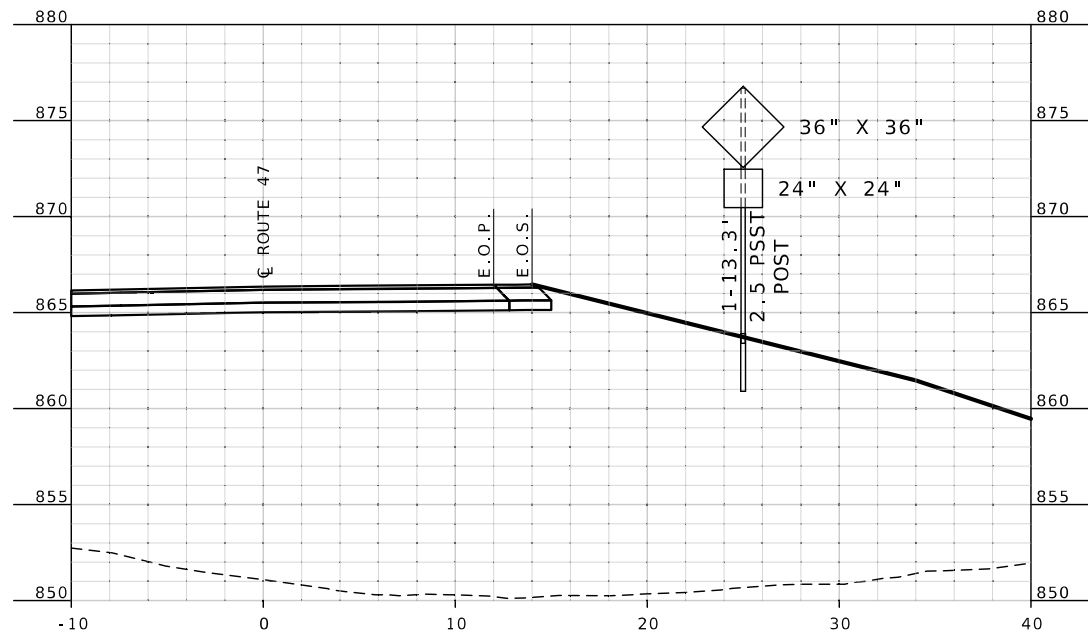
SIGNING SHEET 5 OF 6



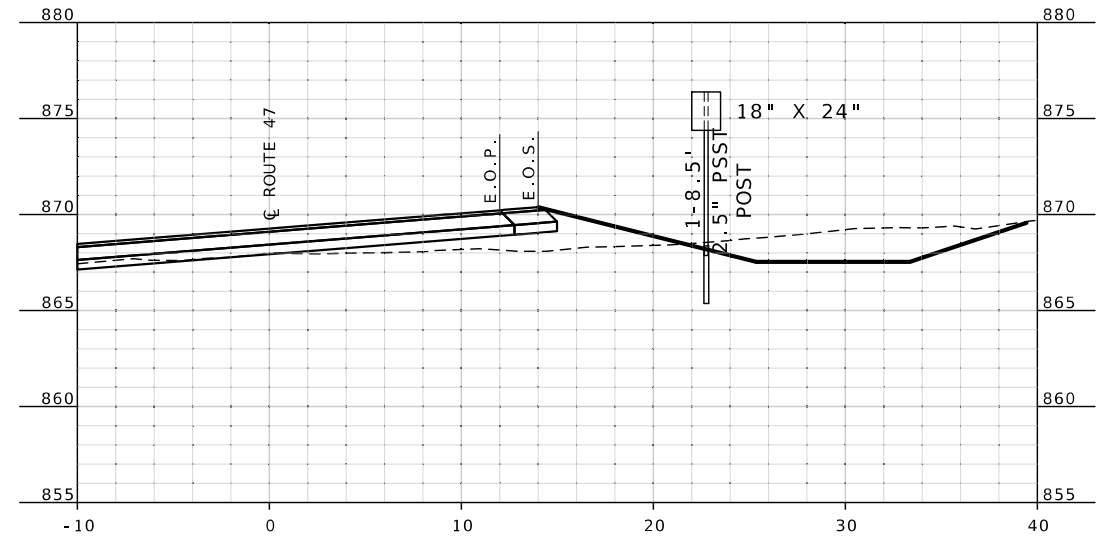
SIGN 3 STA. 213+03.07 ROUTE 47 22.75' RT.



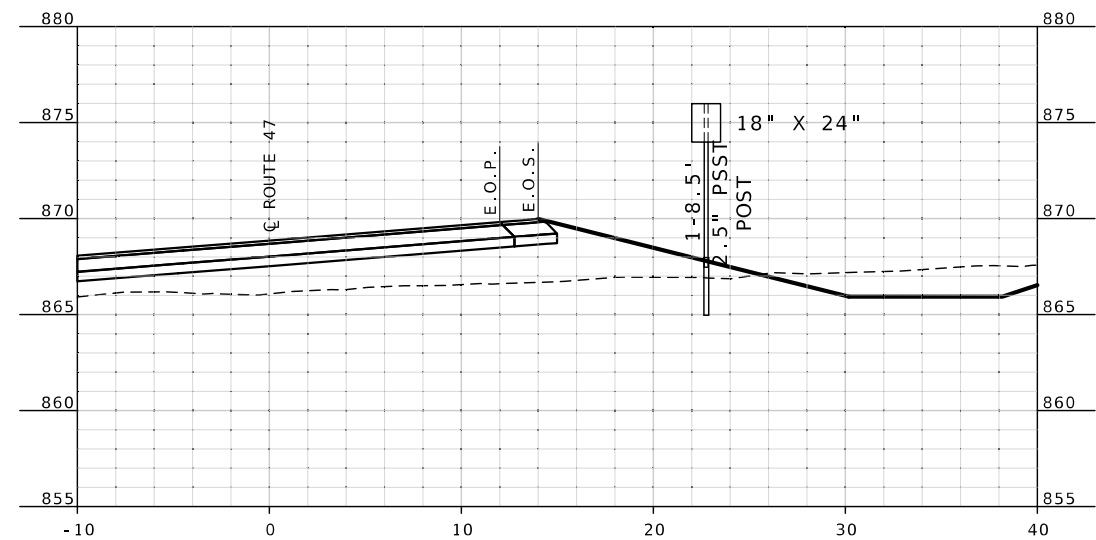
SIGN 2 STA. 212+30.03 ROUTE 47 22.75' RT.



SIGN 1 STA. 211+30.03 ROUTE 47 25' RT.



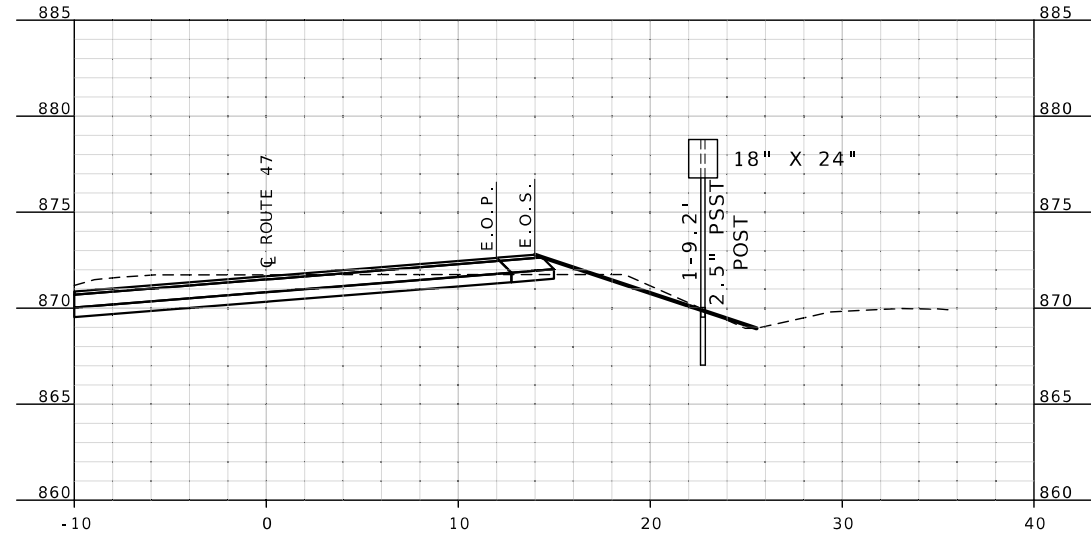
SIGN 5 STA. 214+49.14 ROUTE 47 22.75' RT.



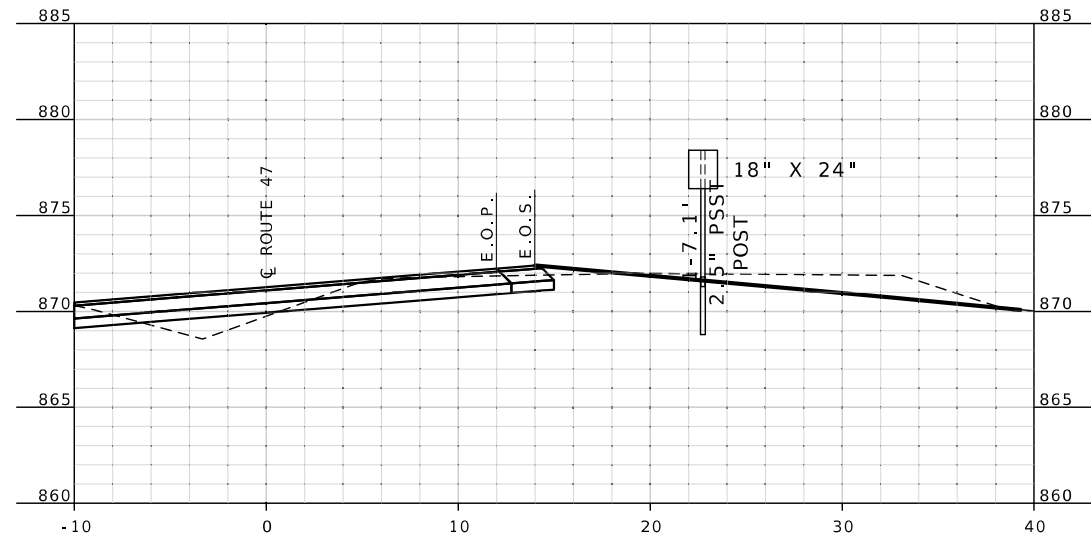
SIGN 4 STA. 213+76.10 ROUTE 47 22.75' RT.

SCALE 1" = 5'

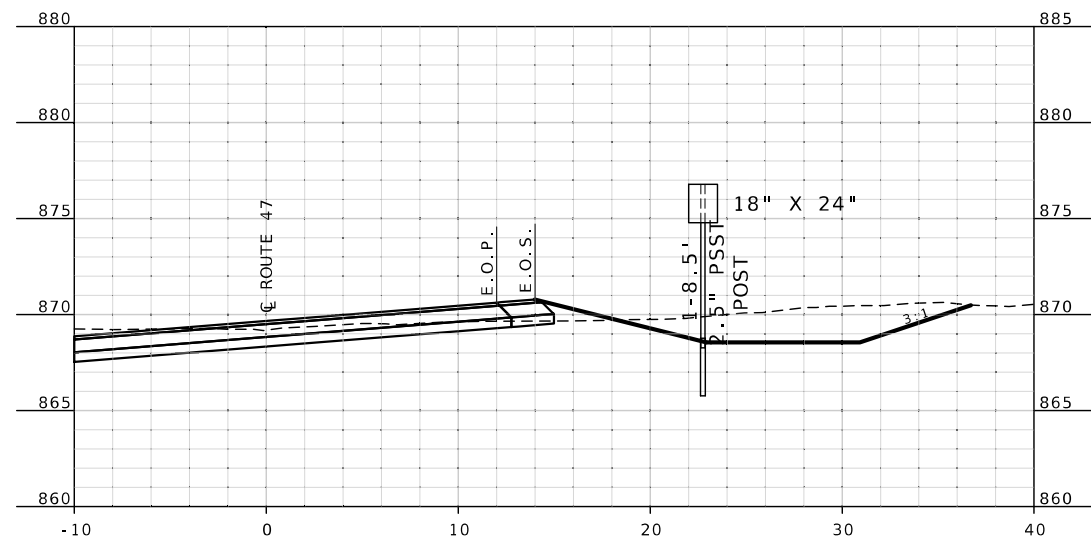
NEW ROUTE 47



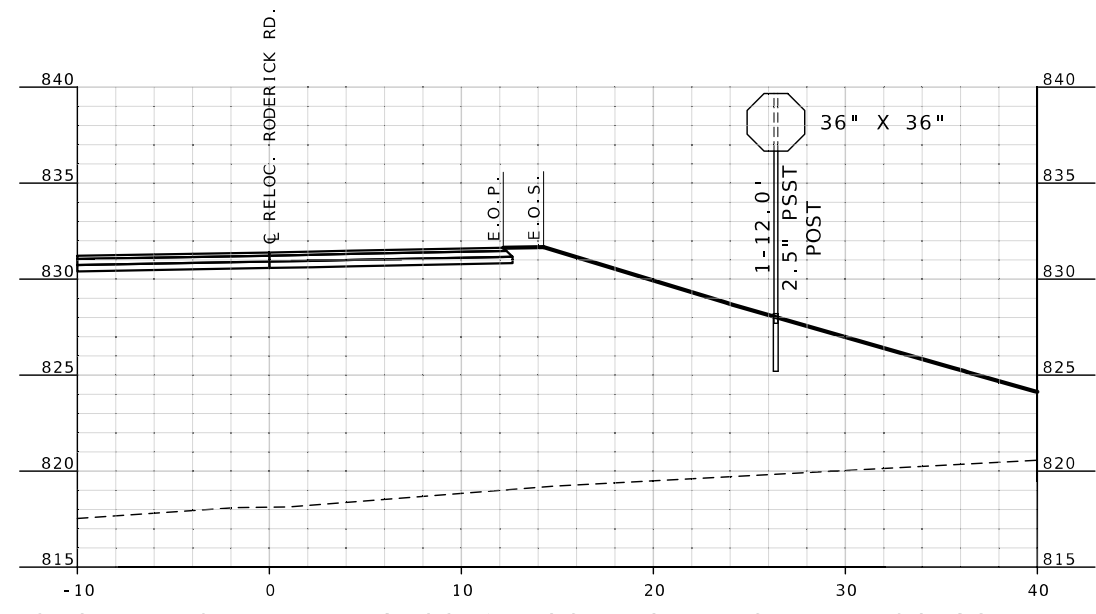
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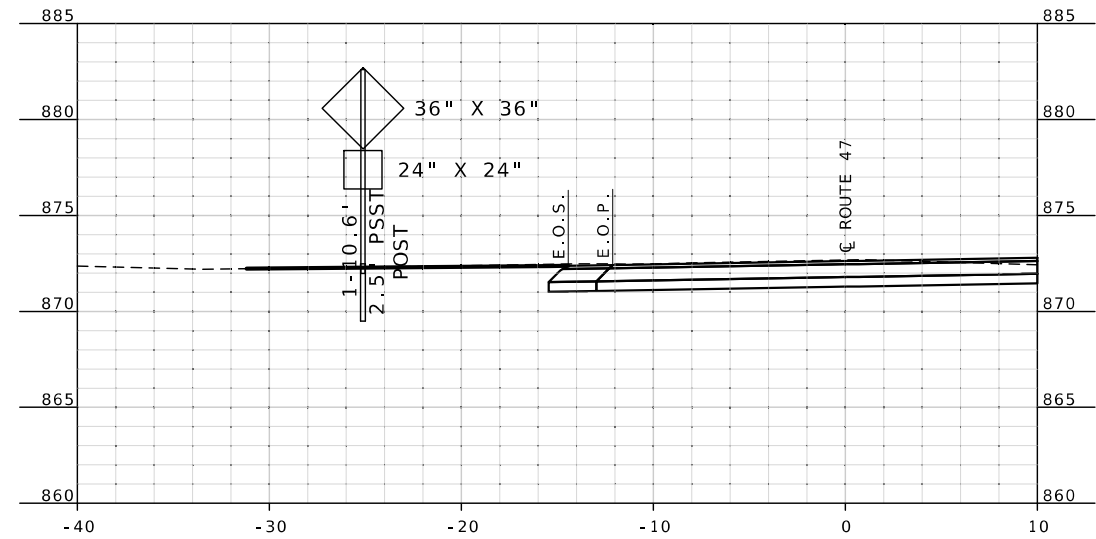
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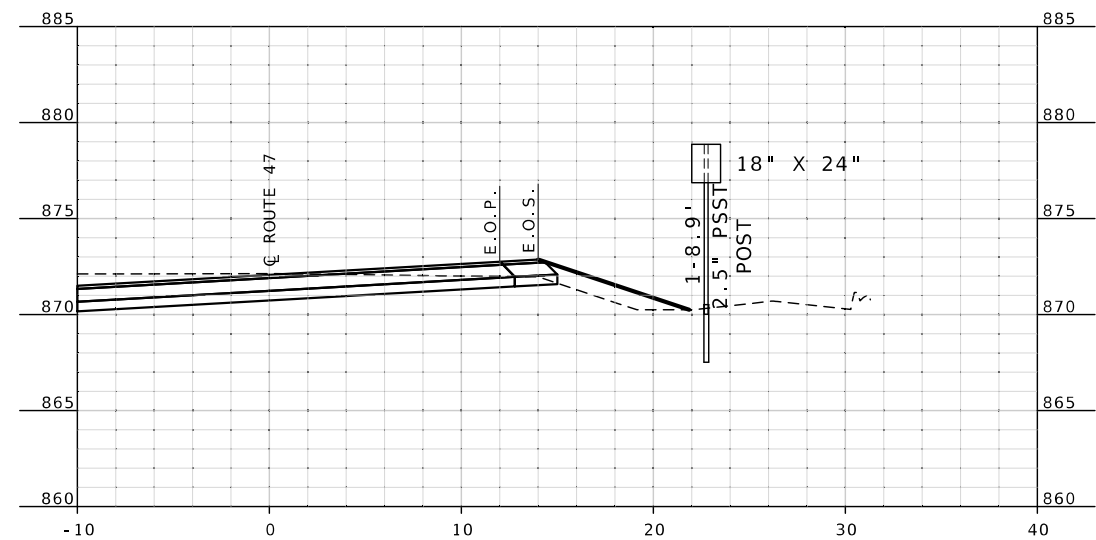
SIGN 6 STA. 215+22.17 ROUTE 47 22.75' RT.



SIGN 11 STA. 14+43.99 RELOC. RODERICK RD. 26.38' RT.



SIGN 10 STA. 224+04.70 R2 ROUTE 47 25.13' LT.

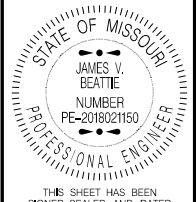


SIGN 9 STA. 223+04.69 R2 ROUTE 47 22.75' RT.

SCALE 1" = 5'

RELOCATED
RODERICK ROAD

NEW ROUTE 47



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 79

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

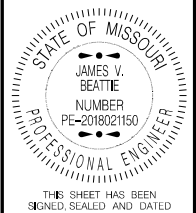
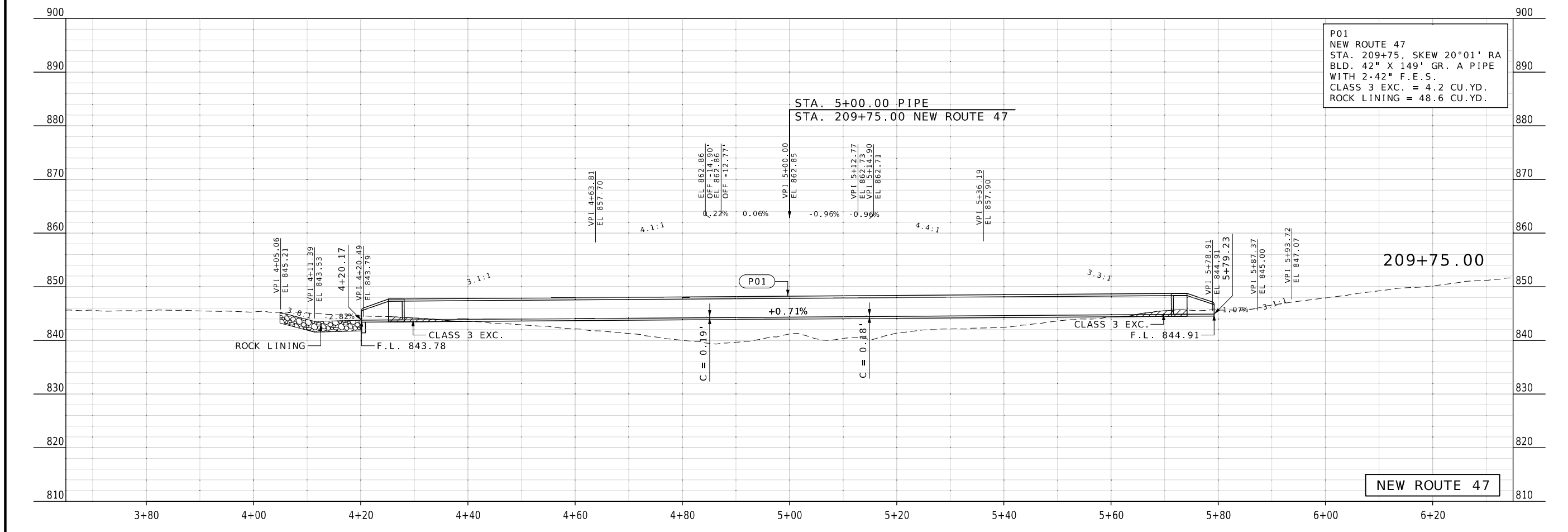
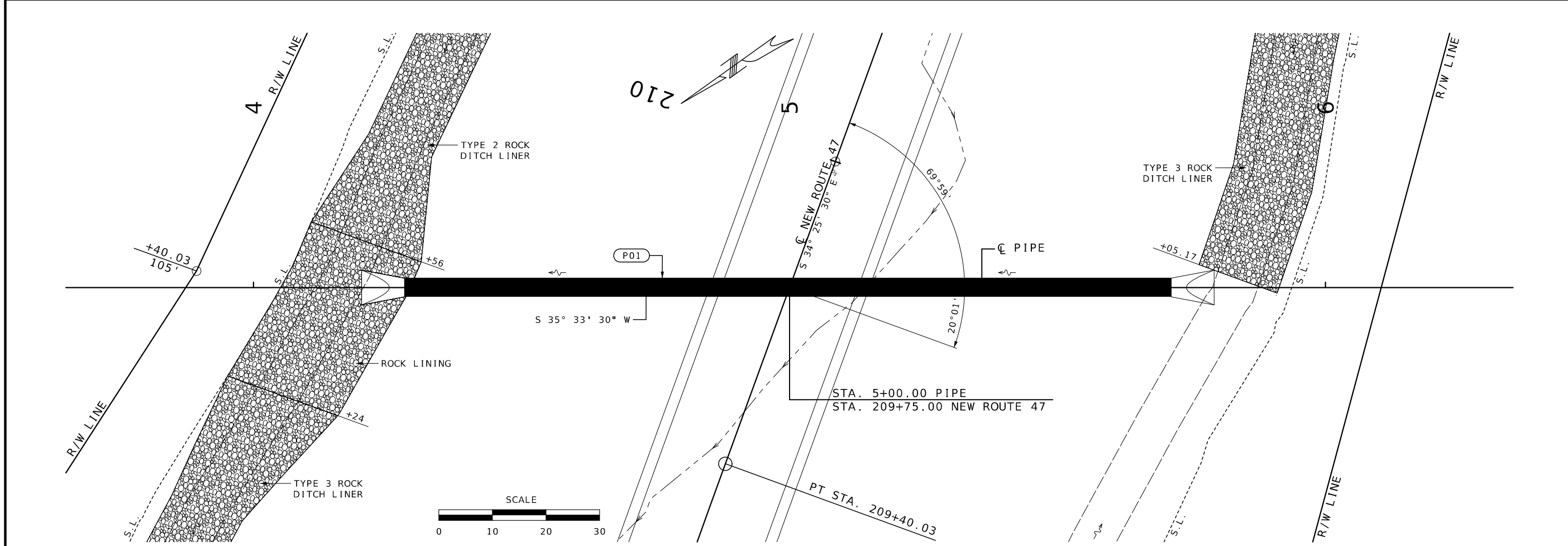
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SIGNING
SHEET 6 OF 6



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 80

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

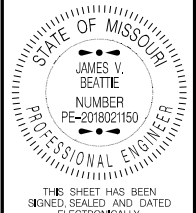
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

CULVERT SECTION SHEET 1 OF 3



DATE PREPARED
2/25/2026

ROUTE 47 STATE MO

DISTRICT CD SHEET NO. 81

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

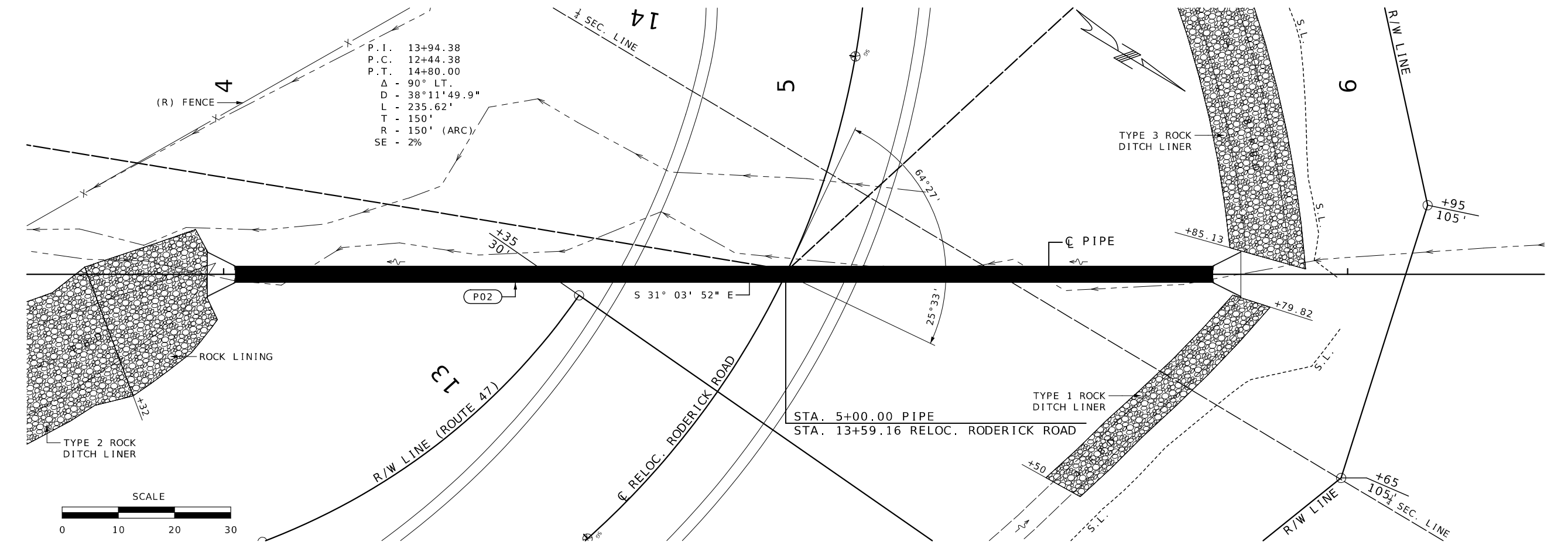
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

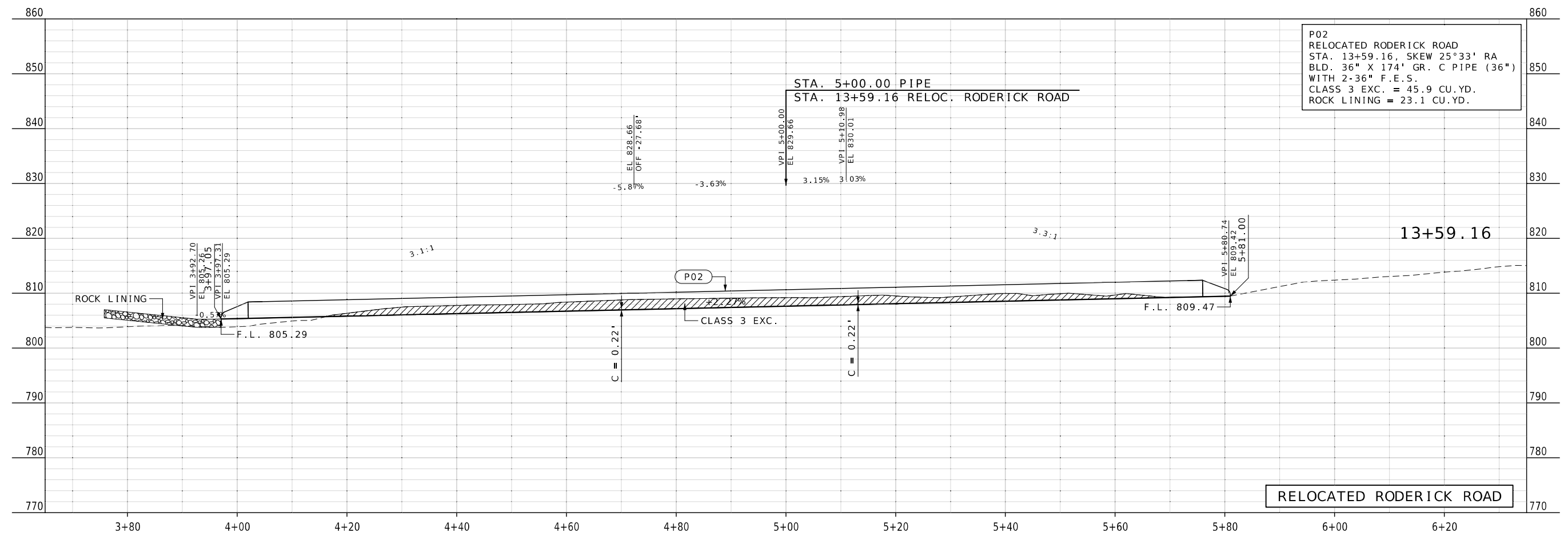
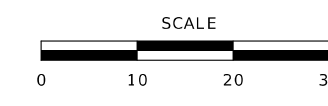
105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

CULVERT SECTION SHEET 2 OF 3

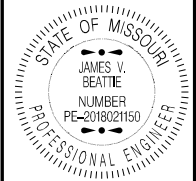


P. I. 13+94.38
P. C. 12+44.38
P. T. 14+80.00
 $\Delta - 90^{\circ}\ LT.$
D - $38^{\circ}\ 11'\ 49.9''$
L - 235.62'
T - 150'
R - 150' (ARC)
SE - 2%



