

DESIGN DESIGNATION

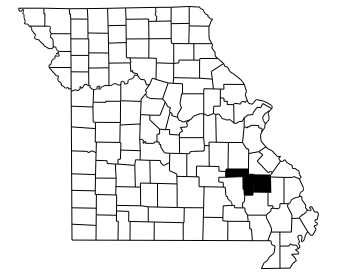
A.A.D.T. - 2022 = 2388
 A.A.D.T. - 2042 = 2640
 D.H.V. = 9%
 T = 6%
 V = 55 M.P.H.
 D = 50%

FUNCTIONAL CLASSIFICATION-MINOR ARTERIAL

NO NEW RIGHT OF WAY
 TO BE ACQUIRED
 FOR THIS PROJECT

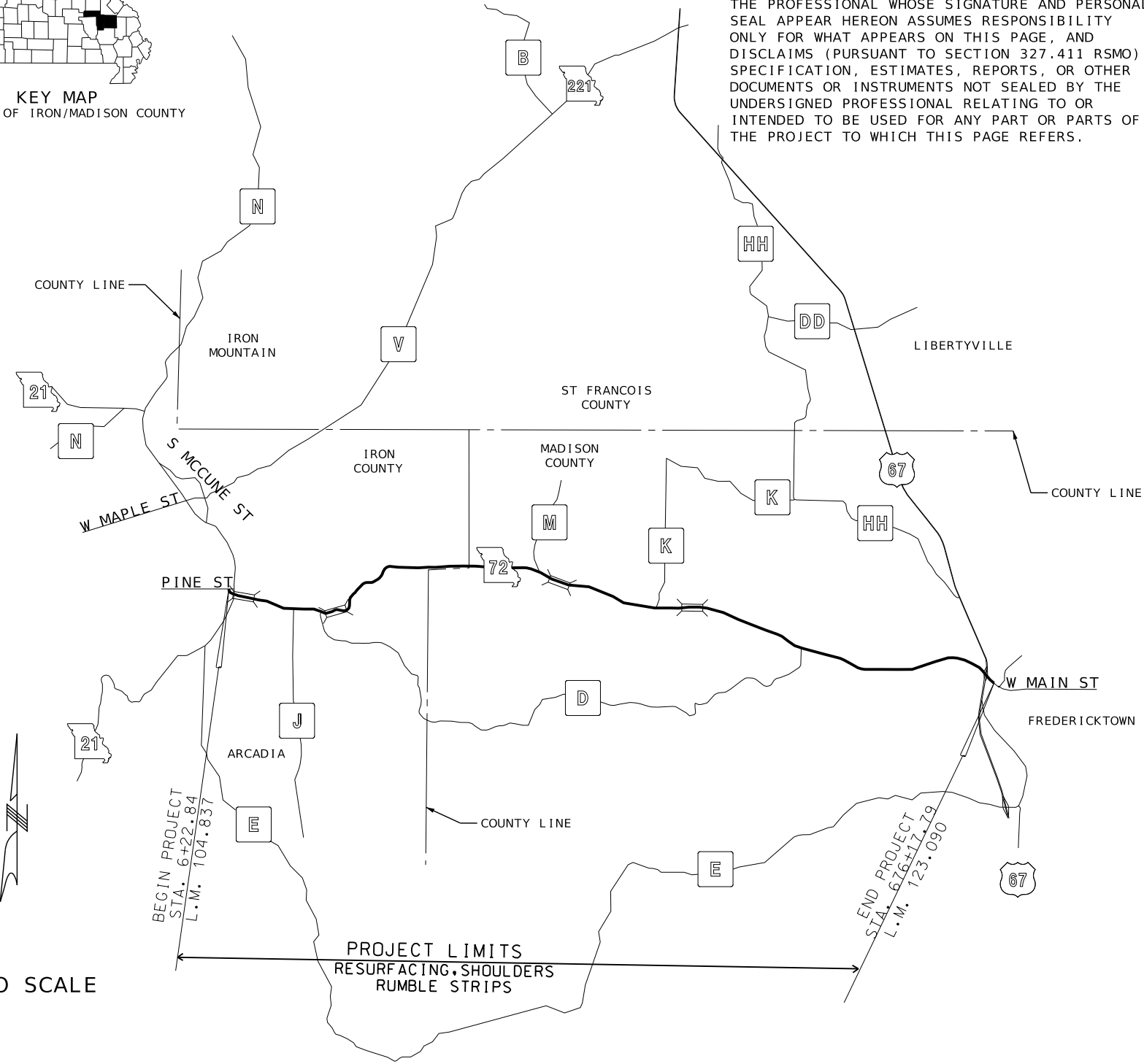
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

IRON/MADISON COUNTY



KEY MAP
 LOCATION OF IRON/MADISON COUNTY

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NOT TO SCALE

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.

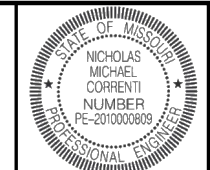
**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

	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	[Symbol]	[Symbol]
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (4 SHEETS)	2
QUANTITIES (QU) (5 SHEETS)	3
PLAN-PROFILE (PP)	4-22
SPECIAL SHEETS (SS) (1 SHEET)	
GRADING DETAIL	23
TRAFFIC CONTROL SHEETS (TC)	24-29
ERROSION CONTROL (EC)	30-31
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CULVERT SECTIONS (CS)	51-53



Nick M. Correnti
 10/22/2024 10:24:34 AM
 Nicholas Michael Correnti - Civil
 MO PE 201000809

DATE PREPARED	
10/21/2024	
ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	1
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT STA. 6+22.84
 END OF PROJECT STA 676+17.79

APPARENT LENGTH 66994.95 FEET

EQUATIONS:

STA. 11+39.68 BK = STA. 6+55.20 AH (+484.48')
STA. 15+51.90 BK = STA. 15+55.90 AH (-4.00')
STA. 17+58.02 BK = STA. 17+55.93 AH (+2.09')
STA. 34+58.78 BK = STA. 34+00.00 AH (+58.78')
STA. 34+66.10 BK = STA. 37+00.00 AH (-233.90')
STA. 83+93.20 BK = STA. 83+97.30 AH (-4.10')
STA. 125+90.67 BK = STA. 126+00.00 AH (-9.33')
STA. 156+45.91 BK = STA. 156+63.60 AH (-17.69')
STA. 188+61.56 BK = STA. 188+69.00 AH (-7.44')
STA. 200+07.70 BK = STA. 200+05.30 AH (+2.40')
STA. 215+99.90 BK = STA. 216+31.25 AH (-31.34')
STA. 236+34.58 BK = STA. 236+30.80 AH (+3.78')
STA. 238+61.28 BK = STA. 238+63.57 AH (-2.29')
STA. 282+91.45 BK = STA. 282+93.77 AH (-2.32')
STA. 305+84.64 BK = STA. 0+00.00 AH (+30584.64')
STA. 118+58.91 BK = STA. 119+36.22 AH (-77.31')
STA. 414+06.40 BK = STA. 414+05.00 AH (+1.40')
STA. 636+29.15 BK = STA. 651+27.00 AH (-1497.85')
STA. 662+93.30 BK = STA. 662+93.00 AH (+0.30')

EXCEPTIONS:

