

DESIGN DESIGNATION

A.A.D.T. - 2025 = 5499
 A.A.D.T. - 2045 = 6226
 D.H.V. = 8%
 T = 13%
 V = 55 M.P.H.
 D = 50%

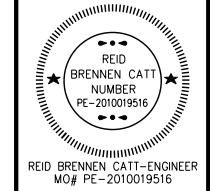
FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

**NORMAL RIGHT OF WAY
 TO BE ACQUIRED**

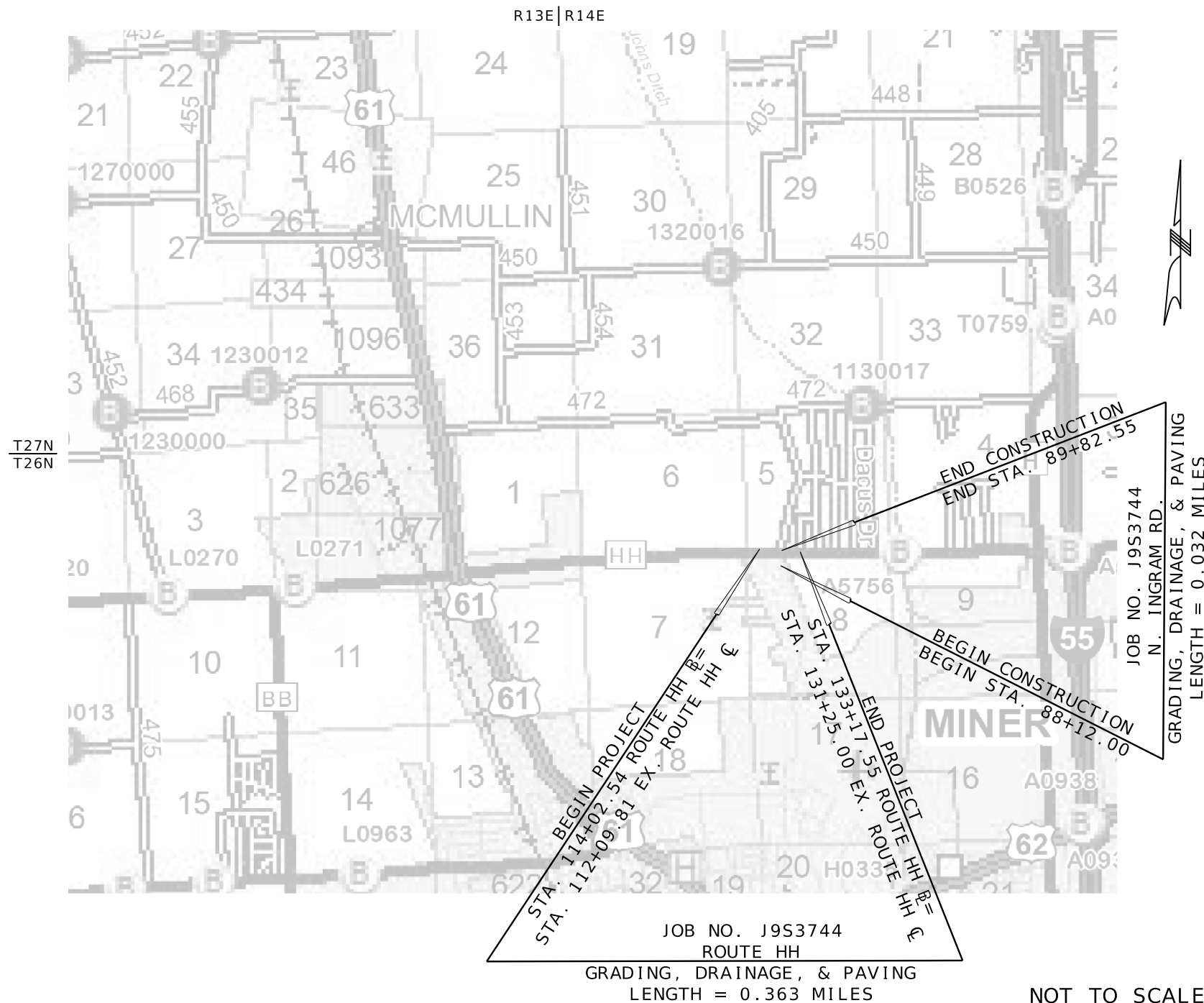
**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY HH
 SCOTT COUNTY
 SEC. 5 & 8, T26N, R14E**

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (3 SHEETS)---	2
QUANTITIES (QU) (4 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-9
COORDINATE POINTS (CP)-----	10
SPECIAL SHEETS (SS)-----	11-12
TRAFFIC CONTROL SHEETS (TC)-----	13-20
EROSION CONTROL SHEETS (EC)-----	21-23
PAVEMENT MARKING & SIGNING (PM & SN)	24-27
CULVERT SECTIONS (CS)-----	28-29
CROSS SECTIONS (XS)-----	1-39



DATE PREPARED	12/17/2024
ROUTE	HH
STATE	MO
DISTRICT	SE
SHEET NO.	1
COUNTY	SCOTT
JOB NO.	J9S3744
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

LENGTH OF PROJECT

ROUTE HH @	
BEGINNING OF PROJECT	STA. 114+02.54
END OF PROJECT	STA. 133+17.55
APPARENT LENGTH	1915.01 FEET
N. INGRAM RD. @	
BEGIN CONSTRUCTION	STA. 88+12.00
END CONSTRUCTION	STA. 89+82.55
APPARENT LENGTH	170.55 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1915.01 FEET
STATE LENGTH	0.363 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	2.65 ACRES

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.

JOB NO. J9S3744
 ROUTE HH
 GRADING, DRAINAGE, & PAVING
 LENGTH = 0.363 MILES

NOT TO SCALE

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF
 AUTHORITY NO. 001592

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

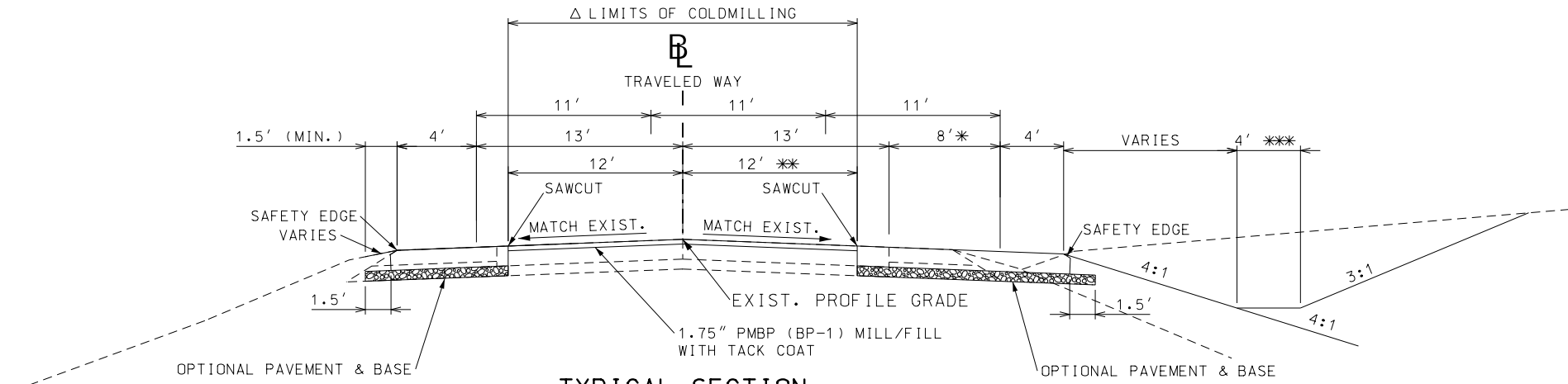
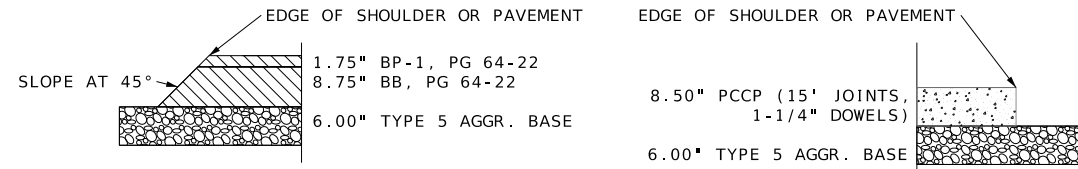
NOTE:
 CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTIONAL PAVEMENT. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTIONAL PAVEMENT IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS SHOULD BE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES SHOULD BE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

ROUTE HH OPTIONAL PAVEMENT DESIGN

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-1, PG 64-22	1.948
BB, PG 64-22	1.943

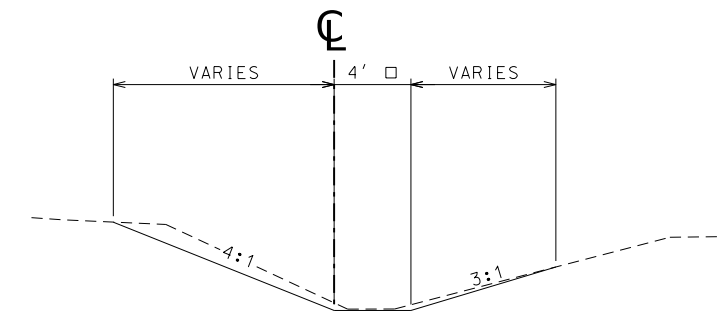
TACK COAT APPLICATION RATE 0.10 GAL/YD2 (UNDILUTED)



TYPICAL SECTION
 ROUTE HH

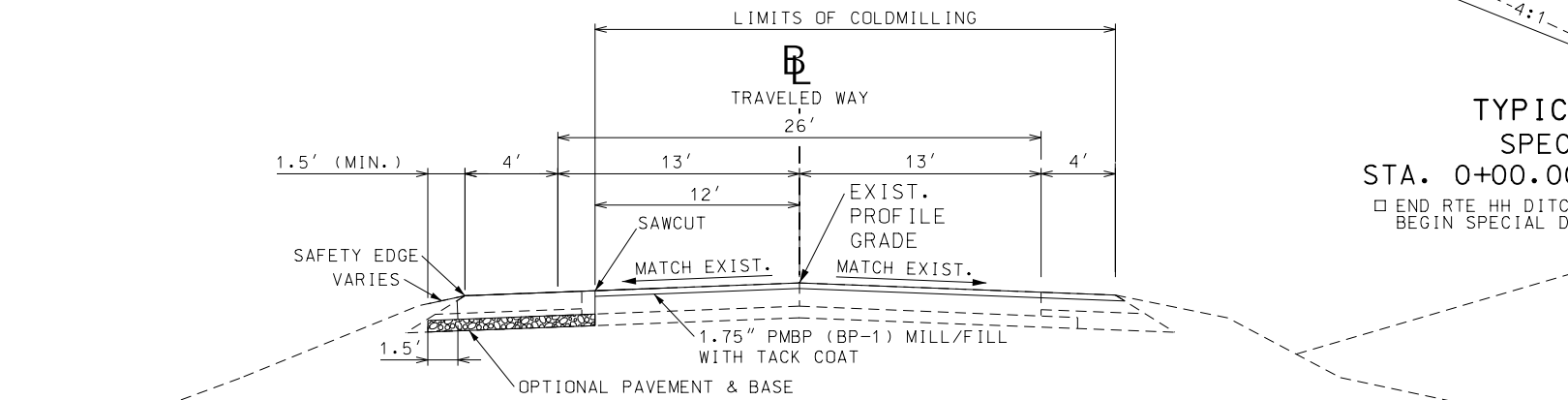
STA. 115+15.75 TO STA. 119+19.25
 STA. 121+63.52 TO STA. 129+53.74

- * TAPER 0' TO 8' FROM STA. 115+42.57 TO STA. 118+97.34
- TAPER 8' TO 0' FROM STA. 125+67.90 TO STA. 129+53.74
- ** 11' FROM STA. 118+68.85 TO STA. 121+50.25
- *** DITCH TAPER 4' TO 0' FROM STA. 122+38.76 TO STA. 123+45.15
- Δ DEPTH TRANSITION FROM STA. 117+44.25 TO STA. 119+19.25
- STA. 120+90.22 TO STA. 122+65.22



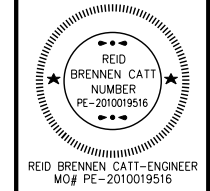
TYPICAL SECTION
 SPECIAL DITCH

STA. 0+00.00 TO STA. 1+27.17
 □ END RTE HH DITCH CONST. STA. 118+68.85 =
 BEGIN SPECIAL DITCH CONST. STA. 0+00.00



TYPICAL SECTION
 ROUTE HH

STA. 114+02.54 TO STA. 115+15.75



DATE PREPARED	
10/30/2024	
ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
SCOTT	
JOB NO.	
J9S3744	
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)

550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF AUTHORITY NO. 001592

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

NOTE:
 CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTIONAL PAVEMENT. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTIONAL PAVEMENT IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS SHOULD BE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES SHOULD BE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

N. INGRAM RD. OPTIONAL PAVEMENT DESIGN

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-1, PG 64-22	1.948
BB, PG 64-22	1.943

TACK COAT APPLICATION RATE 0.10 GAL/YD2 (UNDILUTED)



REID BRENNEN CATT-ENGINEER
 MO# PE-2010019516

DATE PREPARED

10/30/2024

ROUTE STATE

HH MO

DISTRICT SHEET NO.

SE 2

COUNTY

SCOTT

JOB NO.

J9S3744

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

olsson

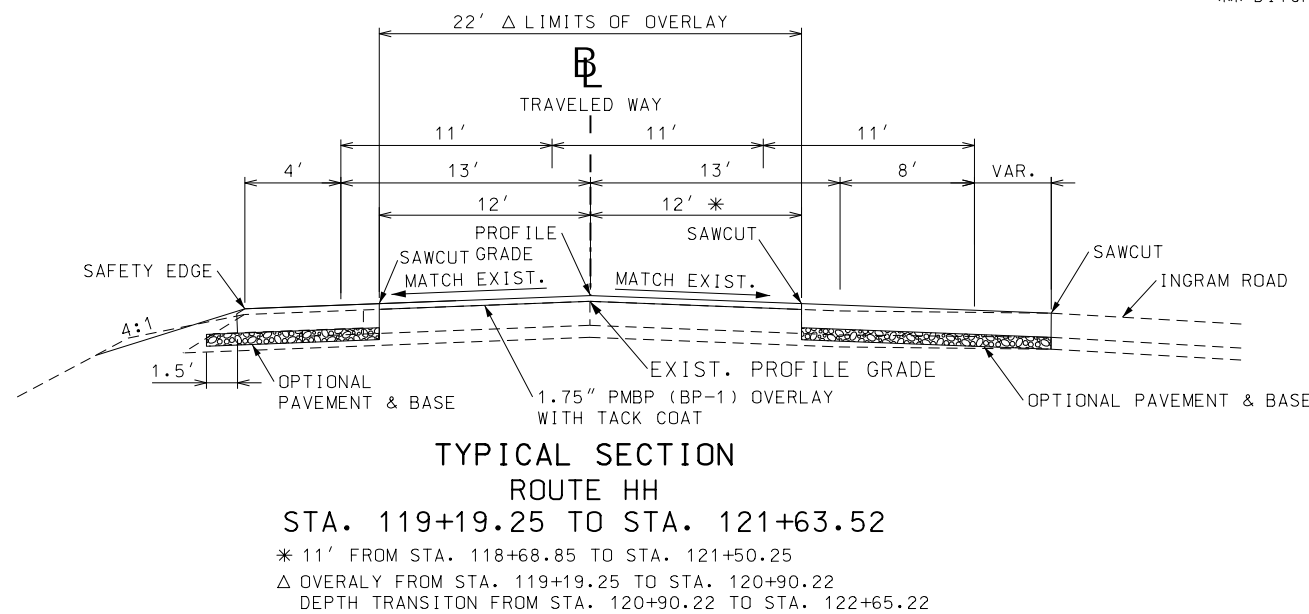
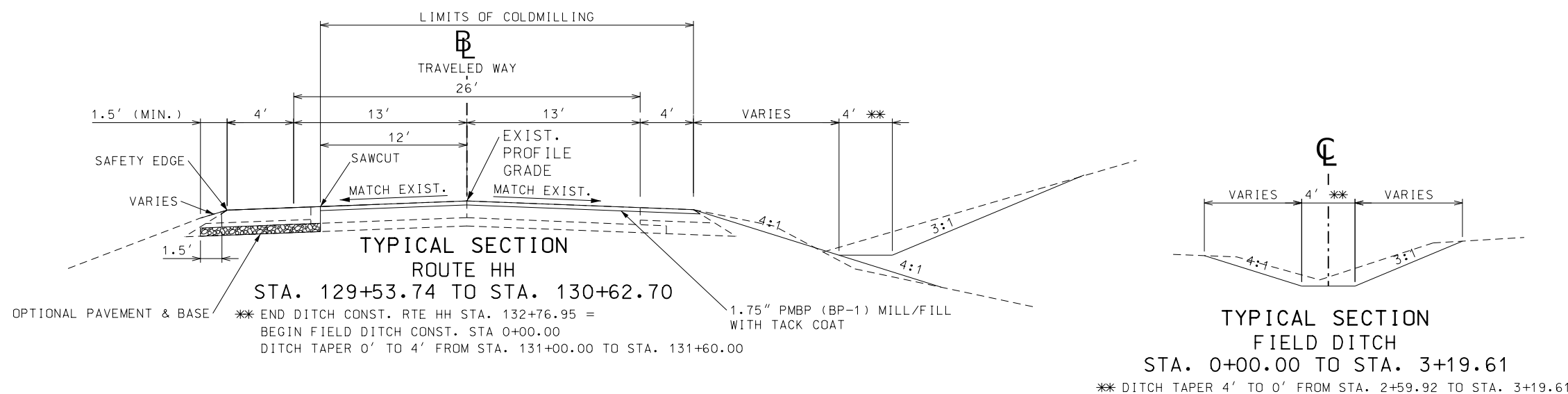
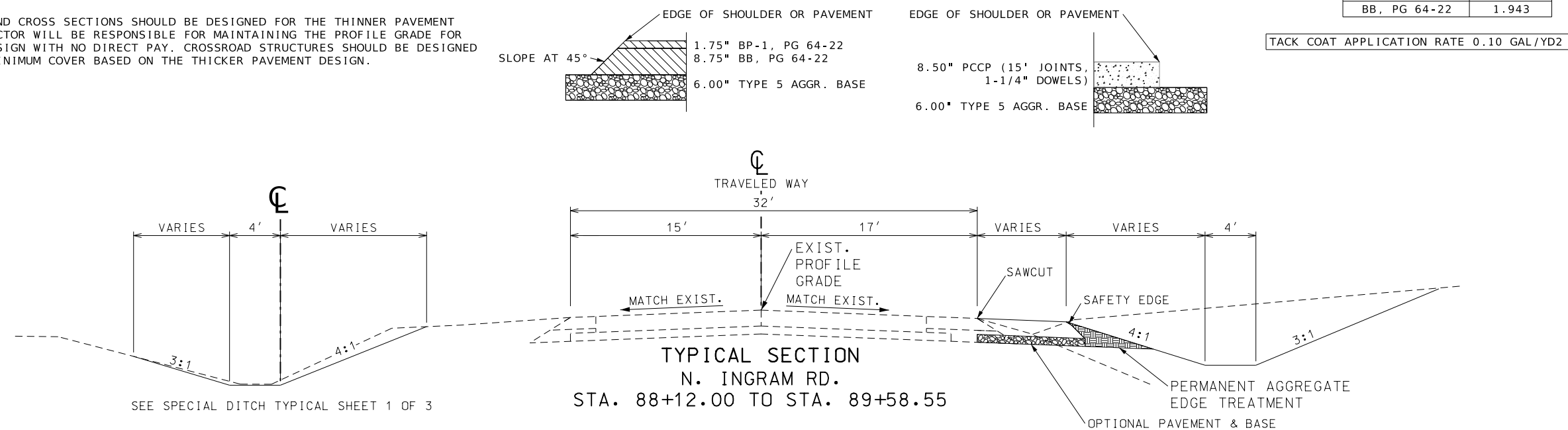
550 ST. LOUIS STREET

SPRINGFIELD, MO 65806

PH. (417) 890-8802

CERTIFICATE OF

AUTHORITY NO. 001592



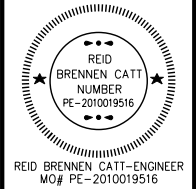
TYPICAL SHEET
 2 OF 3

NOTE:
 CROSS SECTIONS AND EARTHWORK IN THIS PROJECT ARE BASED ON THE CONCRETE OPTIONAL PAVEMENT. CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS WITH NO EXTRA PAY IF ASPHALT OPTIONAL PAVEMENT IS USED.