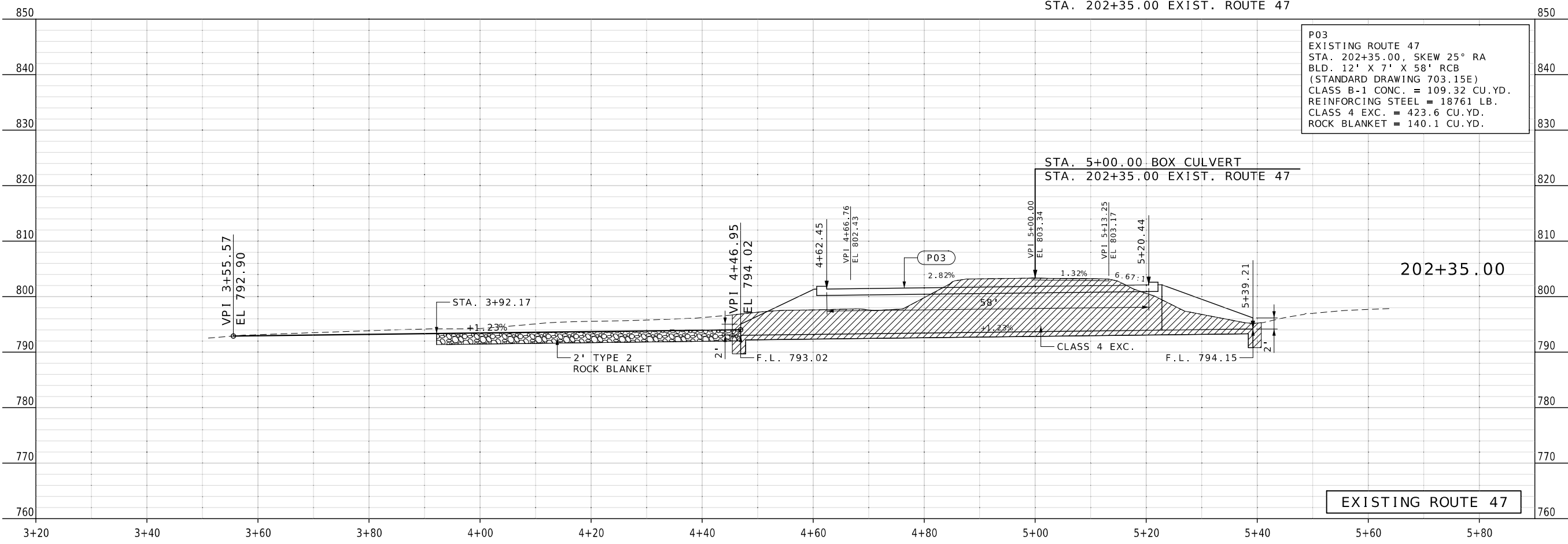
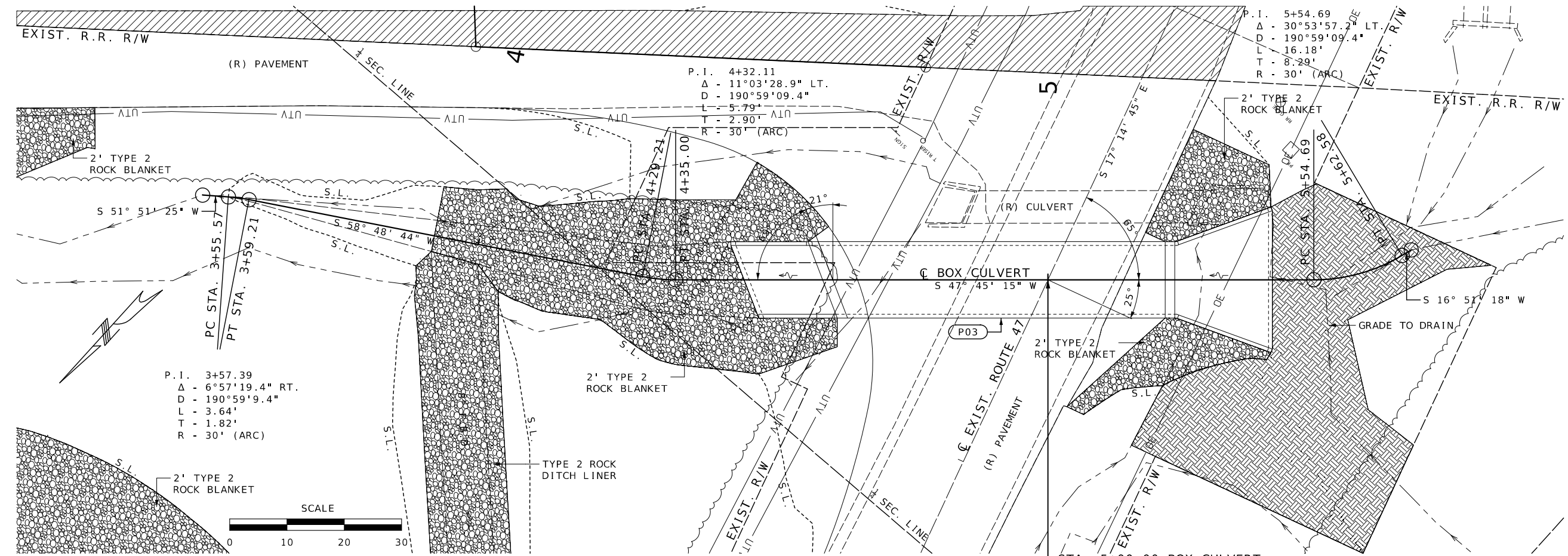
P02
RELOCATED RODERICK ROAD
STA. 13+59.16, SKEW $25^{\circ}\ 33'$ RA
BLD. 36" X 174" GR. C PIPE (36")
WITH 2-36" F.E.S.
CLASS 3 EXC. = 45.9 CU.YD.
ROCK LINING = 23.1 CU.YD.

RELOCATED RODERICK ROAD



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED		2/25/2026	
ROUTE	STATE	47	MO
DISTRICT	SHEET NO.	CD	82
COUNTY			
WASHINGTON			
JOB NO.			
JCD0135			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			



P03
 EXISTING ROUTE 47
 STA. 202+35.00, SKEW 25° RA
 BLD. 12' X 7' X 58' RCB
 (STANDARD DRAWING 703.15E)
 CLASS B-1 CONC. = 109.32 CU.YD.
 REINFORCING STEEL = 18761 LB.
 CLASS 4 EXC. = 423.6 CU.YD.
 ROCK BLANKET = 140.1 CU.YD.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CULVERT SECTION
 SHEET 3 OF 3

(120' - 195') CONTINUOUS COMPOSITE PLATE GIRDER SPANS



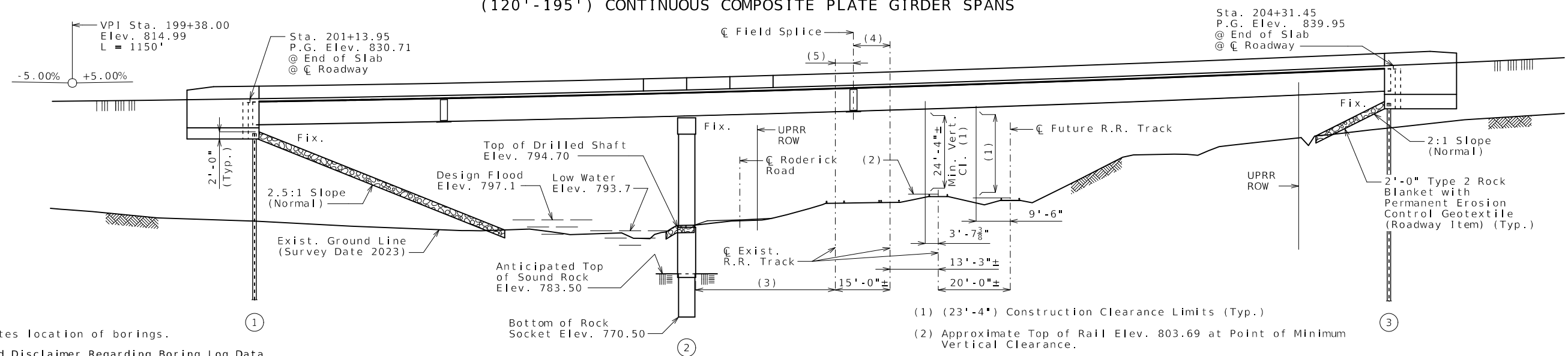
DATE PREPARED 3/2/2026
ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 1
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.

PROJECT NO.
BRIDGE NO. A9502

DATE	DESCRIPTION

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

BRIDGE: ROUTE 47 OVER UNION PACIFIC R.R. AND CADET CREEK
ROUTE 47 FROM ROUTE E TO ROUTE 67
ABOUT 1.2 MILES EAST OF ROUTE E
BEGINNING STATION 201+13.45



GENERAL ELEVATION

Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

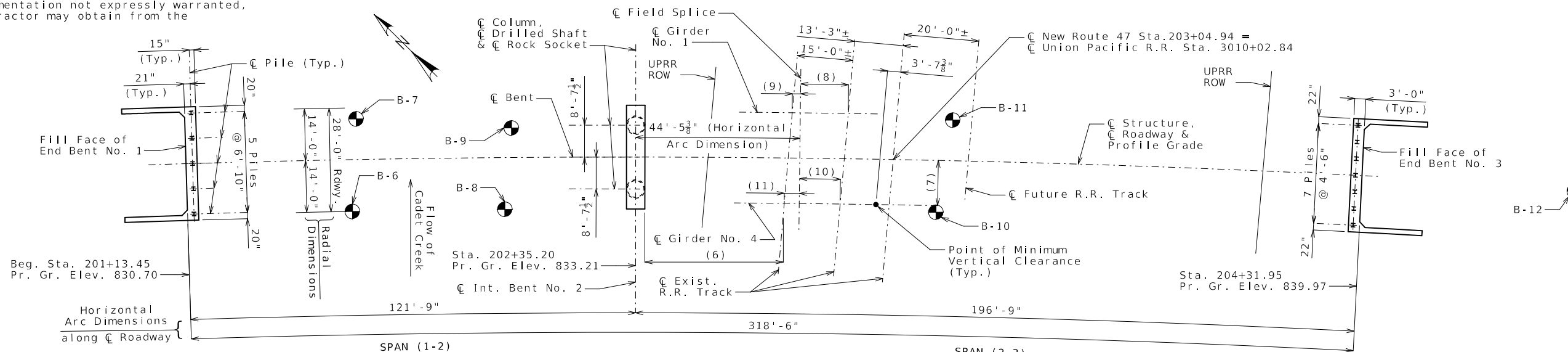
The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, are shown on Sheet(s) No. 33 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.

Notes:

For General Notes, Hydrologic Data, Foundation Data, Estimated Quantities, Estimated Quantities for Slab on Steel and Location Sketch, see Sheet No. 2.

Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam within the limits of the structure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.

- (1) (23'-4") Construction Clearance Limits (Typ.)
- (2) Approximate Top of Rail Elev. 803.69 at Point of Minimum Vertical Clearance.
- (3) Estimated minimum horizontal clearance from C Exist. R.R. Track to Int. Bent No. 2:
Cap Face = 38'-11"±
Column Face = 39'-2"±
- (4) 12'-11³/₈"± (Girder No. 1)
11'-1"± (Girder No. 4)
- (5) 2'-1¹/₈"± (Girder No. 1)
3'-11¹/₂"± (Girder No. 4)



PLAN

CURVE DATA
C PROPOSED ROUTE 47

PI = 202+99.63
Δ = 18°39'04.3" RT
D = 1°26'35.6"
L = 1292.33'
T = 651.93'
R = 3970.00'
SE = 3.4%

- (6) Cap Face = 38'-11", Column Face = 39'-2"
(Minimum Horizontal Clearance)
- (7) 11'-5" (Radial)
- (8) 12'-11³/₈"±
- (9) 2'-1¹/₈"±
- (10) 11'-1"±
- (11) 3'-11¹/₂"±

B.M.1-23 - CHISLED "■" IN S.E. CORNER OF 2'X2' CONCRETE PAD
239'± RT. STA. 203+01± C PROP. RTE. 47 ELEV. 806.39

Designed Aug. 2025
Detailed Sept. 2025
Checked Oct. 2025

GENERAL NOTES:

Design Specifications:
 2020 AASHTO LRFD Bridge Design Specifications (9th Ed.)
 2023 AASHTO Guide Specifications for LRFD Seismic Bridge Design (3rd Ed.)

Seismic Design Category = B

Design earthquake response spectral acceleration coefficient at 1.0 second period, $S_{D1} = 0.275g$.

Acceleration Coefficient (effective peak ground acceleration coefficient), $A_s = 0.236g$.

Design Loading:

Vehicular = HL-93
 Future Wearing Surface = 35 lb/sf
 Earth = 120 lb/cf
 Equivalent Fluid Pressure = 45 lb/cf (Min.)
 Superstructure: Simply-Supported, Non-Composite for dead load.
 Continuous Composite for live load.

Design Unit Stresses:

Class B Concrete (Substructure except Columns) f'c = 3,000 psi
 Class B-2 Concrete (Drilled Shafts & Rock Sockets) f'c = 4,000 psi
 Class B-1 Concrete (Barrier & Columns) f'c = 4,000 psi
 Class B-2 Concrete (Superstructure, except Barrier) f'c = 4,000 psi
 Reinforcing Steel (ASTM A706 Grade 60) fy = 60,000 psi
 Structural Steel HP Pile (ASTM A709 Grade 50) fy = 50,000 psi

Fabricated Steel Connections:

Field connections shall be made with 3/4-inch diameter ASTM F3125 Grade A325 Type 3 bolts and 13/16-inch diameter holes, except as noted.

Neoprene Pads:

Neoprene bearing pads shall be 60 durometer and shall be in accordance with Sec 716.

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.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710 except that no measurement will be made for mechanical bar splices and they will be considered completely covered by the contract unit price for other items.

Concrete Protective Coatings:

Temporary coating for concrete bents and piers (weathering steel) shall be applied on all concrete surfaces above the ground line or low water elevation on all abutments and intermediate bents in accordance with Sec 711.

Traffic Handling:

Structure to be closed during construction. Traffic to be maintained on other routes. See roadway plans for traffic control.

Miscellaneous:

High strength bolts, nuts and washers will be sampled for quality assurance as specified in Sec 106.

Item	cu. yard	Total
Class B-2 Concrete	341	
Reinforcing Steel (Galvanized)	91,130	

The table of Estimated Quantities for Slab on Steel (with Transparent Forms) represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for transparent forms, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

Slab shall be cast-in-place with transparent forms. Precast prestressed panels will not be permitted.

See special provisions for transparent form requirements.

Maximum actual weight of transparent forms allowed shall be 5 psf assumed for girder beam loading

Item	Substr.	Superstr.	Total
Class 1 Excavation	cu. yard	125	125
Bridge Approach Slab (Minor)	sq. yard	125	125
Drilled Shafts (5 ft. 0 in. Dia.)	linear foot	22.4	22.4
Rock Sockets (4 ft. 6 in. Dia.)	linear foot	26.0	26.0
Video Camera Inspection	each	2	2
Foundation Inspection Holes	linear foot	46.0	46.0
Sonic Logging Testing	each	2	2
Galvanized Structural Steel Piles (12 in.)	linear foot	509	509
Pre-Bore for Piling	linear foot	60	60
Pile Point Reinforcement	each	12	12
Class B Concrete (Substructure)	cu. yard	67.7	67.7
Class B-1 Concrete (Substructure)	cu. yard	29.6	29.6
Type D Barrier	linear foot	705	705
Slab on Steel (with Transparent Forms)	sq. yard	1082	1082
Reinforcing Steel (Bridges)	pound	17,620	17,620
Temporary Coating - Concrete Bents and Piers (Weathering Steel)	lump sum	1	1
Fabricated Structural Low Alloy Steel (Plate Girder) A709, Grade 50W	pound	471,260	471,260
Slab Drain	each	11	11
Vertical Drain at End Bents	each	2	2
Laminated Neoprene Bearing Pad (Tapered)	each	8	8
Laminated Neoprene Bearing Pad Assembly	each	4	4

All concrete above the lower construction joint in the end bents is included in the Estimated Quantities for Slab on Steel (with Transparent Forms).

All reinforcement in the end bents is included in the Estimated Quantities for Slab on Steel (with Transparent Forms).

Cost of L4x4 ASTM A709 Grade 36 HP pile anchors and 3/4-inch diameter ASTM F3125 Grade A325 Type 1 bolts, complete in place, will be considered completely covered by the contract unit price for Galvanized Structural Steel Piles (12 in.).

Type of Reinforcing Steel	Type Used (✓)
Galvanized Steel Reinforcing Bars	
Textured Epoxy Coated Steel Reinforcing Bars	

MoDOT construction personnel will indicate the type of reinforcing steel used.

Type	Design Data	Bent Number			
		1	2	3	
Load Bearing Pile	Pile Type and Size	HP 12x53	-	HP 12x53	
	Number	5	-	7	
	Approximate Length Per Each	ft	36	-	47
	Pile Point Reinforcement	ea	All	-	All
	Min. Galvanized Penetration (Elev.)	ft	Full Length	-	Full Length
	Pile Driving Verification Method		DF	-	DF
	Resistance Factor		0.4	-	0.4
	Minimum Nominal Axial Compressive Resistance	kip	554	-	616
Rock Socket	Number	ea	-	2	-
	Foundation Material		-	Strong Rock	-
	Elevation Range	ft	-	779.5-758.4	-
	Minimum Nominal Axial Compressive Resistance (Side Resistance)	ksf	-	16.3	-
Minimum Nominal Axial Compressive Resistance (Tip Resistance)	ksf	-	236.60	-	

Load Bearing Pile:

DF = FHWA-modified Gates Dynamic Pile Formula

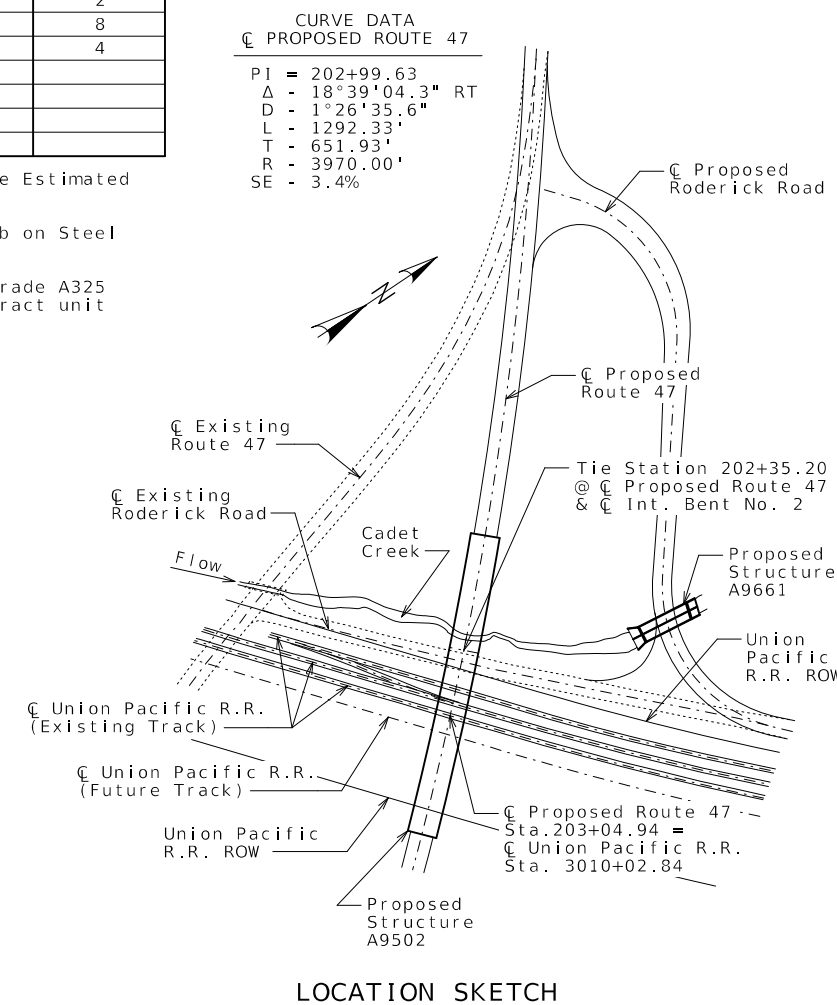
Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$

Rock Socket (Drilled Shafts):

Minimum Nominal Axial Compressive Resistance = $\frac{\text{Maximum Factored Loads}}{\text{Resistance Factor}}$ (Side Resistance)

Drilled shafts and rock sockets shall be constructed per geotechnical report recommendations.

Drainage Area = 0.5 mi ²
Design Flood Frequency = 50 years
Design Flood Discharge = 680 cfs
Design Flood (D.F.) Elevation = 797.1
Base Flood (100-year)
Base Flood Elevation = 797.5
Base Flood Discharge = 800 cfs
Estimated Backwater = 0.3 ft
Average Velocity thru Opening = 4.0 ft/s
Freeboard (50-year)
Freeboard = 28.6 ft
Roadway Overtopping
Overtopping Flood Discharge = N/A
Overtopping Flood Frequency ≥ 500 years
Overtopping Flood Elevation = N/A



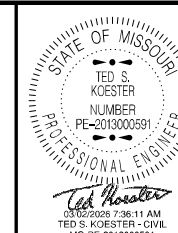
LOCATION SKETCH

All piles shall be galvanized down to the minimum galvanized penetration (elevation).

Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

The contractor shall make every effort to achieve the minimum galvanized penetration (elevation) shown on the plans for all piles. Deviations in penetration less than 5 feet of the minimum will be considered acceptable provided the contractor makes the necessary corrections to ensure the minimum penetration is achieved on subsequent piles.

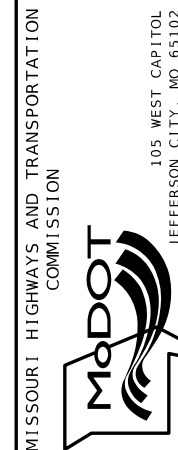
Prebore for piles at Bents No. 1 & 3 to elevations 791.00 & 817.00, respectively.

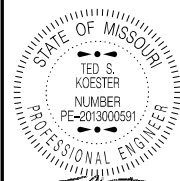


DATE PREPARED
 3/2/2026
 ROUTE 47 STATE MO
 DISTRICT BR SHEET NO. 2
 COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO. A9502

DESCRIPTION	DATE





DATE PREPARED
3/2/2026

ROUTE 47 STATE MO

DISTRICT BR SHEET NO. 3

COUNTY WASHINGTON

JOB NO. JCD0135

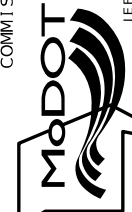
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PROJECT NO.

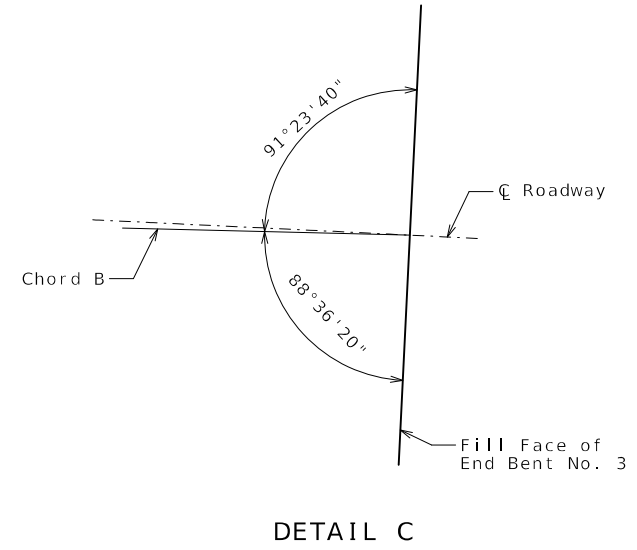
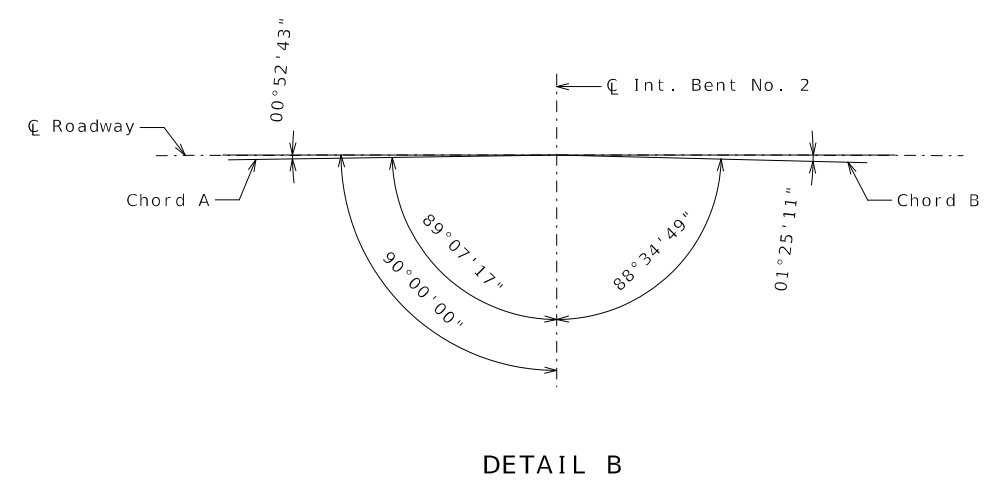
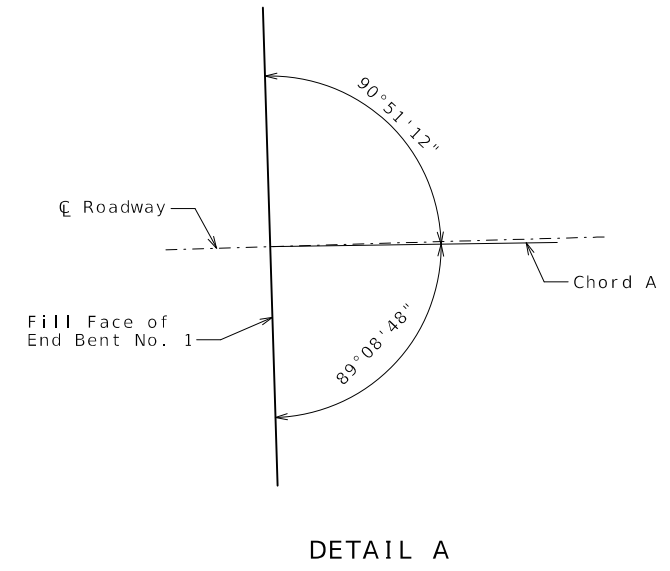
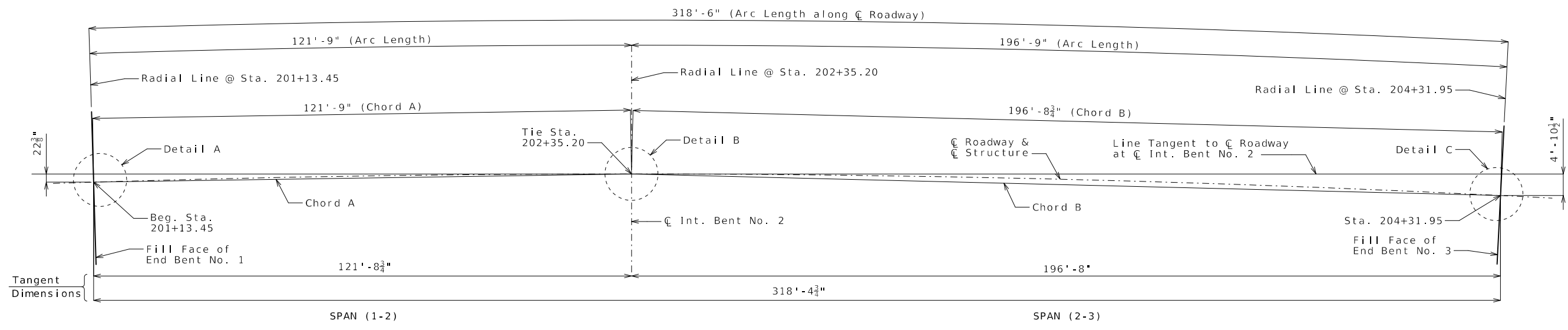
BRIDGE NO. A9502

DATE	DESCRIPTION

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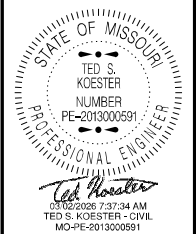
Notes:
All dimensions are horizontal.
All stationing is located along \bar{C} Proposed Route 47.