STA. 10+50 TO 13+22 (-272')
STA. 132+04 TO 134+43 (-239')
STA. 107+71 TO 110+84 (-313')
STA. 290+02 TO 291+29 (-127')
STA. 665+04 TO 668+54 (-350')

TOTAL CORRECTIONS 27949.20 FEET

NET LENGTH OF PROJECT 94944.15 FEET

STATE LENGTH 17.982 MILES

FOR INFORMATION ONLY
 ESTIMATED DISTURBED ACRES 35.8 ACRES

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



N.M.C.
 DATE PREPARED
 09/27/2024 4:28:30 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

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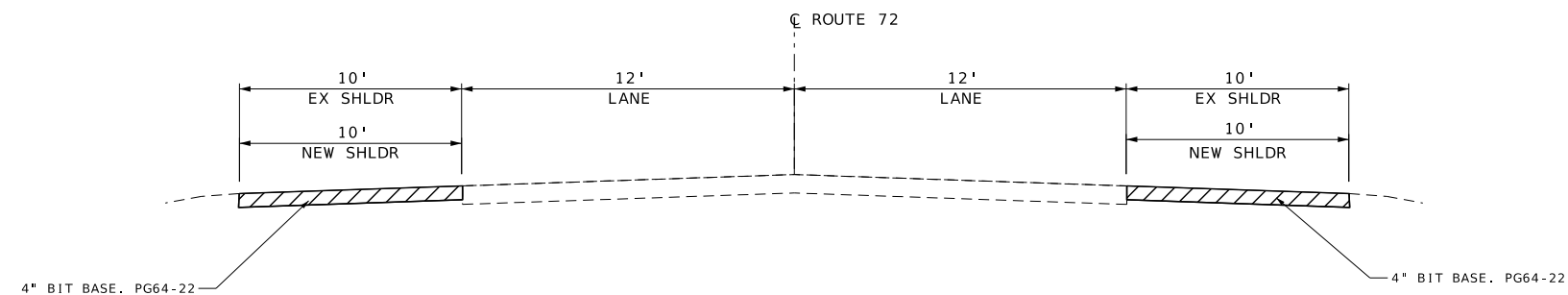
DATE PREPARED 9/27/2024	
ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

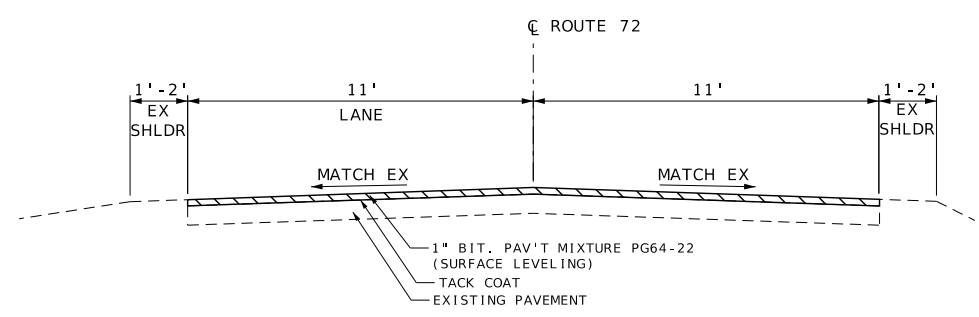
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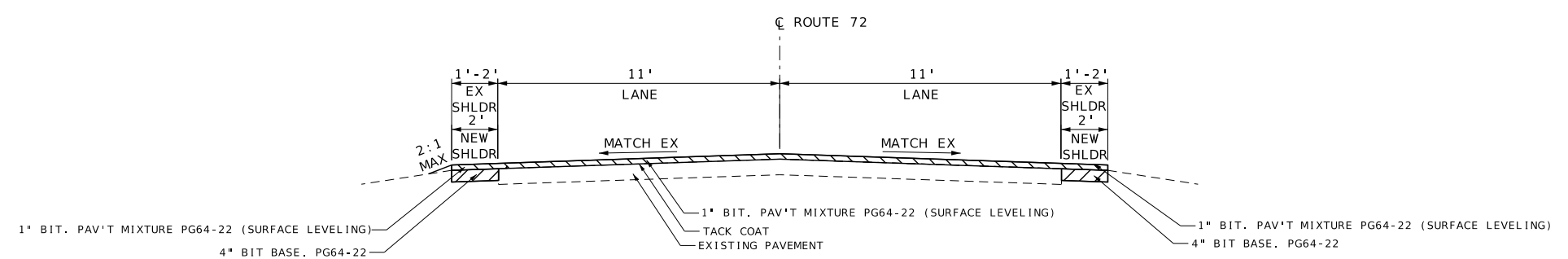
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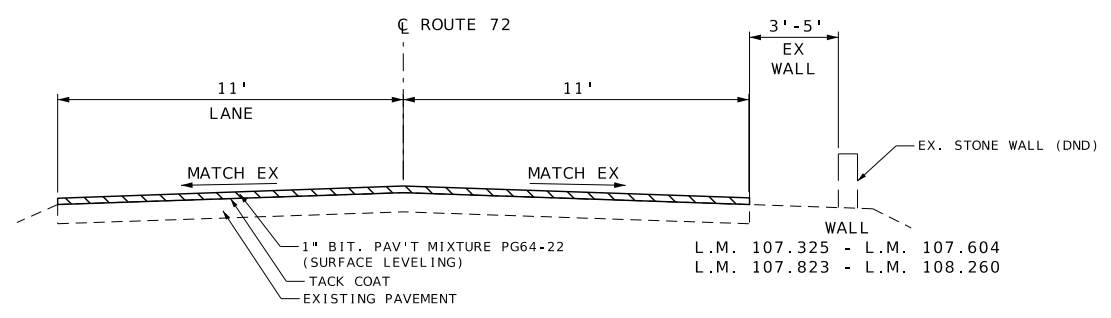
TYPICAL SECTION
 LOG MILE 104.837 TO LOG MILE 104.977



TYPICAL SECTION
 LOG MILE 104.977 TO LOG MILE 105.011



TYPICAL SECTION
 LOG MILE 105.064 TO LOG MILE 107.279
 LOG MILE 109.289 TO LOG MILE 110.566
 LOG MILE 112.173 TO LOG MILE 112.188
 LOG MILE 112.948 TO LOG MILE 113.117



TYPICAL SECTION
 LOG MILE 107.325 TO LOG MILE 109.289

LEGEND

- 4" BIT BASE, PG64-22
- 1" BIT. PAV'T MIXTURE (SURFACE LEVELING)
- 9" PCCP
- 12" ROCK BASE

BRIDGE EXCEPTIONS

LOG MILE 105.011 TO LOG MILE 105.064 BRIDGE J0197 OVER ROUTE 21
 LOG MILE 107.279 TO LOG MILE 107.325 BRIDGE A8531 OVER STOUTS CREEK

NOTES:

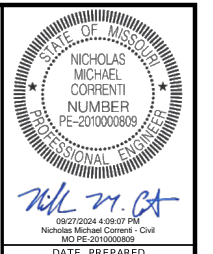
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- SHOULDER GRADING SLOPES SHALL BE 3:1 OR FLATTER. SELECT AREAS MAY BE STEEPEN UP TO 2:1 AS DIRECTED BY ENGINEER.