SUBGRADE PROFILE AND CROSS SECTIONS SHOULD BE DESIGNED FOR THE THINNER PAVEMENT DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE PROFILE GRADE FOR EITHER PAVEMENT DESIGN WITH NO DIRECT PAY. CROSSROAD STRUCTURES SHOULD BE DESIGNED TO ACCOMMODATE A MINIMUM COVER BASED ON THE THICKER PAVEMENT DESIGN.

ASPHALT FACTORS	
MATERIAL	TONS/CY
BP-1, PG 64-22	1.948
BB, PG 64-22	1.943

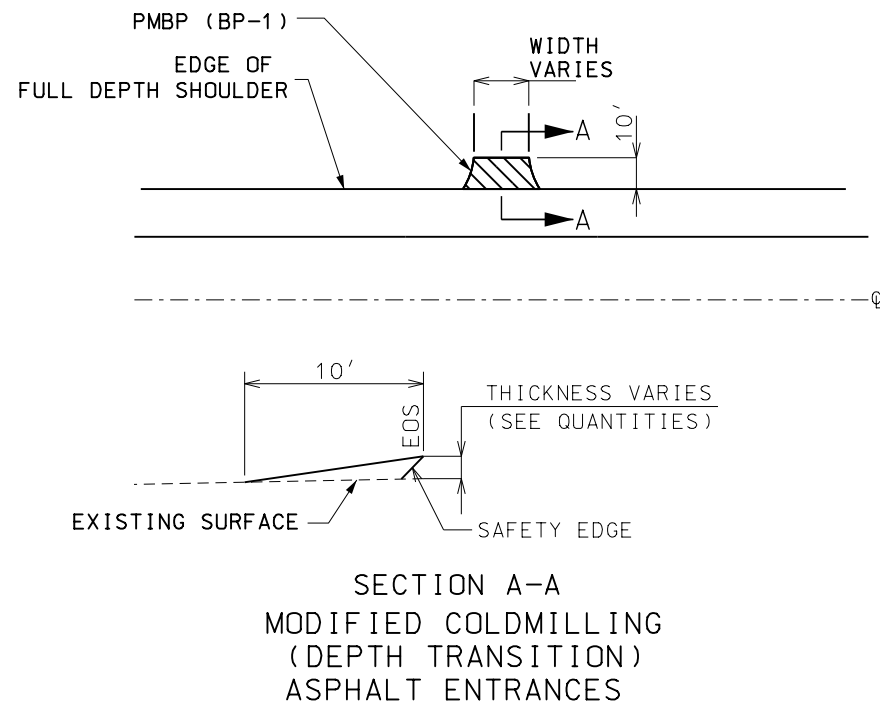
TACK COAT APPLICATION RATE 0.10 GAL/YD2 (UNDILUTED)



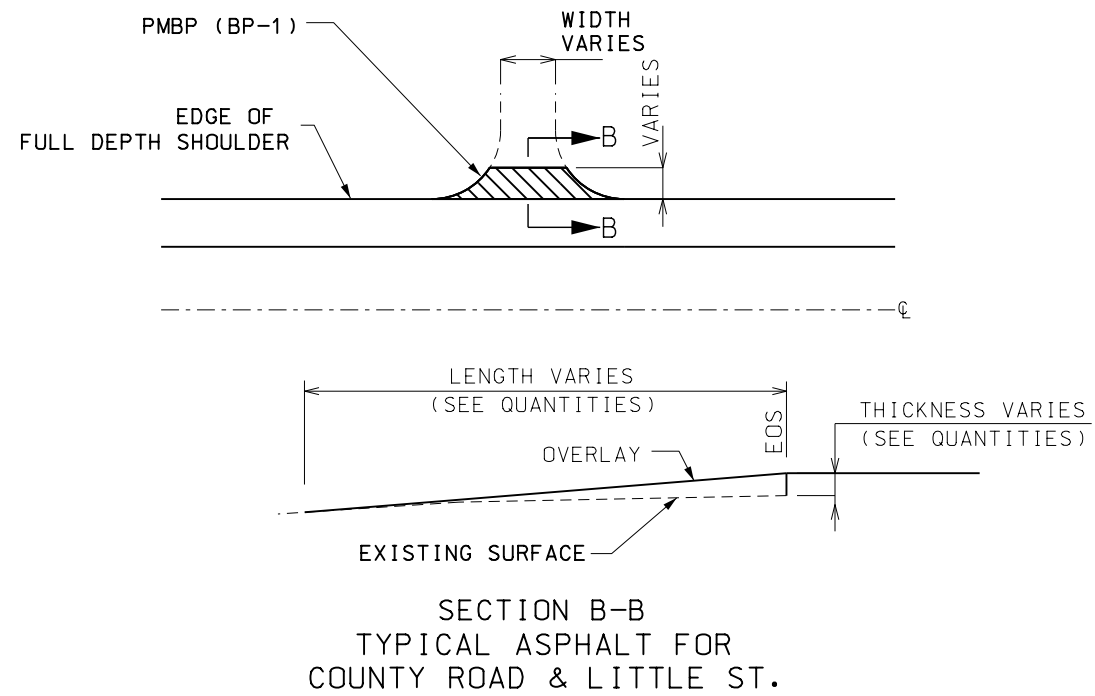
DATE PREPARED
 10/30/2024
 ROUTE STATE
 HH MO
 DISTRICT SHEET NO.
 SE 2
 COUNTY
 SCOTT
 JOB NO.
 J9S3744
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION



SECTION A-A
 MODIFIED COLDMILLING
 (DEPTH TRANSITION)
 ASPHALT ENTRANCES



SECTION B-B
 TYPICAL ASPHALT FOR
 COUNTY ROAD & LITTLE ST.

NOT TO SCALE

TYPICAL SHEET
 3 OF 3

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

olsson
 550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF AUTHORITY NO. 001592

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

REMOVAL OF IMPROVEMENTS				
SHEET	STA.	STA.	LOCATION	DESCRIPTION
4	114+02.54		ROUTE HH LT	5' SAWCUT
4-7	114+02.54	130+62.70	ROUTE HH LT	1661' SAWCUT
4-7	114+02.54	130+62.70	ROUTE HH LT	1045 SY PAVEMENT
4	115+15.75		ROUTE HH RT	5' SAWCUT
4-7	115+15.75	129+53.74	ROUTE HH RT	1440' SAWCUT
4-7	115+15.75	129+53.74	ROUTE HH RT	1014 SY PAVEMENT
5	119+30.77	120+56.94	ROUTE HH RT	126' SAWCUT
5	119+74.46	119+90.24	ROUTE HH RT	18 SY CONCRETE MEDIAN
5	119+74.46	119+90.24	ROUTE HH RT	6 TUBULAR MARKERS
5	120+26.97	120+45.06	ROUTE HH RT	25 SY CONCRETE MEDIAN
5	120+26.97	120+45.06	ROUTE HH RT	4 TUBULAR MARKERS
5	120+29.29		ROUTE HH RT	1 SIGN, POST, & BASE
5	120+62.89		ROUTE HH RT	1 SIGN, POST, & BASE
5	122+41.42		ROUTE HH RT	6' X 24" PIPE
7	129+53.74		ROUTE HH RT	5' SAWCUT
7	130+62.70		ROUTE HH LT	5' SAWCUT
9	88+12.00		INGRAM RD RT	2' SAWCUT
9	88+12.00	89+57.40	INGRAM RD RT	169' SAWCUT
9	88+12.00	88+54.39	INGRAM RD RT	43' CURB & GUTTER
9	88+39.51	89+57.40	INGRAM RD RT	77 SY PAVEMENT
9	88+46.63		INGRAM RD RT	17' X 24" PIPE
1 LUMP SUM				

PAVEMENT							
SHEET	STA.	STA.	LOCATION	OPTIONAL PAVEMENT (SY)	BIT. PAVEMENT MIXTURE PG64-22 (BP-1) (TON)	TACK COAT (GAL)	6" TYPE 5 AGGREGATE (SY)
4-7	114+02.54	130+62.70	ROUTE HH LT	922.6			922.6
4-7	115+15.75	129+53.74	ROUTE HH RT	1680.5			1680.5
4-7	114+02.54	130+62.70	ROUTE HH		428.0	452.0	
5	120+12.76		ROUTE HH LT		12.9	13.6	
5	123+48.45		ROUTE HH LT		6.6	7.0	
6	126+51.29		ROUTE HH LT		8.0	8.4	
6	127+22.26		ROUTE HH LT		1.9	2.1	
6	128+93.50		ROUTE HH LT		2.5	2.6	
7	129+72.83		ROUTE HH LT		1.8	1.9	
7	130+47.43		ROUTE HH LT		1.6	1.7	
9	88+27.21	89+57.40	INGRAM RD RT	1680.5			224.7
TOTALS				2603.1	463.3	489.3	2603.1
PAY TOTAL				2603.1	463.3	489.0	2603.0

ROCK										
SHEET	STA.	STA.	LOCATION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	TYPE 2 ROCK DITCH LINER		ROCK LINING (CY)	NOTES
							FURNISHING (CY)	PLACING (CY)		
28	122+41.42		ROUTE HH RT	14	6	1			3	
7	131+00.00	133+13.39	ROUTE HH RT	213.4	VARIES	1	148.1	148.1		
29	88+46.63		INGRAM RD RT	14	6	1			3	
29	88+12.00	88+43.90	INGRAM RD RT	31.9	VARIES	1	14.1	14.1		
TOTALS							162.2	162.2	6	
PAY TOTAL							162	162	6	

DRAINAGE						
SHEET	STA.	LOCATION	CLASS 3 EXCAVATION (CY)	PIPE COLLAR TYPE A (EA)	24 IN. PIPE GROUP A (LF)	24 IN. GROUP A F.E.S. (EA)
28	122+41.42	ROUTE HH RT	8	1	16	1
29	88+46.63	INGRAM RD RT	9	1	15	1
TOTALS			17	2	31	2
PAY TOTAL			17	2	31	2

CONCRETE MEDIAN				
SHEET	STA.	STA.	LOCATION	3 IN. CONCRETE MEDIAN (SY)
9	89+17.69	89+52.55	INGRAM ROAD RT	9.2
TOTALS				9.2
PAY TOTAL				9.2

ADDITIONAL MOBILIZATION FOR SEEDING
4 EACH

CONTRACTOR FURNISHED
SURVEYING & STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

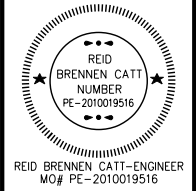
COLDMILLING					
SHEET NO.	STA.	STA.	LOCATION	PAVEMENT REMOVAL <3" (SY)	MODIFIED DEPTH TRANSITION (SY)
4-5	114+02.54	117+44.25	ROUTE HH	977.2	
5	117+44.25	119+19.25	ROUTE HH		461.1
5	120+90.22	122+65.22	ROUTE HH		460.0
5-7	122+65.22	130+62.70	ROUTE HH	2186.9	
TOTALS				3164.1	921.1

SEEDING AND MULCHING						
SHEET NO.	STA.	STA.	LOCATION	COOL SEASON GRASS SEEDING (AC)	TEMPORARY SEEDING (AC)	MULCHING (AC)
23	114+02.54	119+87.81	ROUTE HH LT	0.02	0.01	0.03
23	114+02.54	119+71.77	ROUTE HH RT	0.12	0.04	0.16
23	120+31.17	123+16.86	ROUTE HH LT	0.01	0	0.01
23	120+42.87	133+06.59	ROUTE HH RT	0.9	0.3	1.2
23	123+85.08	126+26.78	ROUTE HH LT	0.01	0	0.01
23	126+73.41	127+10.01	ROUTE HH LT	0.01	0	0.01
23	127+32.01	128+80.57	ROUTE HH LT	0.01	0	0.01
23	129+05.27	129+61.15	ROUTE HH LT	0.01	0	0.01
23	129+82.03	130+35.58	ROUTE HH LT	0.01	0	0.01
23	130+57.05	130+62.69	ROUTE HH LT	0.01	0	0.01
23	131+00.00	133+06.59	ROUTE HH RT	0.04	0.01	0.05
TOTALS				1.15	0.36	1.51
PAY TOTAL				1.2	0.4	1.6

GUTTER				
SHEET	STA.	STA.	LOCATION	TYPE A CONCRETE GUTTER (LF)
9	88+12.00	88+27.49	INGRAM RD	16
TOTAL				16

EARTHWORK						
SHEET	STA.	STA.	LOCATION	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	SUBGRADE COMPACTION (6-IN DEPTH) (100 FT)
1 - 31	11402.54	13276.95	ROUTE 61	3206.8	2565.4	11.4
32 - 34	88+12.00	89+75.00	INGRAM RD	337.2	269.8	1.6
35 - 36	0+00.00	127.17	SPECIAL DITCH	74.4	59.5	
37 - 39	0+00.00	321.36	FIELD DITCH	90.2	72.2	
TOTALS				3708.6	2966.9	13
PAY TOTALS				3709	2967	12.9

SUMMARY OF QUANTITIES
SHEET 1 OF 4



DATE PREPARED
12/17/2024

ROUTE STATE
HH MO

DISTRICT SHEET NO.
SE 3

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.

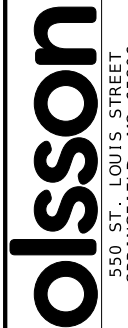
PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF AUTHORITY NO. 001592

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



Margaret Ann Bruns
12/23/2024 1:08:36 PM
Margaret Ann Bruns - Civil
MO PE-2010000798

DATE PREPARED
12/23/2024
ROUTE STATE
HH MO
DISTRICT SHEET NO.
SE 3
COUNTY
SCOTT
JOB NO.
J9S3744
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

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

PERMANENT PAVEMENT MARKING & RUMBLE STRIP

PM SHEET NO	ROADWAY	STA	STA	LOC	STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS			PREFORMED THERMOPLASTIC					OPTIONAL SHOULDER RUMBLE STRIP STA	ISLAND TUBULAR MARKER EA.	REMARKS
					4" YELLOW	4" WHITE	8" WHITE	RIGHT/LEFT TURN ARROW	STRAIGHT/LEFT TURN ARROW	12" WHITE YIELD TRIANGLE	24" WHITE STOP BAR	24" YELLOW			
					L.F.	L.F.	L.F.	EA.	EA.	EA.	L.F.	L.F.			
1	RT HH	114+02	122+40	CL	2642										LANE LINES
1	RT HH	114+02	122+40	RT		615									EDGE LINE
1	RT HH	114+02	122+40	LT		839									EDGE LINE
1	RT HH	120+98	122+40	CL		142									LANE LINE
1	RT HH	121+75		CL				1							LEFT TURN ARROW
2	RT HH	123+00		CL				1							LEFT TURN ARROW
1	RT HH	114+02	119+57	CL							77				HASH LINE
1	RT HH	114+02	118+67	RT								4.7			RUMBLE STRIP
1	RT HH	114+02	119+36	LT								5.3			RUMBLE STRIP
1	INGRAM RD	86+70	89+50	CL	554										DOUBLE YELLOW
1	INGRAM RD	88+12	89+68	RT		216									EDGE LINE
1	INGRAM RD	88+12	89+68	LT		176									EDGE LINE
1	INGRAM RD	88+90	89+62	RT			155							3	MEDIAN MARKING
1	INGRAM RD	89+00		LT				1	1						
1	INGRAM RD	89+50		CL							13				STOP LINE
1	INGRAM RD	89+46		RT						9					YIELD LINE
2	RT HH	122+40	130+63	RT		824									EDGE LINE
2	RT HH	122+40	130+63	LT		822									EDGE LINE
2	RT HH	122+40	123+88	CL		147									LANE LINE
2	RT HH	122+40	160+63	CL	2996										LANE LINES
1 & 2	RT HH	122+14	130+63	RT								8.5			RUMBLE STRIP
1 & 2	RT HH	121+63	122+66	LT								1.0			RUMBLE STRIP
2	RT HH	125+19	125+75	LT								0.6			RUMBLE STRIP
SUBTOTAL					6192	3781	155	3	1	9	13	77	20.1	3	
PAY TOTAL					6192	3781	155	3	1	9	13	77	20.1	3	

PAVEMENT EDGE TREATMENT

TC SHEET	STAGE	ROADWAY	STA	STA	LOC	PAVEMENT EDGE TREATMENT	REMARKS
						L.F.	
1	1	RTE HH	114+02	130+63	LT	1661	SHOULDER REPLACEMENT
2	2	RTE HH	114+02	118+67	RT	465	SHOULDER REPLACEMENT
2	2	RTE HH	120+22	130+63	RT	1051	SHOULDER REPLACEMENT
2	2	INGRAM	88+12	89+70	RT	158	SHOULDER REPLACEMENT
3	3	RTE HH	118+67	120+25	RT	158	SHOULDER REPLACEMENT
SUBTOTAL						3493	
PAY TOTAL						3493	

TEMPORARY PAVEMENT MARKING

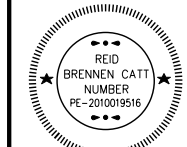
TC PLAN SHEET	STAGE	ROADWAY	STA	STA	LOC	TEMPORARY PAVEMENT MARKING PAINT 4"	PAVEMENT MARKING REMOVAL
						L.F.	L.F.
1	1	RTE HH	114+02	130+63	LT	6748	6748
1	1	INGRAM	89+50		RT	84	
2	2	RTE HH	113+00	118+67	RT	2268	6748
2	2	RTE HH	120+22	130+63	RT	4204	
2	2	INGRAM	85+45	89+70	RT	1164	
2	2	INGRAM	89+70		RT	108	
3	3	RTE HH	117+63	120+25	RT	780	7636
3	3	INGRAM	87+62	89+71		1281	
3	3	INGRAM	89+70		RT	126	
SUBTOTAL						16763	21132
PAY TOTAL						16763	21132