PLAN SHOWING LAYOUT DATA FOR SUBSTRUCTURE

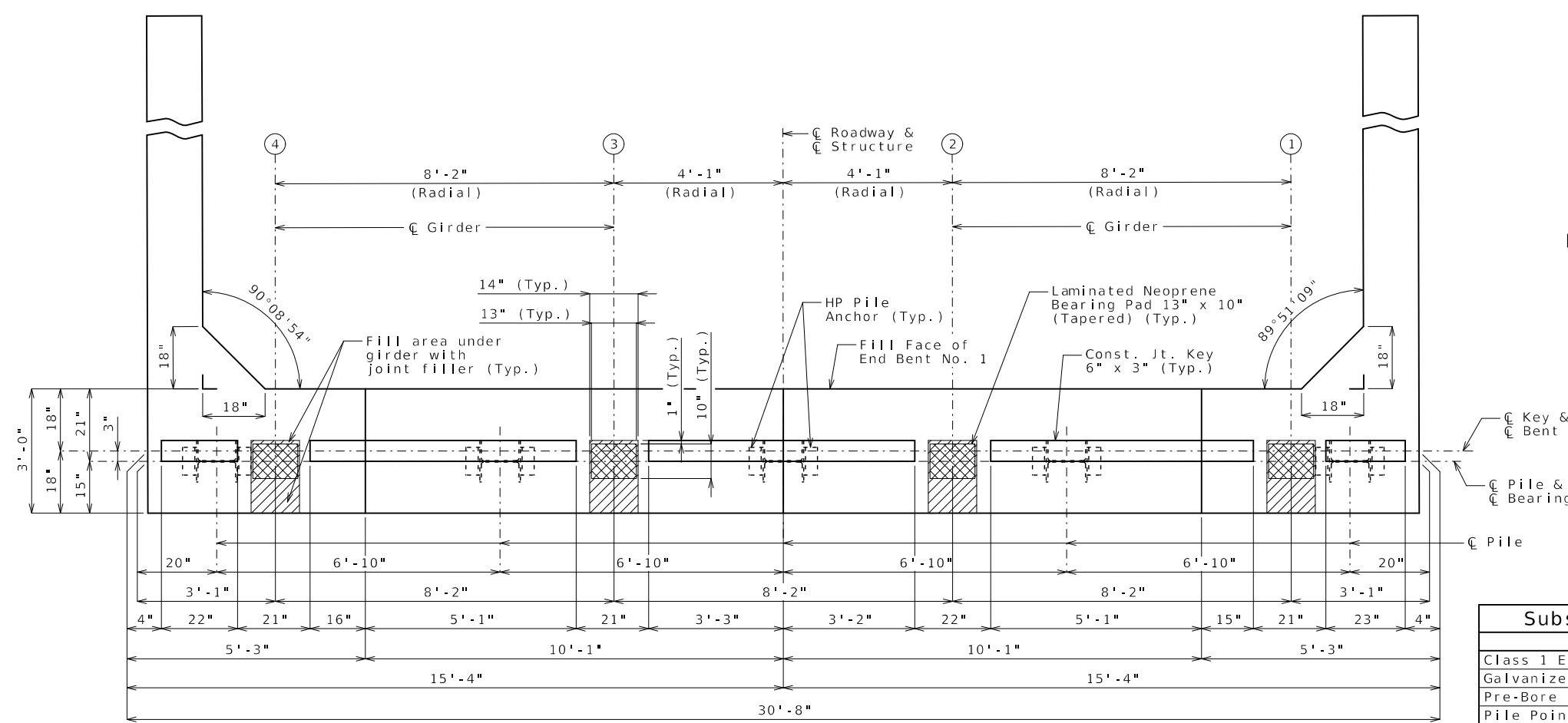
Detailed Aug. 2025
Checked Oct. 2025

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

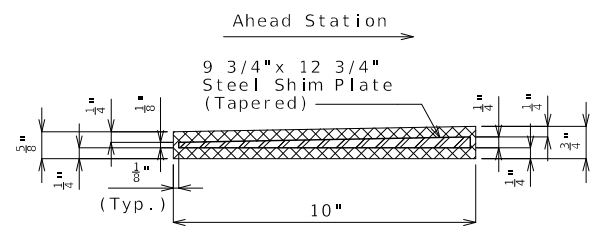
Sheet No. 3 of 33



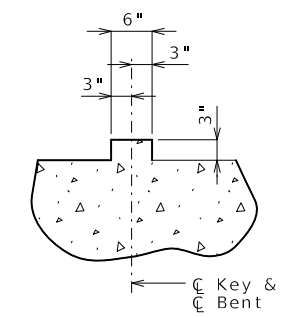
DATE PREPARED
3/2/2026
ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 4
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9502



PLAN OF BEAM



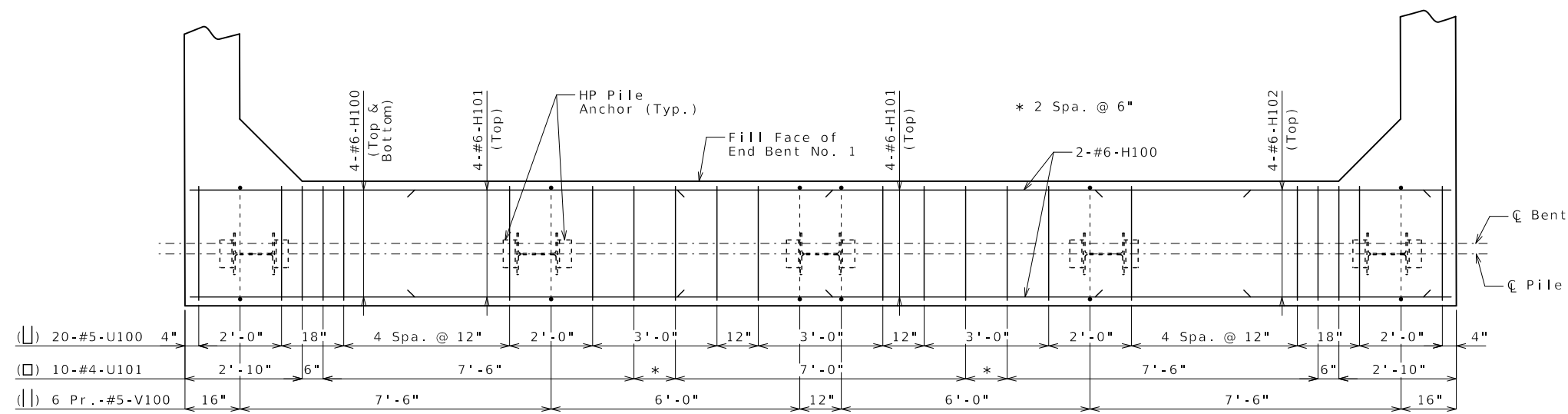
TYPICAL SECTION THRU 10" x 13" LAMINATED NEOPRENE BEARING PAD (TAPERED)



SECTION THRU KEY

Substructure Quantity Table for Bent No. 1		
Item	Quantity	
Class 1 Excavation	cu. yard	60
Galvanized Structural Steel Piles (12 in.)	linear foot	180
Pre-Bore for Piling	linear foot	25
Pile Point Reinforcement	each	5
Class B Concrete (Substructure)	cu. yard	16.5

These quantities are included in the Estimated Quantities table on Sheet No. 2.



PLAN OF BEAM SHOWING REINFORCEMENT
(Beam steps not shown for clarity)

Notes:
Work this sheet with Sheets No. 5 & 6.
Reinforcing steel shall be shifted to clear piles. U bars shall clear piles by at least 1 1/2 inches.
The U bars and pairs V bars shall be placed parallel to centerline of roadway.
For details of vertical drain at end bent, see Sheet No. 7.

END BENT NO. 1

Detailed Aug. 2025
Checked Oct. 2025

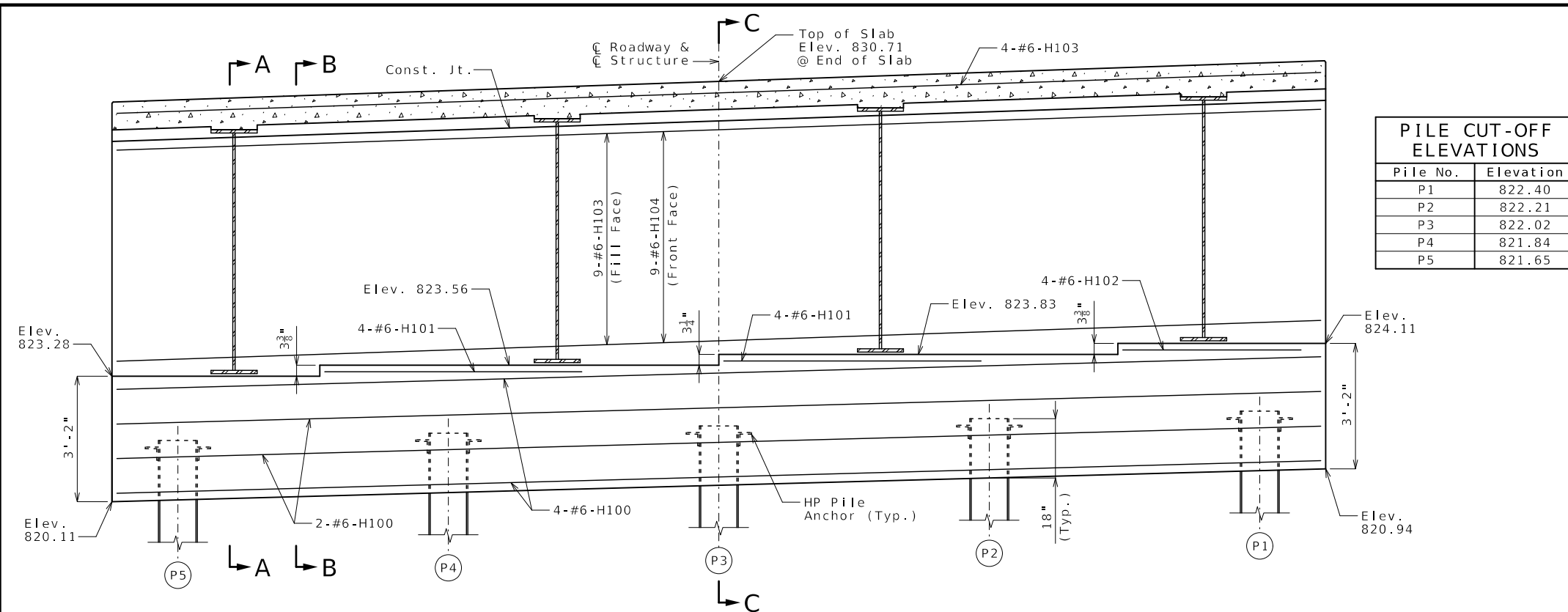
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 33

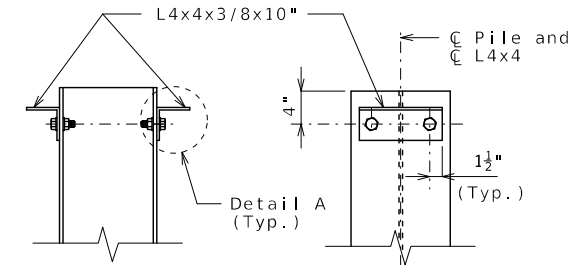
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

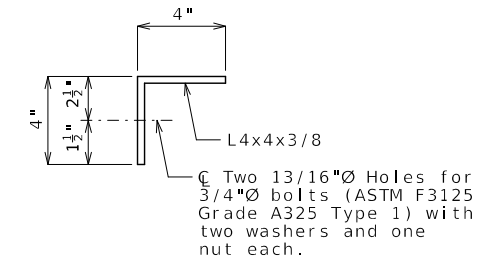
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



Pile No.	Elevation
P1	822.40
P2	822.21
P3	822.02
P4	821.84
P5	821.65

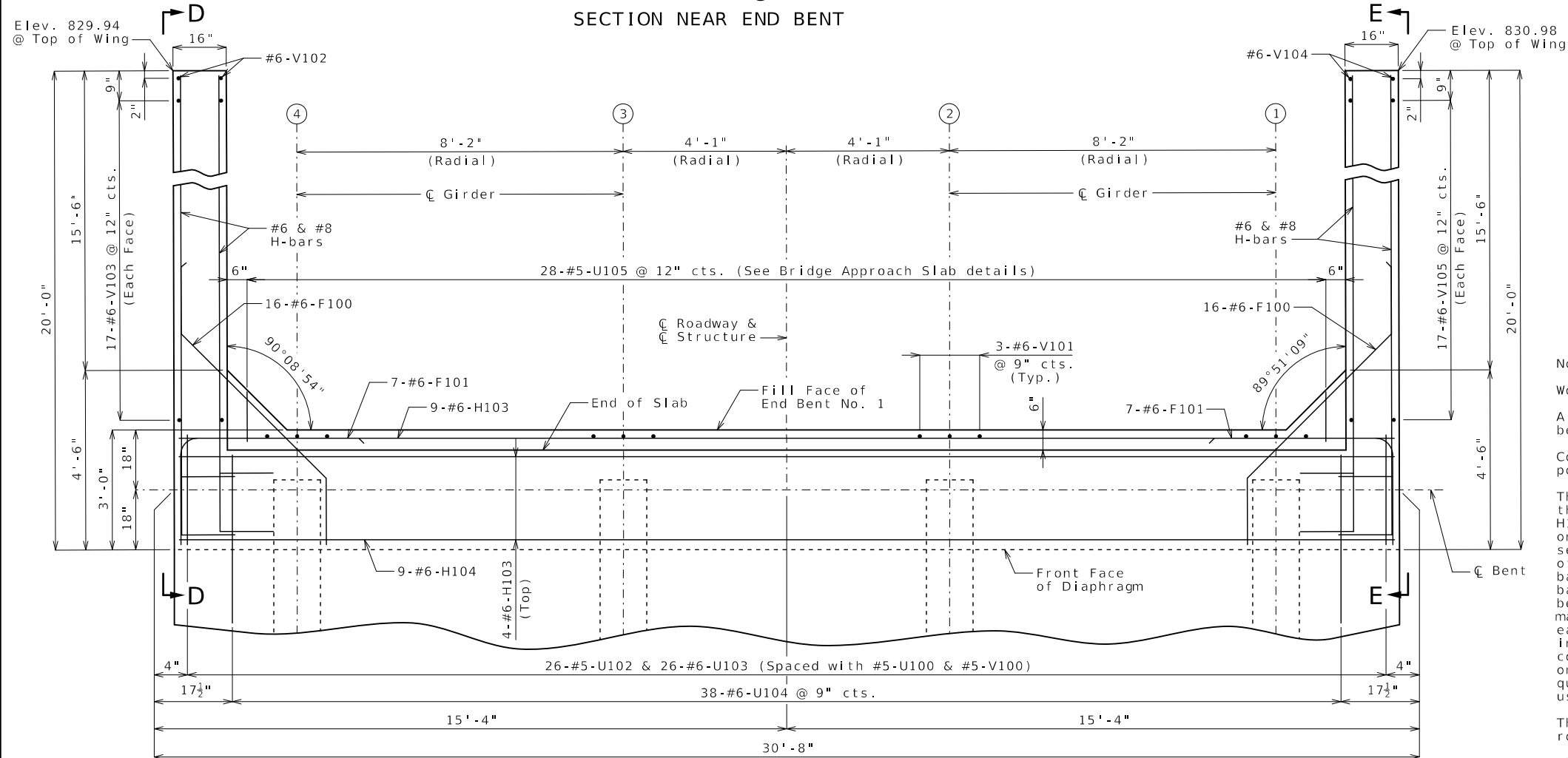


DETAILS OF HP PILE ANCHORS

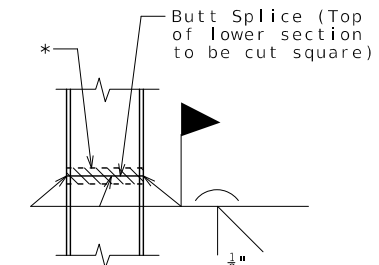


DETAIL A

Angles shall be coated with a minimum of two coats of non-aluminum epoxy mastic primer to provide a dry film thickness of 4 mils minimum, 8 mils maximum, or galvanized in accordance with Sec 1081. Bolts, washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.



PART PLAN
END BENT NO. 1



STEEL PILE SPLICE
(If required)

* Galvanizing material shall be omitted or removed one inch clear of weld locations in accordance with Sec 702.

Notes:

Work this sheet with Sheets No. 4 & 6.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

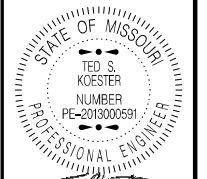
Concrete diaphragms at the integral end bents shall be poured a minimum of 12 hours before the slab is poured.

The #6-H104 bars are segmented for ease of placement through girder web holes. The total bar length for #6-H104 bars shown in Bill of Reinforcing Steel allows for one lap splice with a length of 3'-10". Actual bar segment lengths to be determined by contractor for ease of installing bars. The contractor may use a mechanical bar splice in lieu of a lap splice. When a mechanical bar splice is used, the actual bar segment length will be determined by the contractor to accommodate manufacturer's recommendations for installation and ease of construction. The cost of furnishing and installing the bar splices will be considered completely covered by the contract unit price for Slab on Steel (with Transparent Forms). No adjustment of the quantity of reinforcing steel will be allowed for the use of mechanical bar splices.

The U bars shall be placed parallel to centerline of roadway.

The #6-F100 bars shall be bent in field to clear girders.

For details of bridge approach slab, see Sheet No. 29.



DATE PREPARED
3/2/2026

ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 5

COUNTY
WASHINGTON

JOB NO.
JCD0135
CONTRACT ID.

PROJECT NO.

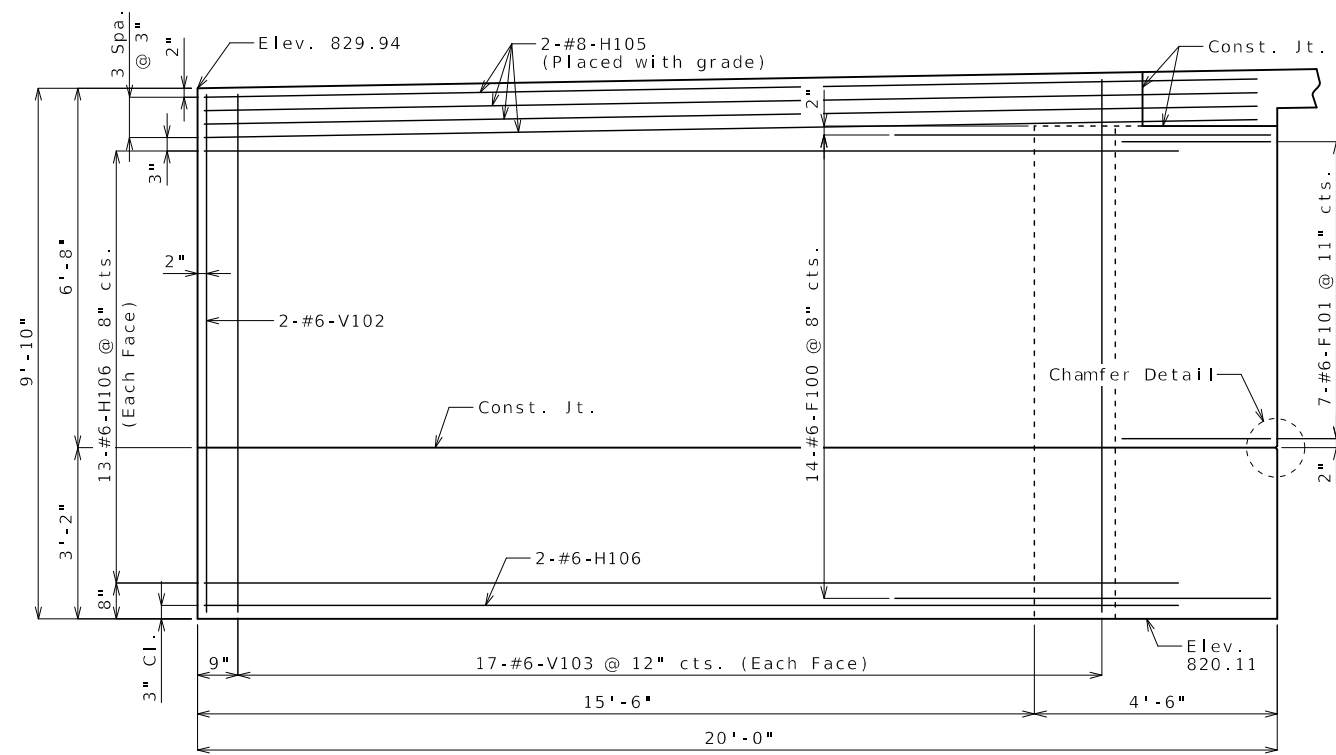
BRIDGE NO.
A9502

DESCRIPTION	DATE

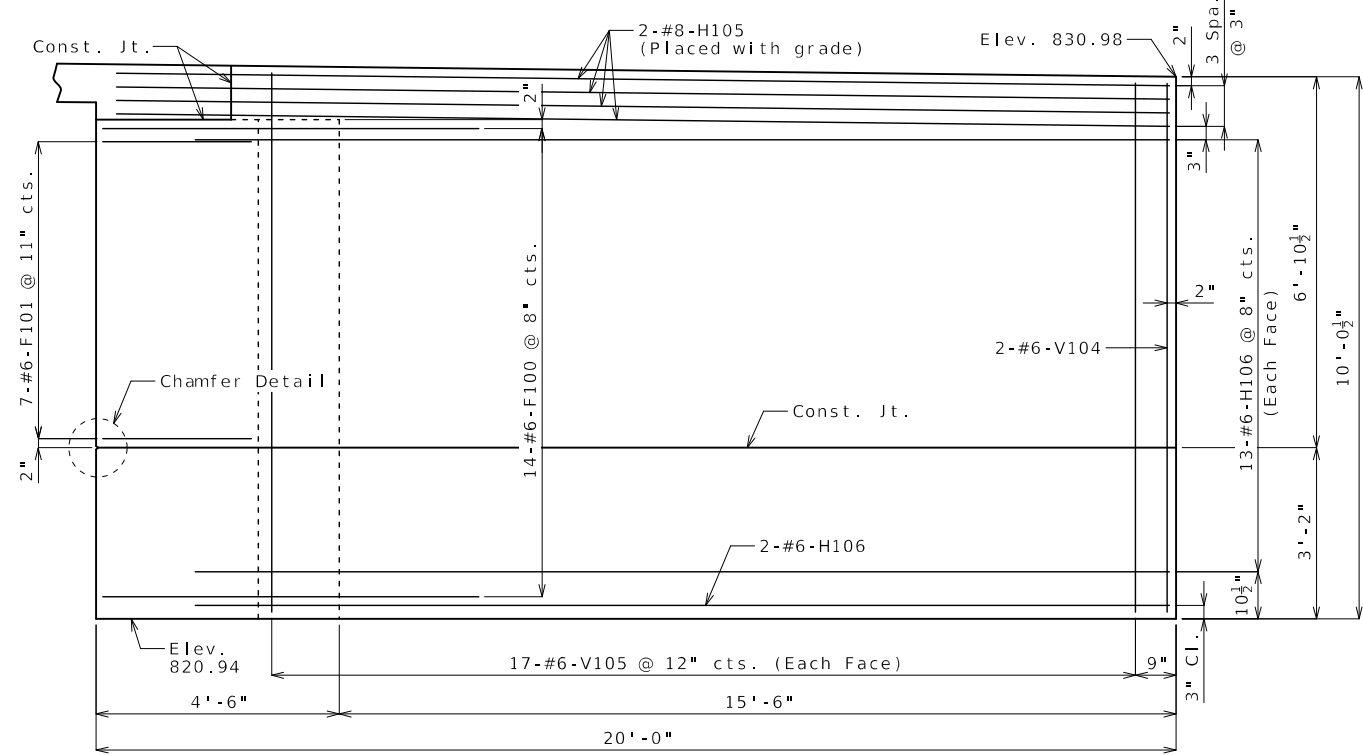
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

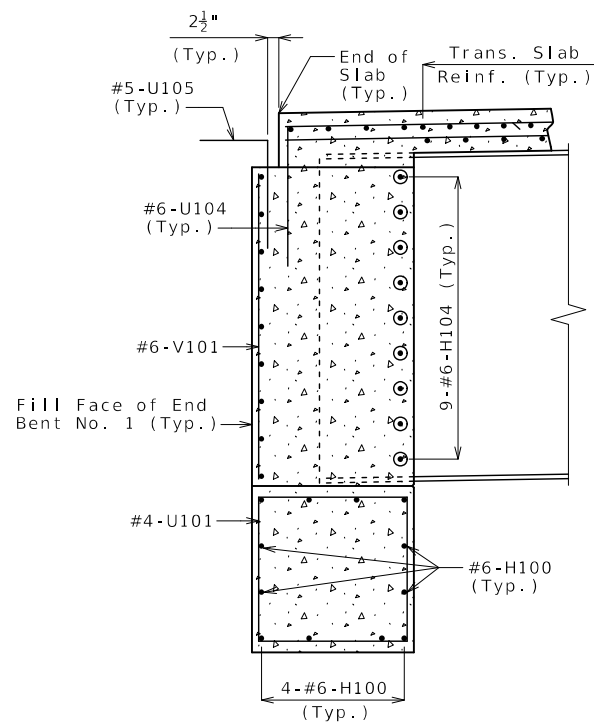




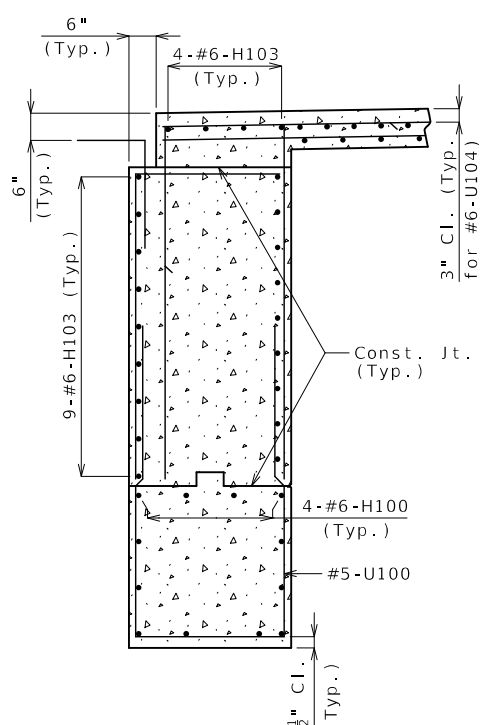
ELEVATION D-D



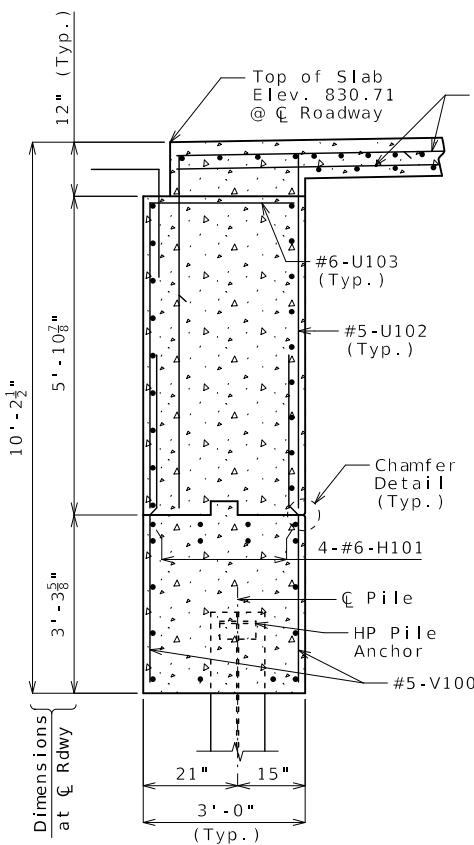
ELEVATION E-E



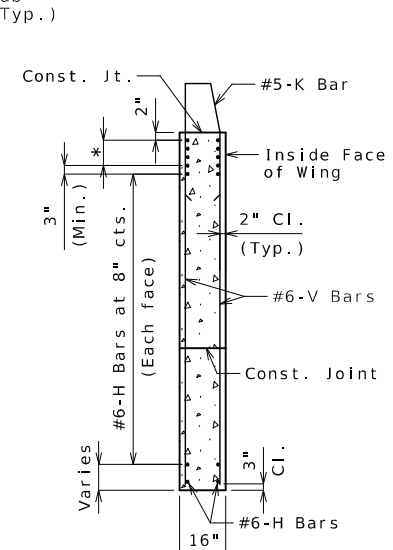
SECTION A-A



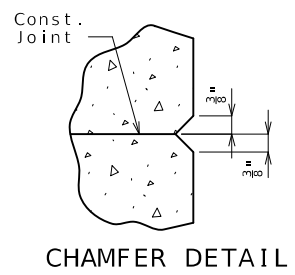
SECTION B-B



SECTION C-C



TYPICAL SECTION THRU WING
* #8-H Bars at 3" cts. (Each face) (Place with grade)



CHAMFER DETAIL

Notes:
Work this sheet with Sheets No. 4 & 5.
For reinforcement of the barrier, see Sheets No. 27 & 28.
For locations of Sections A-A, B-B & C-C and Elevations D-D & E-E, see Sheet No. 5.