NOT TO SCALE

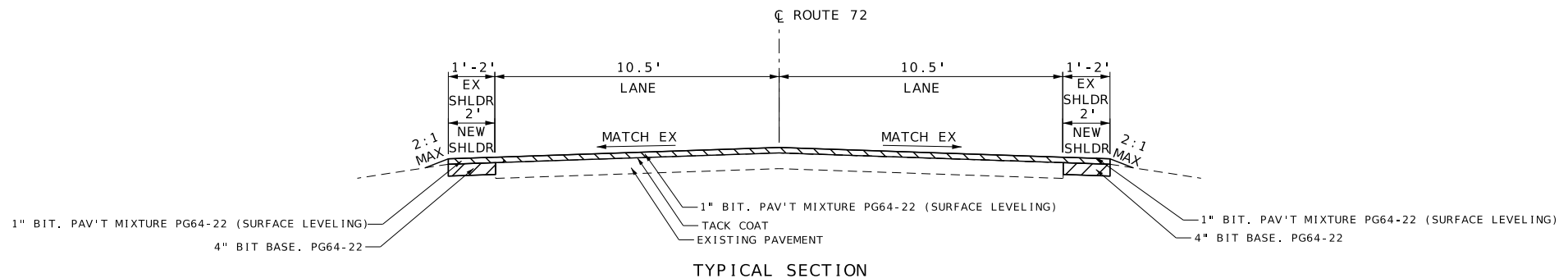
FOG SEAL	0.10 gal/sy
TACK	0.08 gal/sy (FOR OVERLAY)
	0.10 gal/sy (FOR MILLED SURFACES)
CONV FACTOR	2.034 t/cy SURFACE LEVEL
	2.067 t/cy BIT BASE

TYPICAL SECTIONS
 SHEET 1 OF 4

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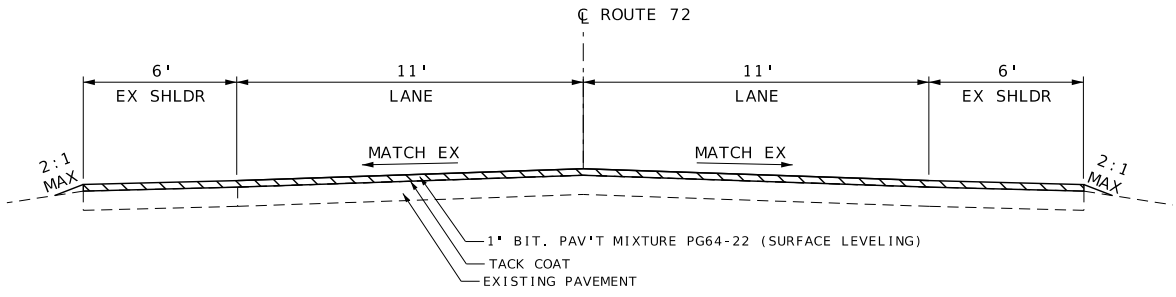


DATE PREPARED 9/27/2024	
ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



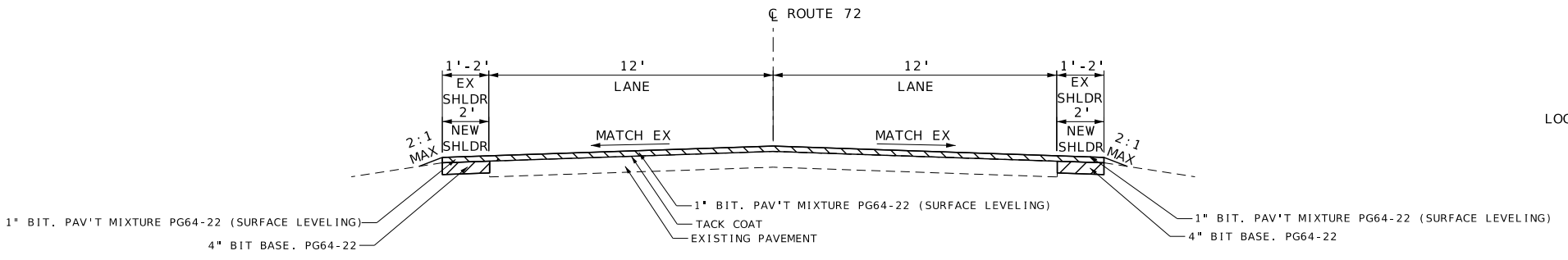
TYPICAL SECTION
 LOG MILE 110.566 TO LOG MILE 112.173
 LOG MILE 113.117 TO LOG MILE 116.051
 LOG MILE 116.076 TO LOG MILE 117.870

- LEGEND**
- 4" BIT BASE, PG64-22
 - 1" BIT. PAV'T MIXTURE (SURFACE LEVELING)
 - 9" PCCP
 - 12" ROCK BASE



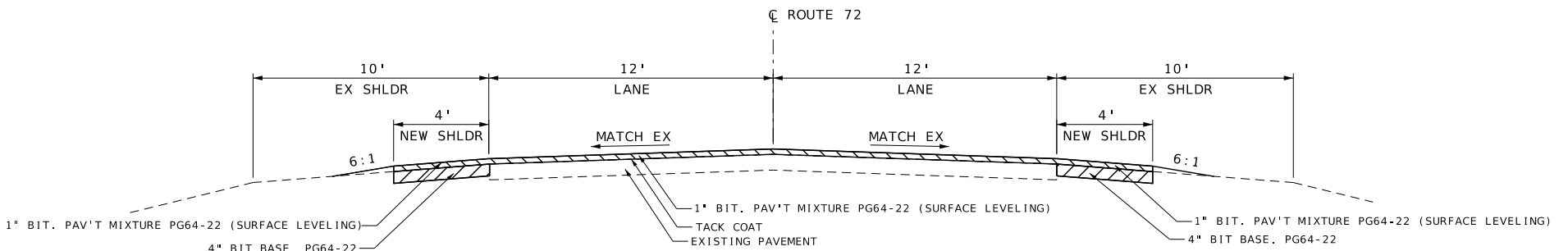
TYPICAL SECTION
 LOG MILE 112.188 TO LOG MILE 112.602
 LOG MILE 112.660 TO LOG MILE 112.948

BRIDGE EXCEPTIONS
 LOG MILE 112.602 TO LOG MILE 112.660 BRIDGE A4512 OVER ST. FRANCIS RIVER
 LOG MILE 116.051 TO LOG MILE 116.076 BRIDGE G0328 OVER TURKEY CREEK



TYPICAL SECTION
 LOG MILE 117.870 TO LOG MILE 118.574

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TYPICAL SECTION
 LOG MILE 118.574 TO LOG MILE 119.655
 LOG MILE 121.452 TO LOG MILE 121.501
 LOG MILE 122.398 TO LOG MILE 122.644
 LOG MILE 122.739 TO LOG MILE 122.758

FOG SEAL 0.10 gal/sy
 TACK 0.08 gal/sy (FOR OVERLAY)
 0.10 gal/sy (FOR MILLED SURFACES)
 CONV FACTOR 2.034 t/cy SURFACE LEVEL
 2.067 t/cy BIT BASE