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

SUMMARY OF QUANTITIES
SHEET 3 OF 4

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

SHEET NO.	STA.	STA.	LOCATION	PHASE	SEDIMENT TRAP		ALTERNATE DITCH CHECK (FT)	SILT FENCE (FT)	TYPE 3 TURF REINFORCEMENT MAT (SY)	TYPE 3B EROSION CONTROL BLANKET (SY)	SEDIMENT REMOVAL (CY)
					EXAVATION (CY)	ROCK (CY)					
					21	119+68.23					
21	122+44.55		ROUTE HH RT	INITIAL	5	5					1
21	132+85.80		ROUTE HH RT	INITIAL	5	5					1
22	114+02.54	119+92.15	ROUTE HH LT	CONSTRUCTION				592			6
22	116+86.47		ROUTE HH RT	CONSTRUCTION			12				1
22	118+37.11		ROUTE HH RT	CONSTRUCTION			12				1
22	120+23.62	123+22.39	ROUTE HH LT	CONSTRUCTION				300			3
22	120+97.49		ROUTE HH RT	CONSTRUCTION			12				1
22	121+75.81		ROUTE HH RT	CONSTRUCTION			12				1
22	123+72.06	126+37.32	ROUTE HH LT	CONSTRUCTION				266			3
22	124+12.21		ROUTE HH RT	CONSTRUCTION			12				1
22	125+62.00		ROUTE HH RT	CONSTRUCTION			12				1
22	126+66.94	127+15.39	ROUTE HH LT	CONSTRUCTION				48			1
22	127+11.93		ROUTE HH RT	CONSTRUCTION			12				1
22	127+29.14	128+81.35	ROUTE HH LT	CONSTRUCTION				151			2
22	129+05.35	129+64.90	ROUTE HH LT	CONSTRUCTION				55			1
22	129+79.32	130+41.54	ROUTE HH LT	CONSTRUCTION				62			1
22	130+12.00		ROUTE HH RT	CONSTRUCTION			12				1
22	130+53.01	130+75.90	ROUTE HH LT	CONSTRUCTION				10			1
22	131+62.00		ROUTE HH RT	CONSTRUCTION			12				1
22	132+93.51		ROUTE HH RT	CONSTRUCTION			12				1
22	132+98.68		ROUTE HH RT	CONSTRUCTION			12				1
23	114+02.54	119+87.81	ROUTE HH LT	FINAL						107.6	
23	114+02.54	119+71.77	ROUTE HH RT	FINAL						294.9	
23	116+11.00	119+69.09	ROUTE HH RT	FINAL					168.8	113.6	
23	116+11.00	119+70.60	ROUTE HH RT	FINAL							
23	120+31.17	123+16.86	ROUTE HH LT	FINAL						58.2	
23	120+42.87	13277.69	ROUTE HH RT	FINAL						3633.5	
23	120+54.58	120+64.62	ROUTE HH RT	FINAL						9.2	
23	120+60.57	122+42.81	ROUTE HH RT	FINAL				99.9			
23	122+48.44	123+4515	ROUTE HH RT	FINAL				21.0			
23	123+85.08	126+26.78	ROUTE HH LT	FINAL						61.4	
23	126+73.41	127+10.01	ROUTE HH LT	FINAL						8.6	
23	127+32.01	128+80.57	ROUTE HH LT	FINAL						34.7	
23	129+05.27	129+61.15	ROUTE HH LT	FINAL						11.2	
23	129+82.03	130+35.58	ROUTE HH LT	FINAL						11.9	
23	130+57.05	130+62.69	ROUTE HH LT	FINAL						0.8	
23	13294.37	13300.11	ROUTE HH LT	FINAL						48.4	
23			ROUTE HH LT	FINAL				193.9			
23	131+00.00	133+06.59	ROUTE HH RT	FINAL						184.4	
				TOTALS	15	15	132	1484	483.6	4578.4	32
				PAY TOTAL	15	15	132	1484	484.0	4578.0	32



REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
10/30/2024

ROUTE HH	STATE MO
DISTRICT SE	SHEET NO. 3

COUNTY
SCOTT

JOB NO.
J9S3744

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)

Olsson

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF AUTHORITY NO. 001592

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

Table with columns: SIGN, SIZE IN., AREA SQ. FT., QTY EACH, TOTAL AREA SQ. FT., QTY RELOC EACH, TOTAL RELOC SQ. FT., SIGN NUM., DESCRIPTION. Includes rows for Warning Signs, Regulatory Signs, and Miscellaneous Signs.

Table with columns: SIGN, SIZE IN., AREA SQ. FT., QTY EACH, TOTAL AREA SQ. FT., QTY RELOC EACH, TOTAL RELOC SQ. FT., SIGN NUM., DESCRIPTION. Includes rows for Guide Signs and Regulatory Signs.

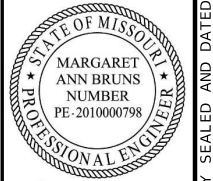
Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists specific sign items and their quantities.

Table with columns: SIGN, SIZE IN., AREA SQ. FT., QTY EACH, TOTAL AREA SQ. FT., QTY RELOC EACH, TOTAL RELOC SQ. FT., SIGN NUM., DESCRIPTION. Includes rows for Miscellaneous Signs and summary rows.

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

SUMMARY OF QUANTITIES SHEET 4 OF 4

*NO DIRECT PAY WILL BE MADE FOR THE RELOCATION OF TEMPORARY SIGNING AND/OR TEMPORARY TRAFFIC CONTROL DEVICES. NOTE: ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.



Form with fields: DATE PREPARED 11/5/2024, ROUTE HH, STATE MO, DISTRICT SE, SHEET NO. 3, COUNTY SCOTT, JOB NO. J9S3744, CONTRACT ID., PROJECT NO., BRIDGE NO.

Table with columns: DESCRIPTION, DATE. Blank table for project details.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION logo and address: 105 WEST CAPITOL JEFFERSON CITY, MO 65102. Phone: 1-888-ASK-MODOT (1-888-275-6636).

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

COMMON CORNER OF SECTIONS 4, 5, 8 & 9, T26N-R14E THE FIFTH PRINCIAL MERIDIAN AS DESCRIBED IN MLS DOC 600-55189 BY NORMAN LAMBERT, MO PLS 1492, 4,578.26' N87°58'46"W TO BEGINNING OF PROJECT

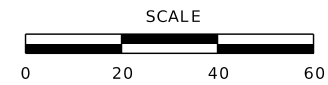
PROJECT BEGINS AT A POINT APPROX. 4,575.42' WEST & 161.42' NORTH OF THE SECTION CORNER OF SECTIONS 4, 5, 8 & 9, T26N R14E.

SW1/4 SW1/4
5-26N-14E

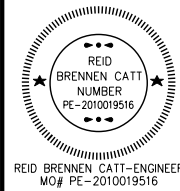
115

EXIST. C (EX_RTE_HH)
PI 114+30.77
PC 112+84.39
PT 115+76.90
O 5° 51' 00.0" (RT)
L 1° 59' 59.7"
D 292.51'
T 146.38'
R 2,864.90'

CONST. R (RTE_HH)
PI 115+63.19
PC 113+24.82
PT 118+01.20
Δ 5°27'32.1" (RT)
D 1°8'45.3"
L 476.38' (ARC)
T 238.37'
R 5,000.00'



N/F CHARLES RANNELLS ETAL
NO ACQUISITION

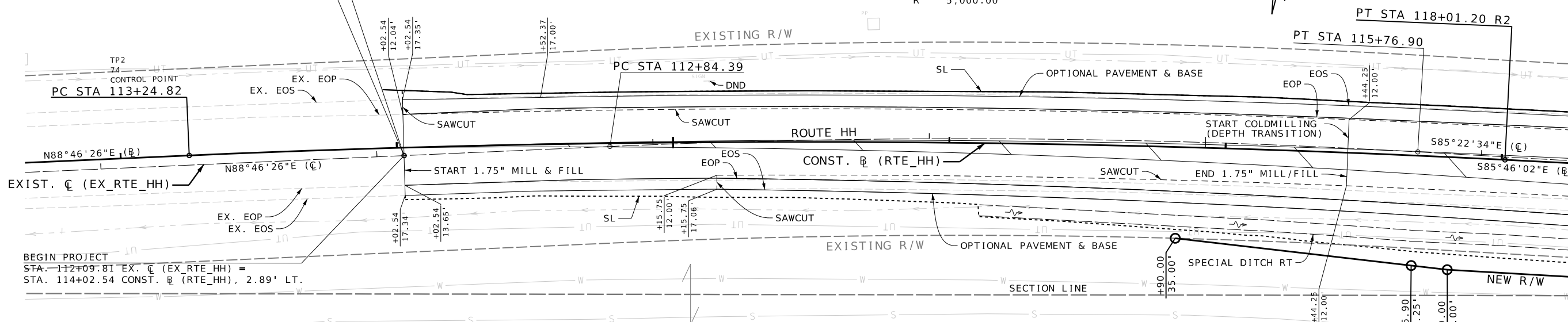


DATE PREPARED
10/30/2024

ROUTE STATE
HH MO
DISTRICT SHEET NO.
SE 4

COUNTY
SCOTT
JOB NO.
J9S3744
CONTRACT ID.

PROJECT NO.
BRIDGE NO.



GENERAL NOTE:
THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS AND REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.

NEW RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 114+90.00 TO STA. 131+25.00 EXISTING ROUTE HH C, A DISTANCE OF 0.31 MILES, TEMPORARY EASEMENT LIMITS FOR THIS PROJECT EXTEND FROM STA. 129+40.00 TO STA. 131+25.00 EXISTING ROUTE HH C, A DISTANCE OF 0.04 MILES.

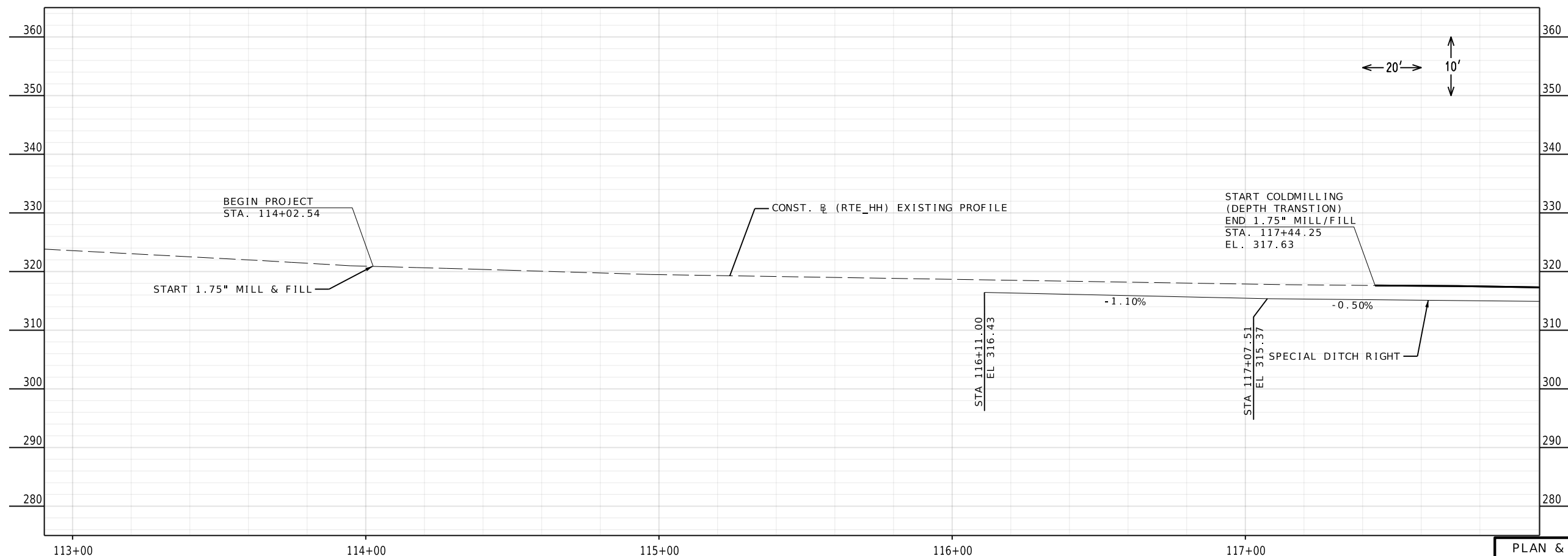
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, EAST ZONE.

①
KATHERINE CHRISTINE MATTHEWS,
TRUSTEE OF THE SEPARATE TRUST
CREATED FOR KATHERINE CHRISTINE MATTHEWS
UNDER THE IRREVOCABLE TRUST AGREEMENT
DATED DECEMBER 30 1988 ET AL

0.02 AC. NEW R/W
491.11 AC. REMAINING

NW1/4 NW1/4
8-26N-14E



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

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF
AUTHORITY NO. 001592

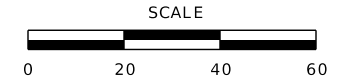
N/F CHARLES RANNELLS ETAL
NO ACQUISITION

SW1/4 SW1/4
5-26N-14E

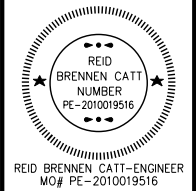
BM# 2
STA. 119+83.95, 32.43' RT.
CHAIN \bar{B} (RTE_HH)
EL. 315.6560

JUSTIN DECKER & SUSAN KIMBALL
NO ACQUISITION

GARY W COOK
NO ACQUISITION



SE1/4 SW1/4
5-26N-14E

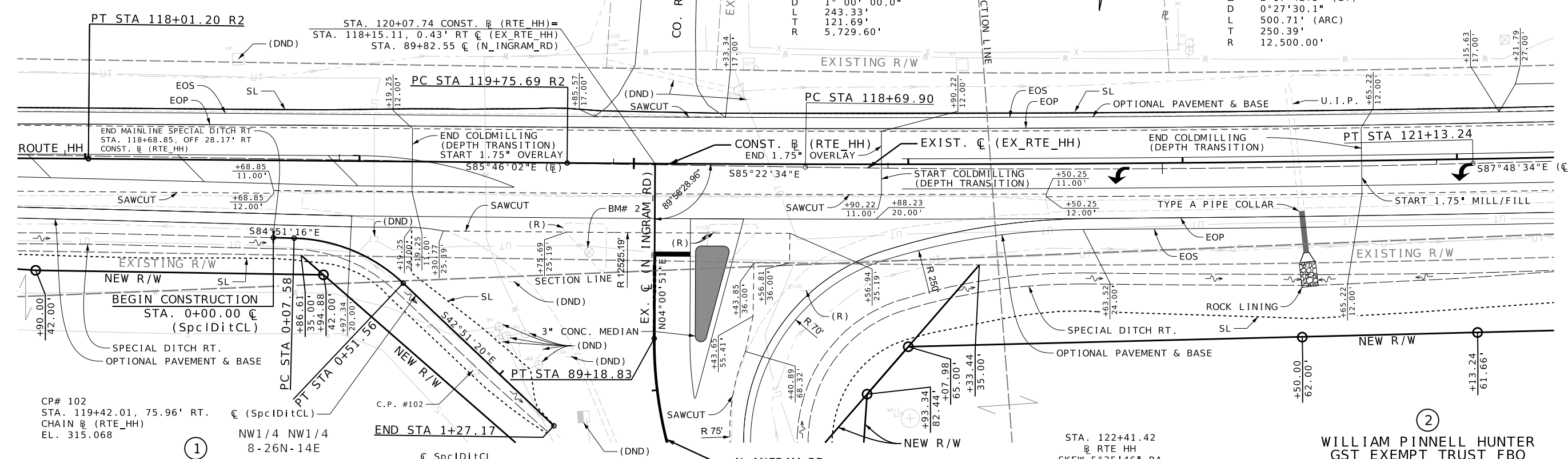
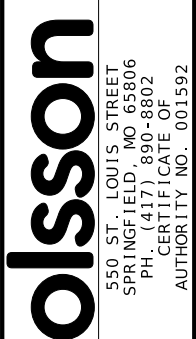


DATE PREPARED
10/30/2024
ROUTE
HH MO
DISTRICT SHEET NO.
SE 5

COUNTY
SCOTT
JOB NO.
J9S3744
CONTRACT ID.

DATE	DESCRIPTION

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



① KATHERINE CHRISTINE MATTHEWS, TRUSTEE OF THE SEPARATED TRUST CREATED FOR KATHERINE CHRISTINE MATTHEWS UNDER THE IRREVOCABLE TRUST AGREEMENT DATED DECEMBER 30 1988 ET AL
SEE SHEET 4

CP# 102
STA. 119+42.01, 75.96' RT.
CHAIN \bar{B} (RTE_HH)
EL. 315.068

NW1/4 NW1/4
8-26N-14E

PC STA 0+07.58
PT STA 0+51.16"E
END STA 1+27.17

CP #102

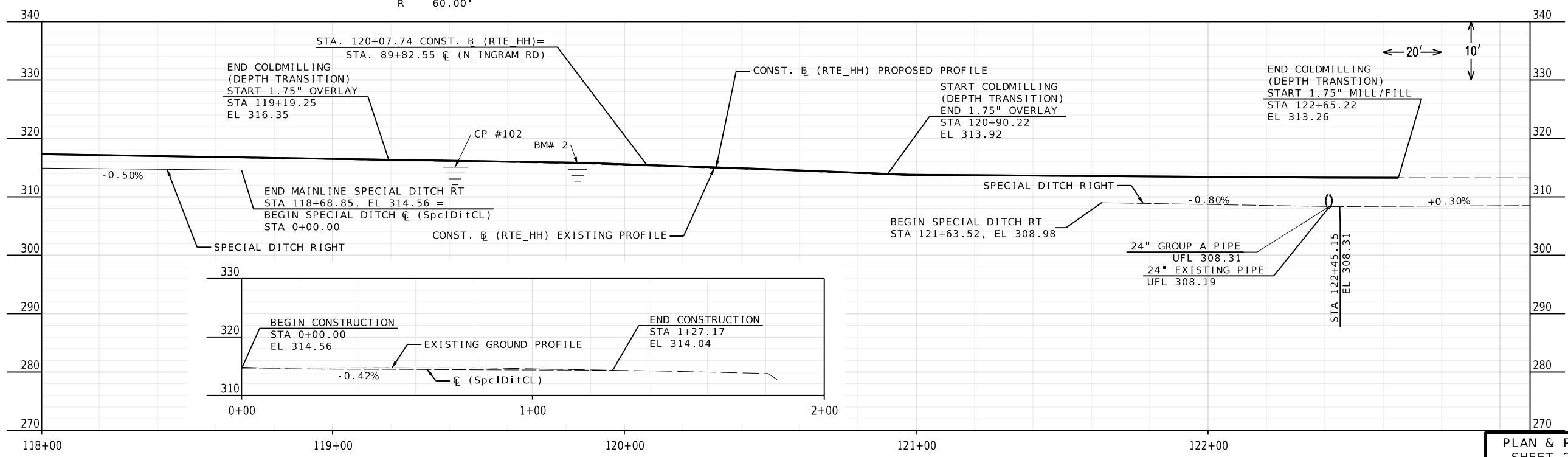
END STA 1+27.17

\bar{C} SpcIDitCL
PI 0+30.61
PC 0+07.58
PT 0+51.56
 Δ 41°59'55.8" (RT)
D 95°29'34.7"
L 43.98' (ARC)
T 23.03'
R 60.00'