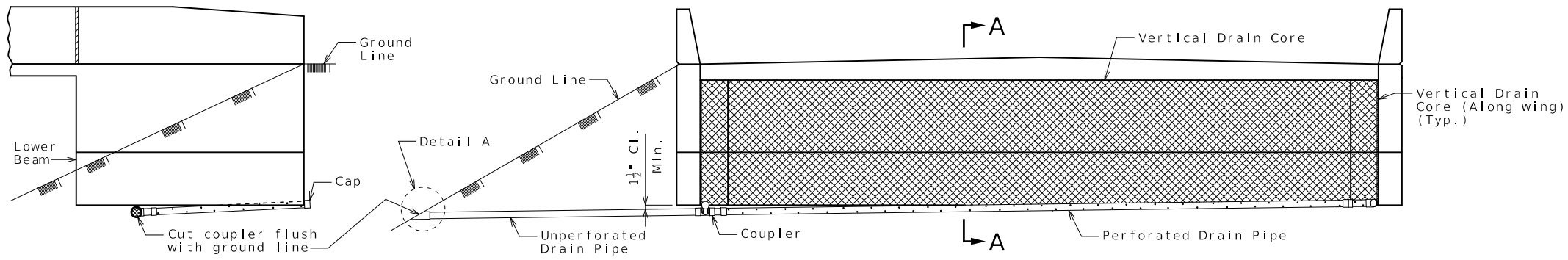
END BENT NO. 1

Detailed Aug. 2025
Checked Oct. 2025

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

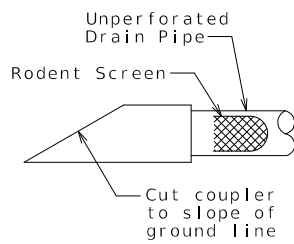
Sheet No. 6 of 33

STATE OF MISSOURI
TED S. KOESTER
PROFESSIONAL ENGINEER
NUMBER PE-2013000991
DATE PREPARED 3/2/2026
ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 6
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9502
DESCRIPTION
DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

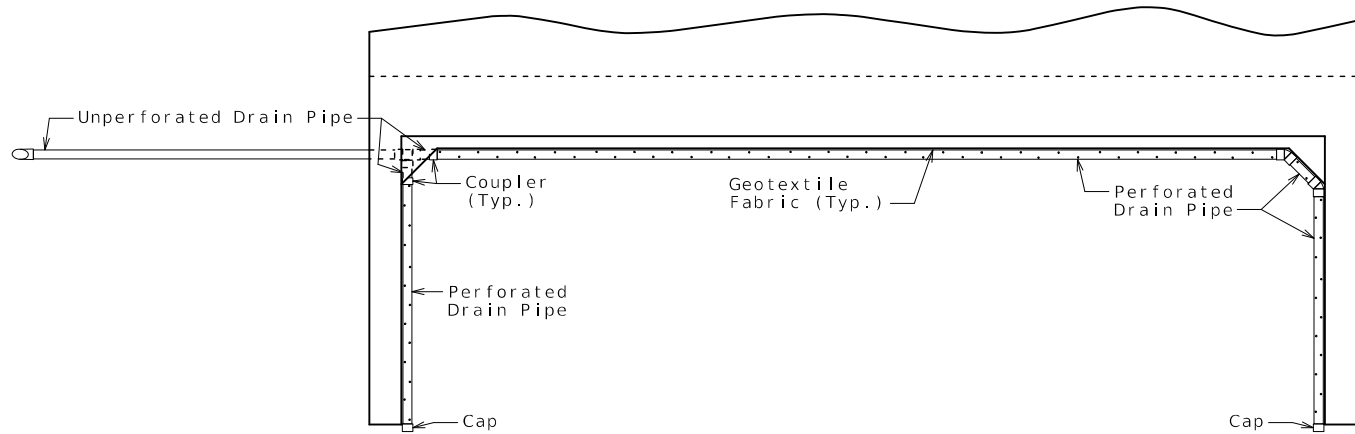


ELEVATION OF WING

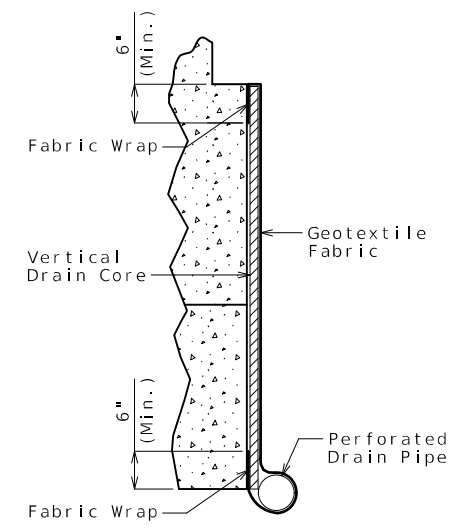
ELEVATION OF END BENT



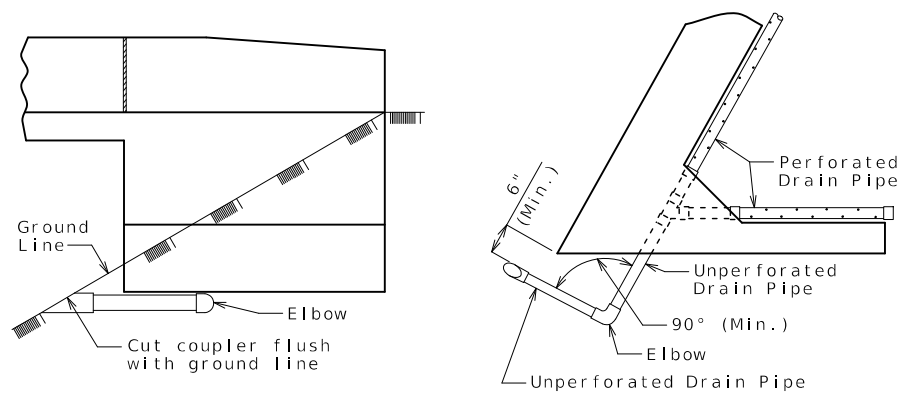
DETAIL A



PLAN OF END BENT



PART SECTION A-A
(Section thru wing similar)



OPTIONAL TURNED DRAIN
(Use only when straight drain is not practical.)

General Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

VERTICAL DRAIN AT END BENTS
(Squared end bent shown, skewed end bent similar)

Detailed Aug. 2025
Checked Oct. 2025

STATE OF MISSOURI
 TED S. KOESTER
 NUMBER
 PE-2013000591
 PROFESSIONAL ENGINEER
 Ted Koester
 05/02/2025 7:38:48 AM
 TED S. KOESTER - CIVIL
 MO-PE-2013000591

DATE PREPARED
 3/2/2026

ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
BR	7

COUNTY
 WASHINGTON

JOB NO.
 JCD0135

CONTRACT ID.

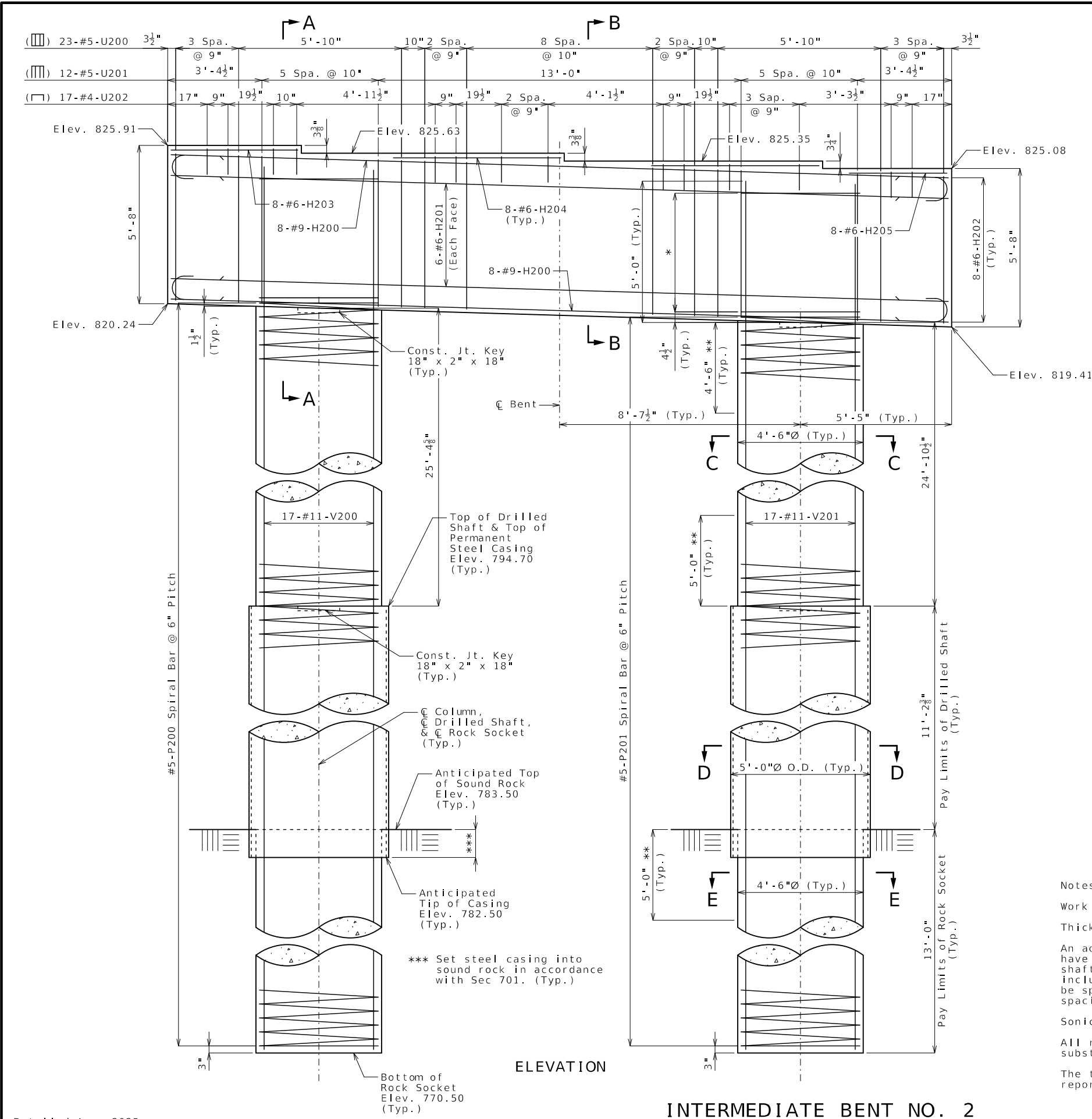
PROJECT NO.

BRIDGE NO.
 A9502

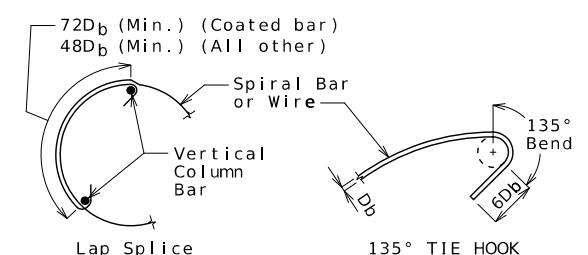
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

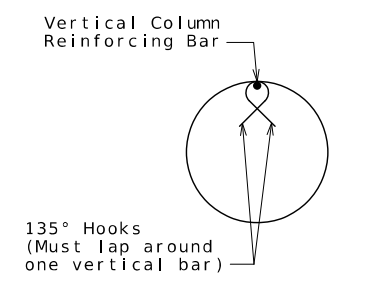


* 18-#4-P202 @ 3" cts. (Typ.)
 ** Lap splicing of the #5-P bars (Spiral) will not be permitted within this region. If lapping is unavoidable, a mechanical bar splice (MBS) will be required. No additional payment will be made for these MBS.



INTERMEDIATE SPLICE OF SPIRALS

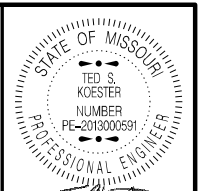
Standard 135-degree tie hooks that engage vertical column reinforcing bars shall be provided at each end of splice.



SEISMIC STIRRUP BAR

Notes:

- Work this sheet with Sheet No. 9.
- Thickness of permanent steel casing shall be in accordance with Sec 701.
- An additional 4 feet has been added to V-bar lengths and spiral bar heights and have been added in the quantities, if required, for possible change in drilled shaft or rock socket length. The additional V-bar length shall be cut off or included in the reinforcement lap if not required. The additional P bars shall be spaced similarly to that shown in elevation, if required, or to a lesser spacing if not required, but not less than 6-inch centers.
- Sonic logging testing shall be performed on all drilled shafts and rock sockets.
- All reinforcement in drilled shaft and rock socket is included in the substructure quantities.
- The tip of casing shall not extend into the rock socket elevation range reported in the Foundation Data table without approval by the engineer.



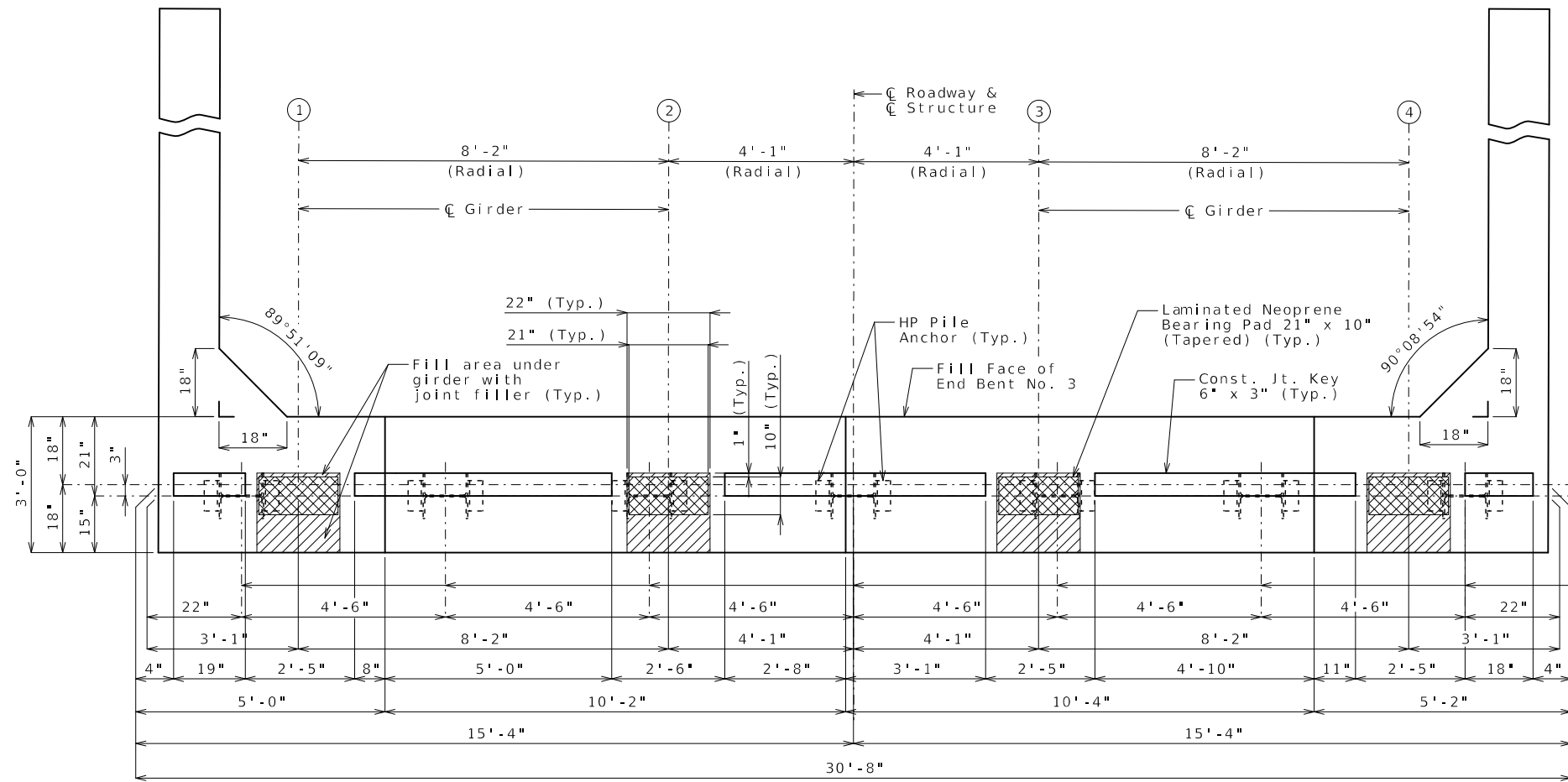
DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 8
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9502	

DESCRIPTION	DATE

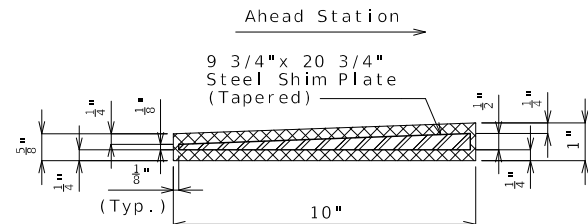
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

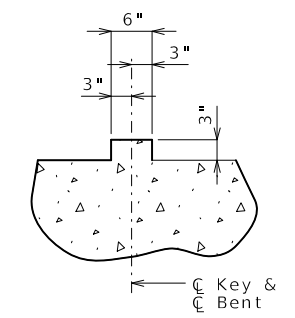
INTERMEDIATE BENT NO. 2



PLAN OF BEAM



TYPICAL SECTION THRU 10" x 21" LAMINATED NEOPRENE BEARING PAD (TAPERED)

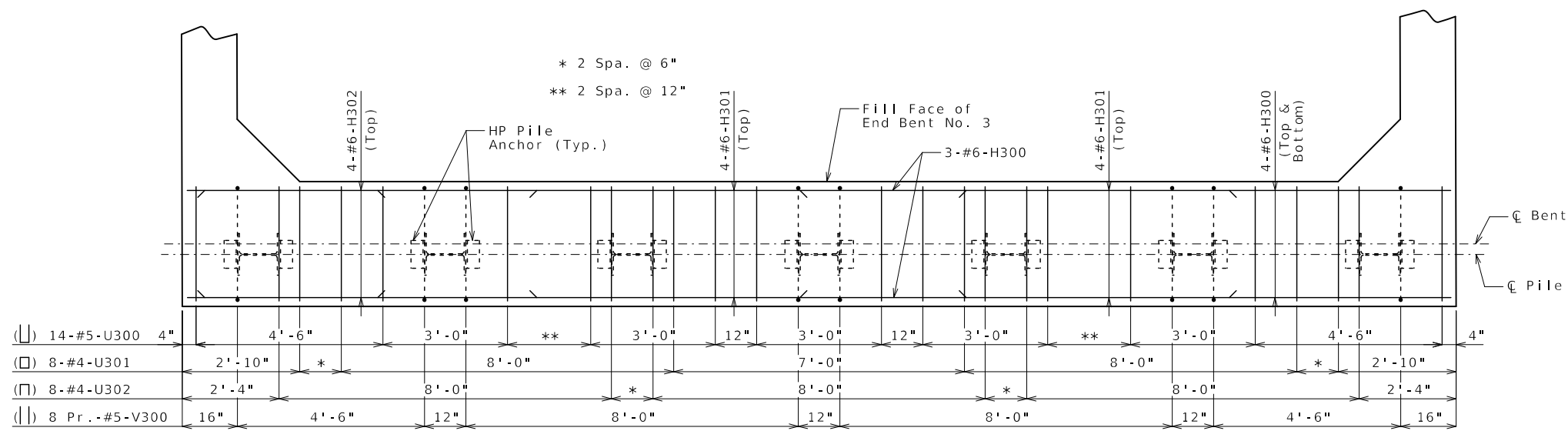


SECTION THRU KEY

Substructure Quantity Table for Bent No. 3

Item		Quantity
Class 1 Excavation	cu. yard	65
Galvanized Structural Steel Piles (12 in.)	linear foot	329
Pre-Bore for Piling	linear foot	35
Pile Point Reinforcement	each	7
Class B Concrete (Substructure)	cu. yard	21.7

These quantities are included in the Estimated Quantities table on Sheet No. 2.



PLAN OF BEAM SHOWING REINFORCEMENT
(Beam steps not shown for clarity)

Notes:
 Work this sheet with Sheets No. 11 & 12.
 Reinforcing steel shall be shifted to clear piles. U bars shall clear piles by at least 1 1/2 inches.
 The U bars and pairs V bars shall be placed parallel to centerline of roadway.
 For details of vertical drain at end bent, see Sheet No. 7.

END BENT NO. 3

Detailed Aug. 2025
 Checked Oct. 2025

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

Sheet No. 10 of 33

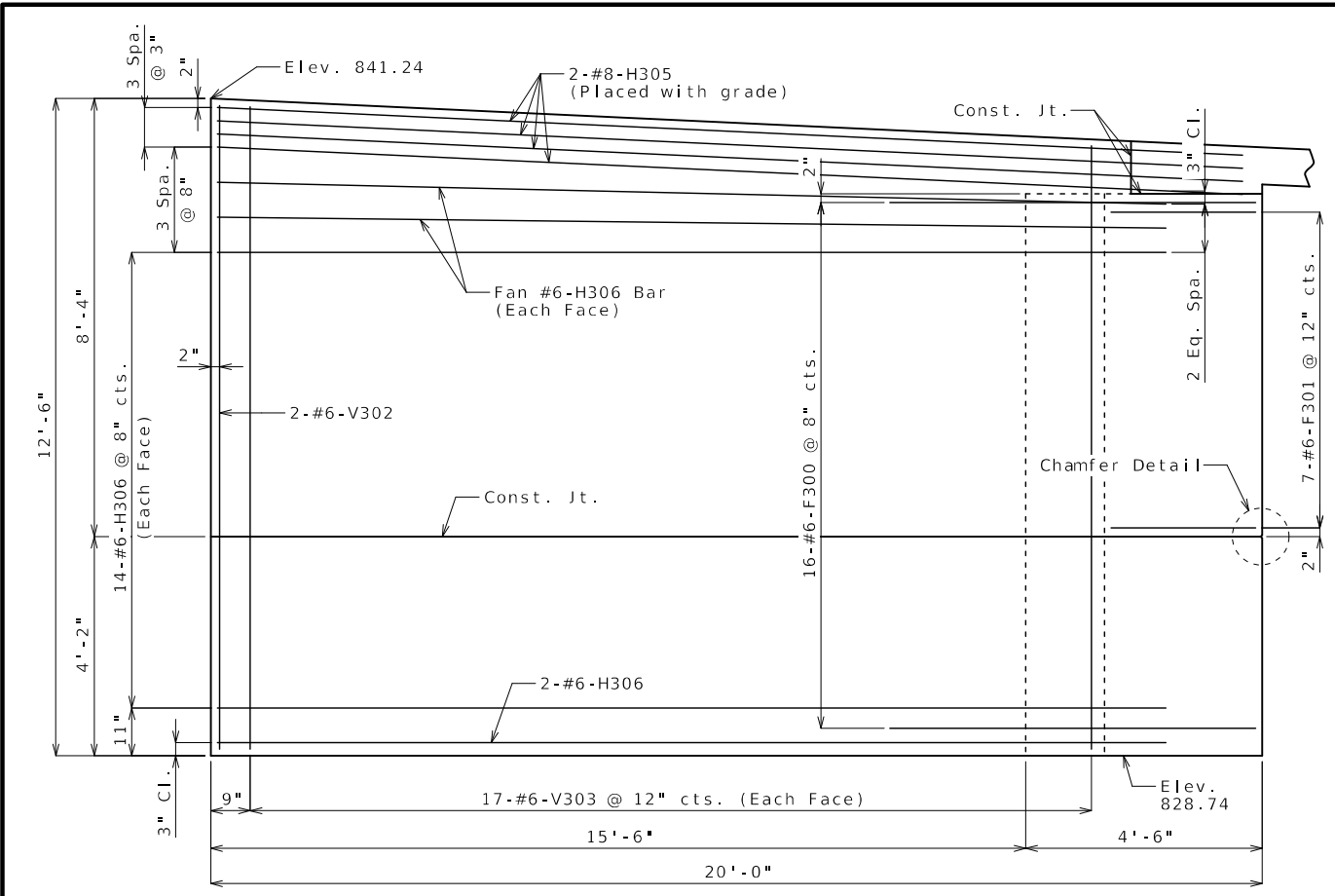


DATE PREPARED
 3/2/2026
 ROUTE 47 STATE MO
 DISTRICT BR SHEET NO. 10
 COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO. A9502

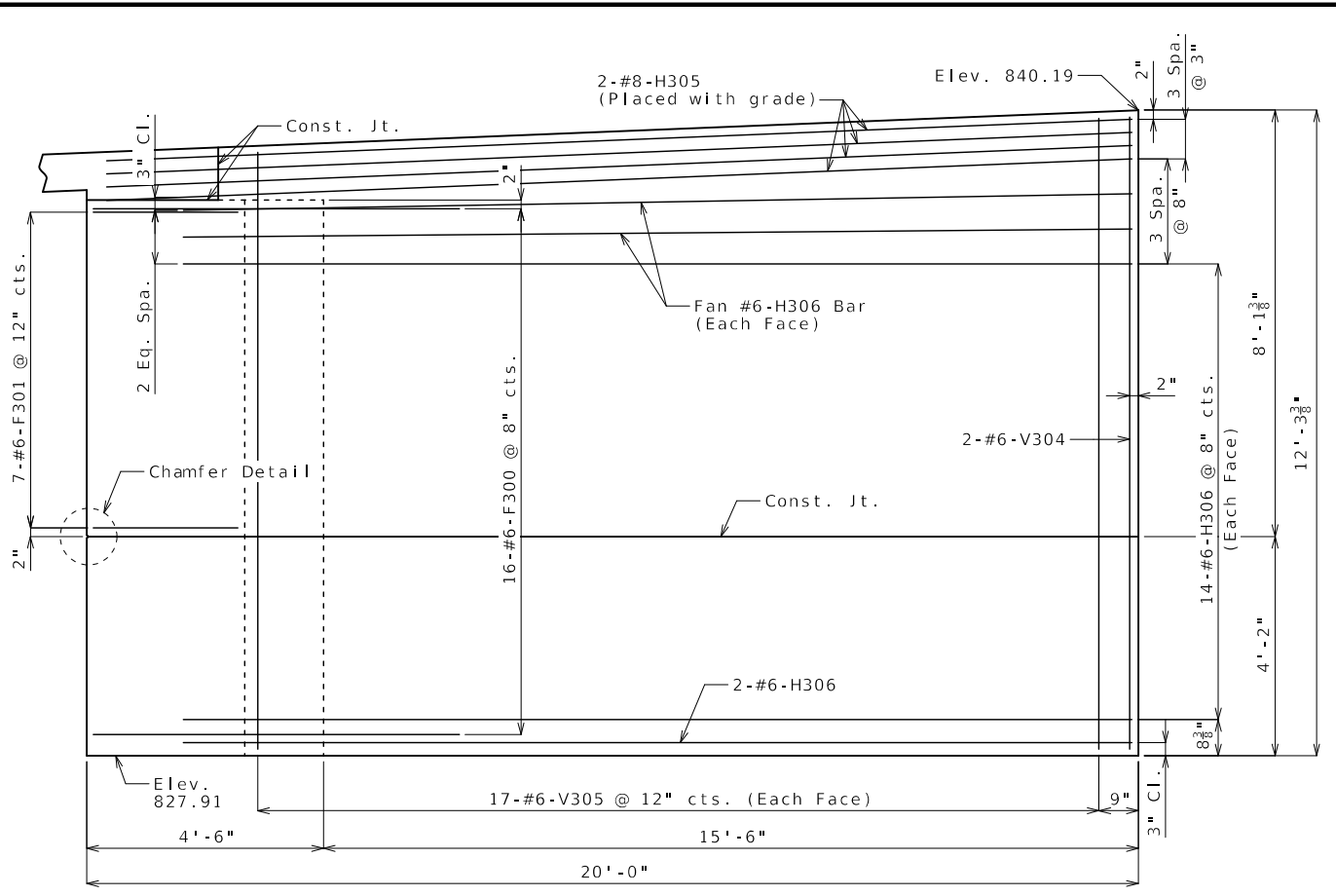
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

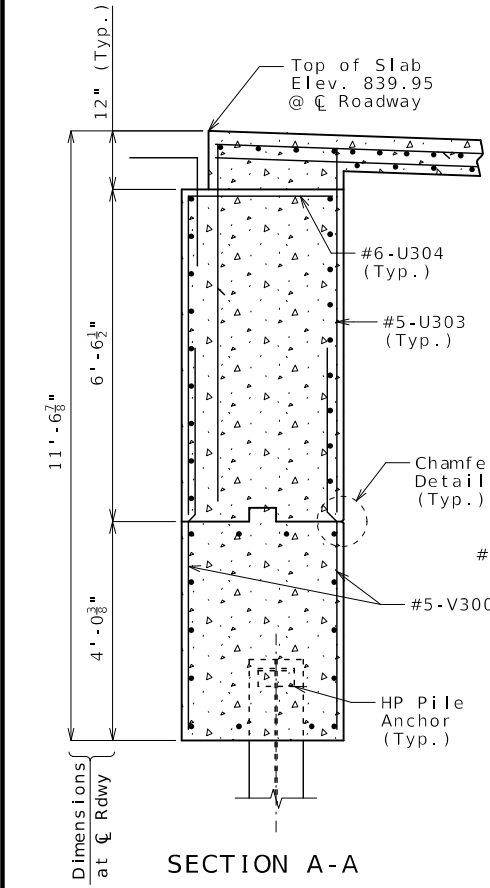
105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



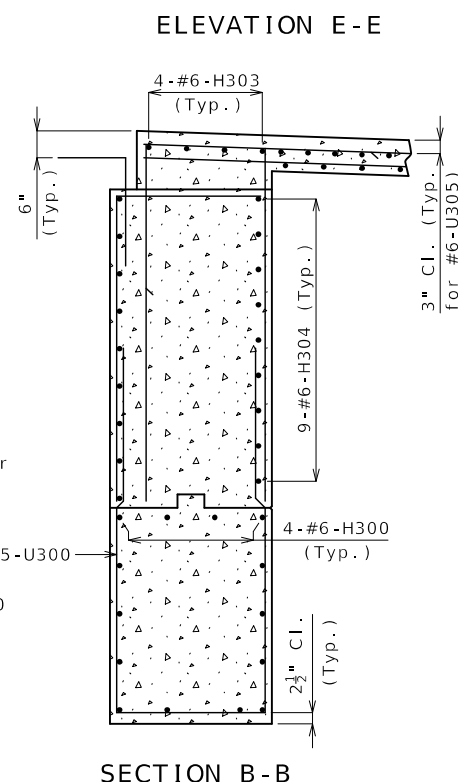
ELEVATION E-E



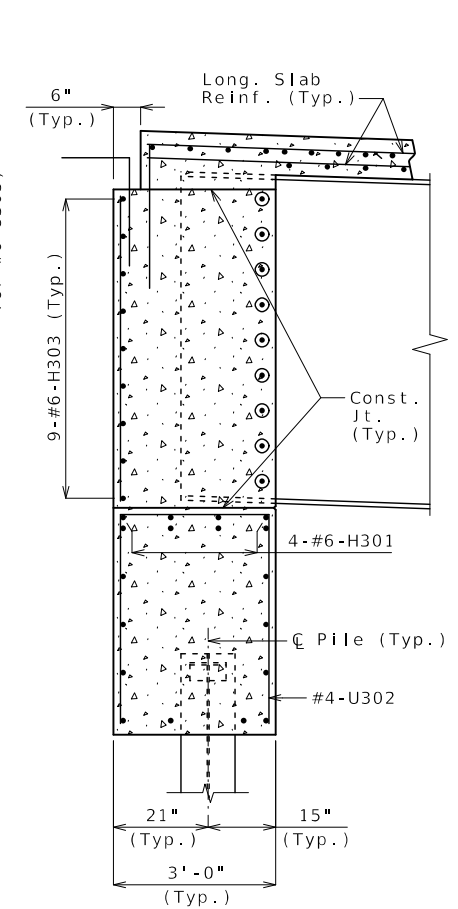
ELEVATION F-F



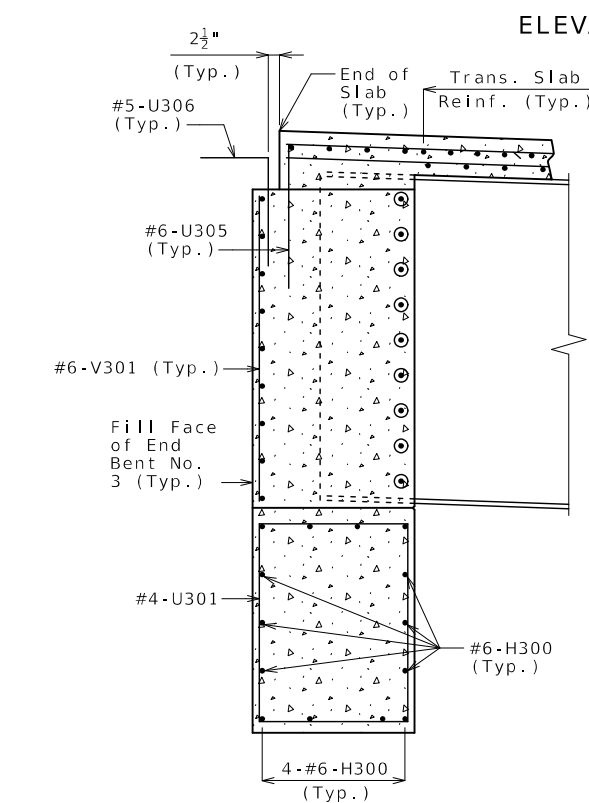
SECTION A-A



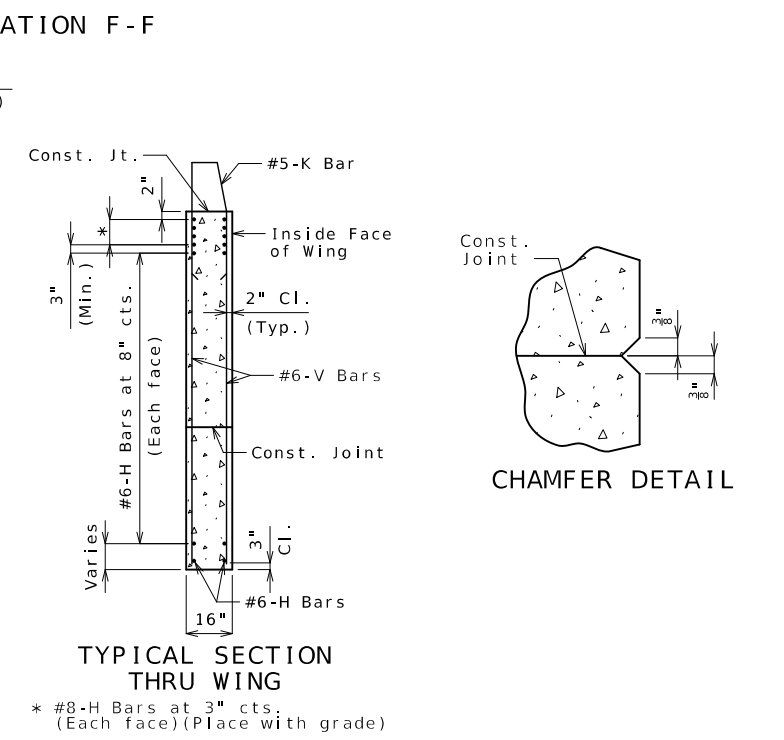
SECTION B-B



SECTION C-C



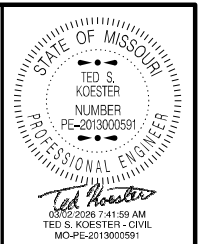
SECTION D-D



TYPICAL SECTION THRU WING

* #8-H Bars at 3" cts. (Each face) (Place with grade)

Notes:
 Work this sheet with Sheets No. 10 & 11.
 For reinforcement of the barrier, see Sheets No. 27 & 28.
 For location of Sections A-A, B-B, C-C & D-D and Elevations E-E & F-F, see Sheet No. 11.



DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 12
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9502	

DATE	DESCRIPTION

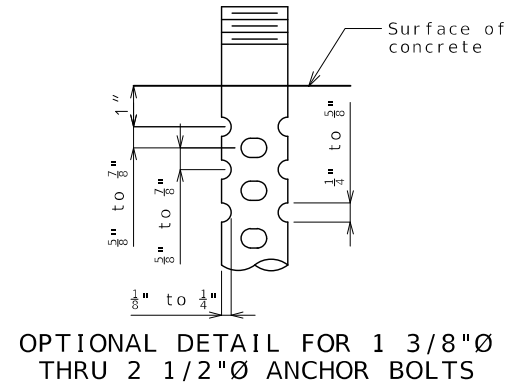
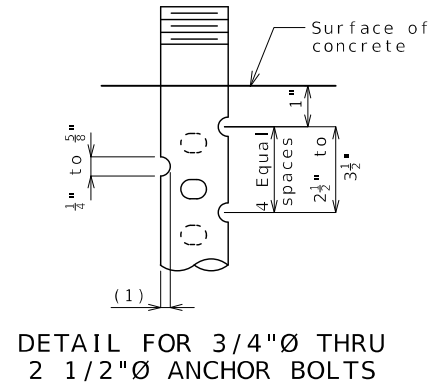
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

Detailed Aug. 2025
 Checked Oct. 2025

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

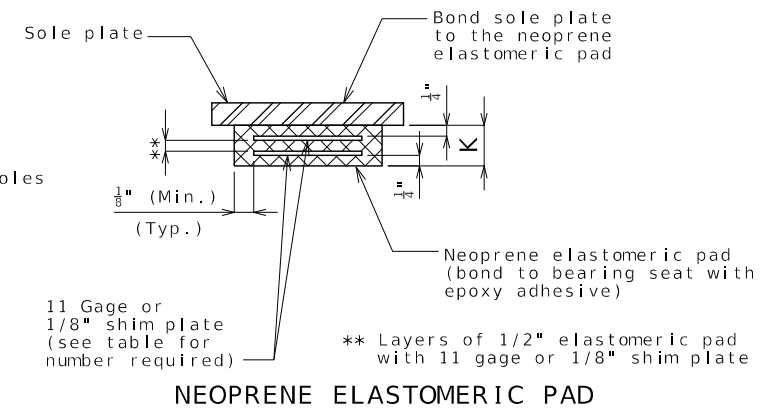
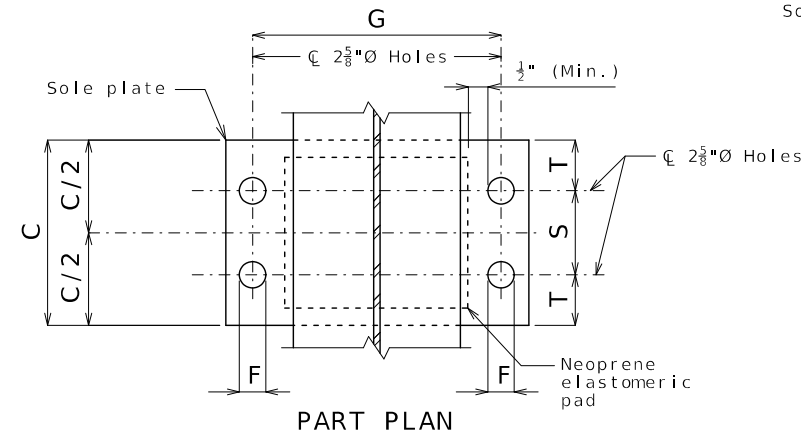
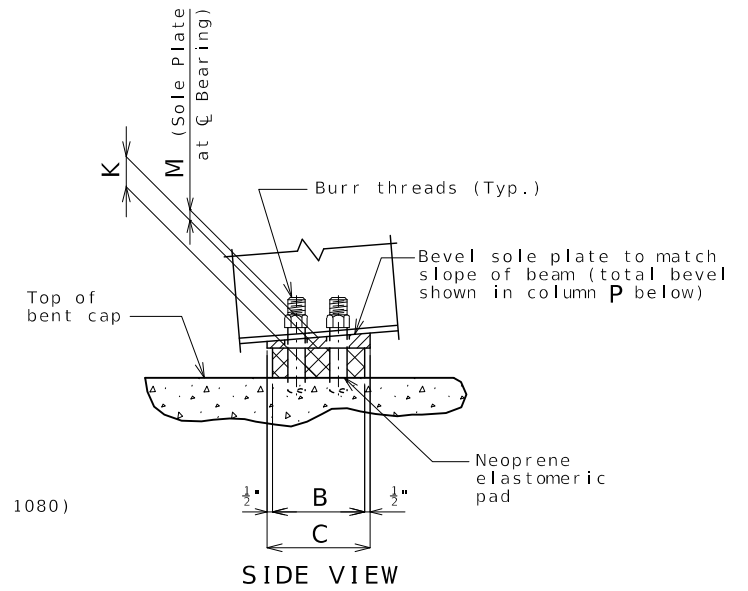
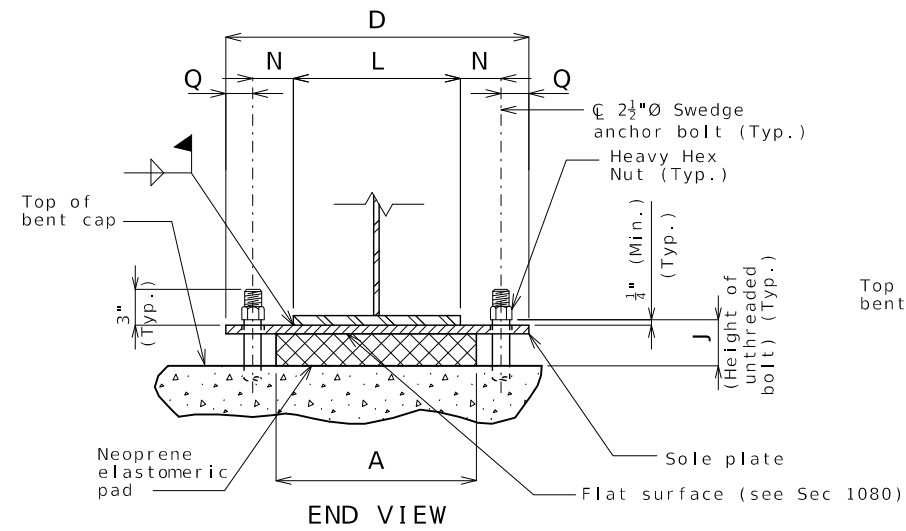
END BENT NO. 3

Sheet No. 12 of 33



SWEDGE ANCHOR BOLT DETAILS

- (1) 1/8" for 3/4" thru 1 1/4" anchor bolts
- 1/8" to 1/4" for 1 3/8" thru 2 1/2" anchor bolts



FIXED BEARINGS															NUMBER OF SHIM PLATES *	NUMBER REQUIRED	
BENT NO.	A	B	C	D	F	G	J	K	L	M	N	P	Q	S			T
2	2'-0"	20"	21"	2'-11 1/2"	2 5/8"	2'-3 5/8"	6 7/16"	4 3/8"	22"	1 1/2"	2 3/8"	5/8"	3 3/4"	12"	4 1/2"	7	4
																TOTAL BEARINGS	4

* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

GENERAL NOTES:

Anchor bolts shall be 2 1/2"Ø ASTM F1554 Grade 105 swedged bolts and shall extend 25" into the concrete with ASTM A563 Grade A Heavy Hex nuts. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided. Swedging shall be 1" less than extension into the concrete.

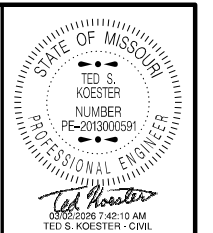
Anchor bolts and heavy hex nuts shall be galvanized in accordance with with AASHTO M 232 (ASTM A153), Class C.

Neoprene Elastomeric Pads shall be 60 Durometer.

Structural steel for sole plate shall be ASTM A709 Grade 50W. The welds shall have corrosion resistance and weathering characteristics compatible with the base material.

Laminated Neoprene Bearing Pad Assembly shall be in accordance with Sec 716.

LAMINATED NEOPRENE BEARING PAD ASSEMBLY

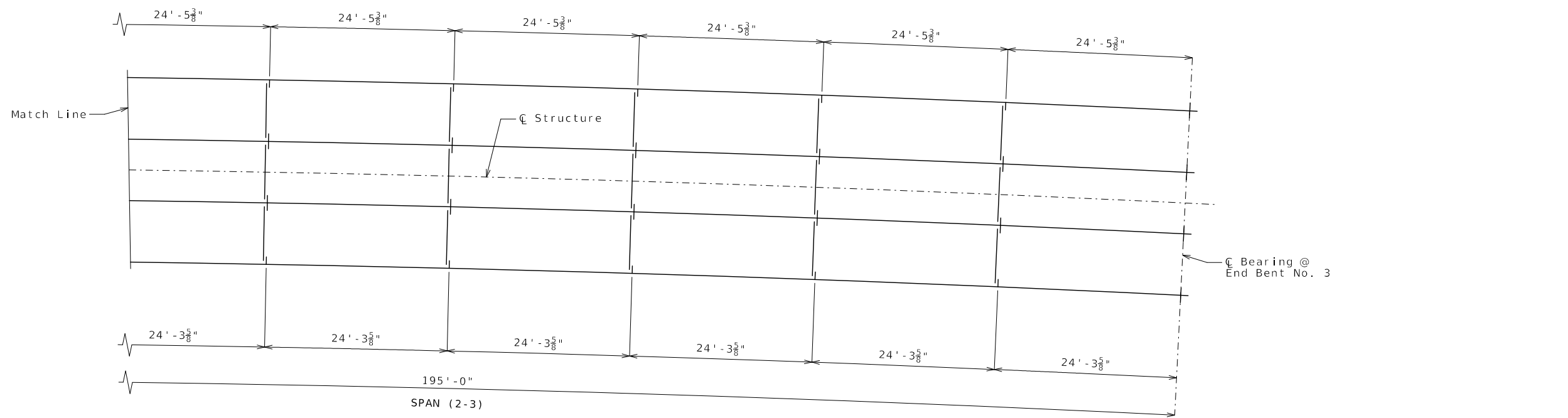
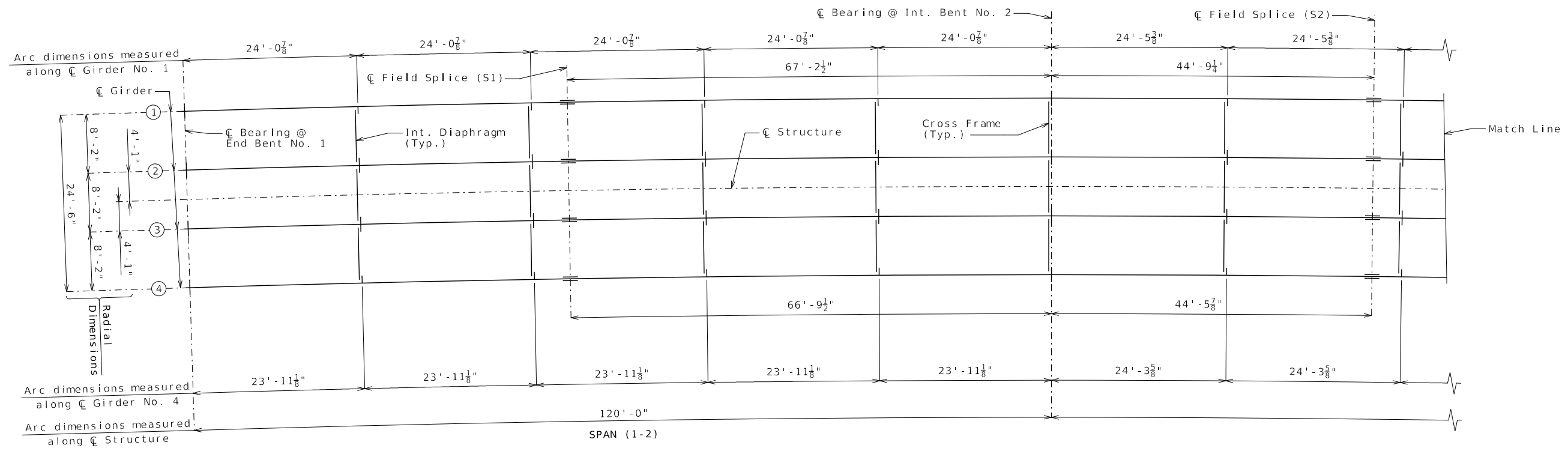


DATE PREPARED	
3/2/2026	
ROUTE	STATE
47	MO
DISTRICT	SHEET NO.
BR	13
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
A9502	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



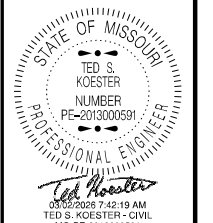
GIRDER RADIUS DIMENSIONS	
GIRDER NO.	RADIUS
1	3982.25'
2	3974.08'
3	3965.92'
4	3957.75'

Notes:

- Longitudinal dimensions are horizontal arc dimensions.
- All intermediate diaphragms, cross frames and end diaphragms are placed radially.
- All fabricated structural steel shall be ASTM A709 Grade 50W, except as shown.
- For details of bolted field splices and shop welded splices, see Sheet No. 18.
- For elevation of girder, part longitudinal section and details of shear connectors, see Sheet No. 15.
- For details of intermediate diaphragms, cross frames and details of bearing stiffeners and connection plates, see Sheet No. 19.

PART PLAN OF STRUCTURAL STEEL

Detailed Aug. 2025
Checked Oct. 2025

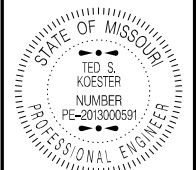


DATE PREPARED
3/2/2026
ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 14
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9502

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
3/2/2026

ROUTE 47 STATE MO

DISTRICT BR SHEET NO. 15

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

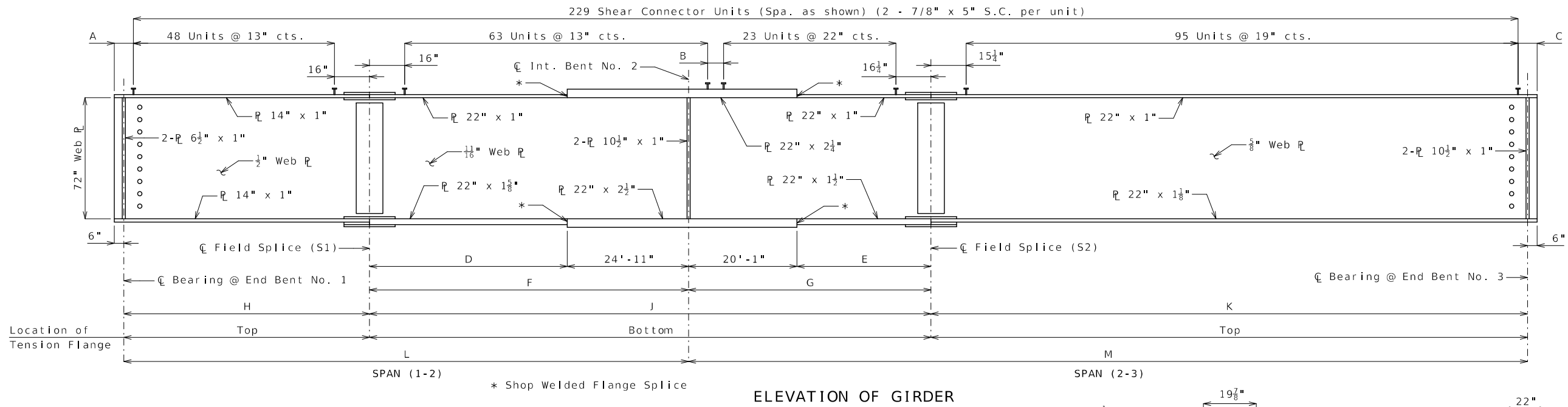
PROJECT NO.

BRIDGE NO. A9502

DESCRIPTION	DATE

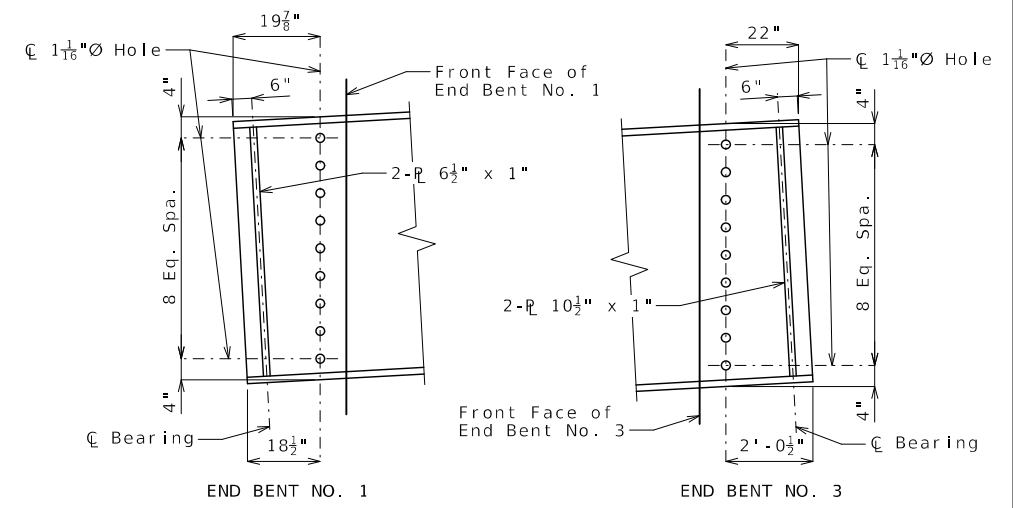
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



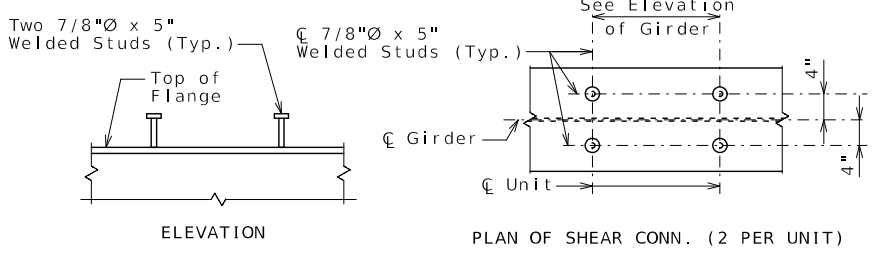
ELEVATION OF GIRDER

GIRDER NO.	A	B	C	D	E	F	G	H	J	K	L	M
1	17"	21 1/2"	14 3/4"	42'-3 1/2"	24'-8 1/4"	67'-2 1/4"	44'-9 1/4"	52'-3"	111'-11 3/4"	150'-10"	120'-4 1/2"	195'-7 1/4"
2	15 3/8"	18 3/4"	11"	42'-1 7/8"	24'-7 3/8"	67'-0 3/8"	44'-8 3/8"	53'-0 3/8"	111'-9"	150'-6 1/4"	120'-1 1/2"	195'-2 3/8"
3	14 3/8"	15 7/8"	7 3/8"	42'-0 3/8"	24'-6"	66'-11 1/8"	44'-7"	52'-11 3/8"	111'-6 3/8"	150'-2 3/8"	119'-10 1/2"	194'-9 3/8"
4	13"	13 3/8"	3 3/8"	41'-10 1/2"	24'-4 3/8"	66'-9 1/2"	44'-5 7/8"	52'-10"	111'-3 3/8"	149'-10 3/8"	119'-7 1/2"	194'-4 3/8"

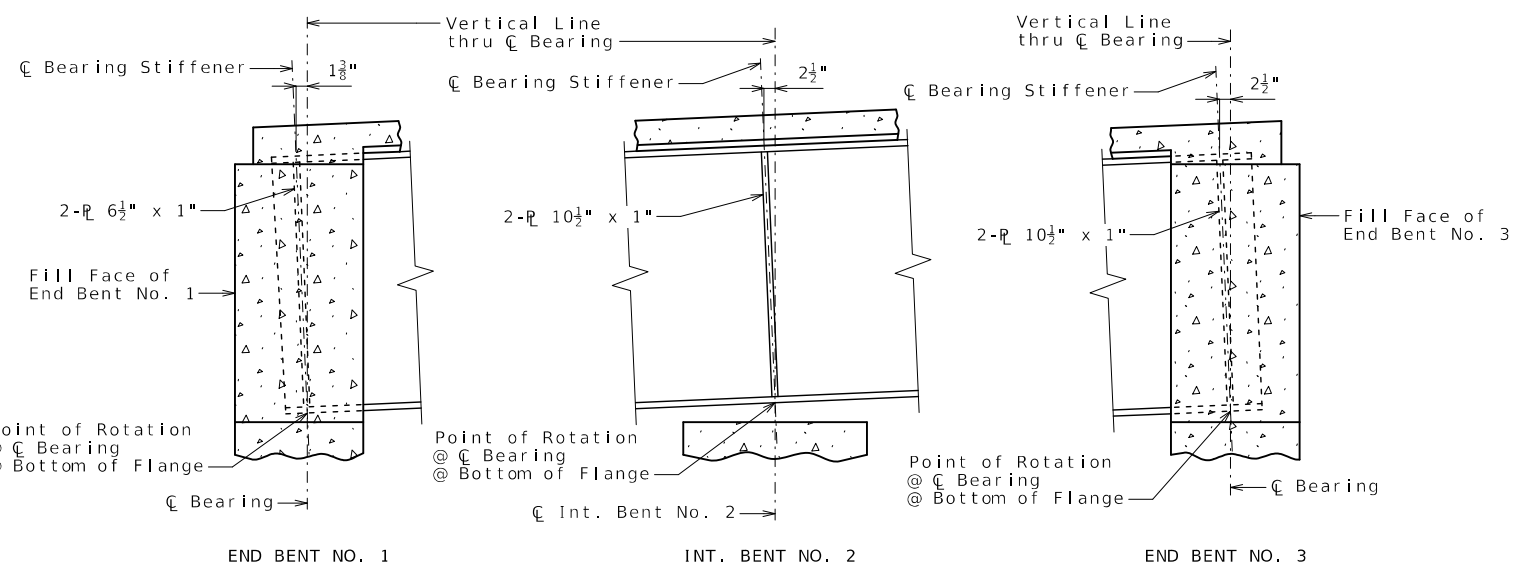


DETAILS OF WEB HOLES AT END BENTS

Dimensions shown are measured along Centerline of Girder.



DETAILS OF SHEAR CONNECTORS

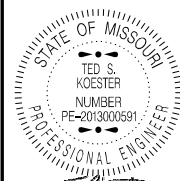


PART LONGITUDINAL SECTION

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

Notes:

- Longitudinal dimensions are horizontal arc dimensions from centerline bearing to centerline bearing.
- By approval of the engineer, the contractor may omit any shop flange splice by extending the heavier flange plate and providing approved modifications of details at field flange splices and elsewhere as required. All cost of any required design, plan revisions or re-checking of shop drawings shall be borne by the contractor. Payweight in any case will be based on material shown on Design Plans.
- Fabricated structural steel shall be ASTM A709 Grade 50W, except as shown.
- For Plan of Structural Steel, see Sheet No. 14.
- For details of intermediate diaphragms, cross frames, details of bearing stiffeners and connection plates and details of drip bars, see Sheet No. 19.
- For details of bolted field splices and shop welded splices, see Sheet No. 18.
- Weight of 1796 pounds of shear connectors is included in the weight of Fabricated Structural Low Alloy Steel (Plate Girder) A709, Grade 50W.
- Shear connectors shall be in accordance with Sec 712, 1037 & 1080.
- Plate girders shall be fabricated to be in accordance with the camber diagram shown on Sheet No. 17.
- All web plates and flange plates are subject to notch toughness requirements.



DATE PREPARED
3/2/2026

ROUTE 47 STATE MO

DISTRICT BR SHEET NO. 16

COUNTY WASHINGTON

JOB NO. JCD0135

CONTRACT ID.

PROJECT NO.

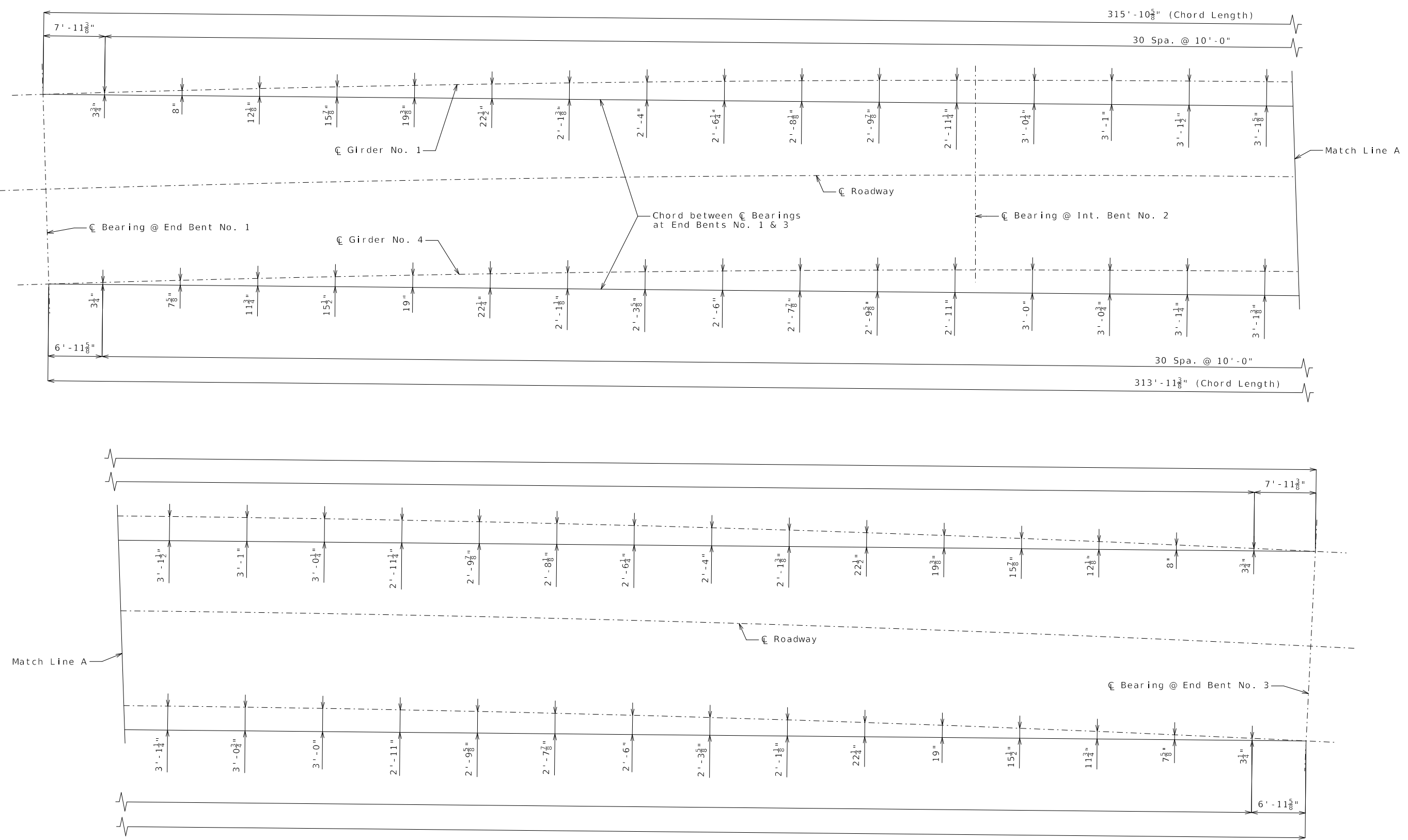
BRIDGE NO. A9502

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



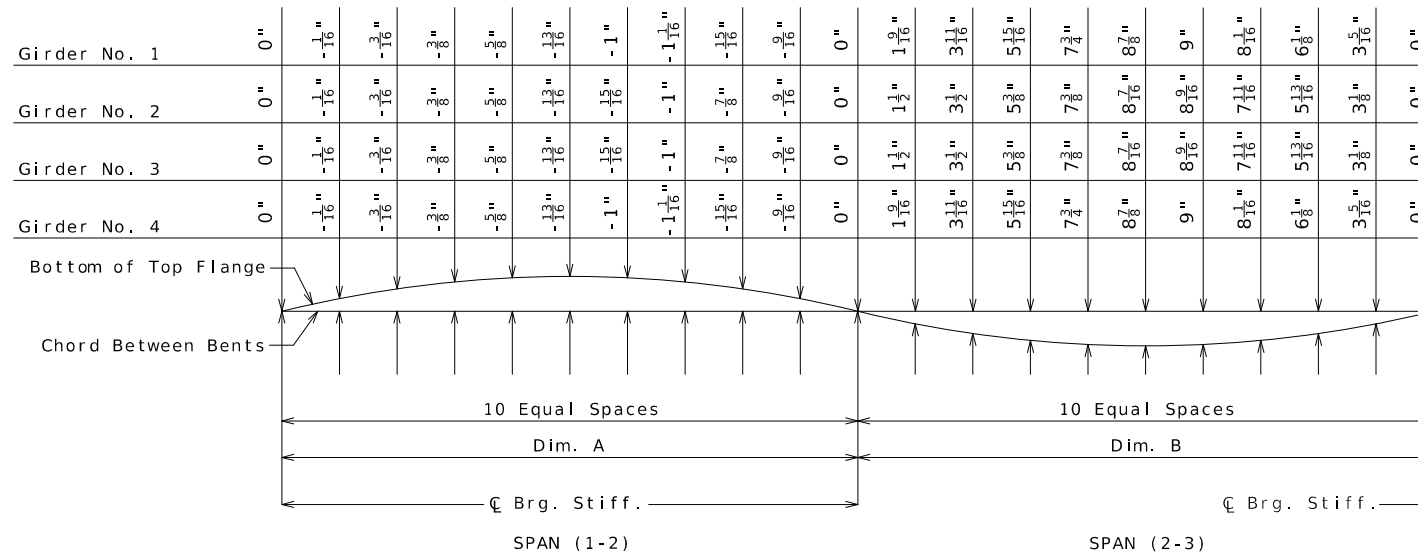
Note: All dimensions are horizontal.