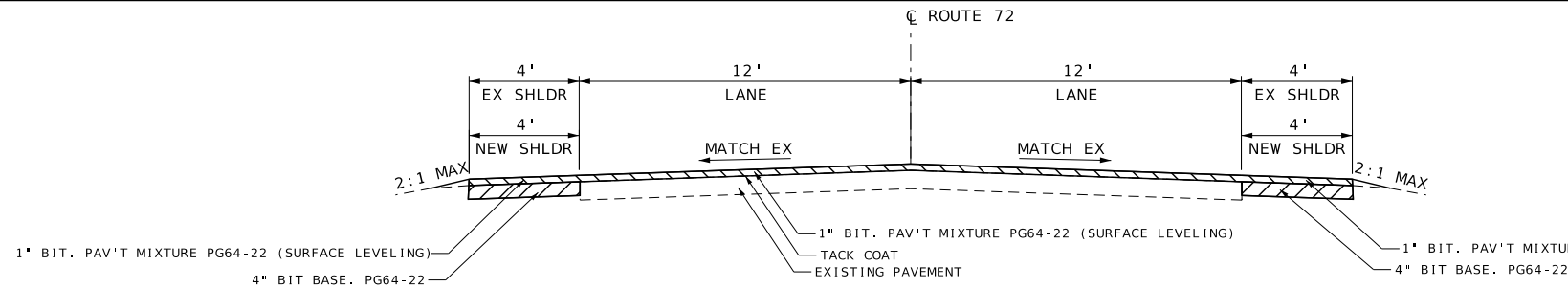
NOT TO SCALE
 TYPICAL SECTIONS
 SHEET 2 OF 4

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

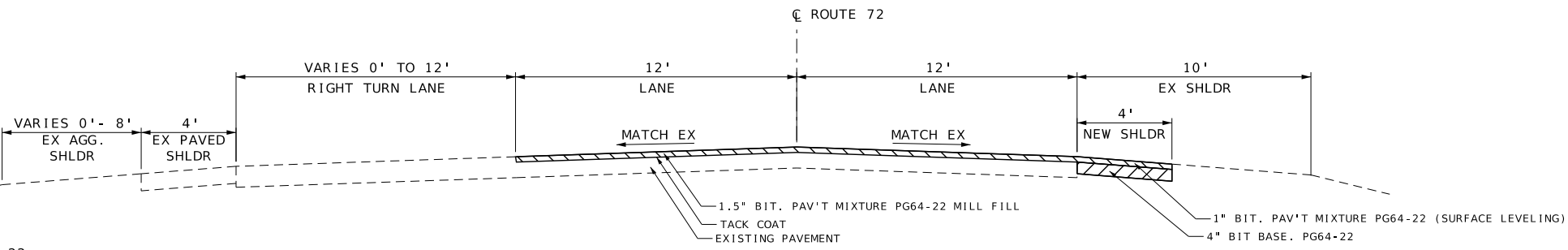
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TYPICAL SECTION

LOG MILE 119.655 TO LOG MILE 121.452
LOG MILE 121.501 TO LOG MILE 122.398

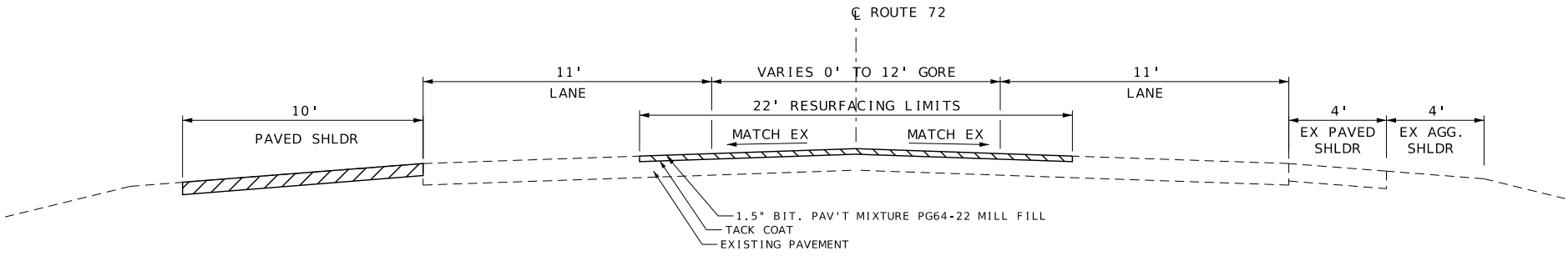


TYPICAL SECTION

LOG MILE 122.644 TO LOG MILE 122.739

BRIDGE EXCEPTIONS

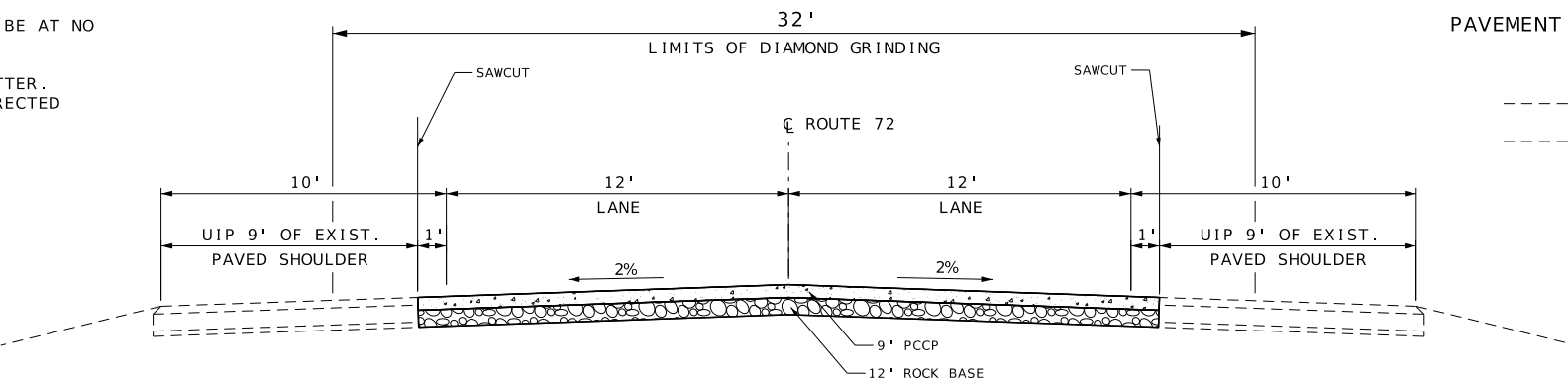
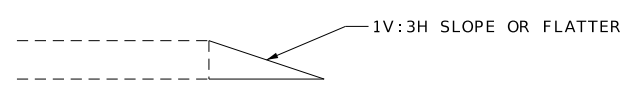
LOG MILE 122.857 TO LOG MILE 122.924 BRIDGE B0504 OVER US 67



TYPICAL SECTION

LOG MILE 122.758 TO LOG MILE 122.805

PAVEMENT EDGE TREATMENT



TYPICAL SECTION

LOG MILE 122.805 TO LOG MILE 122.857
LOG MILE 122.924 TO LOG MILE 123.090

LEGEND

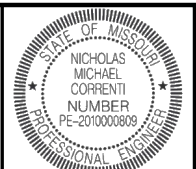
- 4" BIT BASE, PG64-22
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- 9" PCCP
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TACK	0.08 gal/sy (FOR OVERLAY)
	0.10 gal/sy (FOR MILLED SURFACES)
CONV FACTOR	2.034 t/cy SURFACE LEVEL
	2.067 t/cy BIT BASE