STA. 122+41.42
 \bar{B} RTE HH
SKEW 5°35'46" RA
24" X 14' GROUP A PIPE (24")
1-24" GROUP A FES
1-TYPE A PIPE COLLAR

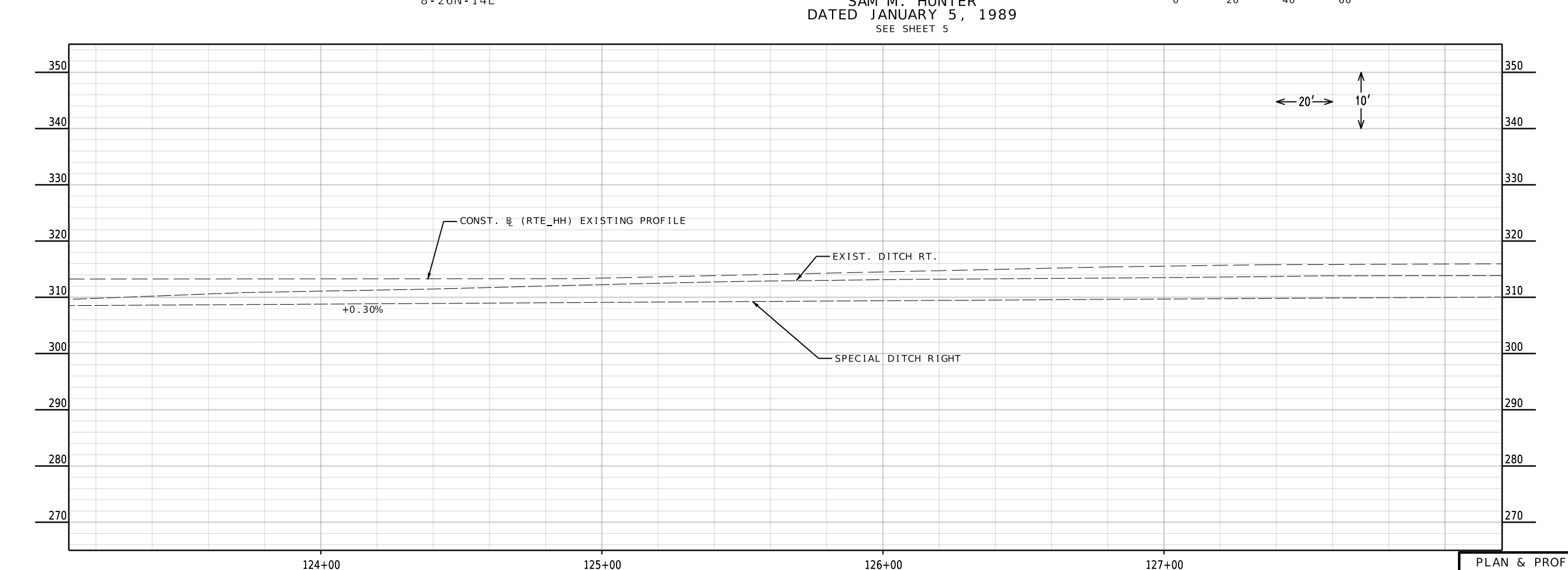
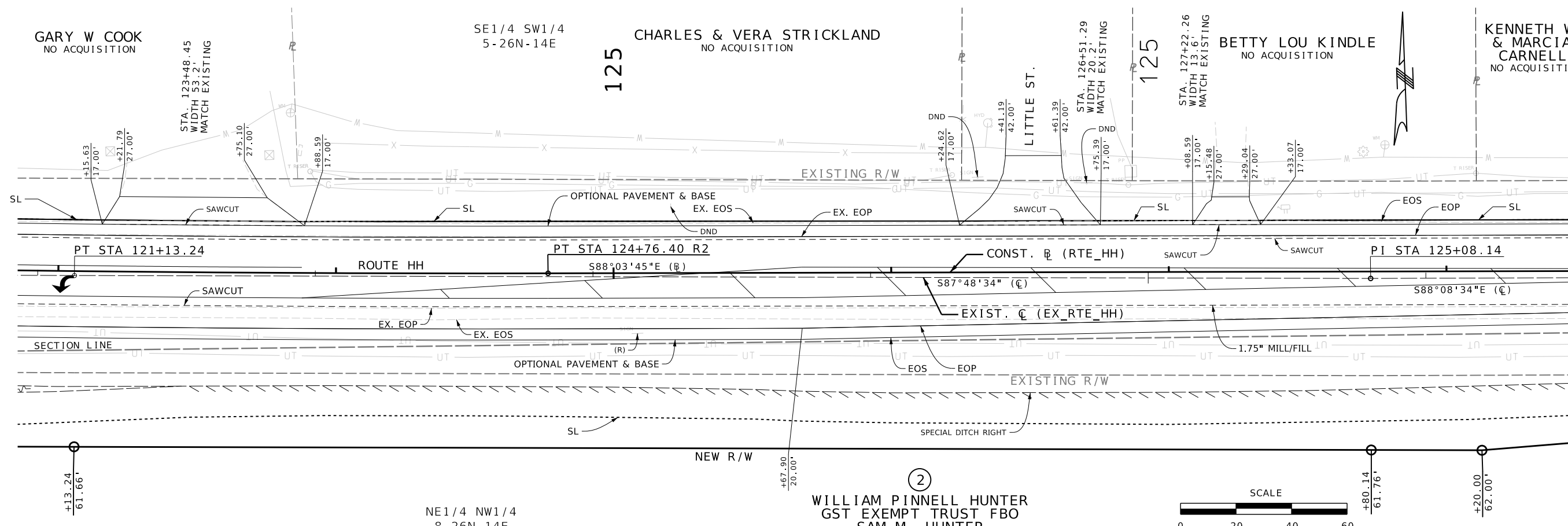
NE1/4 NW1/4
8-26N-14E

② WILLIAM PINNELL HUNTER
GST EXEMPT TRUST FBO
SAM M. HUNTER
DATED JANUARY 5, 1989
0.02 AC. NEW R/W
0.56 AC. NEW R/W
0.15 AC. TEMP ESM'T
250.09 AC. REMAINING

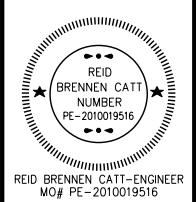


PLAN & PROFILE
SHEET 2 OF 6

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



PLAN & PROFILE
SHEET 3 OF 6



DATE PREPARED 10/30/2024	
ROUTE HH	STATE MO
DISTRICT SE	SHEET NO. 6
COUNTY SCOTT	
JOB NO. J9S3744	
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)

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF
AUTHORITY NO. 001592

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

STA. 133+49.49 CONST. R (RTE_HH) =
 STA. 131+56.94 EXIST. C (EX_RTE_HH), 1.62' RT
 EX. EOS
 NANCY DR. EX. EOP

END PROJECT
 STA. 131+25.00 EX. C (EX_RTE_HH) =
 STA. 133+17.55 CONST. R (RTE_HH), 1.72' LT.

PI STA 133+06.59

587°58'08"E (R)
 588°08'34"E (C)

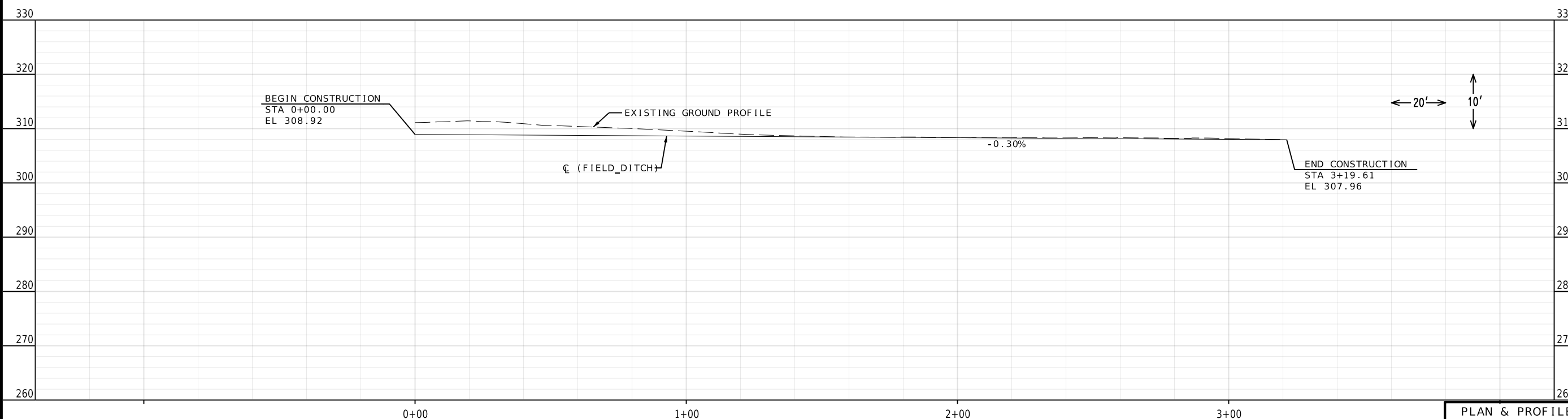
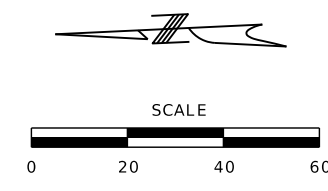
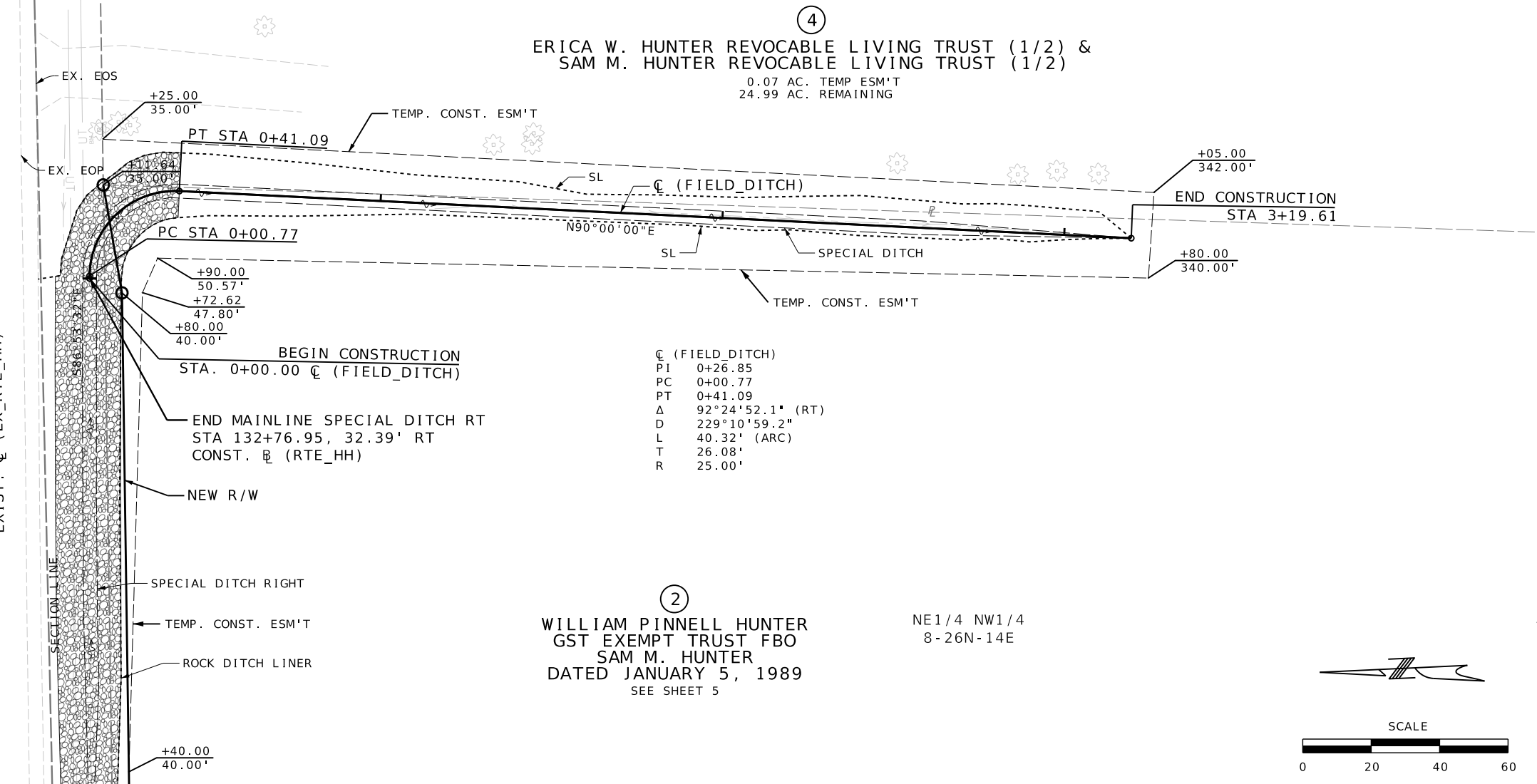
SE1/4 SW1/4
 5-26N-14E

KATHEE BROWN
 NO ACQUISITION

130
 CL &
 JANICE L
 GADBERRY
 NO ACQUISITION

ROUTE HH
 CONST. R (RTE_HH) 588°03'45"E (R)
 EXIST. C (EX_RTE_HH) 588°08'34"E (C)

④
 ERICA W. HUNTER REVOCABLE LIVING TRUST (1/2) &
 SAM M. HUNTER REVOCABLE LIVING TRUST (1/2)
 0.07 AC. TEMP ESM'T
 24.99 AC. REMAINING



REID BRENNEN CATT-ENGINEER
 MO# PE-2010019516

DATE PREPARED		10/30/2024	
ROUTE	STATE	DISTRICT	SHEET NO.
HH	MO	SE	8
COUNTY			
SCOTT			
JOB NO.			
J9S3744			
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)

550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF
 AUTHORITY NO. 001592

PLAN & PROFILE
 SHEET 5 OF 6

①
N/F KATHERINE MATTHEWS TRUST
SEE SHEET 4

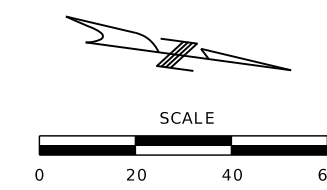
NW1/4 NW1/4
8-26N-14E

③
CITY OF SIKESTON
0.43 NEW R/W

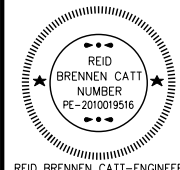
☉ (N_INGRAM_RD)
PI 88+89.46
PC 88+59.29
PT 89+18.83
Δ 22°44'23.4" (RT)
D 38°11'49.9"
L 59.53' (ARC)
T 30.16'
R 150.00'

CP# 102
STA. 119+42.01, 75.96' RT.
(CHAIN CONST. ☉ RTEHH)

☉ (SpCIDitCL) SEE SHEET 2 OF 6 FOR DETAILS
SPECIAL DITCH RT.
C.P. #102
Δ 8°29'28.3" RT
D 29°22'56.8"
L 28.90' (ARC)
R 195.00'



N/F CHARLES RANNELLS ETAL
NO ACQUISITION



DATE PREPARED	
10/30/2024	
ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	9
COUNTY	
SCOTT	
JOB NO.	
J9S3744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

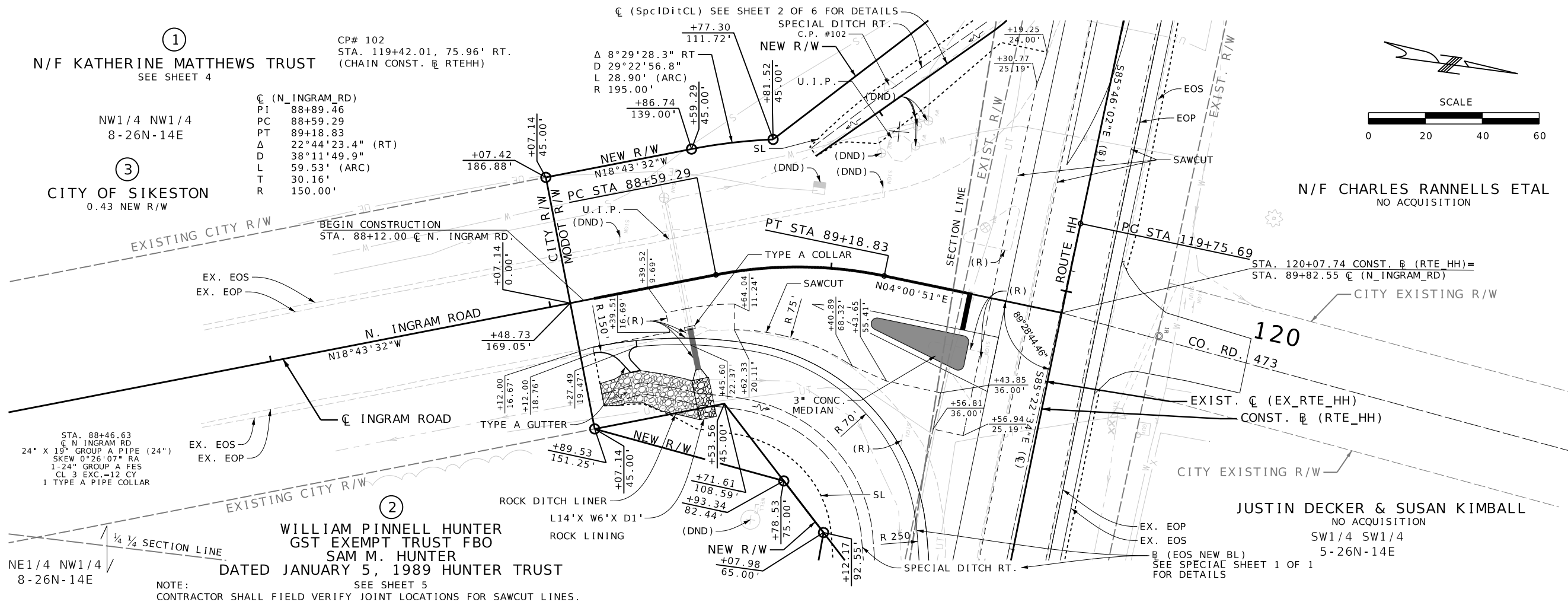
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

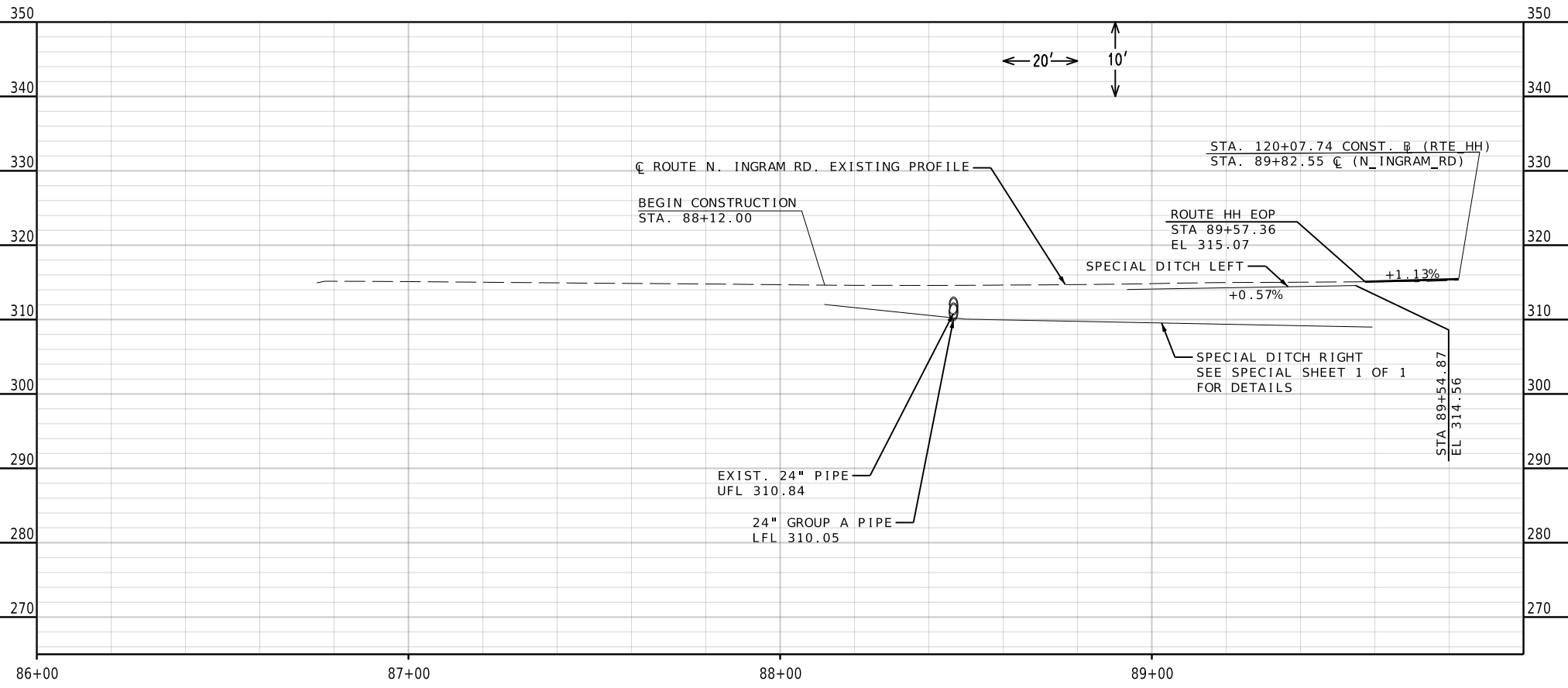
Olsson

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF
AUTHORITY NO. 001592



②
WILLIAM PINNELL HUNTER
GST EXEMPT TRUST FBO
SAM M. HUNTER
DATED JANUARY 5, 1989 HUNTER TRUST

NOTE:
CONTRACTOR SHALL FIELD VERIFY JOINT LOCATIONS FOR SAWCUT LINES.