PLAN OF EXTERIOR GIRDERS SHOWING CURVE OFFSETS

Detailed Aug. 2025
Checked Oct. 2025

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

Sheet No. 16 of 33



DEAD LOAD DEFLECTION

For % of dead load deflection due to the weight of structural steel, see table.
 Dead load deflection includes weight of structural steel, concrete slab, and barrier.

GIRDER % DEFLECTION		
Girder No.	SPAN (1-2)	SPAN (2-3)
1	28.28%	23.49%
2	29.92%	25.16%
3	29.92%	25.16%
4	28.28%	23.49%

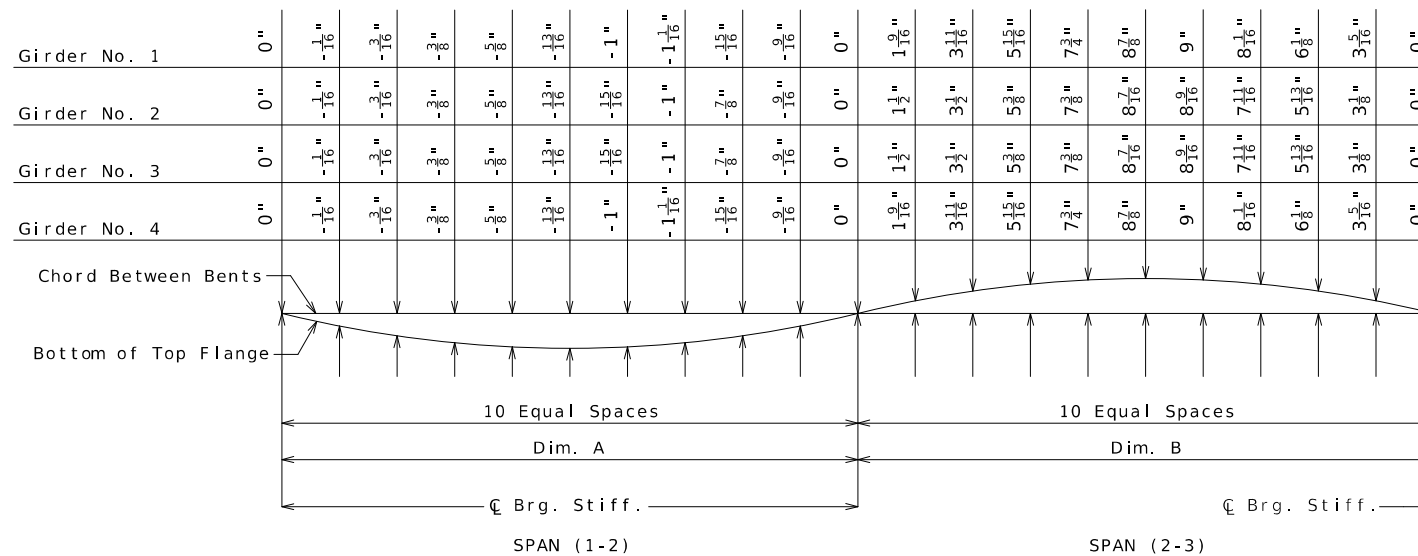
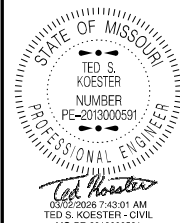


PLATE GIRDER CAMBER DIAGRAM

Camber includes allowance for vertical curve, and dead load deflection due to concrete slab, barrier, and structural steel.

TABLE OF DIMENSIONS		
Girder No.	Dim. A	Dim. B
1	120' - 4 1/2"	195' - 7 1/4"
2	120' - 1 1/2"	195' - 2 3/8"
3	119' - 10 1/2"	194' - 9 3/8"
4	119' - 7 1/2"	194' - 4 3/4"

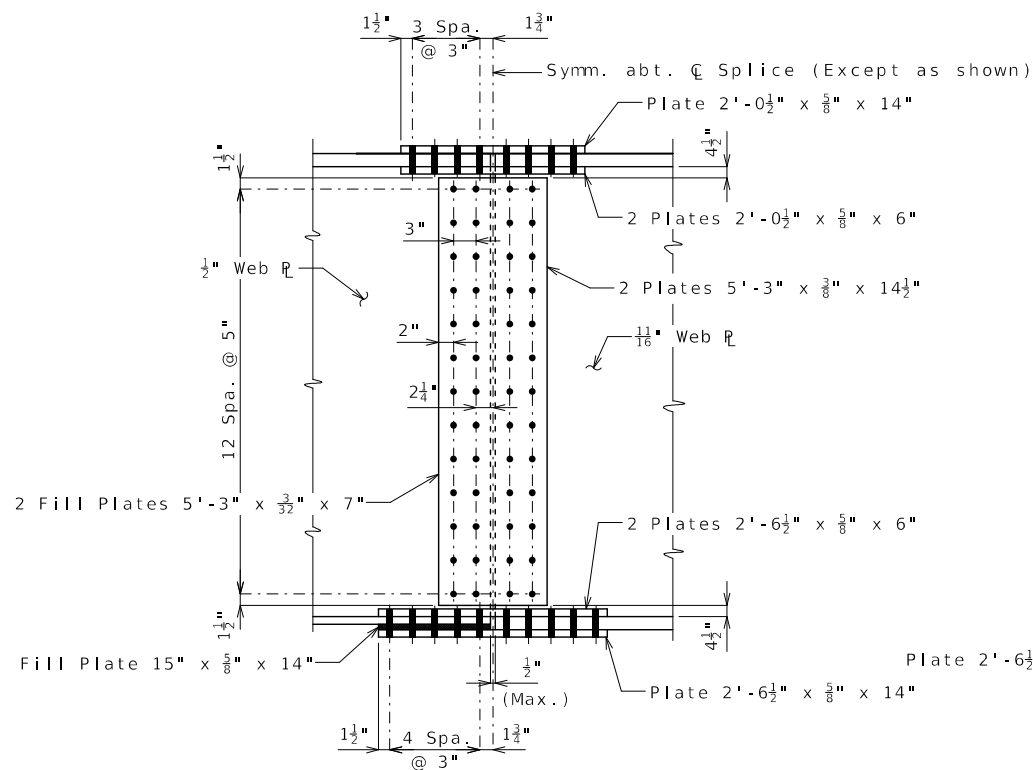


DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 17
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9502	

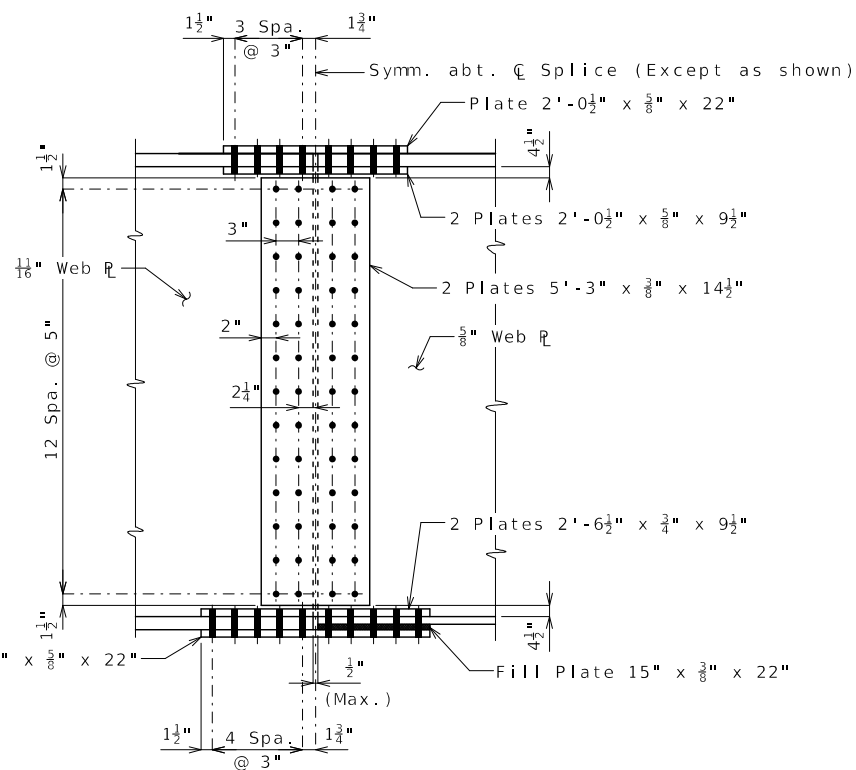
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

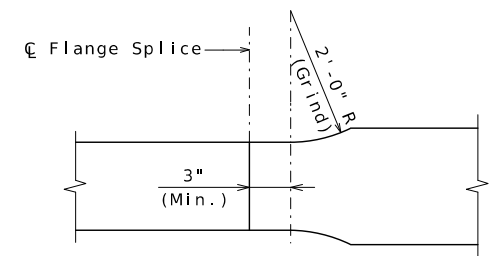
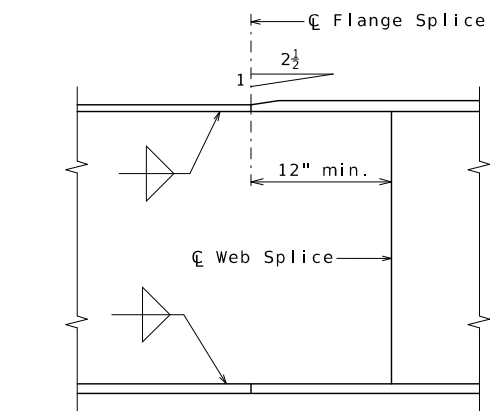
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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DETAIL OF BOLTED FIELD SPLICE (S1)

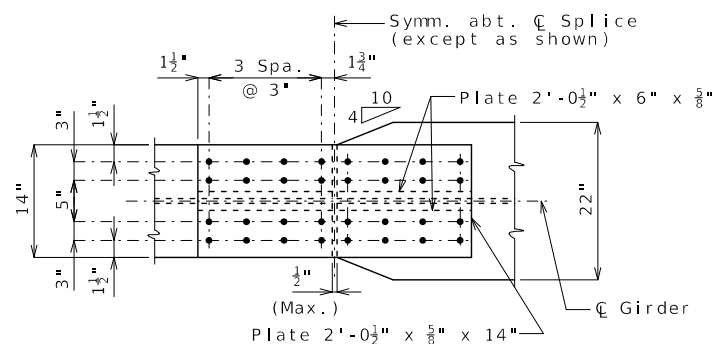


DETAIL OF BOLTED FIELD SPLICE (S2)

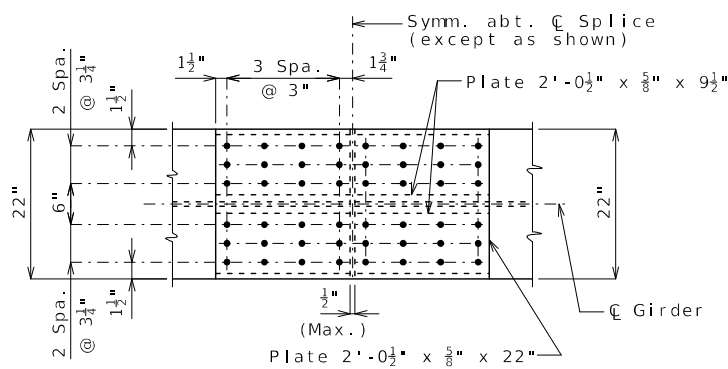


WELDED SHOP WEB AND FLANGE SPLICE

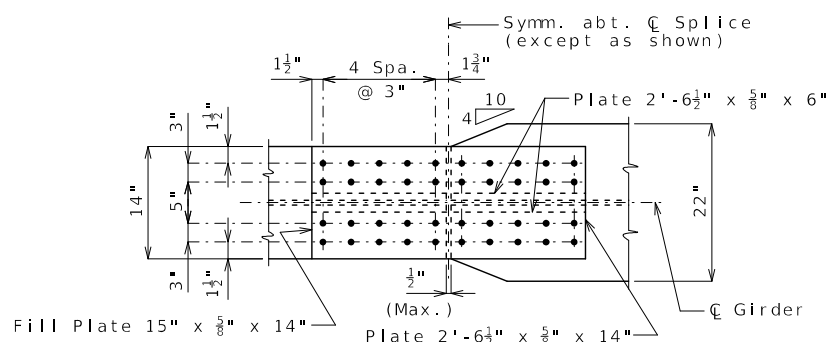
Welded shop web and flange splices may be permitted when detailed on the shop drawings and approved by the engineer. No additional payment will be made for optional welded shop web and flange splices.



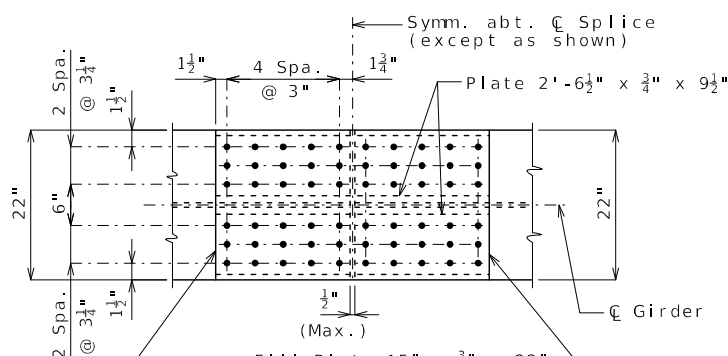
PLAN OF TOP FLANGE (S1)



PLAN OF TOP FLANGE (S2)



PLAN OF BOTTOM FLANGE (S1)



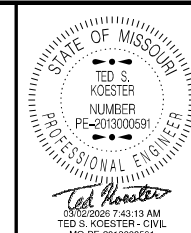
PLAN OF BOTOM FLANGE (S2)

Notes:

Bolts shall be 7/8-inch diameter ASTM F3125 Grade A325 Type 3 in 15/16-inch diameter holes.

Contact surfaces shall be in accordance with Sec 1081 for surface preparation.

The flange and web splice plates shall be subject to notch toughness requirements, when notch toughness is required for flanges on both sides of splice.

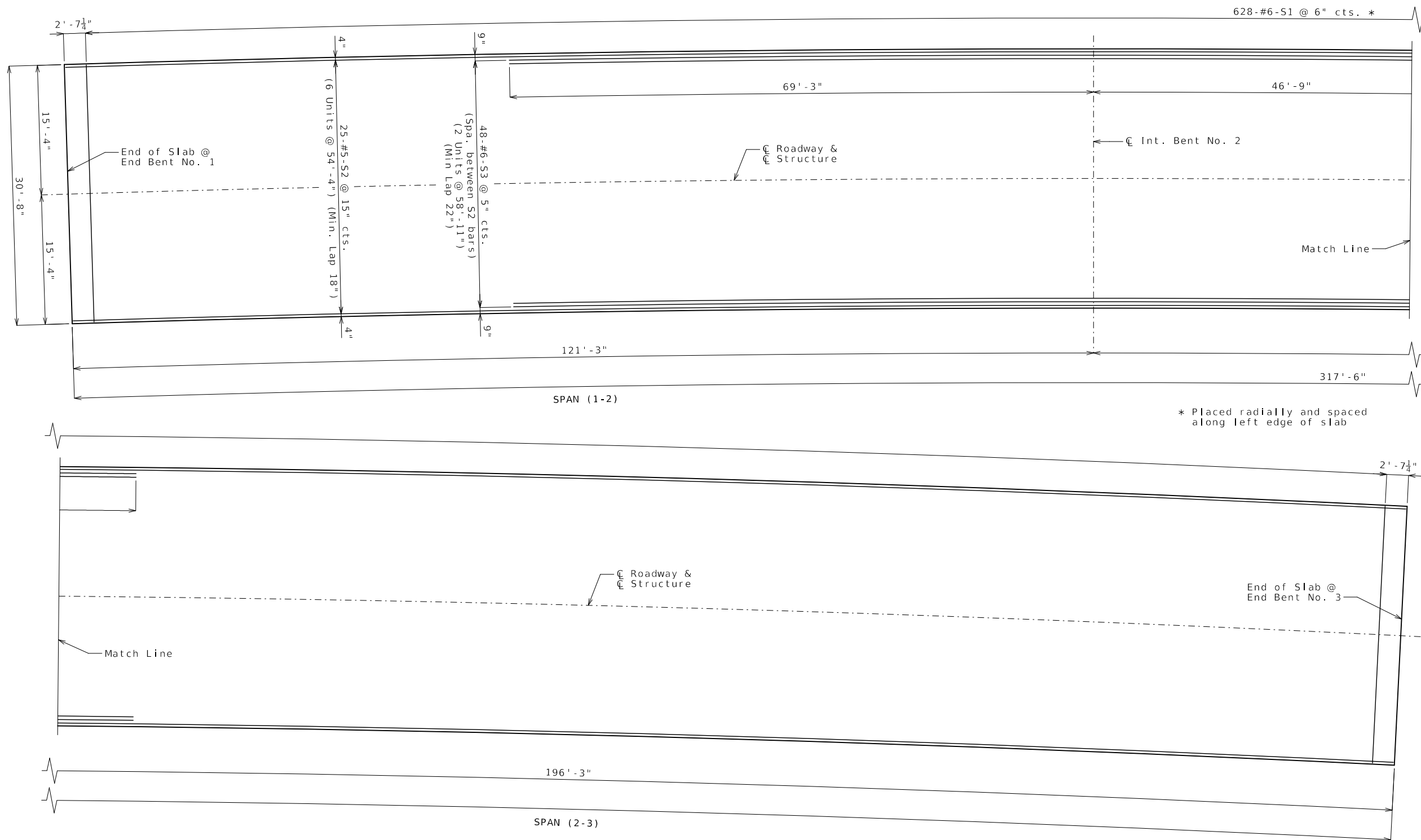


DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 18
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9502	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



628-#6-S1 @ 6" cts. *

2'-7 1/4"

15'-4"

30'-8"

15'-4"

4"

(6 Units @ 54'-4") (Min. Lap 18")

4"

9"

48-#6-S3 @ 5" cts.
(Spa. between S2 bars)
(2 Units @ 58'-11")
(Min Lap 22")

9"

69'-3"

Int. Bent No. 2

46'-9"

Match Line

121'-3"

SPAN (1-2)

317'-6"

* Placed radially and spaced along left edge of slab

Match Line

2'-7 1/4"

Centerline Roadway & Structure

End of Slab @ End Bent No. 3

Match Line

196'-3"

SPAN (2-3)

Notes:

- Unless otherwise shown, all longitudinal dimensions are horizontal arc dimensions along Centerline Structure, and transverse dimensions are measured radially.
- Longitudinal reinforcement shall be placed parallel to Centerline Roadway and spaced radially.
- For Dead Load Deflection and Camber Diagram, see Sheet No. 17.
- For Theoretical Slab Haunching Diagram and Bottom of Slab Elevations, see Sheets No. 21.
- For Section Thru Slab, Slab Pouring Sequence and Optional Stay-in-Place Form Details, see Sheet No. 24.
- For details and reinforcement of Type D Barrier not shown, see Sheets No. 26 and 27.
- For Plan of Slab Showing Bottom Reinforcement, see Sheet No. 23.
- For Plan of Slab Showing Curve Ordinates, see Sheet No. 25.

PLAN OF SLAB SHOWING TOP REINFORCEMENT

Detailed Aug. 2025
Checked Oct. 2025

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

Sheet No. 22 of 33

STATE OF MISSOURI
TED S. KOESTER
NUMBER
PE-2013000591
PROFESSIONAL ENGINEER

DATE PREPARED
3/2/2026

ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 22

COUNTY
WASHINGTON

JOB NO.
JCD0135

CONTRACT ID.

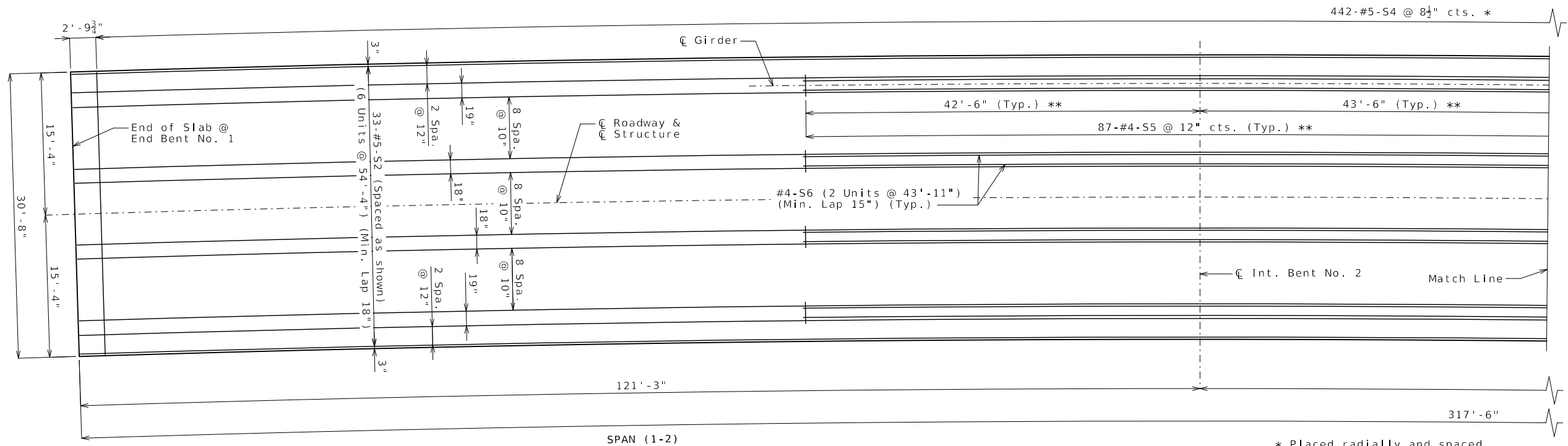
PROJECT NO.

BRIDGE NO.
A9502

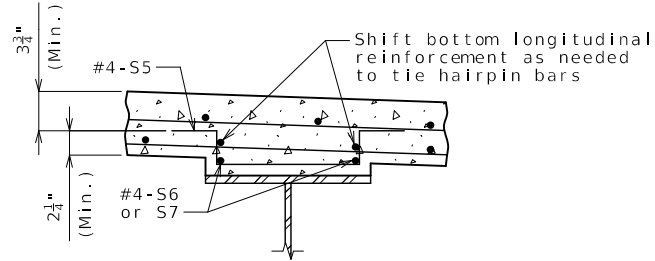
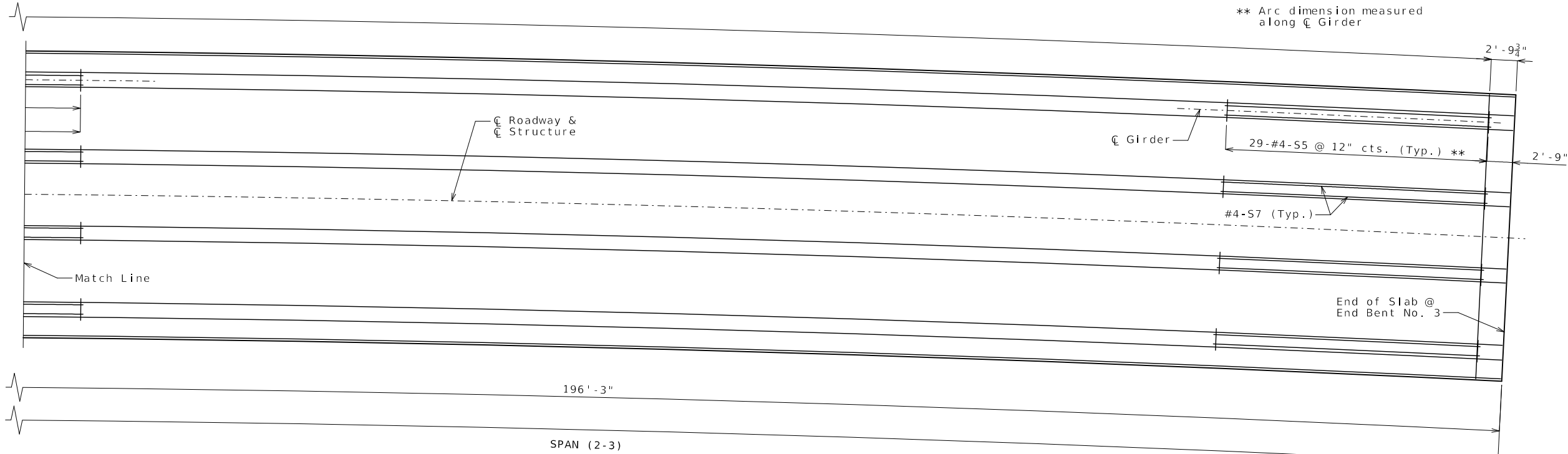
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



* Placed radially and spaced along left edge of slab
 ** Arc dimension measured along ζ Girder



TYPICAL SECTION THRU GIRDER SHOWING HAIRPIN BARS

PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT

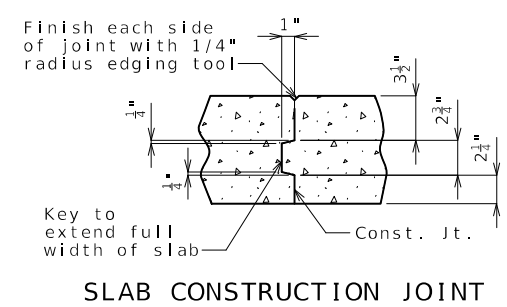
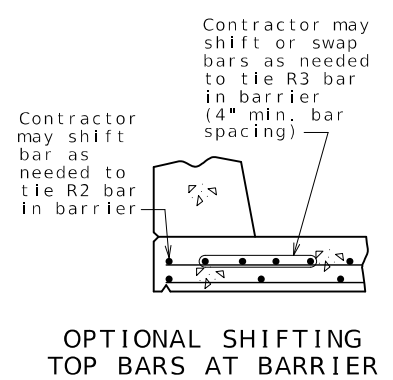
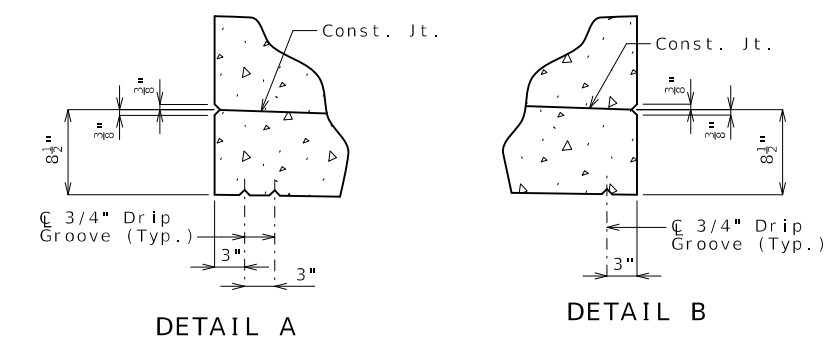
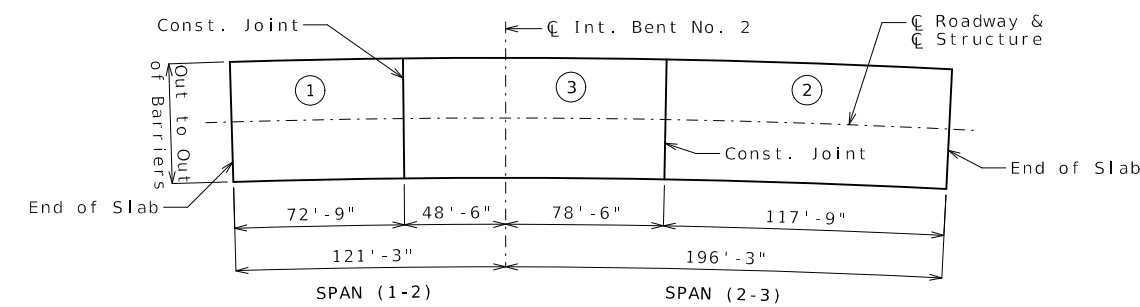
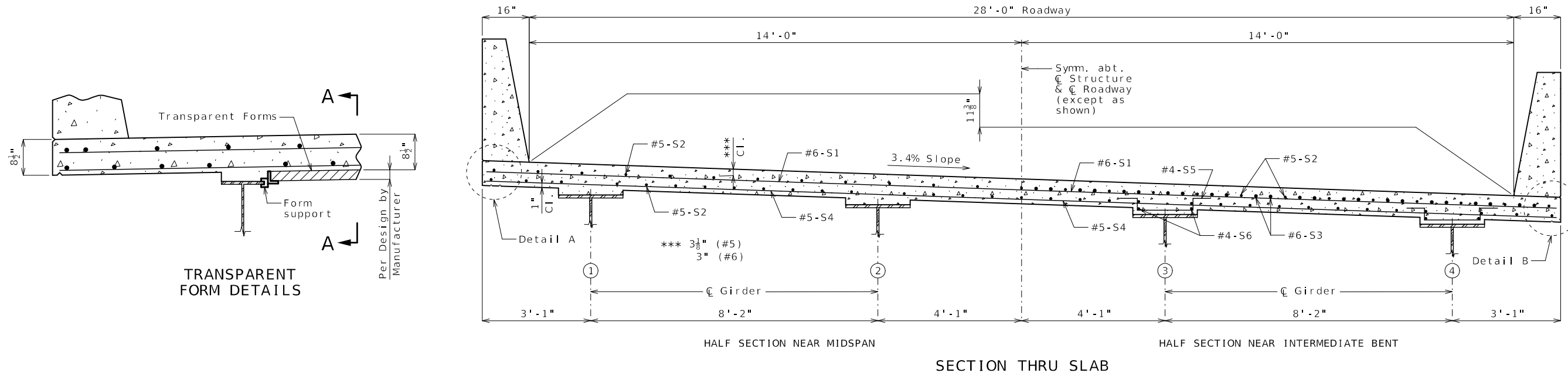
- Notes:
- Unless otherwise shown, all longitudinal dimensions are horizontal arc dimensions along ζ Structure, and transverse dimensions are measured radially.
 - Longitudinal reinforcement shall be placed parallel to ζ Roadway and spaced radially.
 - For Dead Load Deflection and Camber Diagram, see Sheet No. 17.
 - For Theoretical Slab Haunching Diagram and Bottom of Slab Elevations, see Sheets No. 21.
 - For Section Thru Slab, Slab Pouring Sequence and Optional Stay-in-Place Form Details, see Sheet No. 24.
 - For details and reinforcement of Type D Barrier not shown, see Sheets No. 26 and 27.
 - For Plan of Slab Showing Top Reinforcement, see Sheet No. 22.
 - For Plan of Slab Showing Curve Ordinates, see Sheet No. 25.