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N.M. Correnti
DATE PREPARED
9/27/2024

ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

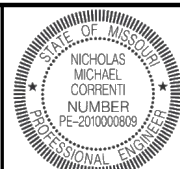
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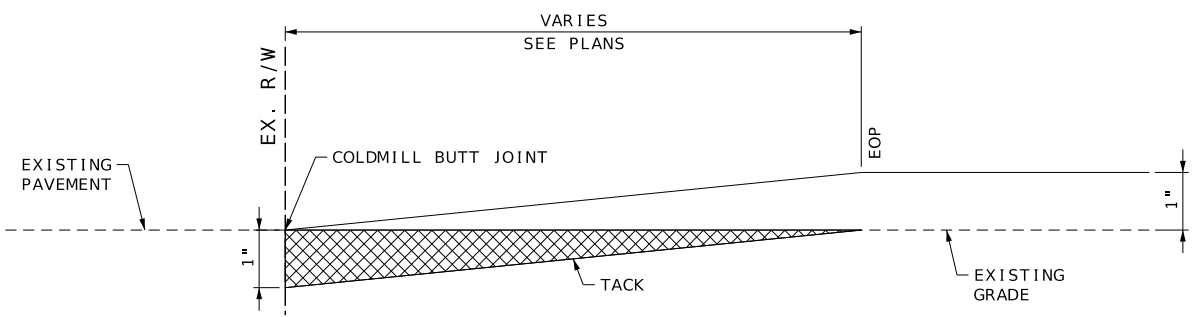
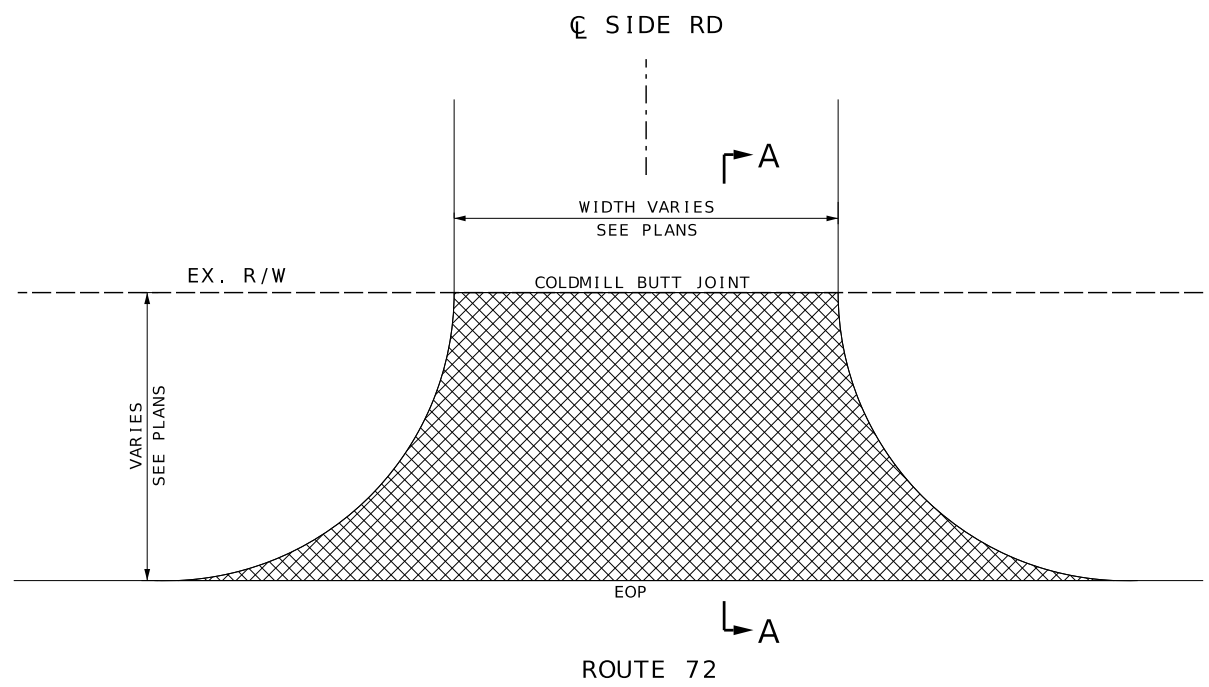
TYPICAL SHEET
SHEET 3 OF 4

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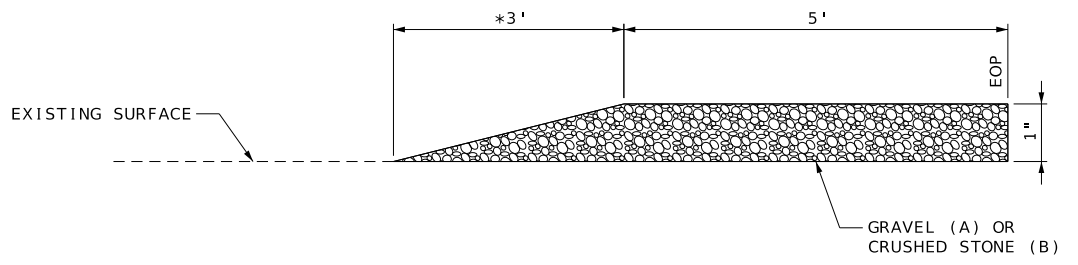


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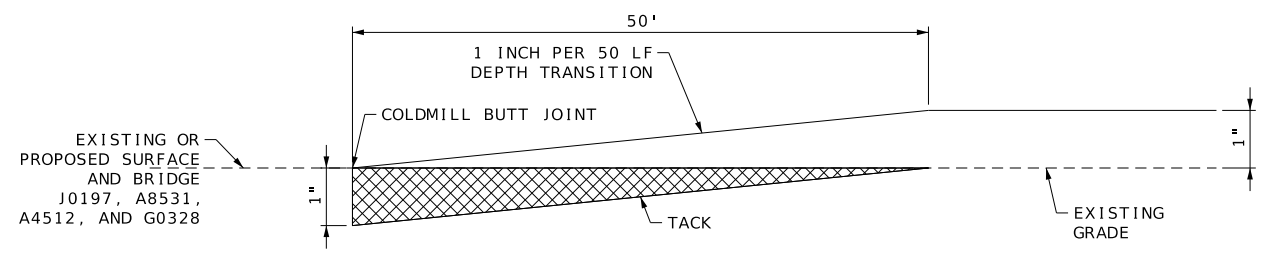
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SE	2
COUNTY	
IRON/MADISON	
JOB NO.	
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CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



SECTION A-A
 TYPICAL SIDE ROAD AND PAVED ENTRANCE
 (MOD. COLDMILL DEPTH TRANS.)



TYPICAL UNPAVED ENTRANCE
 (FIELD, PRIVATE OR COUNTY ROAD)
 *TAPER AT 1:1 FOR FIELD ENTRANCE



TYPICAL MAINLINE TRANSITION
 (MOD. COLDMILL DEPTH TRANS.)