PLAN & PROFILE
SHEET 6 OF 6

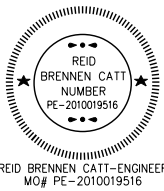
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MO SPC 83
HORIZONTAL DATUM	MODOT GNSS NETWORK
VERTICAL DATUM	NAD83 2011
GEOID MODEL	2018
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1.00000000
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MO SPC 1983
CONTROL STATION	MODX
DESIGNATION	MODOT DEXTER CORS ARP
CORS_ID	MODX
PID	DM4672
LATITUDE	895842.9584
LONGITUDE	364824.82
NORTHING (M)	108150.7910
EASTING (M)	296524.9080
ZONE	MO E
PROJECT AVERAGE GRID FACTOR	1.00000000
EXAMPLE OF PROJECT COORDINATE TO S.P.C.	
PROJECT NORTHING X AVERAGE GRID FACTOR	= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR	= STATE PLANE EASTING
EXAMPLE: CONTROL POINT #8	
N 16119096.411 X 1.00000000	= N 16119096.411
E 1469538.057 X 1.00000000	= E 1469538.057
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	


COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
	109+23.64	℄	42.43' RT.	397,339.593	1,090,891.431	328.590	5/8" REBAR W PLASTIC CAP	CP101
5	119+42.01	℄	75.96' RT.	397,291.964	1,091,902.461	315.068	5/8" REBAR W PLASTIC CAP	CP102
			LT.	397,344.168	1,093,332.173	310.701	5/8" REBAR W PLASTIC CAP	CP103
ALIGNMENTS								
℄ ROUTE HH								
-	108+90.35	℄		397,381.3017	1,090,857.2400		BEGIN ALIGNMENT ℄ (RTE_HH)	
-	113+24.82	℄		397,390.5991	1,091,291.6089		PC POINT	
4	115+63.19	LT	5.68	397,395.7001	1,091,529.9247		PI POINT	
4				392,391.7441	1,091,398.6061		CC POINT	
4	118+01.20	℄		397,378.1065	1,091,767.6450		PT POINT	
4	119+75.69	℄		397,365.2277	1,091,941.6597		PC POINT	
4	122+26.08	RT	2.51	397,346.7471	1,092,191.3662		PI POINT	
4				409,831.1338	1,092,864.2569		CC POINT	
5	124+76.40	℄		397,338.2810	1,092,441.6124		PT POINT	
5	133+06.59	℄		397,310.2110	1,093,271.3260		END ALIGNMENT ℄ (RTE_HH)	
℄ EXISTING RTE HH								
-	47+43.89	℄		397,250.3950	1,084,904.9005		BEGIN ALIGNMENT ℄ (EX_RTE_HH)	
4	112+84.39	℄		397,390.3581	1,091,443.9040		PC POINT	
4	114+30.77	LT	3.74	397,393.4906	1,091,590.2521		PI POINT	
4				394,526.1141	1,091,505.2100		CC POINT	
4	115+76.90	℄		397,381.6902	1,091,736.1586		PT POINT	
5	118+69.90	℄		397,358.0705	1,092,028.2050		PC POINT	
5	119+91.59	RT	1.29	397,348.2611	1,092,149.4944		PI POINT	
5				403,069.0234	1,092,490.0860		CC POINT	
5	121+13.24	℄		397,343.6101	1,092,271.0909		PT POINT	
6	125+80.14	℄		397,325.7644	1,092,737.6497		PT POINT	
-	136+47.94	℄		397,291.1596	1,093,804.8889		PT POINT	
-	162+15.24	℄		397,214.6775	1,096,371.0494		END ALIGNMENT ℄ (EX_RTE_HH)	
℄ INGRAM ROAD								
9	66+90.27	℄		395,186.4648	1,092,673.0672		BEGIN ALIGNMENT ℄ (N_INGRAM_RD)	
9	88+59.29	℄		397,240.6752	1,091,976.7318		PC POINT	
9	88+89.46	LT	3.00	397,269.2419	1,091,967.0483		PI POINT	
9				397,288.8307	1,092,118.7918		CC POINT	
9	89+18.83	℄		397,299.3313	1,091,969.1598		PT POINT	
9	89+82.55	℄		397,362.9035	1,091,973.6211		END ALIGNMENT ℄ (N_INGRAM_RD)	
℄ FIELD DITCH								
8	0+00.00	℄		397,280.9351	1,093,240.6773		BEGIN ALIGNMENT ℄ (FIELD_DITCH)	
8	0+00.19	℄		397,280.9221	1,093,240.8715		PC POINT	
8	0+26.96	LT	7.89	397,279.1241	1,093,267.5807		PI POINT	
8				397,254.9808	1,093,239.125		CC POINT	
8	0+41.79	℄		397,252.4787	1,093,265.0046		PT POINT	
8	3+21.36	℄		396,974.206	1,093,238.101		END ALIGNMENT ℄ (FIELD_DITCH)	
℄ SPECIAL DITCH								
5	0+00.00	℄		397,345.0164	1,091,833.0315		BEGIN ALIGNMENT ℄ (SpCIDi+CL)	
5	0+07.58	℄		397,344.3367	1,091,840.5791		PC POINT	
5	0+30.61	LT	3.99	397,342.2711	1,091,863.5174		PI POINT	
5				397,284.5785	1,091,835.1978		CC POINT	
5	0+51.56	℄		397,325.3876	1,091,879.1821		PT POINT	
5	3+21.36	℄		397,269.9612	1,091,930.6074		END ALIGNMENT ℄ (SpCIDi+CL)	
℄ EOS NEW BL								
11	0+00.00	℄		397,195.3684	1,092,011.8471		BEGIN ALIGNMENT ℄ (EOS_NEW_BL)	
11	0+07.83	℄		397,202.7992	1,092,009.3764		PC POINT	
11	0+35.94	LT	2.57	397,229.4214	1,092,000.3660		PI POINT	
11				397,250.8878	1,092,151.4591		CC POINT	
11	0+63.40	℄		397,257.4999	1,092,001.6049		PCC POINT	
11	1+16.31	LT	14.16	397,310.3580	1,092,003.9372		PI POINT	
11				397,254.4143	1,092,071.5368		CC POINT	
11	1+54.01	℄		397,322.5351	1,092,055.4264		PCC POINT	
11	1+90.65	LT	2.64	397,330.9688	1,092,091.0867		PI POINT	
11				397,079.2463	1,092,112.9638		CC POINT	
5	2+26.78	℄		397,328.8136	1,092,127.6674		END ALIGNMENT ℄ (EOS_NEW_BL)	

COORDINATE POINTS SHEET 1 OF 1




REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED	
10/30/2024	
ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	10
COUNTY	
SCOTT	
JOB NO.	
J953744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



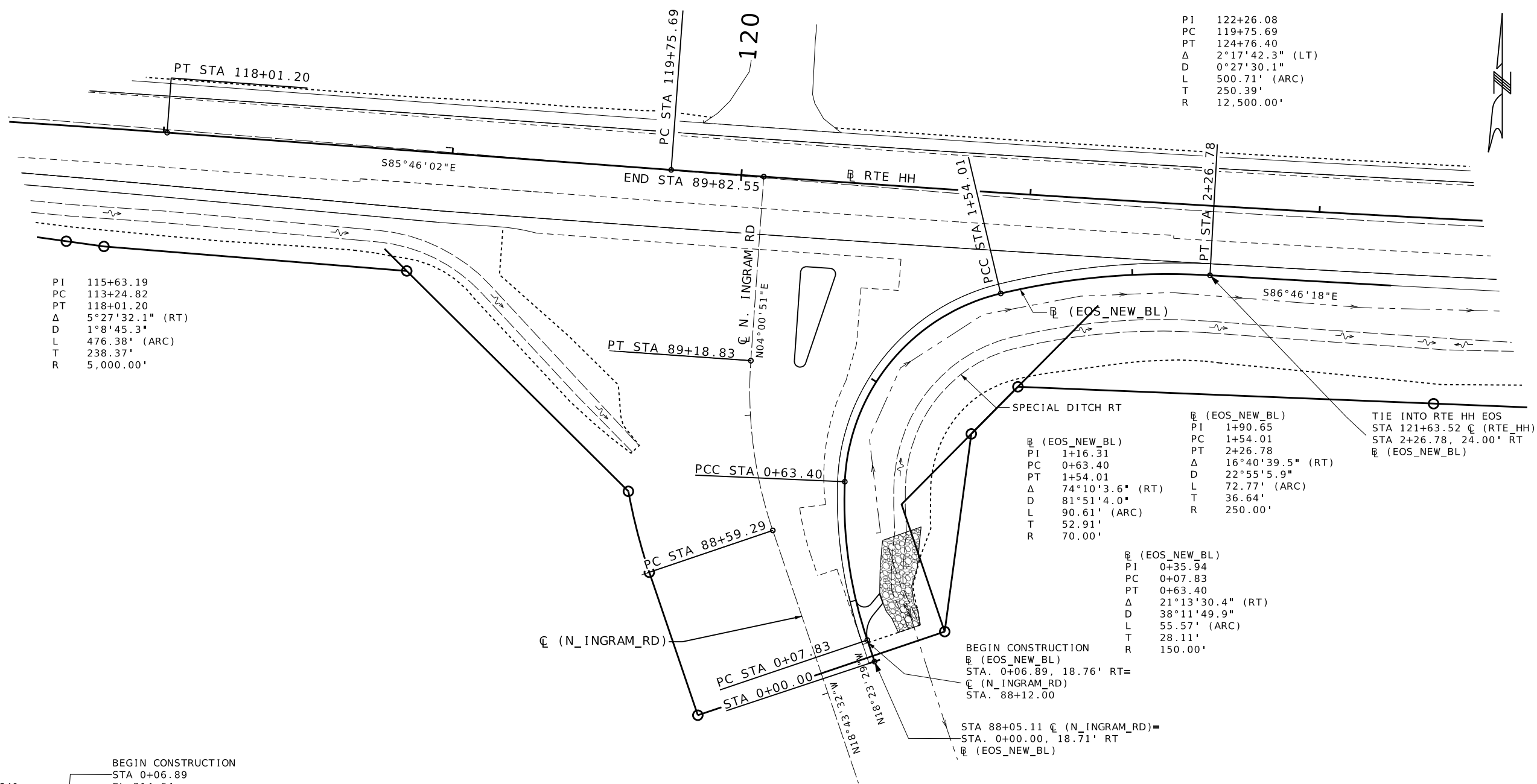
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



olsson

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF AUTHORITY NO. 001592

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



PI 115+63.19
 PC 113+24.82
 PT 118+01.20
 Δ 5°27'32.1" (RT)
 D 1°8'45.3"
 L 476.38' (ARC)
 T 238.37'
 R 5,000.00'

PI 122+26.08
 PC 119+75.69
 PT 124+76.40
 Δ 2°17'42.3" (LT)
 D 0°27'30.1"
 L 500.71' (ARC)
 T 250.39'
 R 12,500.00'

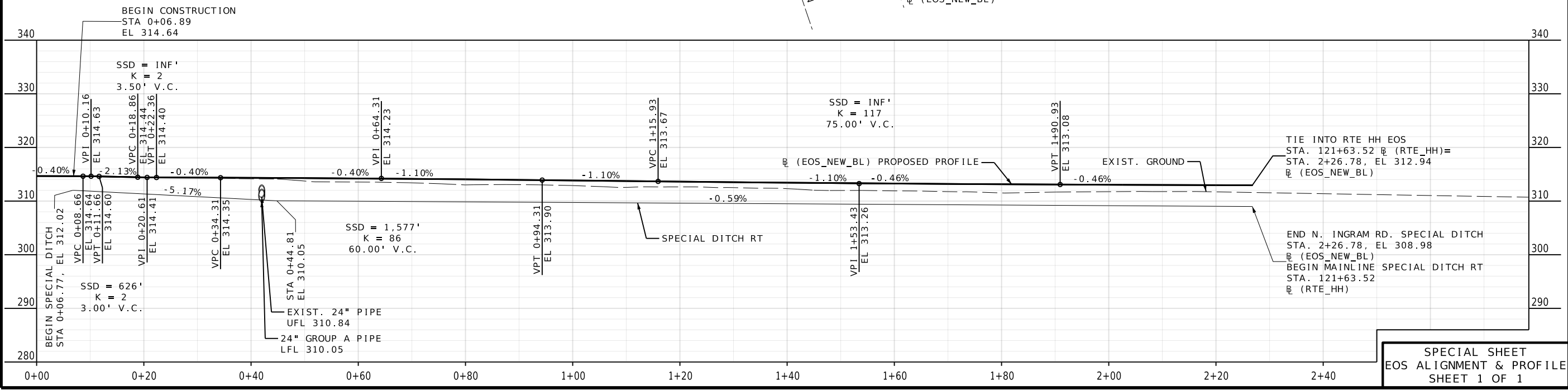
Ⓡ (EOS_NEW_BL)
 PI 1+16.31
 PC 0+63.40
 PT 1+54.01
 Δ 74°10'3.6" (RT)
 D 81°51'4.0"
 L 90.61' (ARC)
 T 52.91'
 R 70.00'


Ⓡ (EOS_NEW_BL)
 PI 0+35.94
 PC 0+07.83
 PT 0+63.40
 Δ 21°13'30.4" (RT)
 D 38°11'49.9"
 L 55.57' (ARC)
 T 28.11'
 R 150.00'

TIE INTO RTE HH EOS
 STA 121+63.52 Ⓡ (RTE_HH)=
 STA 2+26.78, 24.00' RT
 Ⓡ (EOS_NEW_BL)

BEGIN CONSTRUCTION
 Ⓡ (EOS_NEW_BL)
 STA. 0+06.89, 18.76' RT=
 Ⓡ (N_INGRAM_RD)
 STA. 88+12.00


STA 88+05.11 Ⓡ (N_INGRAM_RD)=
 STA. 0+00.00, 18.71' RT
 Ⓡ (EOS_NEW_BL)





 REID BRENNEN CATT-ENGINEER
 MO# PE-2010019516

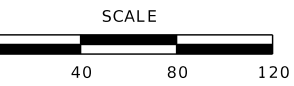
DATE PREPARED	
10/30/2024	
ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	11
COUNTY	
SCOTT	
JOB NO.	
J9S3744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

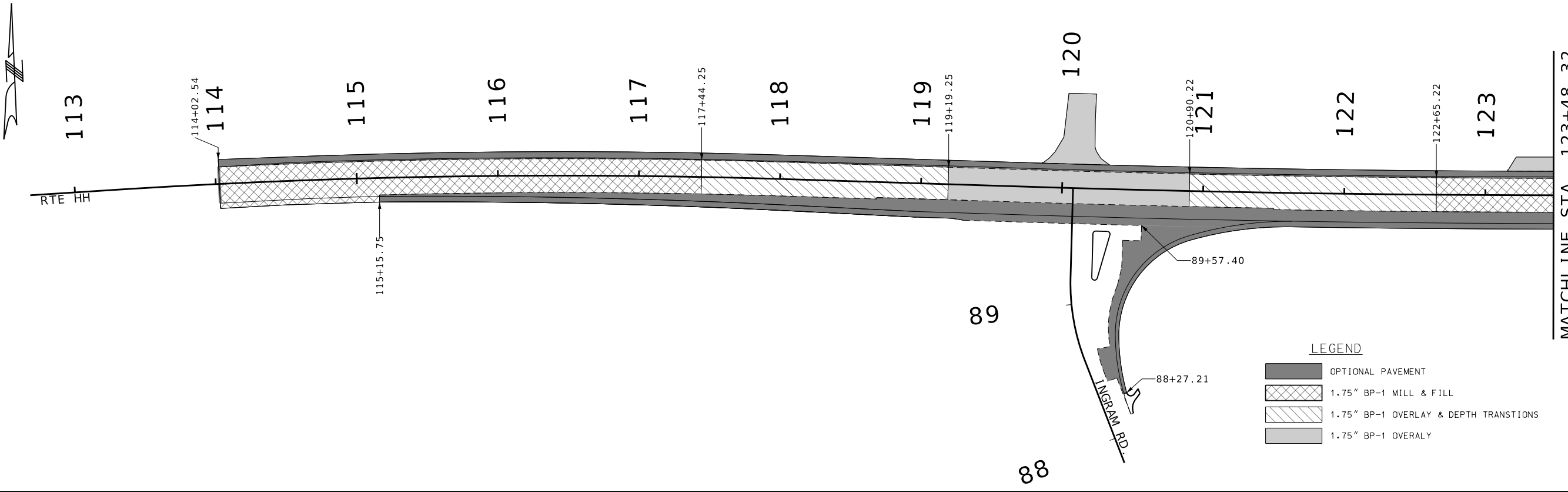
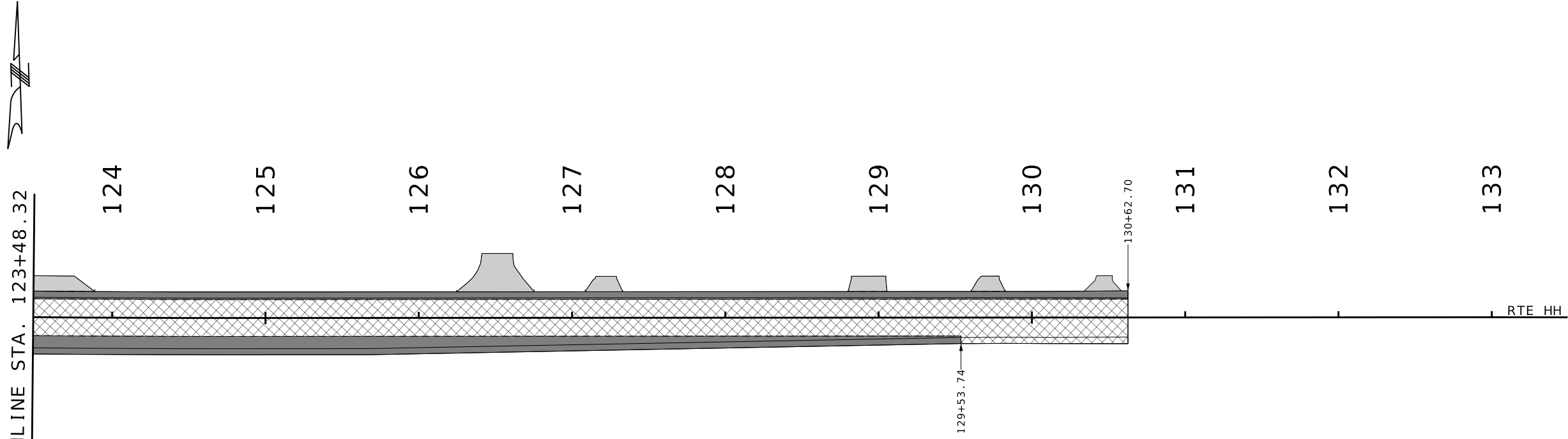

 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION


 550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF
 AUTHORITY NO. 001592

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



MATCHLINE STA. 123+48.32



LEGEND

- OPTIONAL PAVEMENT
- 1.75" BP-1 MILL & FILL
- 1.75" BP-1 OVERLAY & DEPTH TRANSITIONS
- 1.75" BP-1 OVERLAY

MATCHLINE STA. 123+48.32

olsson
 550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF
 AUTHORITY NO. 001592

SPECIAL SHEET
 PAVEMENT DETAILS
 SHEET 2 OF 2

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

DATE	DESCRIPTION

PROJECT NO.
 BRIDGE NO.

REID BRENNEN CATT-ENGINEER
 MO# PE-2010019516
 REID BRENNEN CATT
 NUMBER
 PE-2010019516

DATE PREPARED
 10/30/2024
 ROUTE STATE
 HH MO
 DISTRICT SHEET NO.
 SE 12
 COUNTY
 SCOTT
 JOB NO.
 J9S3744
 CONTRACT ID.

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

DISCLAIMER

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

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.