STATE OF MISSOURI
 TED S. KOESTER
 NUMBER PE-2013000591
 PROFESSIONAL ENGINEER

DATE PREPARED 3/2/2026
 ROUTE 47 STATE MO
 DISTRICT BR SHEET NO. 23
 COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO. A9502

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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	Sequence of Pours			Min. Rate of Pour Cu. Yds./Hr.	
	Direction			With Retarder	No Retarder
Basic Sequence	1	2	3	25	25
	Either Direction				
Alternate A Pours	1	3 + 2		59	25
	End to 3		1 to End		
Alternate B Pours	1 + 3 + 2			59	25
	End to End				

The contractor shall pour and satisfactorily finish the slab pours at the rate given. Retarder, if used, shall be an approved type and retard the set of concrete to 2.5 hours.

SLAB POURING SEQUENCE

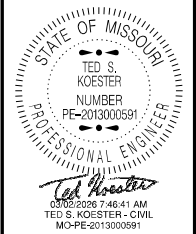
Note: Longitudinal dimensions are horizontal arc dimensions along C Roadway.

SLAB DETAILS

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

Sheet No. 24 of 33

- Notes:
- For reinforcement of barrier not shown, see Sheet No. 26.
 - For Theoretical Bottom of Slab Elevations and Theoretical Slab Haunching Diagram, see Sheet No. 21.
 - For Dead Load Deflection and Girder Camber Diagram, see Sheet No. 17.
 - For Plan of Slab Showing Top Reinforcement, see Sheet No. 22.
 - For Plan of Slab Showing Bottom Reinforcement and detail of hairpin bars, see Sheet No. 23.

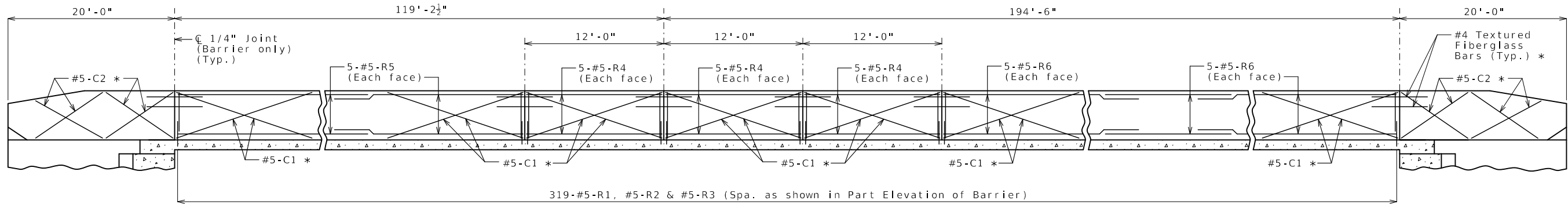


DATE PREPARED
3/2/2026
ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 24
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A9502

DATE	DESCRIPTION

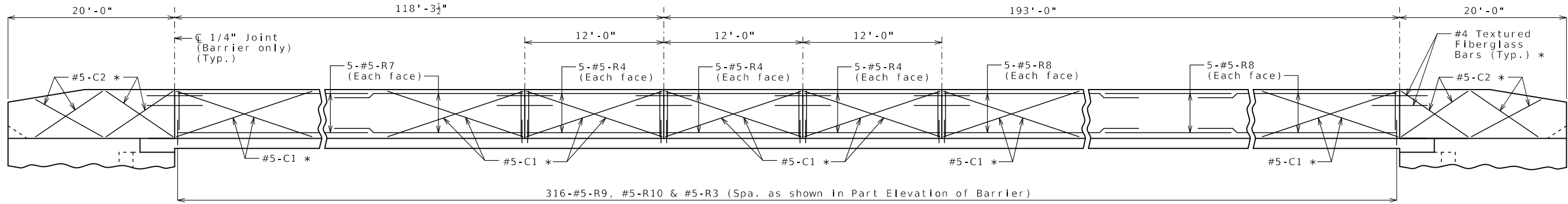
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)





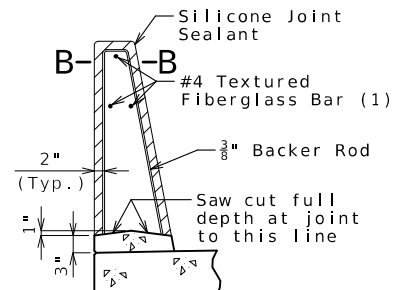
(Span 1-2) **ELEVATION OF LEFT BARRIER** (Span 2-3)

Longitudinal dimensions are horizontal arc dimensions along outside face of curb.

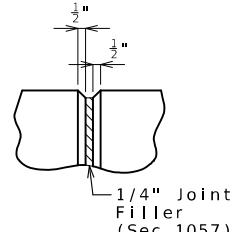


(Span 1-2) **ELEVATION OF RIGHT BARRIER** (Span 2-3)

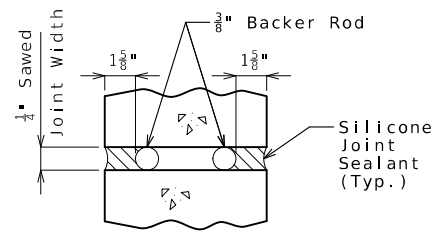
Longitudinal dimensions are horizontal arc dimensions along outside face of curb.



SECTION THRU SAW CUT JOINT



PART ELEVATION AT FORMED JOINT



SECTION B-B

General Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints (except at end bents) normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Type D Barrier per linear foot.

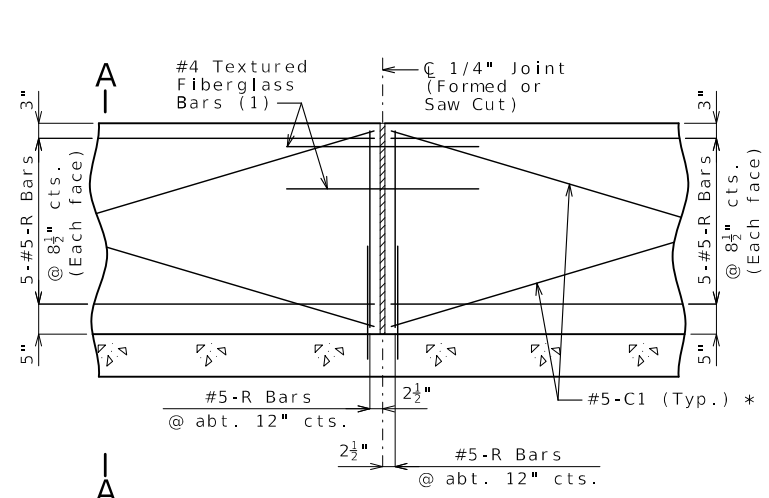
Concrete in barrier shall be Class B-1.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab from end of wing to end of wing.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

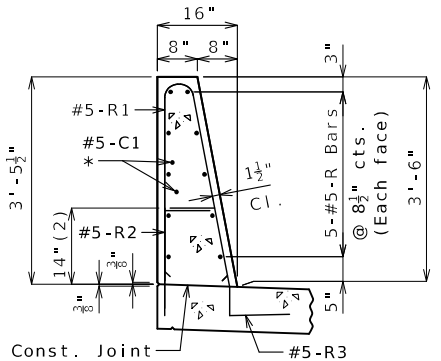
Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.



PART ELEVATION OF BARRIER

(1) Four feet long, centered on joint, slip-formed option only

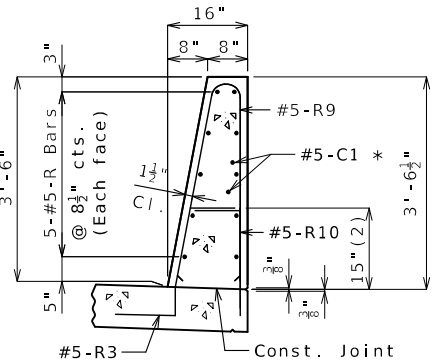


SECTION A-A (Left Barrier)

Use a minimum lap of 2'-6" for #5 horizontal barrier bars.

The cross-sectional area above the slab is 3.47 square feet.

(2) To top of bar

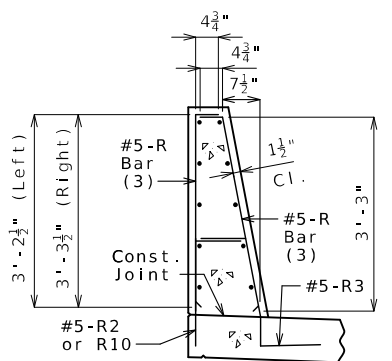


SECTION A-A (Right Barrier)

Use a minimum lap of 2'-6" for #5 horizontal barrier bars.

The cross-sectional area above the slab is 3.53 square feet.

(2) To top of bar



R-BAR PERMISSIBLE ALTERNATE SHAPE

(3) The R1 and R9 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

TYPE D BARRIER



DATE PREPARED
3/2/2026

ROUTE 47 STATE MO
DISTRICT BR SHEET NO. 26

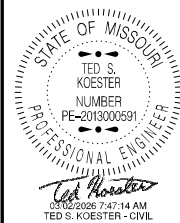
COUNTY WASHINGTON
JOB NO. JCD0135
CONTRACT ID.

PROJECT NO.
BRIDGE NO. A9502

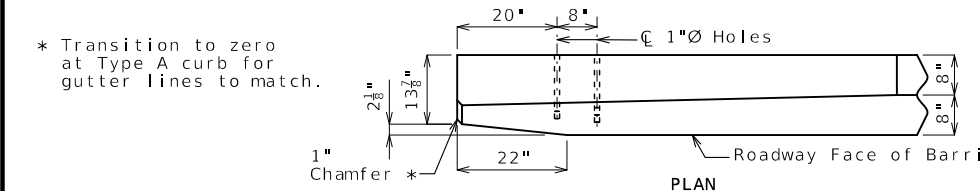
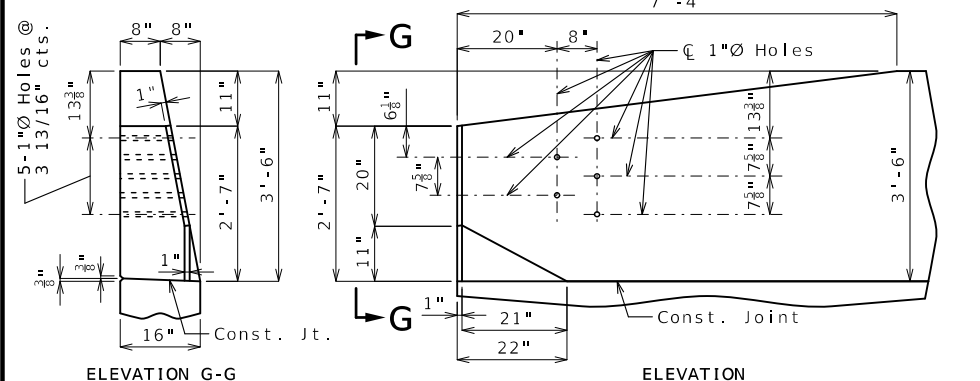
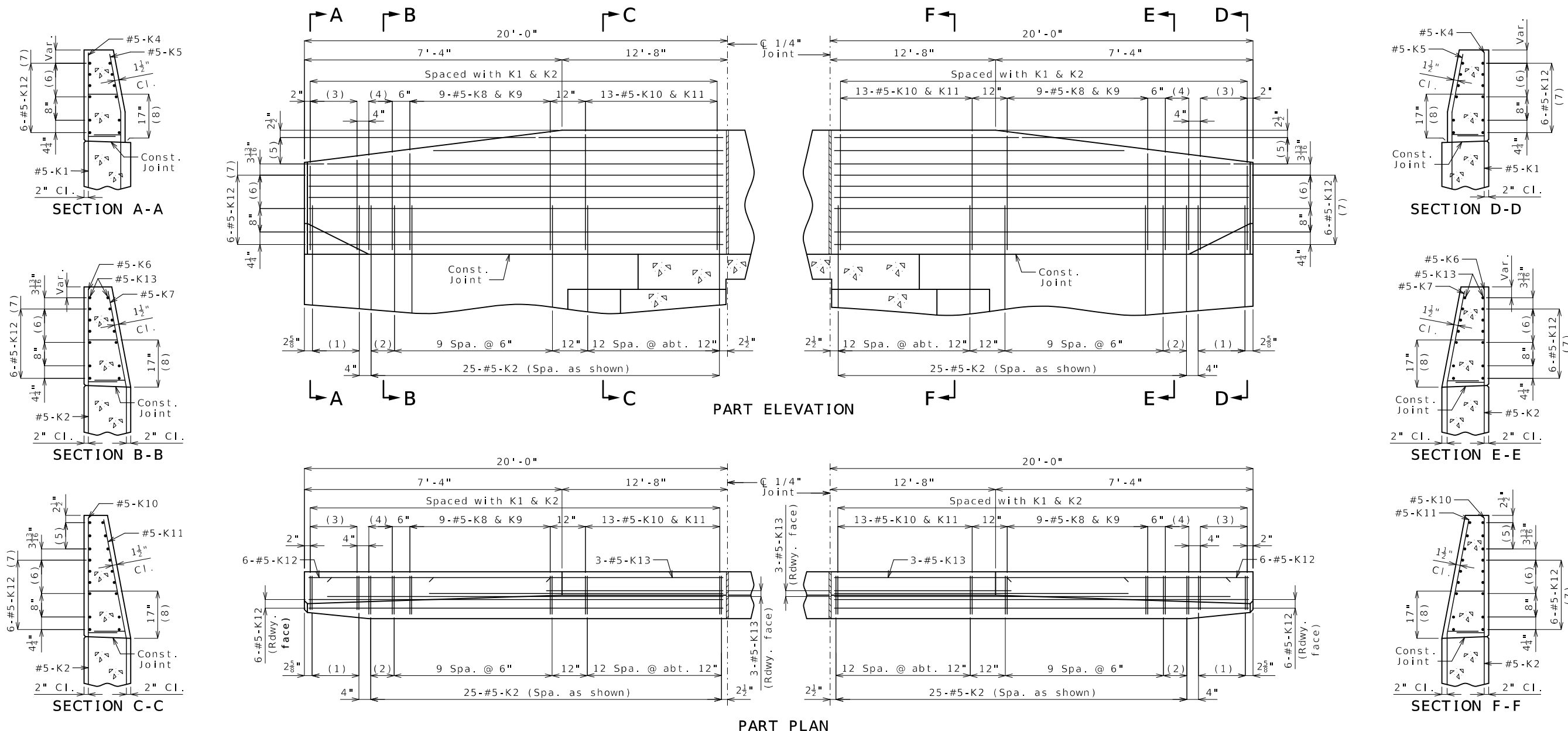
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED 3/2/2026	
ROUTE 47	STATE MO
DISTRICT BR	SHEET NO. 27
COUNTY WASHINGTON	
JOB NO. JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A9502	

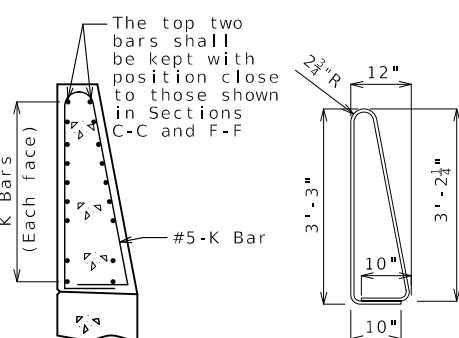


DETAILS OF GUARD RAIL ATTACHMENT

- (1) 5-#5-K1 @ 4" cts.
- (2) 2 spaces @ 4"
- (3) 5-#5-K4 & K5
- (4) 3-#5-K6 & K7
- (5) 3-#5-K13 @ 4 1/2" cts., each face
- (6) 3 spaces @ 3 1/8"
- (7) Spaced as shown, each face
- (8) To top of bar

General Notes:
Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.



K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

The K10-K11 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar)

Detailed Aug. 2025
Checked Oct. 2025

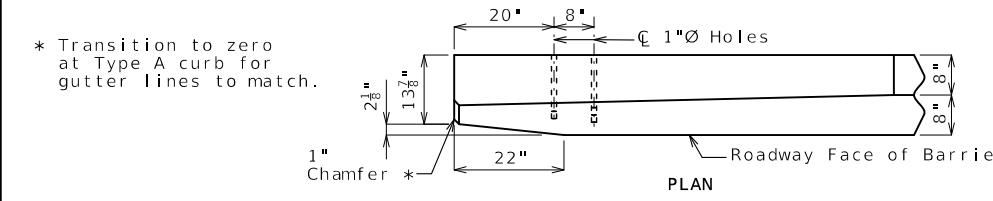
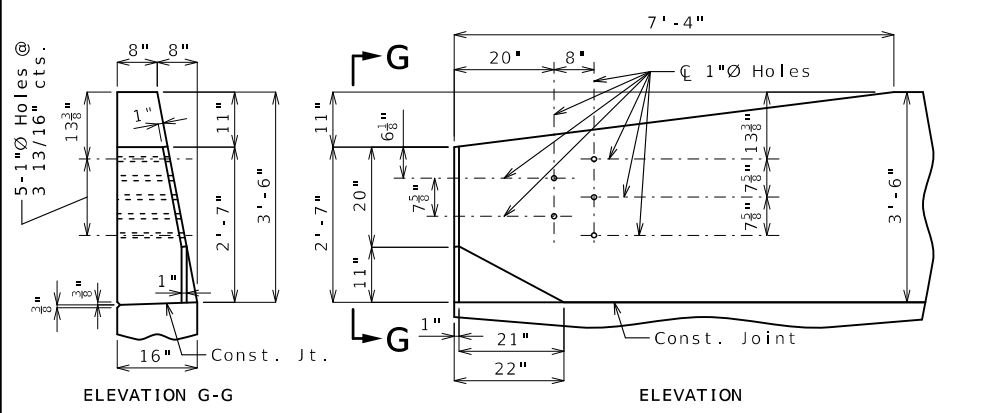
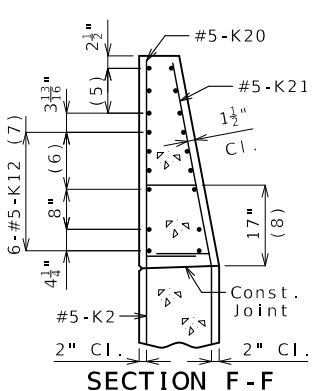
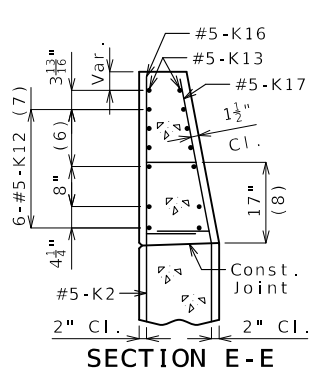
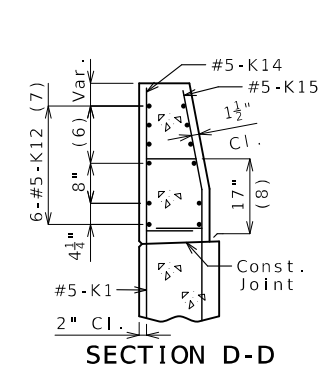
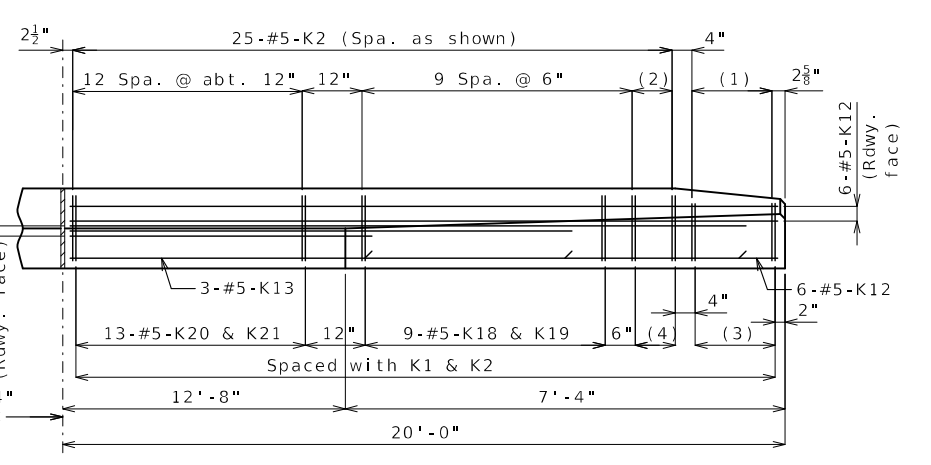
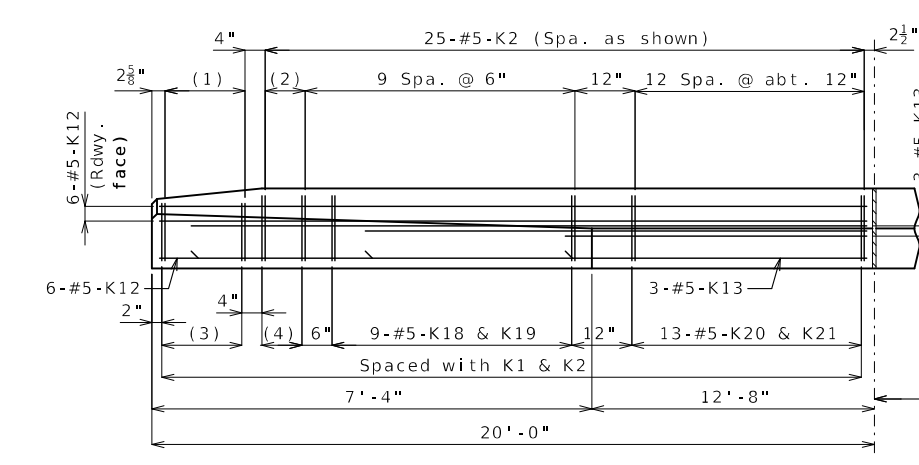
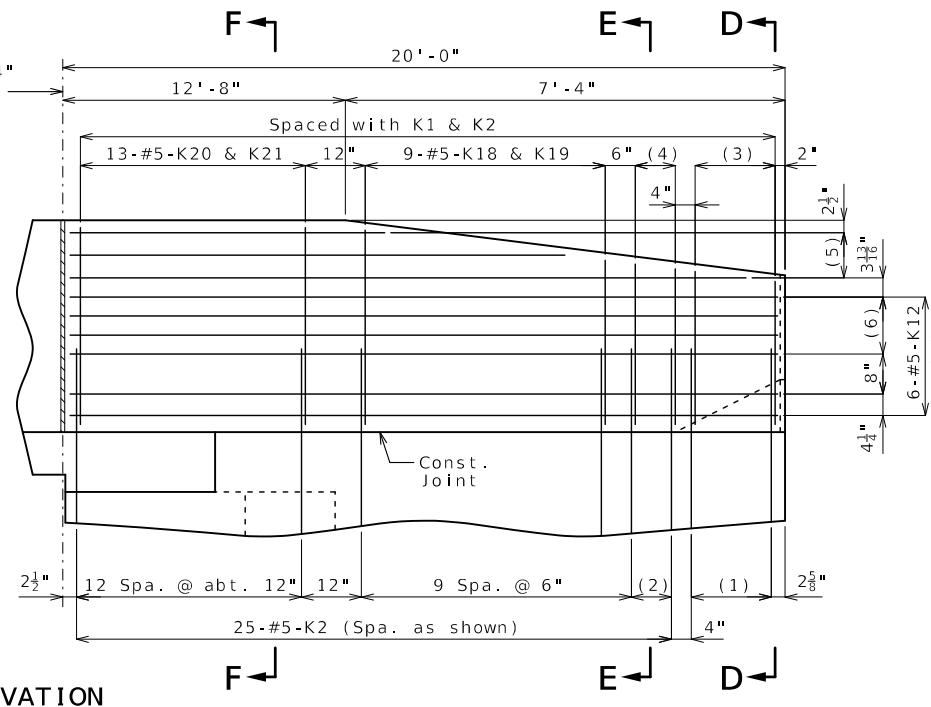
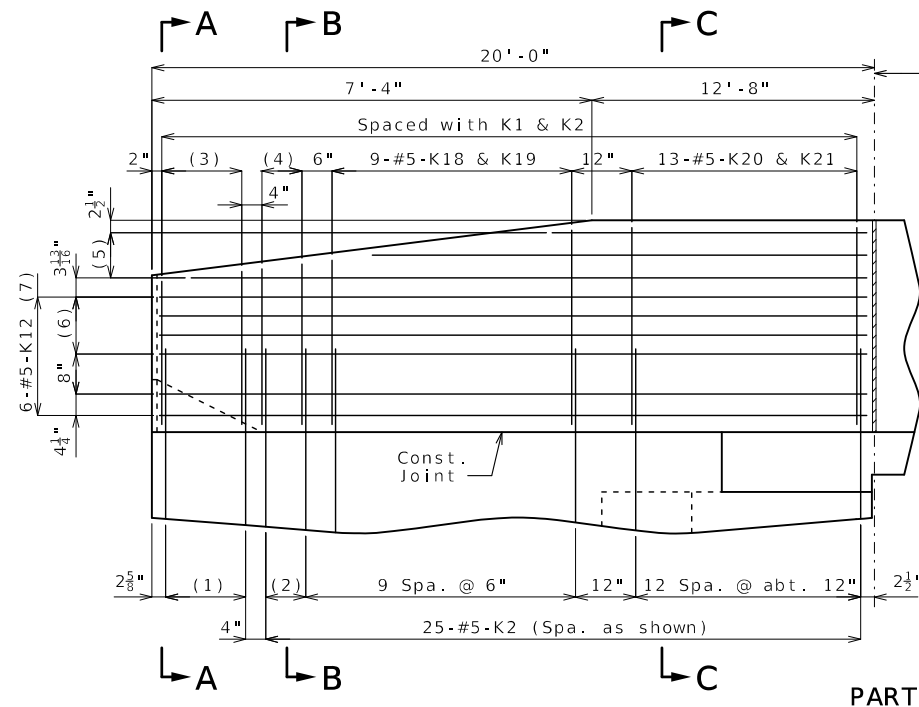
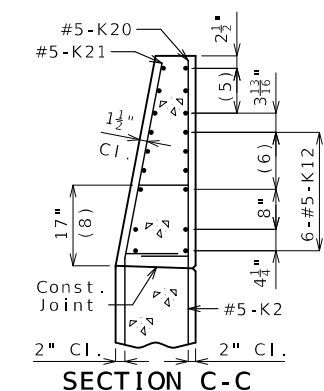
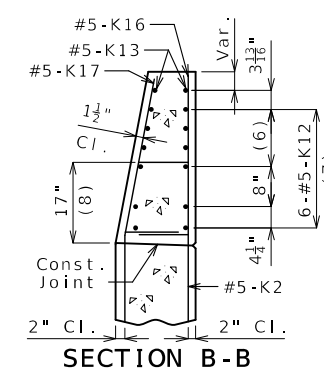
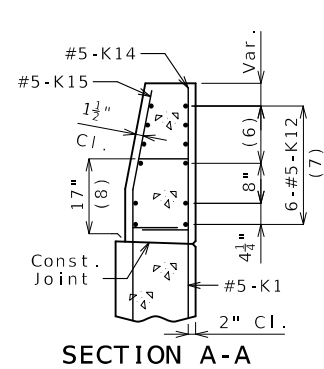
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 27 of 33

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DETAILS OF GUARD RAIL ATTACHMENT

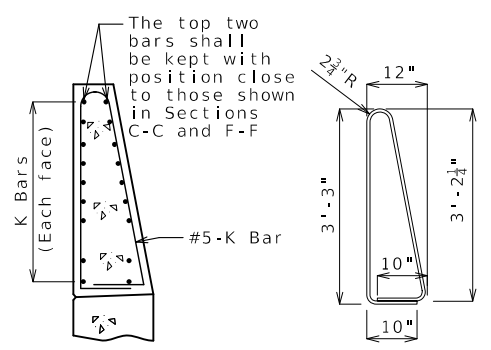
* Transition to zero at Type A curb for gutter lines to match.