NOT TO SCALE

TYPICAL SHEET
 SHEET 4 OF 4

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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REMOVAL OF IMPROVEMENTS								
PLAN SHEET NO.	STATION	STATION	LOCATION	LF	E. A.	S. Y.	DESCRIPTION	
3	118+26	119+93	RT	160.0			GUARDRAIL	
3	118+26	119+33	RT		1		TYPE A C.E.T.	
3	118+58	121+40	LT	212.5			GUARDRAIL	
3	118+58	121+40	LT		2		TYPE A C.E.T.	
3	128+90	131+66	LT		1		TYPE A C.E.T.	
3	134+28	134+67	LT		1		TYPE C C.E.T.	
3	134+77	136+30	RT		1		TYPE A C.E.T.	
8	105+21	107+71	RT	250.0			GUARDRAIL	
8	105+21	107+71	RT		1		BRIDGE APPROACH TRANSITION	
8	106+46	107+71	LT	125.0			GUARDRAIL	
8	106+41	107+71	LT		1		BRIDGE APPROACH TRANSITION	
8	110+84	112+10	RT	125.0			GUARDRAIL	
8	110+84	112+10	RT		1		BRIDGE APPROACH TRANSITION	
8	110+84	112+50	LT	125.0			GUARDRAIL	
8	110+84	112+50	LT		1		BRIDGE APPROACH TRANSITION	
12	287+42	295+00	LT&RT		12		TYPE III OBJECT MARKERS	
19	664+71	665+46	RT	75.0			GUARDRAIL	
19	664+71	665+46	RT		1		BRIDGE APPROACH TRANSITION	
19	664+71	665+46	RT		1		TYPE A C.E.T.	
19	664+10	665+15	LT	112.5			GUARDRAIL	
19	664+10	665+15	LT		1		BRIDGE APPROACH TRANSITION	
19	664+10	665+15	LT		1		TYPE A C.E.T.	
19	668+45	669+33	RT	62.5			GUARDRAIL	
19	668+45	669+33	RT		1		BRIDGE APPROACH TRANSITION	
19	668+45	669+33	RT		1		TYPE A C.E.T.	
19	668+13	669+17	LT	187.5			GUARDRAIL	
19	668+13	669+17	LT		1		BRIDGE APPROACH TRANSITION	
19	668+13	669+17	LT		1		END ANCHORS	
19	668+91	677+84	LT	925.0			GUARDRAIL	
19	668+91	677+84	LT		1		END ANCHORS	
19	668+91	677+84	LT		1		TYPE A C.E.T.	
19	662+18	676+18	LT&RT			4570	CONCRETE PAVEMENT	
PAY TOTAL					1	LUMP SUM		

COLDMILLING PAVEMENT						
PLAN SHEET NO	STA	STA	DIRECTION	COLMILLING	MODIFIED	REMARKS
				BIT. PAVEMENT 3 IN. OR LESS S. Y.	COLDMILLING (DEPTH TRANSITIONS) S. Y.	
1	6+23.00	60+00	LT & RT	463.7	1465.5	INCLUDES ENTRANCES
2	60+00	112+50	LT & RT		1065.3	INCLUDES ENTRANCES
3	112+50	165+00	LT & RT		670.3	INCLUDES ENTRANCES
4	165+00	217+00	LT & RT		845.9	INCLUDES ENTRANCES
5	217+00	269+00	LT & RT		394.1	INCLUDES ENTRANCES
6	269+00	16+00	LT & RT		34.9	INCLUDES ENTRANCES
7	16+00	67+50	LT & RT		252.6	INCLUDES ENTRANCES
8	67+50	120+00	LT & RT		1146.2	INCLUDES ENTRANCES
9	120+00	177+00	LT & RT		124.9	INCLUDES ENTRANCES
10	177+00	224+00	LT & RT		143.5	INCLUDES ENTRANCES
11	224+00	276+00	LT & RT		371.3	INCLUDES ENTRANCES
12	276+00	328+00	LT & RT		218.5	INCLUDES ENTRANCES
14	380+00	432+00	LT & RT		223.4	INCLUDES ENTRANCES
15	432+00	484+00	LT & RT		741.9	INCLUDES ENTRANCES
17	536+00	588+00	LT & RT		560.9	INCLUDES ENTRANCES
18	588+00	656+00	LT & RT	692.1	1650.3	INCLUDES ENTRANCES
19	656+00	676+18	LT & RT	1659.0	754.6	INCLUDES ENTRANCES
SUBTOTAL THIS SHEET				2814.8	10664.1	
PAY TOTAL				2815	10664	

CONCRETE PAVEMENT										
PLAN SHEET NO	STA	STA	DIRECTION	PVMT	9- IN	FURNISHING	PLACING	DIAMOND	SUBGRADE	REMARKS
				AREA S.F.	NON-REINF. CONCRETE PAVEMENT 15' JOINTS S. Y.	ROCK BASE MATERIAL (12 IN.) S. Y.	ROCK BASE (12 IN.) S. Y.	GRINDING CONCRETE PAVEMENT S. Y.	COMPACTION 6- INCH DEPTH 100FT	
19	662+18	664+71	LT & RT	13698	1522.0	1522.0	1522.0	1746.9	2.5	
19	668+54	676+18	LT & RT	27434	3048.2	3048.2	3048.2	3727.3	7.6	
SUBTOTAL THIS SHEET					4722.2	4722.2	4722.2	5626.2	10.8	
PAY TOTAL					4722.2	4722	4722	5626	11	LOCATIONS AS DIRECTED BY THE ENGINEER

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Nick M. Correnti
DATE PREPARED
9/27/2024

ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	3
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

SURFACE LEVELING							
PLAN SHEET NO	STA	STA	DIRECTION	PVMT AREA S. F.	BIT. PVMT.	TACK	REMARKS
					MIXTURE PG 64-22 SURFACE LEVELING TON	COAT (LOW-TRACKING) GAL	
1	6+23.00	60+00	LT & RT	117091	894.6	1040.8	
2	60+00	112+50	LT & RT	123919	905.7	1101.5	
3	112+50	165+00	LT & RT	113561	759.5	1009.4	
4	165+00	217+00	LT & RT	120873	758.8	1074.4	
5	217+00	269+00	LT & RT	117158	812.5	1041.4	
6	269+00	16+00	LT & RT	114303	848.9	1016.0	
7	16+00	67+50	LT & RT	112086	836.8	996.3	
8	67+50	120+00	LT & RT	155123	1017.4	1378.9	
9	120+00	177+00	LT & RT	119756	866.8	1064.5	
10	177+00	224+00	LT & RT	111751	831.1	993.3	
11	224+00	276+00	LT & RT	113827	843.5	1011.8	
12	276+00	328+00	LT & RT	105463	789.0	937.4	
13	328+00	380+00	LT & RT	109047	815.2	969.3	
14	380+00	432+00	LT & RT	126730	971.7	1126.5	
15	432+00	484+00	LT & RT	130794	1072.7	1162.6	
16	484+00	536+00	LT & RT	124625	1040.7	1107.8	
17	536+00	588+00	LT & RT	129134	1064.2	1147.9	
18	588+00	656+00	LT & RT	139527	1122.1	1240.2	1.5" DEPTH STARTING AT STA. 653+43
19	656+00	676+18	LT & RT	21723	214.2	193.1	1.5" DEPTH
	6+23	676+18	LT & RT		1348.7		IRREGULARITIES
SUBTOTAL THIS SHEET					17814.1	19613.1	
PAY TOTAL					17814.1	19613	

SUMMARY OF QUANTITIES
SHEET 1 OF 5

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
DATE
DESCRIPTION
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