(2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

(4) CONCRETE BARRIER MAY BE INSTALLED AT AND 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER. CONTRACTOR MY PROVIDE CONCRETE BARRIER AT OWN EXPENSE. INCIDENTAL TO PROJECT.

SIGN SPACING FOR ADVANCE SIGN SERIES (1)	
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS
0-35	200'
50-55	500'

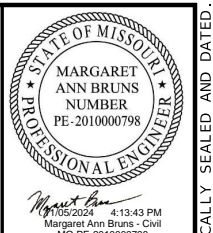
TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (2)			END TREATMENT (3)
	T1			
	10'	11'	12'	
<40	160'	168'	176'	BARRIER HEIGHT TRANSITION
>40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (T1)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT.	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
50-55	550'	605'	660'	185'	560'	50'	80'

GENERAL NOTES:

- AS WITH ALL CONSTRUCTION ACTIVITIES TRAFFIC SITUATIONS ARE SUBJECT TO CHANGE. THE CONTRACTOR SHALL BE AWARE THAT ALL TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE STANDARDS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION, SECTION 600 AND SHALL FOLLOW THE GUIDELINES IN THE MODOT 'TRAFFIC CONTROL FOR FIELD OPERATIONS MANUAL'.
- FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE SUPPLIED A MINIMUM OF FIVE (5) DAYS IN ADVANCE OF ANY TURNING RESTRICTIONS. LANE CLOSURES OR DETOURS REQUIRED BY THE TEMPORARY TRAFFIC CONTROL.
- PLACE A 'ROAD WORK AHEAD' SIGN ON THE APPROACH TO ALL INTERSECTIONS WHERE THE ADVANCE SIGNING FOR THE TEMPORARY TRAFFIC CONTROL EXTENDS PAST THAT INTERSECTION.
- NOTIFY MODOT RESIDENT ENGINEER AT XXX-XXX-XXXX (OFFICE) 48-HOURS IN ADVANCE OF ANY LANE CLOSURE OR ROADWAY CLOSURE.
- ALL EXISTING SIGNS SHALL BE USED IN PLACE. ADJUSTED AND/OR COVERED AS CONDITIONS REQUIRE.
- REFER TO MODOT'S STANDARD PLANS 619.10. SHEETS 1-3 FOR "PAVEMENT EDGE TREATMENT" DETAILS. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW THIS STANDARD DURING WORKING AND NON-WORKING HOURS.
- ALL STATIONING, DISTANCES, AND SPACING OF WORK ZONES DEVICES ARE APPROXIMATE AND MAY BE REVISED AS APPROVED BY ENGINEER.
- TYPE III MOVEABLE BARRICADES TO BE LOCATED AS APPROVED BY THE ENGINEER TO FIT FIELD CONDITIONS.
- FIRST ORDER OF WORK ON ALL PHASES SHALL BE PLACEMENT OF ALL WORK ZONE WARNING DEVICES AND SIGNS AS NOTED.
- SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED OR AS APPROVED BY THE ENGINEER.
- PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED. REFER TO QUANTITY SHEET FOR LIMITS OF PAVEMENT MARKINGS.
- SIGNS LEFT IN PLACE OVERNIGHT MUST BE MOUNTED AT 5' MINIMUM.
- ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS OR CONSTRUCTION SIGNS.
- DISTANCE MY BE ADJUSTED (INCREASED, TYPICALLY) ACCORDING TO FIELD CONDITIONS.
- FLAG ASSEMBLIES SHOULD BE PROVIDED AS SHOWN IN THE PLANS. IF PROVIDED, THE COST FOR FLAG ASSEMBLIES SHALL BE INCLUDED WITH THE COST OF CONSTRUCTION SIGNS.

TRAFFIC CONTROL
SHEET 1 OF 8



DATE PREPARED
11/5/2024

ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	13

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

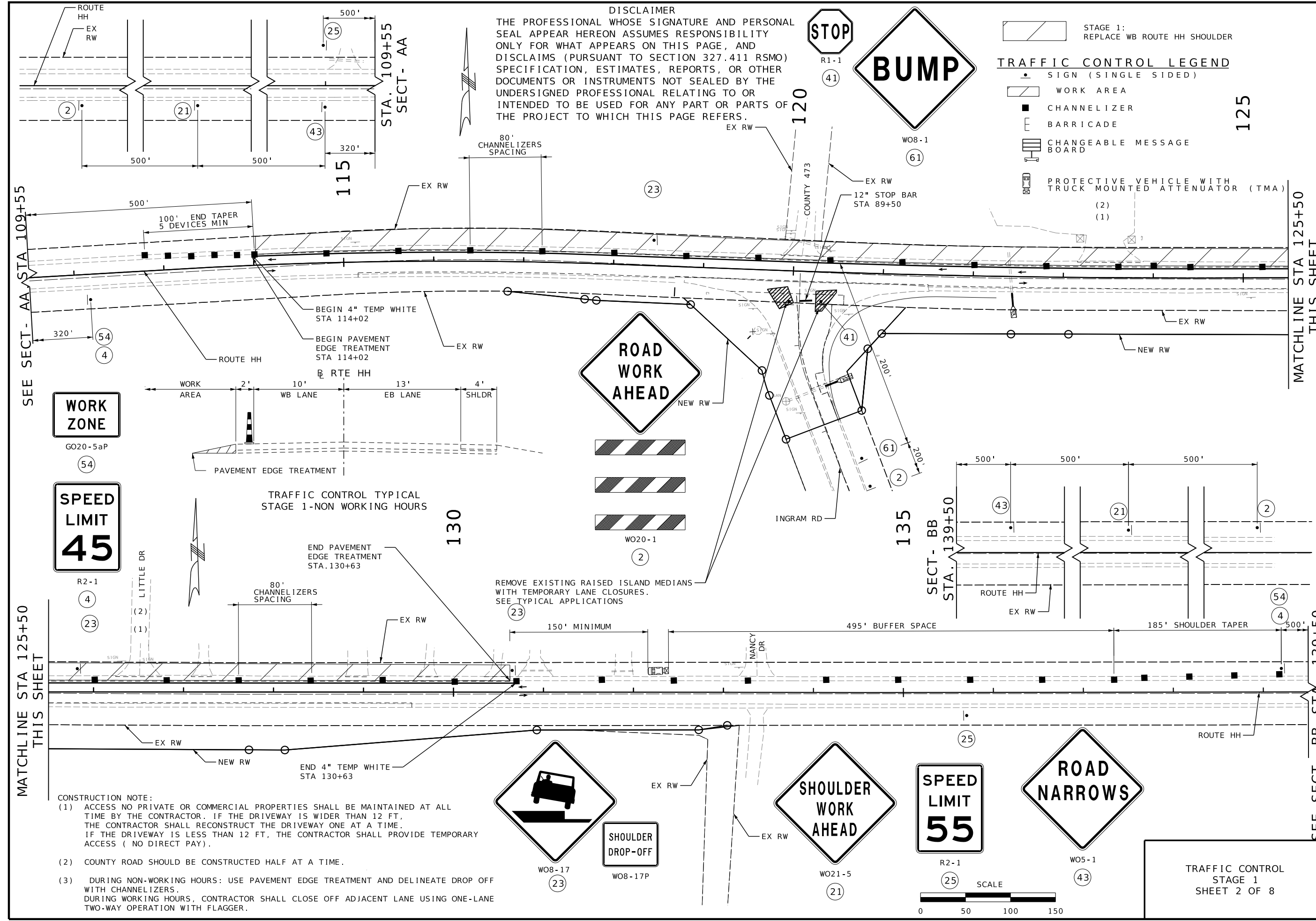
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design

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

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

Missouri Certificate of Authority: 001578



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

- TRAFFIC CONTROL LEGEND**
- SIGN (SINGLE SIDED)
 - WORK AREA
 - CHANNELIZER
 - BARRICADE
 - CHANGEABLE MESSAGE BOARD
 - PROTECTIVE VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)



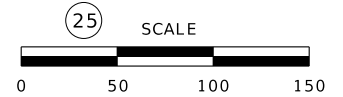
DATE PREPARED: 11/5/2024
 ROUTE: HH
 DISTRICT: SE
 COUNTY: SCOTT
 JOB NO.: J9S3744
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DATE	DESCRIPTION

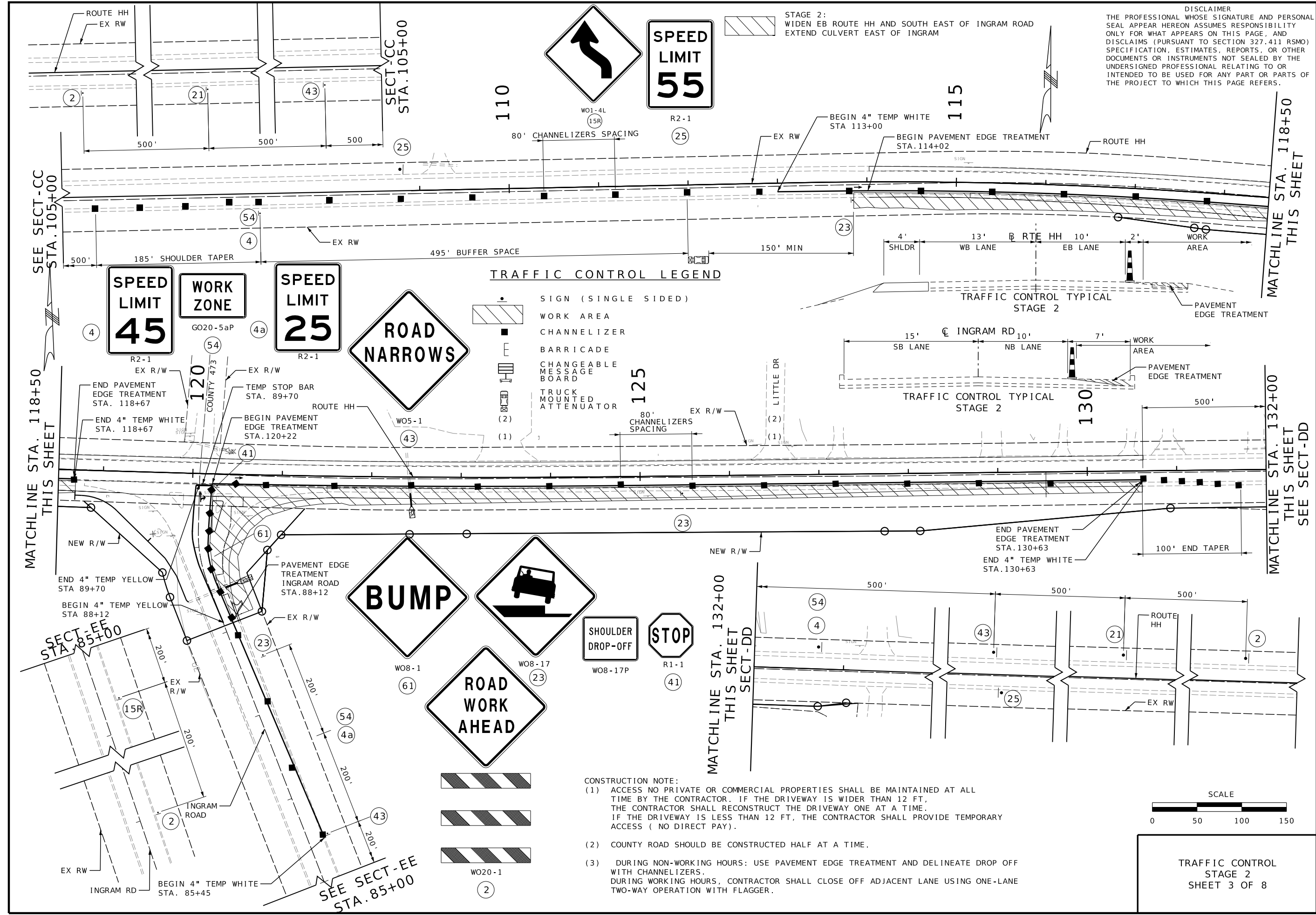
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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

- CONSTRUCTION NOTE:**
- (1) ACCESS NO PRIVATE OR COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIME BY THE CONTRACTOR. IF THE DRIVEWAY IS WIDER THAN 12 FT, THE CONTRACTOR SHALL RECONSTRUCT THE DRIVEWAY ONE AT A TIME. IF THE DRIVEWAY IS LESS THAN 12 FT, THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (NO DIRECT PAY).
 - (2) COUNTY ROAD SHOULD BE CONSTRUCTED HALF AT A TIME.
 - (3) DURING NON-WORKING HOURS: USE PAVEMENT EDGE TREATMENT AND DELINEATE DROP OFF WITH CHANNELIZERS. DURING WORKING HOURS, CONTRACTOR SHALL CLOSE OFF ADJACENT LANE USING ONE-LANE TWO-WAY OPERATION WITH FLAGGER.

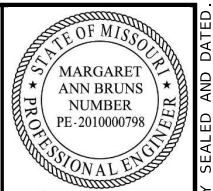


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



STAGE 2:
WIDEN EB ROUTE HH AND SOUTH EAST OF INGRAM ROAD
EXTEND CULVERT EAST OF INGRAM

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

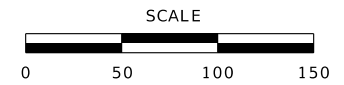


DATE PREPARED 11/5/2024	
ROUTE HH	STATE MO
DISTRICT SE	SHEET NO. 15
COUNTY SCOTT	
JOB NO. J9S3744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- TRUCK MOUNTED ATTENUATOR

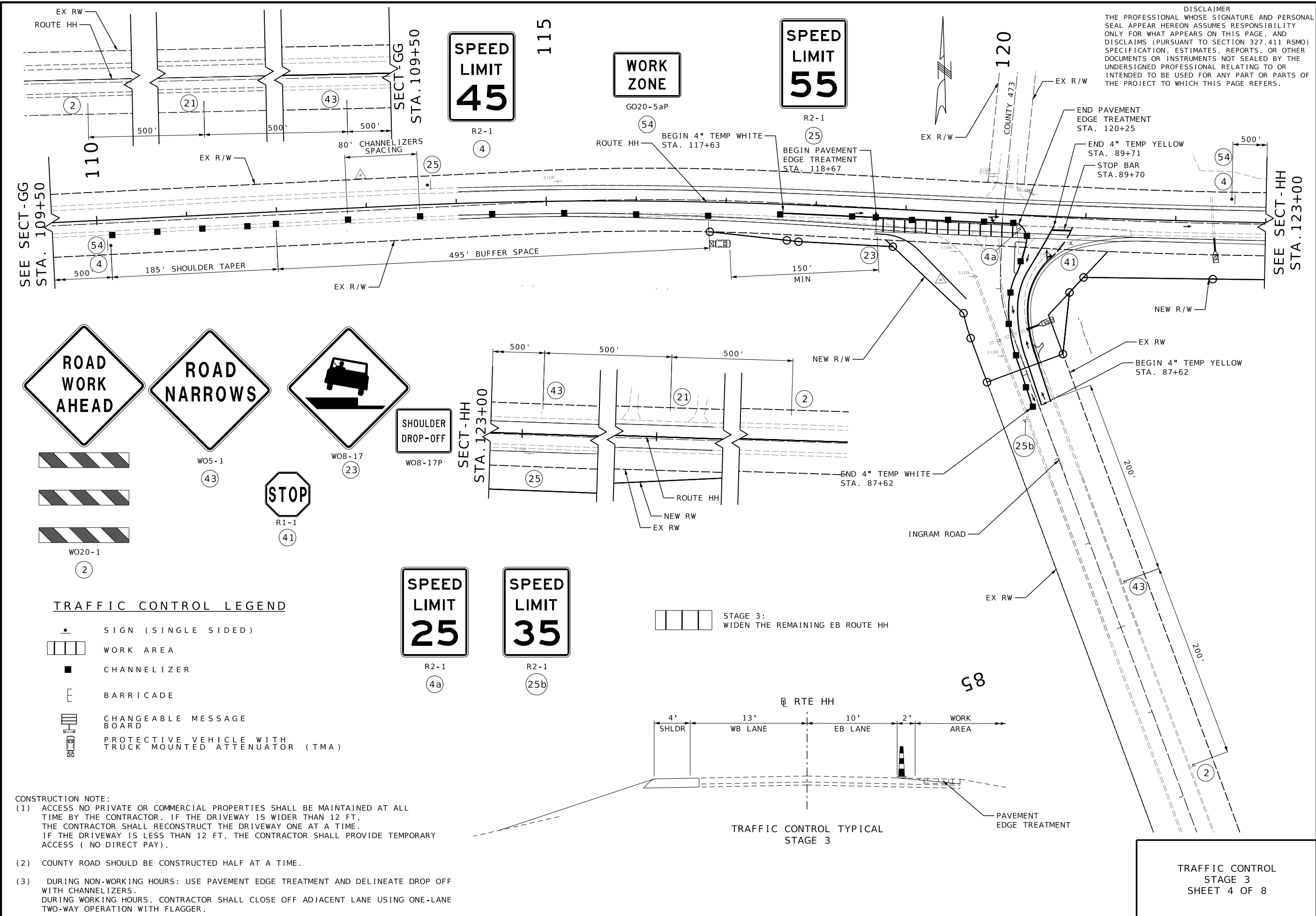
- CONSTRUCTION NOTE:**
- (1) ACCESS NO PRIVATE OR COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIME BY THE CONTRACTOR. IF THE DRIVEWAY IS WIDER THAN 12 FT, THE CONTRACTOR SHALL RECONSTRUCT THE DRIVEWAY ONE AT A TIME. IF THE DRIVEWAY IS LESS THAN 12 FT, THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (NO DIRECT PAY).
 - (2) COUNTY ROAD SHOULD BE CONSTRUCTED HALF AT A TIME.
 - (3) DURING NON-WORKING HOURS: USE PAVEMENT EDGE TREATMENT AND DELINEATE DROP OFF WITH CHANNELIZERS. DURING WORKING HOURS, CONTRACTOR SHALL CLOSE OFF ADJACENT LANE USING ONE-LANE TWO-WAY OPERATION WITH FLAGGER.