1" Chamfer *

- (1) 5-#5-K1 @ 4" cts.
- (2) 2 spaces @ 4"
- (3) 5-#5-K14 & K15
- (4) 3-#5-K16 & K17
- (5) 3-#5-K13 @ 4 1/2" cts., each face
- (6) 3 spaces @ 3 1/8"
- (7) Spaced as shown, each face
- (8) To top of bar

General Notes:
Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2" except as shown for bars embedded into end bent.

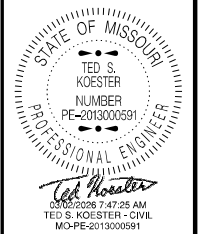


K20-K21 BAR PERMISSIBLE ALTERNATE SHAPE
(Other K bars not shown for clarity)

The K20-K21 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.

TYPE D BARRIER AT END BENTS
(Left barrier shown, right barrier similar)



DATE PREPARED	
3/2/2026	STATE
ROUTE 47	MO
DISTRICT BR	SHEET NO. 28
COUNTY	
WASHINGTON	
JOB NO.	
JCD0135	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
A9502	

DESCRIPTION	DATE

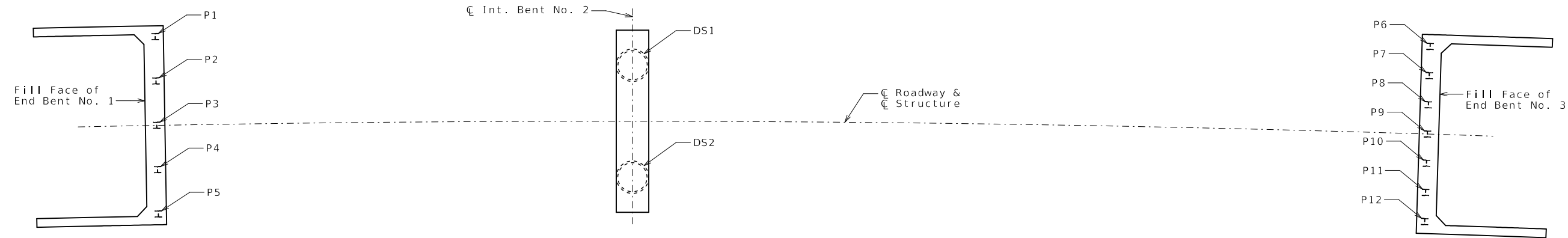
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Bill of Reinforcing Steel																		
No. Req.	Size/Mark	Location	Codes			Dimensions							Nom. Length ft in.	Actual Length ft in.	Weight lb			
			C	SH	V	B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.						
Substructure																		
Int Bent 2																		
16	9 H200	BEAM	18			27	10.00							30	4	30	4	1,650
12	6 H201	BEAM	20			27	10.00							27	10	27	10	502
16	6 H202	BEAM	10S					22.00	4	7.75				8	4	8		192
8	6 H203	BEAM	20			4	6.00							4	6	4	6	54
16	6 H204	BEAM	20			6	0.00							6		6		144
8	6 H205	BEAM	20			3	6.00							3	6	3	6	42
Superstructure																		
End Bent 1																		
32	6 F100	WING BRACE	G 23S			20.00	5	1.50	20.00	14.25	14.00	14.25	14.00	8	6	8	5	416
14	6 F101	DIAPHRAGM	G 19S			4	8.00	2	8.00					7	4	7	2	155
12	6 H100	BEAM	G 20			30	5.00							30	5	30	5	564
8	6 H101	BEAM	G 20			6	6.00							6	6	6	6	80
4	6 H102	BEAM	G 20			4	6.00							4	6	4	6	28
13	6 H103	BEAM/DIAPHRAGM	G 20			30	5.00							30	5	30	5	611
9	6 H104	DIAPHRAGM	G 20			34	3.00							34	3	34	3	476
16	8 H105	WING	G 19			19	6.00	18.00						21	20	9	905	
56	6 H106	WING	G 19S			18	1.00	16.00						19	5	19	3	1,666
20	5 U100	BEAM	G 10S				6	3.00	2	9.00				15	3	15		324
10	4 U101	BEAM	G 13S			2	9.00	2	8.25	2	9.00	2	8.25	11	9	11	5	80
26	5 U102	DIAPHRAGM	G 10S				6	4.75	2	3.00				15	1	14	9	414
26	6 U103	DIAPHRAGM	G 19S			5	6.75	2	9.00					8	4	8	2	328
38	6 U104	DIAPHRAGM	G 19S			2	7.00	4	3.00					6	10	6	8	391
28	5 U105	APPROACH NOTCH	G 19S			2	0.00	15.00						3	3	3	1	93
12	5 V100	BEAM	G 20			6	3.00							6	3	6	3	81
12	6 V101	DIAPHRAGM	G 20			5	9.00							5	9	5	9	107
2	6 V102	WING	G 20			9	7.00							9	7	9	7	30
34	6 V103	WING	G 20	2		9	7.00							9	7	9	7	510
		Incr. = 0.250"				9	10.00							9	10	9	10	510
2	6 V104	WING	G 20			9	9.00							9	9	9	9	30
34	6 V105	WING	G 20	2		9	9.00							9	9	9	9	517
		Incr. = 0.125"				9	11.00							9	11	9	11	517
End Bent 3																		
32	6 F300	WING BRACE	G 23S			20.00	5	1.50	20.00	14.25	14.00	14.25	14.00	8	6	8	5	416
14	6 F301	DIAPHRAGM	G 19S			4	8.00	2	8.00					7	4	7	2	155
14	6 H300	BEAM	G 20			30	5.00							30	5	30	5	658
8	6 H301	BEAM	G 20			6	6.00							6	6	6	6	80
4	6 H302	BEAM	G 20			4	6.00							4	6	4	6	28
13	6 H303	BEAM/DIAPHRAGM	G 20			30	5.00							30	5	30	5	611
9	6 H304	DIAPHRAGM	G 20			34	3.00							34	3	34	3	476
16	8 H305	WING	G 19			19	6.00	18.00						21	20	9	905	
68	6 H306	WING	G 19S			18	1.00	16.00						19	5	19	3	2,022
14	5 U300	BEAM	G 10S				7	3.25	2	9.00				17	4	17		257
8	4 U301	BEAM	G 13S			2	9.00	3	8.25	2	9.00	3	8.25	13	9	13	5	75
8	4 U302	BEAM	G 10S			3	8.75	2	9.00					10	3	10		56
22	5 U303	DIAPHRAGM	G 10S				6	9.00	2	3.00				15	9	15	6	368
22	6 U304	DIAPHRAGM	G 19S			5	11.00	2	9.00					8	8	8	6	289
38	6 U305	DIAPHRAGM	G 19S			2	7.00	4	3.00					6	10	6	8	391
28	5 U306	APPROACH NOTCH	G 19S			2	0.00	15.00						3	3	3	1	93

Bill of Reinforcing Steel																					
No. Req.	Size/Mark	Location	Codes			Dimensions							Nom. Length ft in.	Actual Length ft in.	Weight lb						
			C	SH	V	B ft in.	C ft in.	D ft in.	E ft in.	F ft in.	H ft in.	K ft in.									
16	5 V300	BEAM	G 20			7	4.00							7	4	7	4	127			
16	6 V301	DIAPHRAGM	G 20			6	1.00							6	1	6	1	150			
2	6 V302	WING	G 20			12	2.00							12	2	12	2	38			
34	6 V303	WING	G 20	2		11	5.00							11	5	11	5	619			
		Incr. = 0.625"				12	2.00							12	2	12	2	619			
2	6 V304	WING	G 20			12	0.00							12		12		37			
34	6 V305	WING	G 20	2		11	4.00							11	4	11	4	611			
		Incr. = 0.500"				11	11.00							11	11	11	11	611			
Slab																					
628	6 S1	SLAB	G 20			30	5.00							30	5	30	5	29,512			
348	5 S2	SLAB	G 20			54	4.00							54	4	54	4	20,402			
96	6 S3	SLAB	G 20			58	11.00							58	11	58	11	8,739			
442	5 S4	SLAB	G 20			30	5.00							30	5	30	5	14,506			
464	4 S5	SLAB	G 10S			6.00		6.75	19.00	6.00				3	9	3	3	1,051			
16	4 S6	SLAB	G 20			43	11.00							43	11	43	11	490			
8	4 S7	SLAB	G 20			28	6.00							28	6	28	6	159			
Barrier																					
Type D																					
20	5 K1	BARRIER	G 27S			3	5.00	9.25	5.25	2	11.75			5.25	1.00	7	7	7	5	160	
100	5 K2	BARRIER	G 27S			3	5.00	9.25	14.50	2	2.75			14.25	2.75	7	8	7	5	800	
10	5 K4	BARRIER	G 19S	2		2	3.75	10.00						3	2	3		33			
		Incr. = 0.500"				2	5.75	10.00						3	4	3	2	33			
10	5 K5	BARRIER	G 38S	2				18.50	9.00	8.25	18.00	4.00		3		2	10				
		Incr. = 0.500"						20.50	9.00	8.25	20.00	4.50		3	2	3		31			
6	5 K6	BARRIER	G 19S			2	6.25	10.00						3	4	3	3	21			
6	5 K7	BARRIER	G 21S			2	6.25	10.00						3	4	3	3	21			
18	5 K8	BARRIER	G 19S	2		2	8.00	10.00						3	6	3	4				
		Incr. = 0.750"				3	2.00	10.00						4		3	10	70			
18	5 K9	BARRIER	G 21S	2				2	8.00	10.00				2	7.25	6.75	3	6	3	5	
		Incr. = 0.750"						3	2.00	10.00				3	1.25	7.75	4		3	11	71
26	5 K10	BARRIER	G 19S			3	2.50	10.00						4	1	3	11	110			
26	5 K11	BARRIER	G 21S			3	2.50	10.00						4	1	3	11	110			
48	5 K12	BARRIER	G 20			19	9.00							19	9	19	9	1,023			
24	5 K13	BARRIER	G 20	8		19	0.00							19		19					
		Incr. = 36.000"				13	0.00							13		13		414			
10	5 K14	BARRIER	G 19S	2		2	4.25	10.00						3	2	3	1				
		Incr. = 0.500"				2	6.25	10.00						3	4	3	3	34			
10	5 K15	BARRIER	G 38S	2				18.50	9.50	8.25	18.00	4.00		3		2	11				
		Incr. = 0.500"						20.50	9.50	8.25	20.00	4.50		3	2	3	1	32			
6	5 K16	BARRIER																			



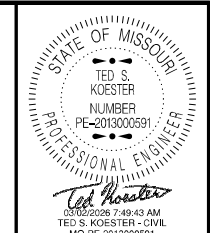
PART PLAN SHOWING PILE NUMBERING FOR RECORDING AS-BUILT PILE & DRILLED SHAFT DATA

As-Built Pile Data			
Pile No.	Length in Place (ft)	Computed Nominal Axial Compressive Resistance (kips)	Remarks
End Bent No. 1			
P1			
P2			
P3			
P4			
P5			
End Bent No. 3			
P6			
P7			
P8			
P9			
P10			
P11			
P12			

As-Built Drilled Shaft Data				
Shaft No.	Top of Sound Rock (Elev.)	Tip of Casing (Elev.)	Bottom of Rock Socket (Elev.)	Remarks
Int. Bent No. 2				
DS1				
DS2				

Note:
 Indicate in remarks column:
 A. Pile type and grade
 B. Batter
 C. Driven to practical refusal

This sheet to be completed by MoDOT construction personnel.



DATE PREPARED
 3/2/2026
 ROUTE 47 STATE MO
 DISTRICT BR SHEET NO. 32
 COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO. A9502

DESCRIPTION	DATE

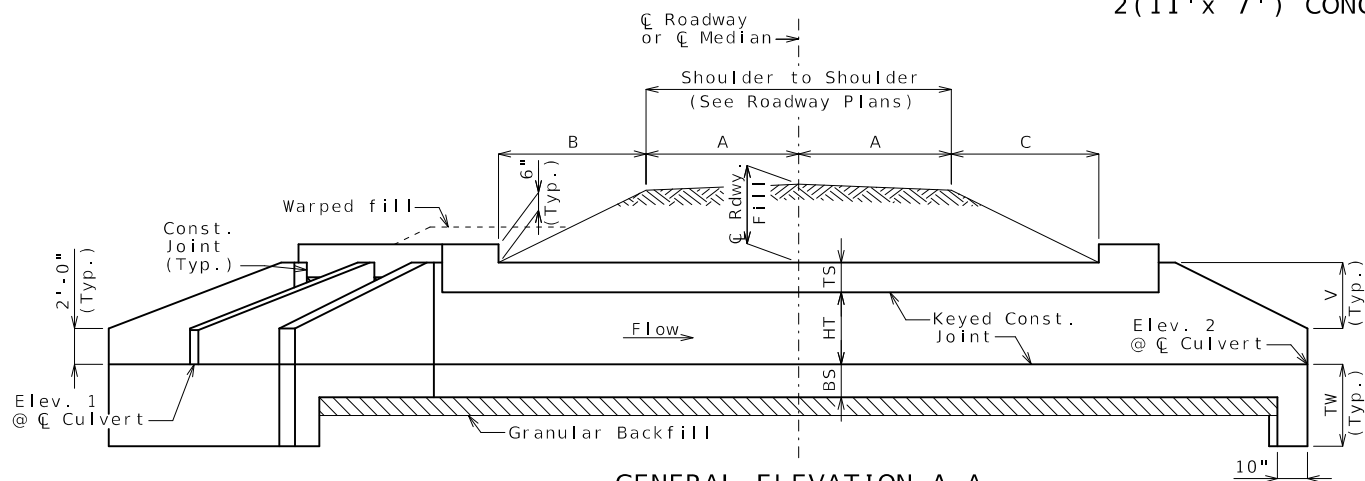
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



AS-BUILT PILE AND DRILLED SHAFT DATA

2 (11' x 7') CONCRETE BOX CULVERT

SEC/SUR 27 TWP 38N RGE 3E



GENERAL ELEVATION A-A

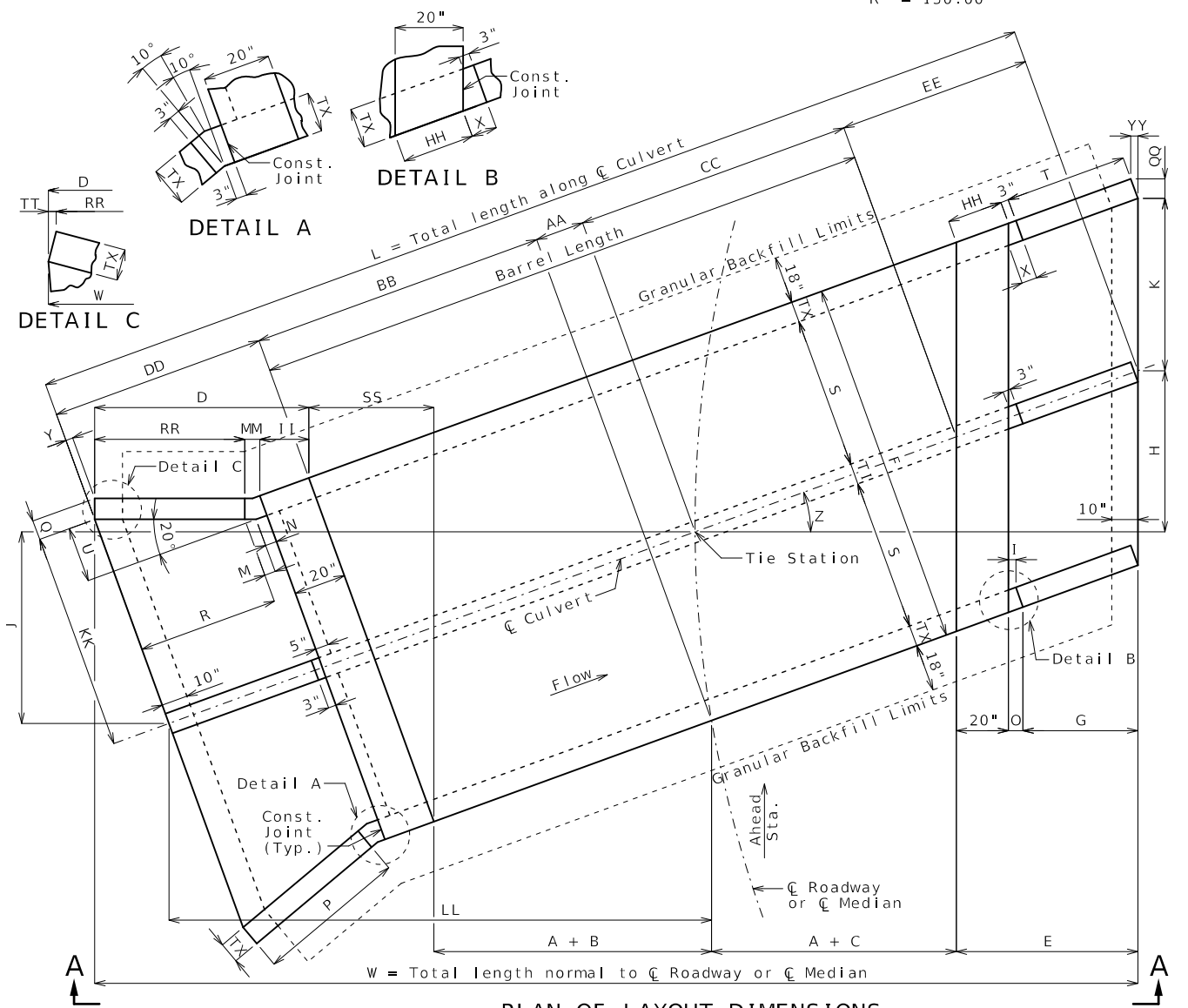
Construction joint key not shown for clarity, see standard plans for details.

If any part of the barrel is exposed, the roadway fill shall be warped to provide 12 inches minimum cover. (Roadway Item)

If unsuitable material is encountered, excavation of unsuitable material and furnishing and placing of granular backfill shall be in accordance with Sec 206.

CURVE DATA
@ RELOCATED RODERICK ROAD

PI = Sta. 9+14.83
 $\Delta = 82^\circ 51' 52.6''$ (RT)
 D = 38' 11' 49.9"
 L = 216.94'
 T = 132.39'
 R = 150.00'



PLAN OF LAYOUT DIMENSIONS

Designed Apr. 2025
 Detailed Apr. 2025
 Checked Aug. 2025

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

Layout Dimensions								
Var.	Equation	Dim.	Var.	Equation	Dim.	Var.	Equation	Dim.
S	- - -	11'-0"	K	$(S + TI/2)(\sec Z)$	11'-6 $\frac{1}{8}$ "	BB	- - -	32'-9 $\frac{3}{8}$ "
HT	- - -	7'-0"	L	AA + BB + CC + DD + EE	96'-10 $\frac{1}{2}$ "	CC	- - -	33'-2"
TS	- - -	11"	M	$N(\cos 20^\circ)$	4 $\frac{1}{8}$ "	DD	R + M + N + 20"	15'-2 $\frac{5}{8}$ "
BS	- - -	12"	N	$3" + TX(\tan 10^\circ)$	4 $\frac{3}{8}$ "	EE	E(sec Z)	14'-0 $\frac{1}{8}$ "
TX	- - -	8"	O	I + YY	4 $\frac{3}{8}$ "	HH	20"(sec Z)	20 $\frac{1}{4}$ "
TI	- - -	8"	P	$2V[\sec(Z + 20^\circ)]$	13'-8"	II	20"(cos Z)	19 $\frac{3}{4}$ "
A	- - -	12'	Q	$TX(\cos 20^\circ)$	7 $\frac{1}{2}$ "	KK	S + TI/2 + U	16'-1 $\frac{1}{8}$ "
B	- - -	20'-3 $\frac{3}{8}$ "	R	$P(\cos 20^\circ)$	12'-10 $\frac{1}{8}$ "	LL	- - -	49'-4 $\frac{1}{2}$ "
C	- - -	20'-2 $\frac{1}{8}$ "	T	G(sec Z)	12'-0 $\frac{1}{4}$ "	MM	$3"[\cos Z + \cos(Z - 20^\circ)]$	5 $\frac{7}{8}$ "
D	II + MM + RR + TT	15'-8 $\frac{1}{2}$ "	U	$(R + M)(\tan 20^\circ)$	4'-9 $\frac{3}{8}$ "	QQ	TX(cos Z)	7 $\frac{7}{8}$ "
E	G + O + 20"	13'-10 $\frac{3}{8}$ "	V	HT + TS - 24"	5'-11"	RR	$P[\cos(Z - 20^\circ)]$	13'-5 $\frac{1}{2}$ "
F	2S + 2TX + TI	24'-0"	W	2A + B + C + D + E + SS	98'-2 $\frac{1}{2}$ "	SS	F(sin Z)	4'-2"
G	2V	11'-10"	X	3" + TX(tan Z)	4 $\frac{3}{8}$ "	TT	TX[sin(20° - Z)]	1 $\frac{3}{8}$ "
H	- - -	8'-2 $\frac{1}{2}$ "	Y	TX(sin 20°)	2 $\frac{3}{4}$ "	YY	TX(sin Z)	1 $\frac{3}{8}$ "
I	3"(cos Z)	3"	Z	Skew Angle	10°	TW	Max{3'-4" or (BS + 12")}	3'-4"
J	(AA + BB + DD)(sin Z)	8'-7 $\frac{3}{8}$ "	AA	- - -	19 $\frac{3}{8}$ "			

Hydrologic Data
Drainage Area = 0.5 mi ²
Design Flood Frequency = 50 years
Design Flood Discharge = 730 cfs
Design Flood (D.F.) Elevation = 794.4
Base Flood (100-year)
Base Flood Elevation = 794.6
Base Flood Discharge = 870 cfs
Estimated Backwater = 0.4 ft
Outlet Velocity = 9.3 ft/s
Roadway Overtopping **
Overtopping Flood Discharge = 960 cfs
Overtopping Flood Frequency = 405 years
Overtopping Flood Elevation = 791.2

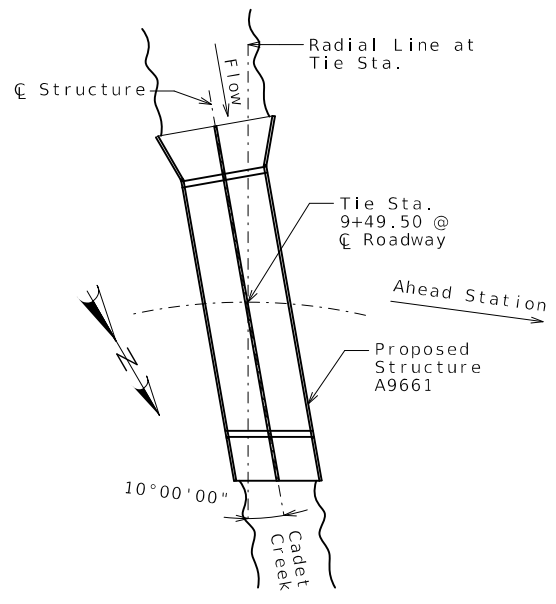
** Approx. 220' downstream of A9661.

Elevations
Upstream (Elev. 1) = 788.30
Downstream (Elev. 2) = 787.20
Pr. Gr. at Tie Sta. = 803.03

Fill Heights
@ Rdwy at @ Culvert = 7.4 ft
Design (All units) = 8 ft

Dimensions are based on end units. Fill heights are measured from the top of top slab to the top of earth fill or roadway.

Estimated Quantities			Final
Class 4 Excavation	cu. yard	255	
Dewatering	lump sum	1	
Class B-1 Concrete (Culverts-Bridge)	cu. yard	197.6	
Reinforcing Steel (Culverts-Bridge)	pound	25,430	



LOCATION SKETCH

B.M.
 CHISELED "■" IN S.E. CORNER OF
 2'X2' CONCRETE PAD 239± RT. STA. 203+01±
 @ PROP. RTE 47 ELEV. 806.39

General Notes:
 Design Specifications:
 2010 AASHTO LRFD Bridge Design Specifications and 2010 Interim Revisions

Design Loading:
 Vehicular = HL-93 minus lane load, Earth = 120 lb/cf
 Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Design Unit Stresses:
 Class B-1 Concrete (Box Culvert) f'c = 4,000 psi
 Reinforcing Steel (ASTM A615 Grade 60) fy = 60,000 psi

Standard Plans:
 703.37, 703.45, 703.46, 703.47
Miscellaneous:
 MoDOT Construction personnel will indicate the type of box culvert constructed:
 Precast Concrete Box used
 Cast-in-Place Concrete Box used

When alternate precast concrete box sections are used, the minimum distance from inside face of headwalls to precast sections measured along the shortest wall shall be 3 feet. Reinforcement and dimensions for wings and headwalls shall be in accordance with Missouri Standard Plans.
 Channel bottom shall be graded within the right of way for transition of channel bed to culvert openings. Channel banks shall be tapered to match culvert openings. (Roadway Item)

Traffic Handling:
 Structure to be closed during construction. Traffic to be maintained on other routes during construction. See roadway plans for traffic control.

CULVERT-BRIDGE: RELOCATED RODERICK ROAD OVER CADET CREEK
 ROUTE 47 FROM ROUTE E TO ROUTE 67
 ABOUT 1.2 MILES EAST OF ROUTE E
 TIE STATION 9+49.50

DATE PREPARED
2/18/2026

ROUTE 47 STATE MO
 DISTRICT BR SHEET NO. 1

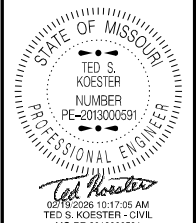
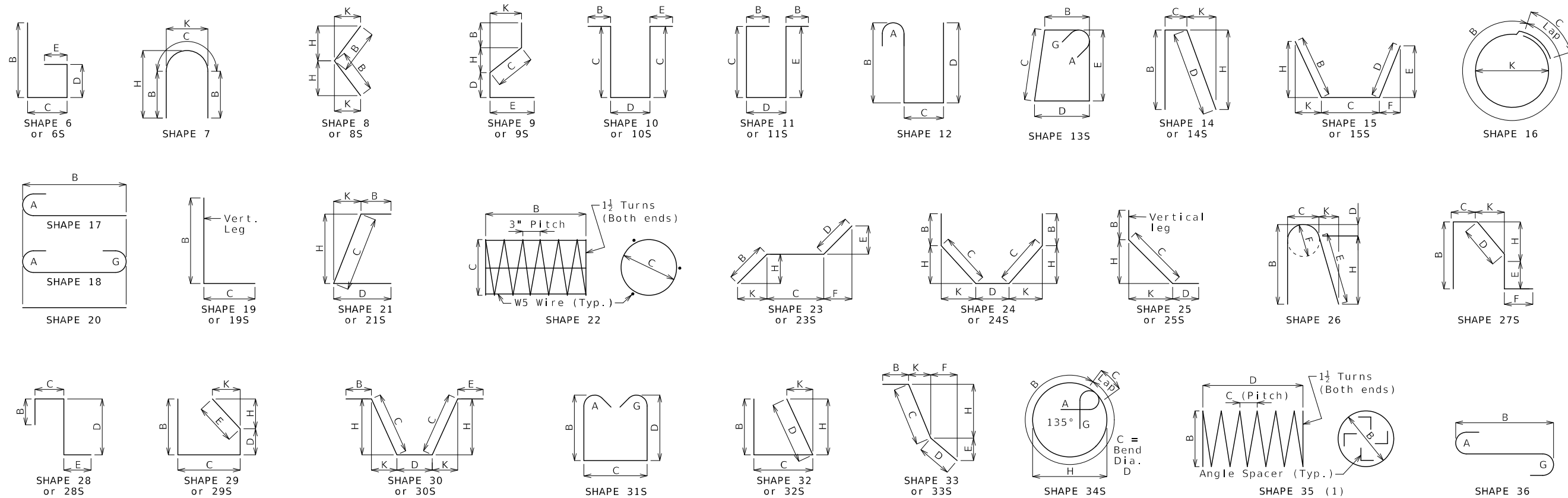
COUNTY WASHINGTON
 JOB NO. JCD0135
 CONTRACT ID.

BRIDGE NO. A9661

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED		2/18/2026	
ROUTE	STATE	47	MO
DISTRICT	SHEET NO.	BR	2
COUNTY			
WASHINGTON			
JOB NO.			
JCD0135			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
A9661			

DESCRIPTION	DATE

Finished Bend Diameters D and Hook Dimensions

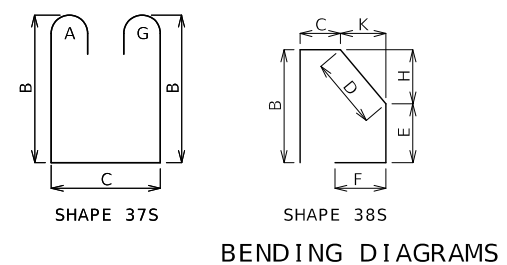
Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3 3/4"	10"	7"	5"
#6	1	4 1/2"	12"	8 1/4"	6"
	2	5 1/4"	14"	9 3/4"	7"
#7	3	7"	15"	11 1/2"	8 3/4"
	2	6"	16"	11"	8"
#8	3	8"	17"	13 1/4"	10"
	2	6"	16"	11"	8"
#9	1	9 1/2"	19 1/2"	15 1/2"	11 3/4"
#10	1	10 3/4"	22"	17 1/2"	13 1/4"
#11	1	12"	24 1/2"	19 1/2"	14 7/8"
#14	1	18 1/4"	31 1/4"	27 1/2"	21 5/8"
#18	1	24"	41 1/2"	36 1/4"	28 1/2"

Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G		H	J	
			90°	135°	180°	135°	180°
#4	2	2"	4 1/2"	4 1/2"	5"	2 5/8"	3"
	3	3"	5"	5 1/4"	6"	3"	4"
#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 3/8"	3 3/4"
	3	3 3/4"	6 1/4"	6 1/2"	7"	3 5/8"	5"
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 5/8"	6"

Applicable for all grades of steel.
 Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.



BENDING DIAGRAMS

All dimensions are out to out. (1) Shall be a deformed or plain spiral bar or wire.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

Reinforcing Steel Totals (Pounds)

Size	Substructure		Superstructure			Entire Bridge	
	Plain	Galv.	Slab		Slip Form	Plain	Galv.
			Plain	Galv.			
W5	0	0	0	0	0	0	0
4	0	0	4,811	0	0	4,811	0
5	0	0	15,501	0	0	15,501	0
6	0	0	3,679	0	0	3,679	0
7	0	0	841	0	0	841	0
8	0	0	596	0	0	596	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
By Type	0	0	25,428	0	0	25,428	0

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