SHOULDER AND GRADING

PLAN SHEET NO	STA	STA	DIRECTION	PVMT AREA S.F.	4-IN BIT. BASE. PG 64-22	SHOULDER GRADING	REMARKS
					TON	100 FT	
1	6+23.00	60+00	LT	11659	292.8	47.1	
1	6+23.00	60+00	RT	13749	345.3	47.3	
2	60+00	112+50	LT	10401	261.2	52.0	
2	60+00	112+50	RT	9955	250.0	49.8	
3	112+50	165+00	LT	3746	94.1	18.7	
3	112+50	165+00	RT	3668	92.1	18.4	
5	217+00	269+00	LT	6072	152.5	30.9	
5	217+00	269+00	RT	6194	155.5	31.5	
6	269+00	16+00	LT	10358	260.1	51.8	
6	269+00	16+00	RT	10563	265.2	52.8	
7	16+00	67+50	LT	11099	278.7	51.4	
7	16+00	67+50	RT	10108	253.8	50.5	
8	67+50	120+00	LT	3317	83.3	16.6	
8	67+50	120+00	RT	3621	90.9	18.1	
9	120+00	177+00	LT	9052	227.3	45.3	
9	120+00	177+00	RT	9266	232.7	46.3	
10	177+00	224+00	LT	10395	261.0	52.0	
10	177+00	224+00	RT	10246	257.3	51.2	
11	224+00	276+00	LT	10121	254.1	50.6	
11	224+00	276+00	RT	10407	261.3	52.0	
12	276+00	328+00	LT	10083	253.2	50.4	
12	276+00	328+00	RT	10133	254.5	50.7	
13	328+00	380+00	LT	10398	261.1	52.0	
13	328+00	380+00	RT	10403	261.2	52.0	
14	380+00	432+00	LT	13790	346.3	51.7	
14	380+00	432+00	RT	14264	358.2	50.8	
15	432+00	484+00	LT	19755	496.1	49.4	
15	432+00	484+00	RT	20329	510.5	50.8	
16	484+00	536+00	LT	20772	521.6	51.9	
16	484+00	536+00	RT	20383	511.8	51.0	
17	536+00	588+00	LT	20069	504.0	50.2	
17	536+00	588+00	RT	20322	510.3	50.7	
18	588+00	656+00	LT	18767	471.3	47.0	
18	588+00	656+00	RT	20447	513.4	51.1	
19	656+00	676+18	LT	3554	89.2	0.8	
19	656+00	676+18	RT	722	18.1	1.8	
SUBTOTAL THIS SHEET					10250.0	1546.6	
PAY TOTAL					10250.0	1547	

GRAVEL (A) OR CRUSHED STONE (B)

PLAN SHEET NO	STA	STA	DIRECTION	GRAVEL (A) OR CRUSHED STONE (B)	REMARKS
				TON	
1	6+23.00	60+00	LT & RT	56.2	
2	60+00	112+50	LT & RT	39.3	
3	112+50	165+00	LT & RT	17.1	
4	165+00	217+00	LT & RT	19.3	
5	217+00	269+00	LT & RT	41.6	
6	269+00	16+00	LT & RT	34.6	
7	16+00	67+50	LT & RT	76.1	
8	67+50	120+00	LT & RT	55.3	
9	120+00	177+00	LT & RT	25.5	
10	177+00	224+00	LT & RT	10.2	
11	224+00	276+00	LT & RT	23.1	
12	276+00	328+00	LT & RT	15.1	
13	328+00	380+00	LT & RT	40.1	
14	380+00	432+00	LT & RT	49.7	
15	432+00	484+00	LT & RT	10.5	
16	484+00	536+00	LT & RT	27.8	
17	536+00	588+00	LT & RT	2.1	
18	588+00	656+00	LT & RT	38.2	
SUBTOTAL THIS SHEET				581.8	
PAY TOTAL				582	

BITUMINOUS SHOULDER RUMBLE STRIPS

SHEET NO	STATION	STATION	LOCATION	RUMBLE STRIPS	REMARKS
				STA	
1	0+00	60+00	RT	13.3	RIGHT SHOULDER
1	0+00	60+00	LT	17.1	LEFT SHOULDER
2	60+00	112+50	RT	25.0	RIGHT SHOULDER
2	60+00	112+50	LT	27.1	LEFT SHOULDER
5	217+00	269+00	RT	22.8	RIGHT SHOULDER
5	217+00	269+00	LT	18.0	LEFT SHOULDER
6	269+00	16+00	RT	24.7	RIGHT SHOULDER
6	269+00	16+00	LT	26.7	LEFT SHOULDER
9	120+00	172+00	RT	10.0	RIGHT SHOULDER
9	120+00	172+00	LT	4.6	LEFT SHOULDER
14	380+00	432+00	RT	34.5	RIGHT SHOULDER
14	380+00	432+00	LT	39.1	LEFT SHOULDER
15	432+00	484+00	RT	44.1	RIGHT SHOULDER
15	432+00	484+00	LT	44.1	LEFT SHOULDER
16	484+00	536+00	RT	43.9	RIGHT SHOULDER
16	484+00	536+00	LT	44.1	LEFT SHOULDER
17	536+00	588+00	RT	46.1	RIGHT SHOULDER
17	536+00	588+00	LT	47.8	LEFT SHOULDER
18	588+00	656+00	RT	38.1	RIGHT SHOULDER
18	588+00	656+00	LT	37.2	LEFT SHOULDER
SUBTOTAL THIS SHEET				608.3	
PAY TOTAL				608.3	

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DATE PREPARED
9/27/2024

ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 3

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MOBILIZATION	1 LUMP SUM
ADDITIONAL MOBILIZATION FOR SEEDING	9 EACH
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
SEEDING - COOL SEASON GRASSES	35.8 ACRES
TEMPORARY SEEDING	4 ACRES
MULCHING	39.8 ACRES
TEMPORARY TRAFFIC CONTROL	1 LUMP SUM

PLAN SHEET NO	STA	STA	DIRECTION	PERMANENT AGGR. EDGE TREATMENT	REMARKS
				TON	
3-5	134+43	238+53	LT	2938.14	
3-5	134+43	238+53	RT	2938.14	
SUBTOTAL THIS SHEET				5876.28	
PAY TOTAL				5876.3	