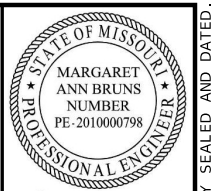
TRAFFIC CONTROL
STAGE 2
SHEET 3 OF 8

DATE	DESCRIPTION

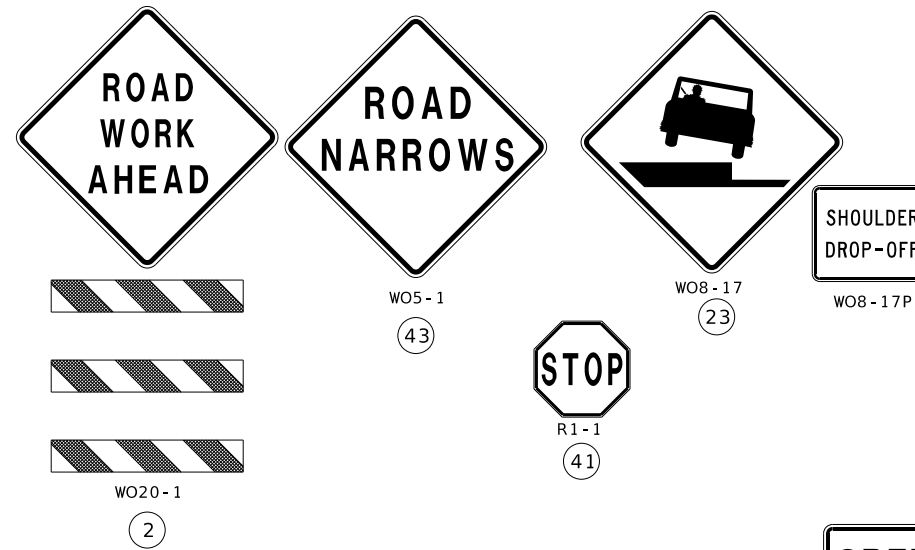
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



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



DATE PREPARED: 11/5/2024
 ROUTE: HH
 STATE: MO
 DISTRICT: SE
 SHEET NO.: 16
 COUNTY: SCOTT
 JOB NO.: J9S3744
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

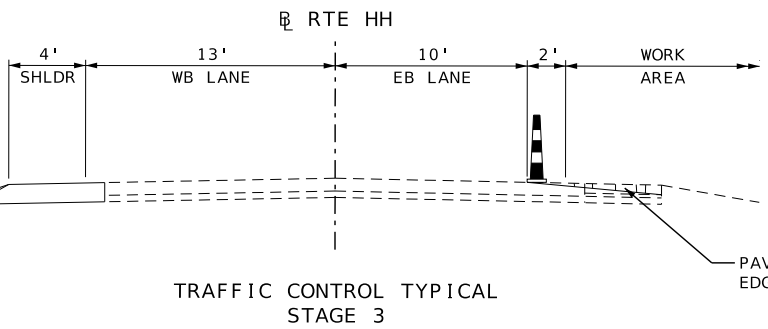


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▭ WORK AREA
- CHANNELIZER
- E BARRICADE
- ▨ CHANGEABLE MESSAGE BOARD
- 🚚 PROTECTIVE VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)

- CONSTRUCTION NOTE:**
- (1) ACCESS TO PRIVATE OR COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIME BY THE CONTRACTOR. IF THE DRIVEWAY IS WIDER THAN 12 FT, THE CONTRACTOR SHALL RECONSTRUCT THE DRIVEWAY ONE AT A TIME. IF THE DRIVEWAY IS LESS THAN 12 FT, THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (NO DIRECT PAY).
 - (2) COUNTY ROAD SHOULD BE CONSTRUCTED HALF AT A TIME.
 - (3) DURING NON-WORKING HOURS: USE PAVEMENT EDGE TREATMENT AND DELINEATE DROP OFF WITH CHANNELIZERS. DURING WORKING HOURS, CONTRACTOR SHALL CLOSE OFF ADJACENT LANE USING ONE-LANE TWO-WAY OPERATION WITH FLAGGER.

STAGE 3:
 WIDEN THE REMAINING EB ROUTE HH



TRAFFIC CONTROL
 STAGE 3
 SHEET 4 OF 8

DATE	DESCRIPTION

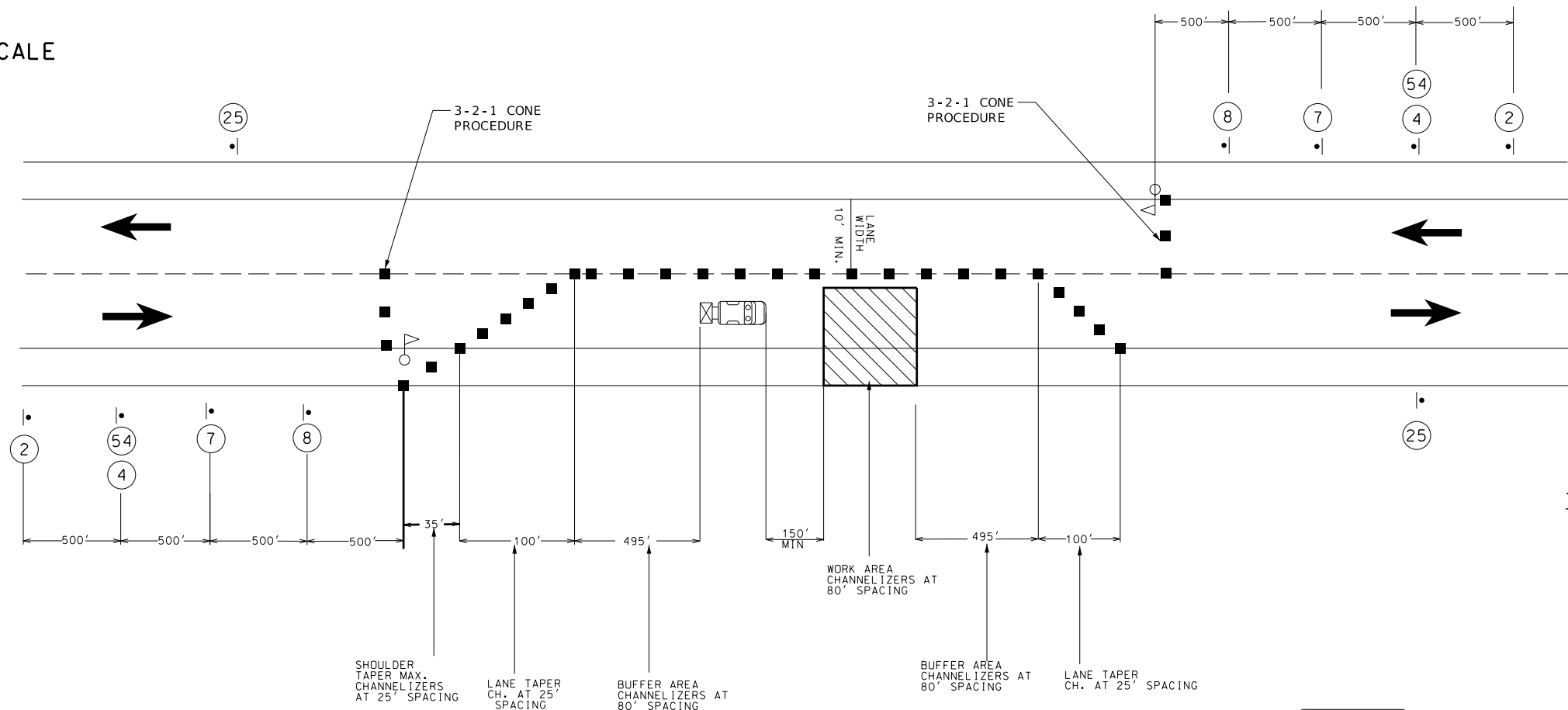
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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

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

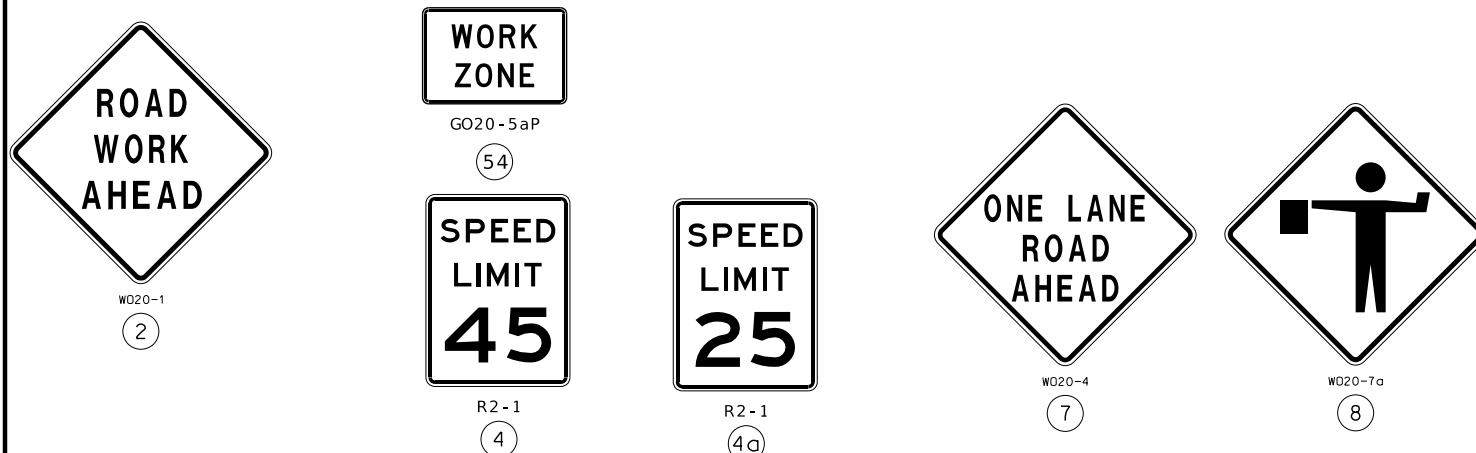
STATIONARY LANE CLOSURE USING FLAGGERS ON TWO-LANE ROAD

NOT TO SCALE



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▨ WORK AREA
- FLAGGER
- ▲ CONE
- CHANNELIZER
- ⌋ BARRICADE
- ☑ CHANGEABLE MESSAGE BOARD
- 🚗 PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL



NOTES:
 FLASHING ARROW PANEL SHALL BE OPERATED IN 'CAUTION' MODE. THE PROTECTIVE VEHICLE SHALL HAVE HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE.

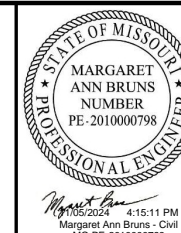
FLAGGERS MUST MAINTAIN A MINIMUM OF 100 FT FROM EQUIPMENT AND OR WORKERS.

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

THE CONTRACTOR SHALL BE RESPONSIBLE WITH PROVIDING AND ENSURING THE FLAGGERS HAVE CURRENT FLAGGER CERTIFICATION TRAINING AS SPECIFIED IN SEC 616.

THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO WORK ZONE TO FIT ACTUAL FIELD CONDITIONS.

TRAFFIC CONTROL
SHEET 6 OF 8



DATE PREPARED
11/5/2024

ROUTE STATE
HH MO

DISTRICT SHEET NO.
SE 18

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

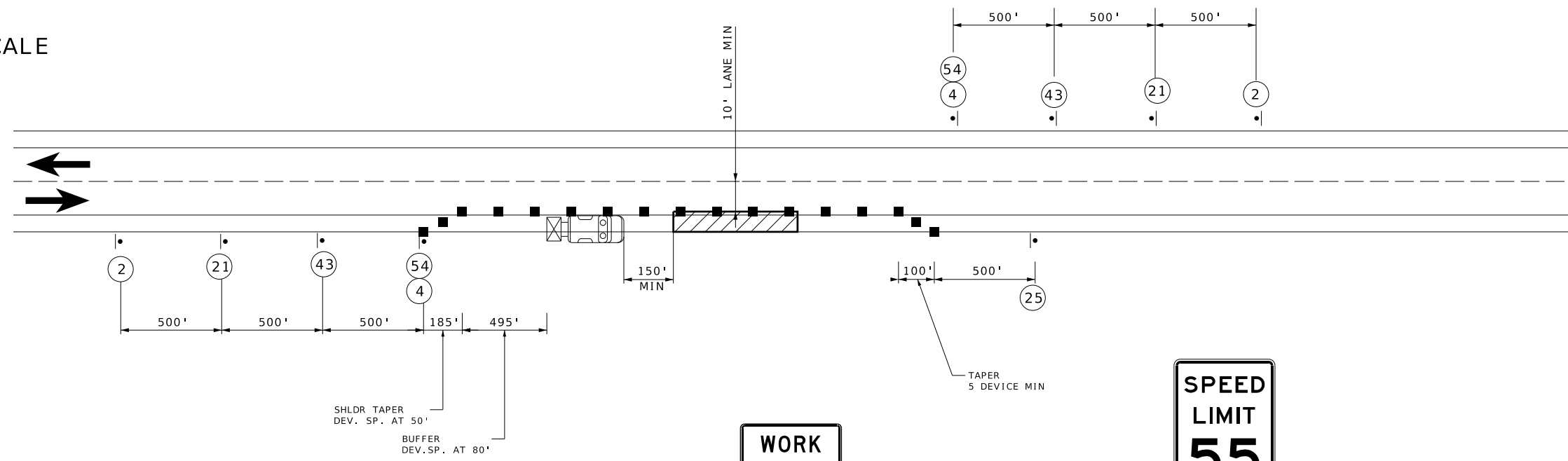
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

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

SHOULDER WORK WITH MINOR ENCROACHMENT

NOT TO SCALE



WO20-1
2



WO21-5
21



WO5-1
43



GO20-5aP
54



R2-1
4



R2-1
25

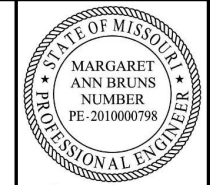
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- FLASHING ARROW PANEL
- CHANNELIZER (TRIMLINES)
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE BOARD
- PROTECTIVE VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)

NOTES:
THE CONTRACTOR SHALL HAVE A PROTECTIVE VEHICLE AND TMA PRESENT AT A MINIMUM, WHEN WORKERS ARE PRESENT, FLASHING ARROW PANEL SHALL BE OPERATED IN "CAUTION" MODE. THE PROTECTIVE VEHICLE SHALL HAVE HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE.

THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO WORK ZONE TO FIT ACTUAL FIELDS CONDITIONS.

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



DATE PREPARED
11/5/2024

ROUTE STATE
HH MO

DISTRICT SHEET NO.
SE 19

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

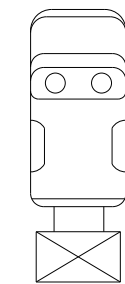
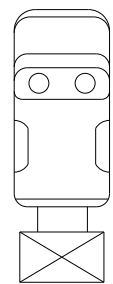
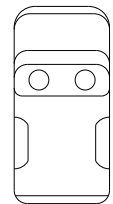
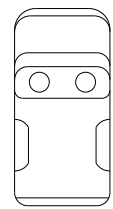
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

TRAFFIC CONTROL
SHEET 7 OF 8

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

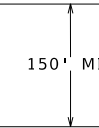
STRIPING OPERATION
ON A TWO-LANE HIGHWAY



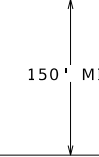
FRONT ADVANCED
WARNING TRUCK



STRIPER



PROTECTIVE VEHICLE
(REQUIRED)



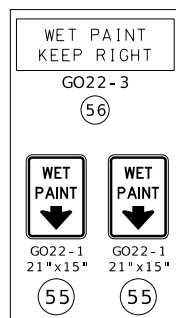
DRY POINT VEHICLE
(REQUIRED)



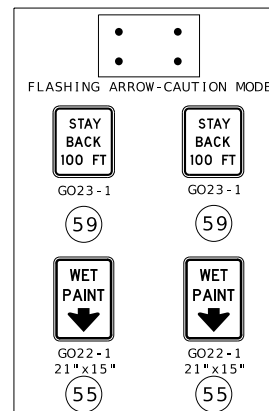
FRONT OF
THE TRUCK



BACK OF
THE TRUCK



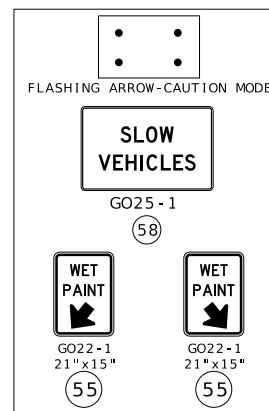
FRONT OF
THE TRUCK



BACK OF
THE TRUCK



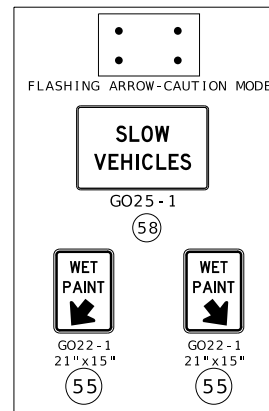
FRONT OF
THE TRUCK



BACK OF
THE TRUCK



FRONT OF
THE TRUCK



BACK OF
THE TRUCK

TRAFFIC CONTROL LEGEND

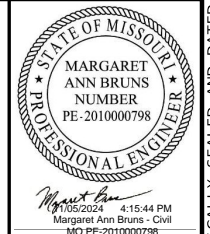
- PROTECTED VEHICLE WITH TRUCK MOUNTED ATTENUATOR (TMA)
- FLASHING ARROW PANEL

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

NOTES:
ALL VEHICLE SHALL HAVE HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE.
THE CONTRACTOR SHALL INSTALL ANY VEHICLE MOUNTED SIGNING AT AT THE RECOMMENDED HEIGHT OF 48 INCHES ABOVE THE ROAD.
THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO WORK ZONE TO FIT ACTUAL FIELD CONDITIONS.

NOT TO SCALE

TRAFFIC CONTROL
SHEET 8 OF 8



DATE PREPARED 11/5/2024	
ROUTE HH	STATE MO
DISTRICT SE	SHEET NO. 20
COUNTY SCOTT	
JOB NO. J9S3744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

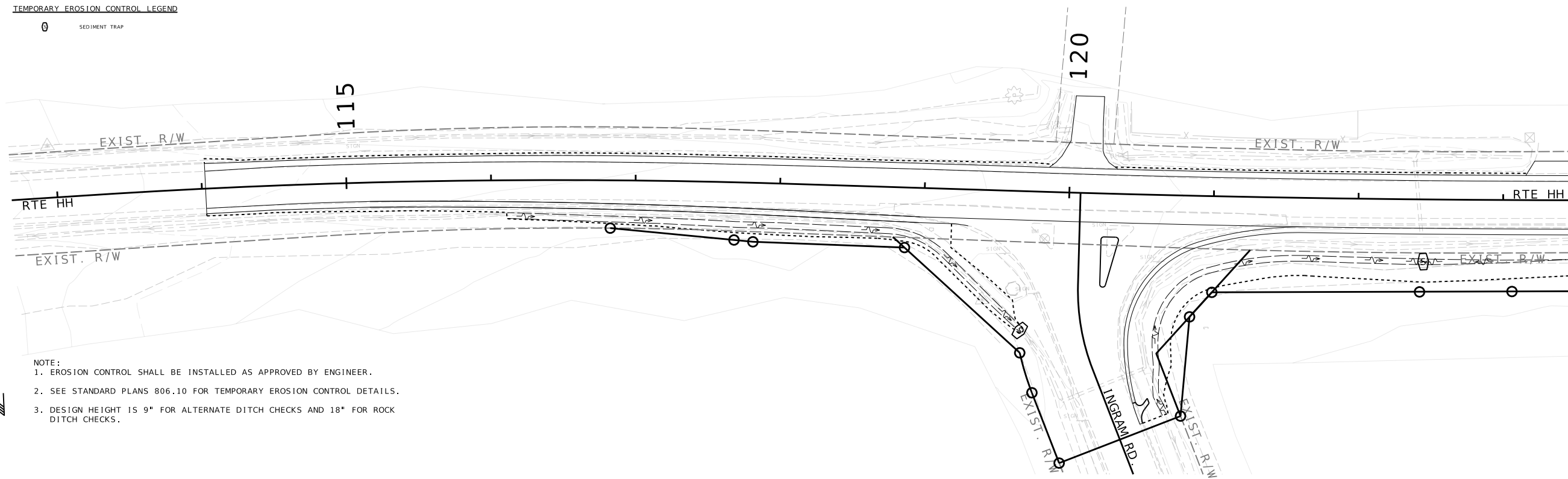
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

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

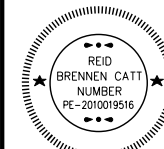
TEMPORARY EROSION CONTROL LEGEND

 SEDIMENT TRAP



- NOTE:
1. EROSION CONTROL SHALL BE INSTALLED AS APPROVED BY ENGINEER.
 2. SEE STANDARD PLANS 806.10 FOR TEMPORARY EROSION CONTROL DETAILS.
 3. DESIGN HEIGHT IS 9" FOR ALTERNATE DITCH CHECKS AND 18" FOR ROCK DITCH CHECKS.

MATCHLINE STA. 123+48.32



REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
10/30/2024

ROUTE STATE
HH MO

DISTRICT SHEET NO.
SE 21

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

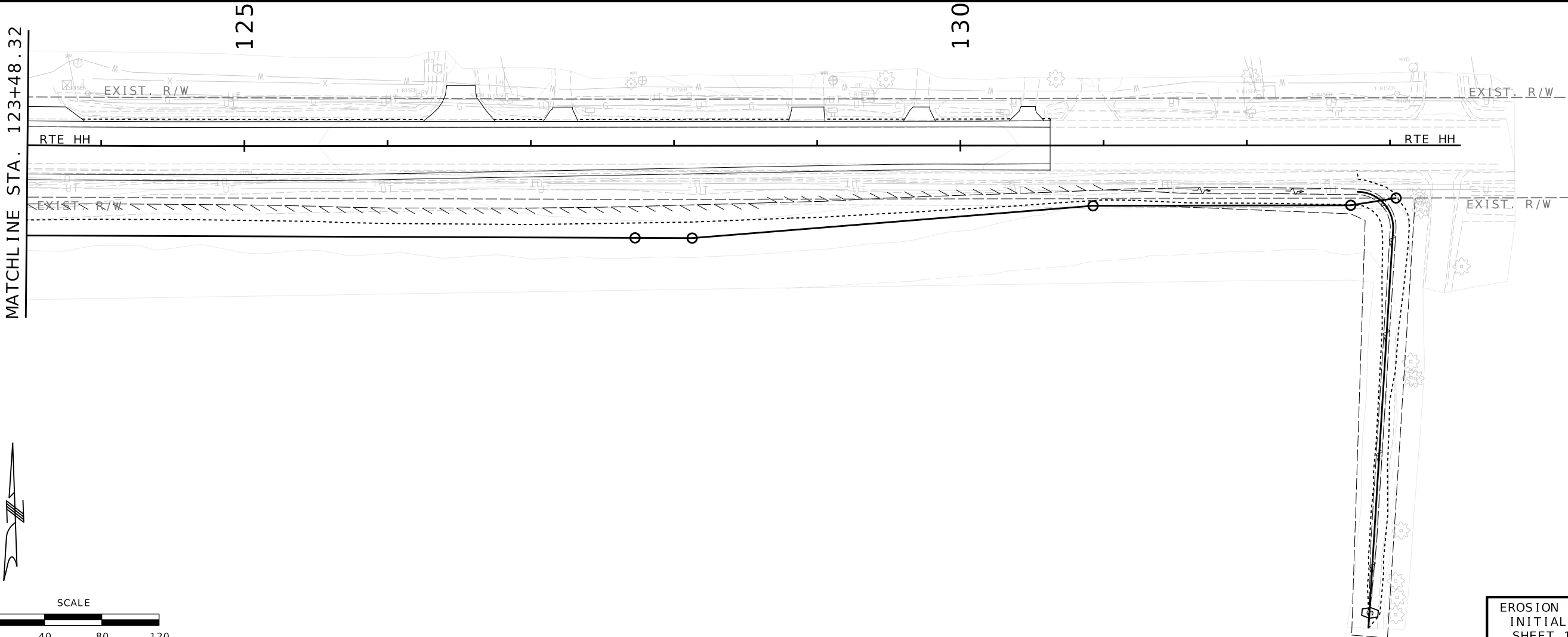


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

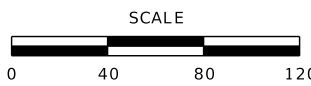
olsson

550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
PH. (417) 890-8802
CERTIFICATE OF
AUTHORITY NO. 001592

MATCHLINE STA. 123+48.32

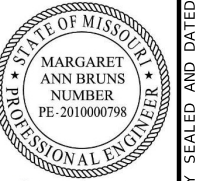


EROSION CONTROL
INITIAL PHASE
SHEET 1 OF 3



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

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



DATE PREPARED
 11/5/2024 4:16:07 PM
 Margaret Ann Bruns - Civil
 MO PE-201000798

ROUTE	STATE
HH	MO
DISTRICT	SHEET NO.
SE	24
COUNTY	
SCOTT	
JOB NO.	
J9S3744	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

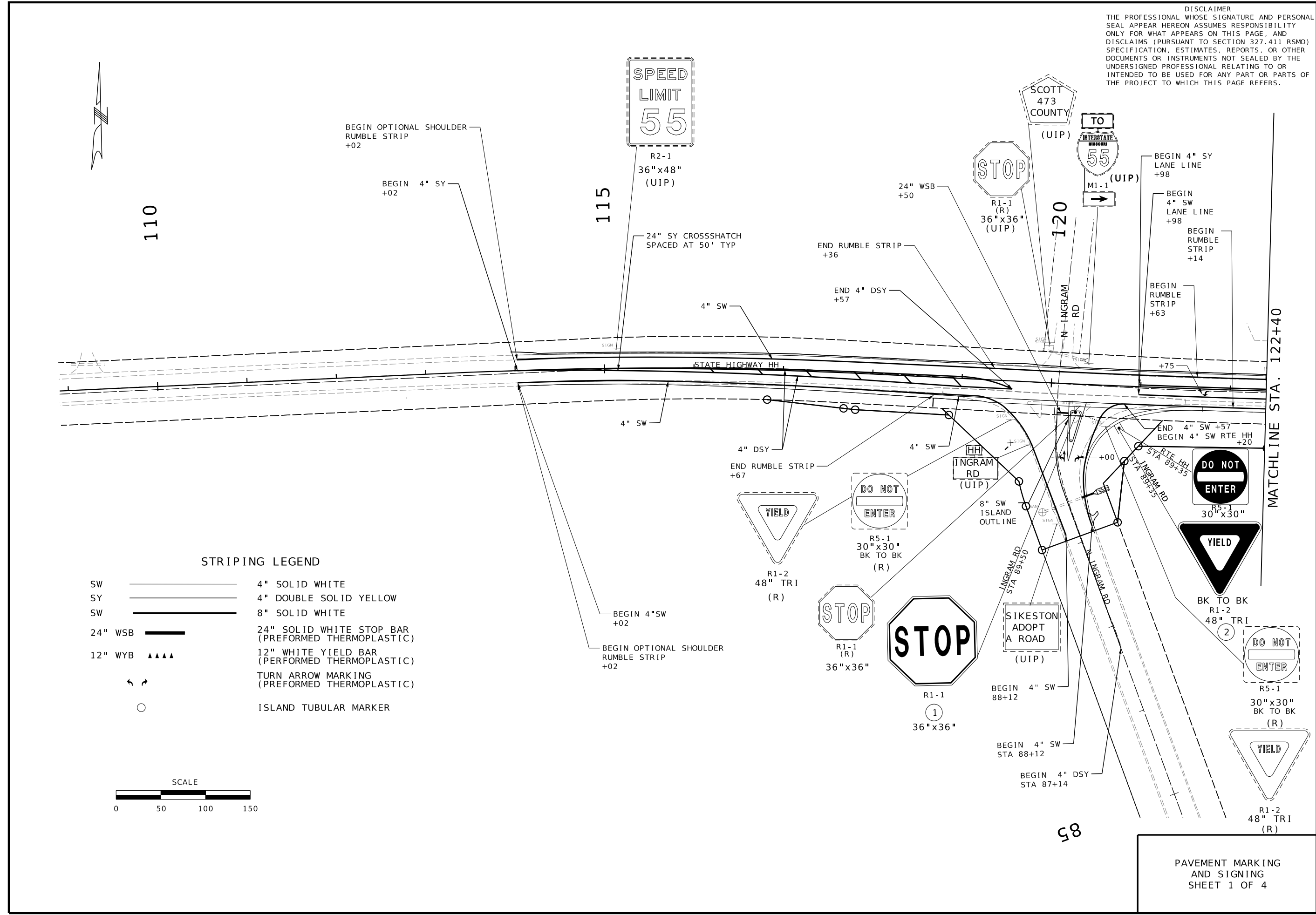
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

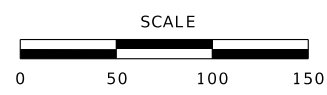
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

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









STRIPING LEGEND

- SW ————— 4" SOLID WHITE
- SY ————— 4" DOUBLE SOLID YELLOW
- SW ————— 8" SOLID WHITE
- 24" WSB ————— 24" SOLID WHITE STOP BAR (PERFORMED THERMOPLASTIC)
- 12" WYB ▲▲▲▲ 12" WHITE YIELD BAR (PERFORMED THERMOPLASTIC)
- ↔ TURN ARROW MARKING (PERFORMED THERMOPLASTIC)
- ISLAND TUBULAR MARKER

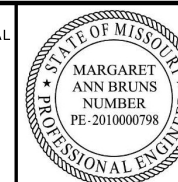


PAVEMENT MARKING AND SIGNING
 SHEET 1 OF 4

STRIPING LEGEND

- SW  4" SOLID WHITE
- SY  4" DOUBLE SOLID YELLOW
- SW  6" SOLID WHITE
- 24" WSB  24" SOLID WHITE STOP BAR (PERFORMED THERMOPLASTIC)
- 12" WYB  12" WHITE YIELD BAR
-  TURN ARROW MARKING (PERFORMED THERMOPLASTIC)

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



DATE PREPARED
 11/5/2024 4:16:21 PM
 Margaret Ann Bruns - Civil
 MO PE-2010000798

ROUTE STATE
 HH MO

DISTRICT SHEET NO.
 SE 25

COUNTY
 SCOTT

JOB NO.
 J9S3744

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

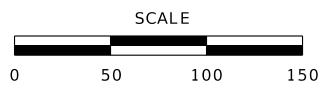
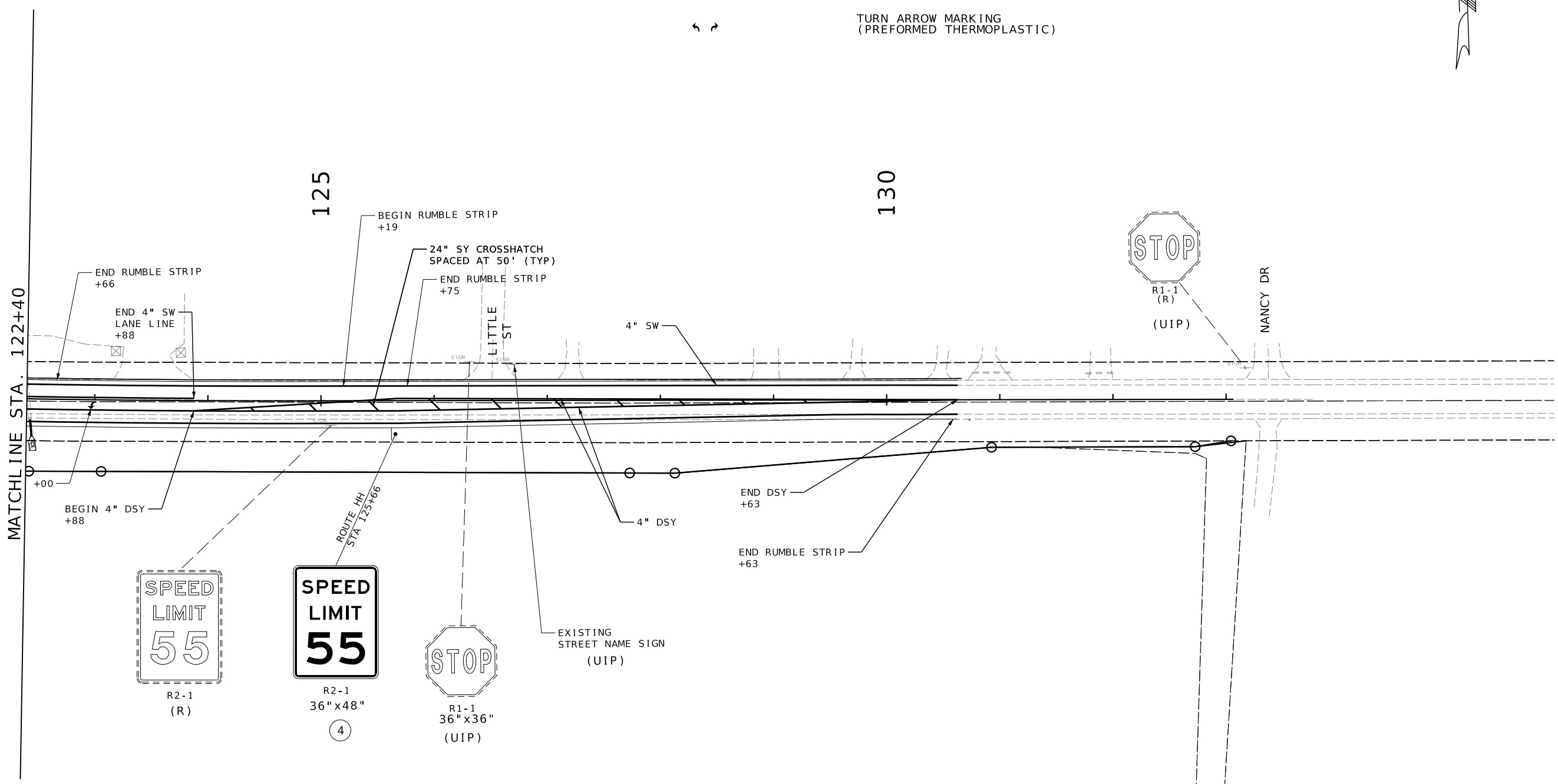
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

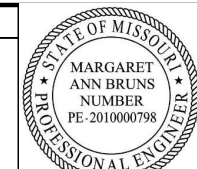
1-888-ASK-MODOT (1-888-275-6636)

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



PAVEMENT MARKING AND SIGNING
 SHEET 2 OF 4

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



Main project data table with columns for SIGNS, CONCRETE FOOTINGS, STRUCTURAL STEEL POSTS, PIPE POSTS, BACKING BARS, U-CHANNEL POST, and PERFORATED SQUARE STEEL TUBE. Includes sub-totals and totals at the bottom.

DATE PREPARED
11/5/2024
ROUTE HH STATE MO
DISTRICT SE SHEET NO. 26

COUNTY SCOTT
JOB NO. J9S3744
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION DATE table with multiple empty rows for project details.



EFK Moen Civil Engineering Design contact information: 13523 Barrett Parkway Dr, St. Louis, MO 63021. Phone: 314-394-3100, Fax: 314-394-3199.

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE...

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

PAVEMENT MARKING AND SIGNING SHEET 3 OF 4

D-29

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



REID BRENNEN CATT-ENGINEER
MO# PE-2010019516

DATE PREPARED
10/30/2024

ROUTE STATE
HH MO

DISTRICT SHEET NO.
SE 29

COUNTY
SCOTT

JOB NO.
J9S3744

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

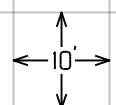
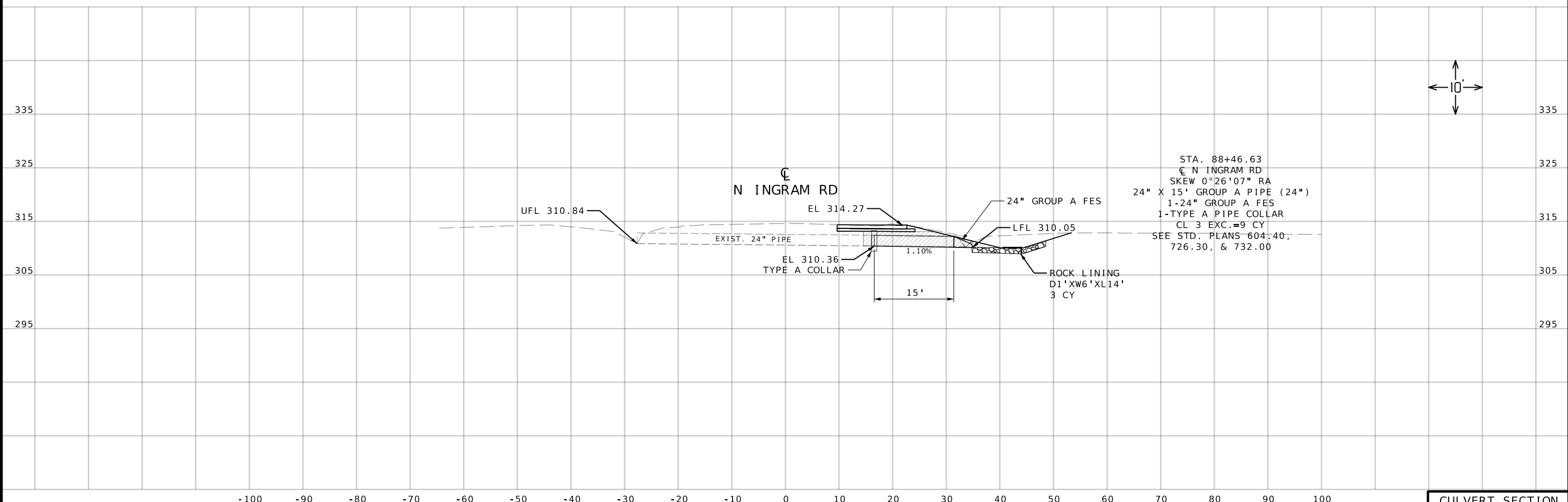
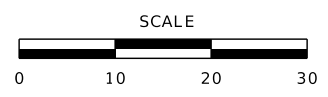
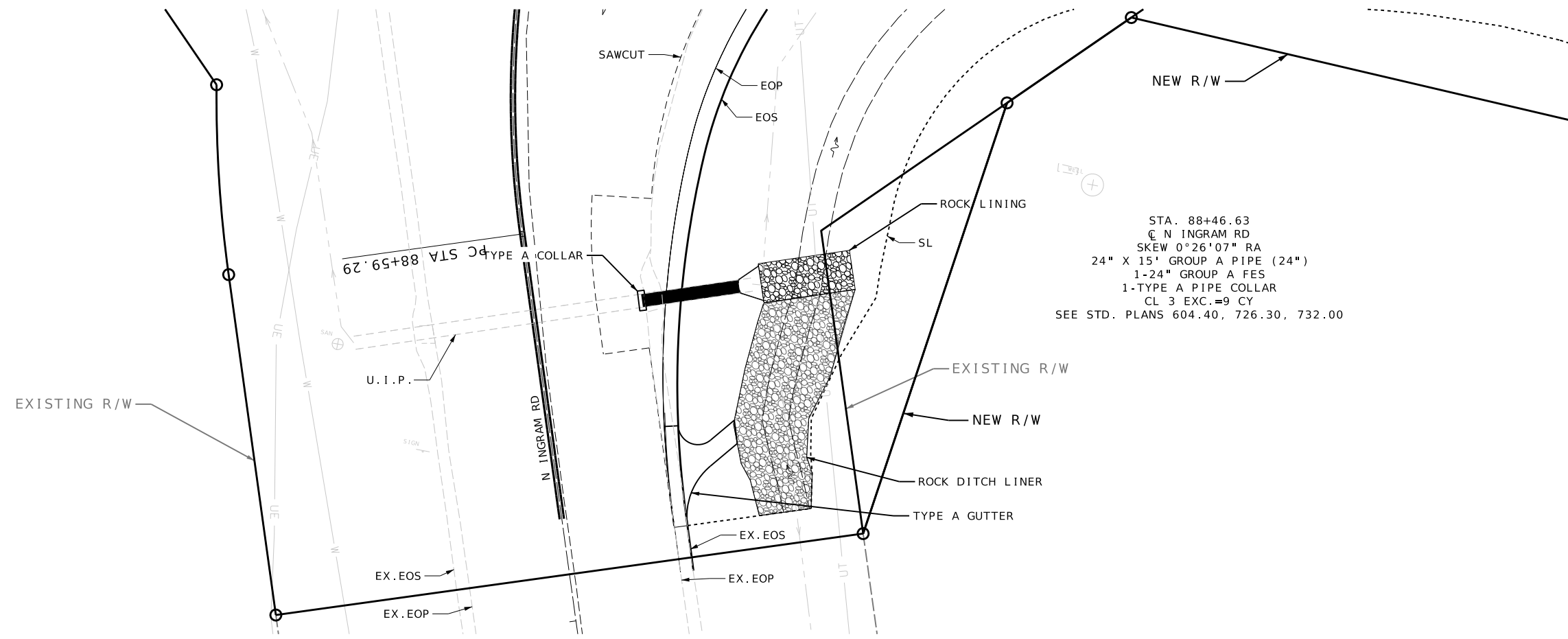
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Olsson
 550 ST. LOUIS STREET
 SPRINGFIELD, MO 65806
 PH. (417) 890-8802
 CERTIFICATE OF AUTHORITY NO. 001592

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



CULVERT SECTION
SHEET 2 OF 2