SUMMARY OF QUANTITIES
SHEET 2 OF 5

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

GUARDRAIL & BARRIER

PLAN SHEET NO.	STA	STA	LOC	MGS GUARDRAIL STD.	MGS BRIDGE APPROACH TRANSITION SECTION	REMOVE EXISTING BRIDGE ANCHOR HARDWARE & RECONF FOR MASH CONN.	TYPE A CRASHWORTHY END TERMINAL (MASH)	TYPE C CRASHWORTHY END TERMINAL (MASH)	MOD. SHAPING SLOPES CLASS III	TYPE A GUARDRAIL	TYPE A CRASHWORTHY END TERMINAL	MGS END ANCHORS	MGS LONG SPAN GUARDRAIL SECTION	REMARKS
				L.F.	EA	EA	EA	EA	100 FT.	L.F.	EA	EA	EA	
3	118+26	119+93	RIGHT						1.6	137.5	2			
3	118+58	121+40	LEFT	75.0				2	1.6				1	
3	128+90	131+66	LEFT		1									
3	134+28	134+67	LEFT											MUST TIE DIRECTLY INTO THE BRIDGE
3	134+77	136+30	RIGHT				1							
8	105+21	107+71	RIGHT	87.5	1	1	1		0.8					
8	106+46	107+71	LEFT	37.5	1	1	1		0.8					
8	110+84	112+10	RIGHT	37.5	1	1	1		0.8					
8	110+84	112+50	LEFT	75	1	1	1		0.8					
13	363+68	365+96	RIGHT	225			2		1.6					
19	664+71	665+46	RIGHT	112.5	1	1								
19	664+07	665+15	LEFT		1	1	1		0.8					
19	668+45	669+33	RIGHT		1	1	1		0.8					
19	668+13	669+17	LEFT	150	1	1						1		
19	668+91	677+84	LEFT	875			1		0.8			1		
SUBTOTAL THIS SHEET				1675.0	9	8	12	1	10.4	137.5	2	2	1	
PAY TOTAL				1675	9	8	12	1	10	138	2	2	1	

CULVERT

CULVERT SECTION SHEET NO.	STA	LOC	CULVERT CLEANOUT	TYPE A PIPE COLLAR	18 IN PIPE GROUP A	36 IN PIPE GROUP A	CLASS B-1 CONCRETE (CULVERTS)	REINFORCING STEEL (CULVERTS)	CLASS 3 EXCAVATION	CLASS 4 EXCAVATION	REMARKS
			EA	EA	L.F.	L.F.	C.Y.	LB	C.Y.	C.Y.	
1	20+91	IRON COUNTY	1	1		6			1.0		EXISTING CMP
1	21+01	IRON COUNTY	1				4.1	710.0		17.0	
1	67+14	MADISON COUNTY	1				3.1	570.0		6.5	
2	192+66	MADISON COUNTY	1	1	8				55.5		EXISTING RCP
2	301+71	MADISON COUNTY	1				22.7	4010.0		57.5	
2	339+75	MADISON COUNTY	1				3.4	620.0		16.4	
3	354+37	MADISON COUNTY	1				9.4	1730.0		21.4	
3	356+44	MADISON COUNTY	1				21.1	3560.0		58.7	
3	364+64	MADISON COUNTY	1				4.8	780.0		15.9	
SUBTOTAL THIS SHEET			9	2	8	6	68.6	11980.0	56.5	193.4	
PAY TOTAL			9	2	8	6	68.6	11980	56.5	193.4	

ROCK DITCH LINER

PLAN SHEET NO.	STA	STA	LOC	FURNISHING TYPE 2 ROCK DITCH LINER	PLACING TYPE 2 ROCK DITCH LINER	PERMANENT EROSION CONTROL GEOTEXTILE	REMARKS
				C.Y.	C.Y.	S.Y.	
4	66+99	67+49	RT	37	37	56	ESTIMATED 59 TONS
				31	31	47	ESTIMATED 50 TONS. LOCATIONS AS DIRECTED BY THE ENGINEER
SUBTOTAL THIS SHEET				68	68	103	
PAY TOTAL				68	68	103	

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EROSION CONTROL

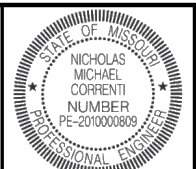
STA	STA	DIRECTION						REMARKS
			SILT FENCE	ROCK DITCH CHECK	ALTERNATE DITCH CHECK	SEDIEMNT TRAP ROCK	SEDIEMNT REMOVAL	
			L.F.	L.F.	L.F.	C.Y.	C.Y.	
6+23	676+18	LT & RT	18989.0	26973.0	5394.6	130	1668.5	
PAY TOTAL			18989	26973	5395	130	1669	

MAILBOX POSTS

PLAN SHEET NO.	STA	STA	LOC	WOOD POST	REMARKS
				L.F.	
4-22	6+23	676+18	LT & RT	120	
TOTAL				120	

LOCATIONS TO BE DETERMINED BY THE ENGINEER

SUMMARY OF QUANTITIES
SHEET 3 OF 5



Nick M. Co
09/27/2024 4:13:23 PM
Nicholas Michael Correnti - Civil
MO PE-201000809

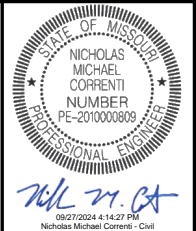
DATE PREPARED
9/27/2024
ROUTE 72 STATE MO
DISTRICT SE SHEET NO. 3
COUNTY IRON/MADISON
JOB NO. J9P3736
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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
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DATE PREPARED
 9/27/2024
 ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 3
 COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

PERMANENT PAVEMENT MARKING													
PLAN SHEET NO	STA	STA	DIRECTION	WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS			HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT TYPE L BEADS		PREFORMED THERMOPLASTIC PAVEMENT MARKING				REMARKS
				4-IN SOLID WHITE*	4-IN SOLID YELLOW	4-IN INTERMITTENT YELLOW	6-IN SOLID WHITE*	4-IN SOLID YELLOW	24-INCH YELLOW	WHITE ARROW RT/LT*	12-INCH WHITE YIELD LINE TRIANGLE*	24-INCH WHITE*	
				LF	LF	LF	LF	LF	LF	EA	EA	LF	
1	6+22.00	60+00	EB	5741	2989	804							
1	6+22.00	60+00	WB	5698	4190	265							
2	60+00	113+00	EB	5164	5335	72							
2	60+00	113+00	WB	5295	3512	365							
3	113+00	165+00	EB	5119	5127								
3	113+00	165+00	WB	5156	5174								
4	165+00	217+00	EB	5164	5169								
4	165+00	217+00	WB	5162	5169								
5	217+00	269+00	EB	5188	5209								
5	217+00	269+00	WB	5214	5209								
6	269+00	16+00	EB	5279	4866	104							
6	269+00	16+00	WB	5281	4161	281							
7	16+00	67+50	EB	5150	3933	192							
7	16+00	67+50	WB	5150	4297								
8	67+50	120+00	EB	5169	3496	305							
8	67+50	120+00	WB	5000	4062	296							
9	120+00	172+00	EB	5199	3295	398							
9	120+00	172+00	WB	5203	4562	347							
10	172+00	224+00	EB	5202	4024	213							
10	172+00	224+00	WB	5198	3416	445							
11	224+00	276+00	EB	5203	2147	754							
11	224+00	276+00	WB	5046	3309	185							
12	276+00	328+00	EB	5067	3881								
12	276+00	328+00	WB	5078	2393	675							
13	328+00	380+00	EB	5201	5187								
13	328+00	380+00	WB	5199	5209								
14	380+00	432+00	EB	5093	4369	206							
14	380+00	432+00	WB	5200	4343	217							
15	432+00	484+00	EB	5197	423	233							
15	432+00	484+00	WB	5203	1352	977							
16	484+00	536+00	EB	5206	1226	222							
16	484+00	536+00	WB	5194	1319	996							
17	536+00	588+00	EB	5204	794	742							
17	536+00	588+00	WB	5196	941	555							
18	588+00	656+00	EB	5289	1160	214							
18	588+00	656+00	WB	5341	1239	1013							
19	656+00	681+22	EB	616	275		3004	1931	258	7	16	126	
19	656+00	681+22	WB	756	275	76	2190	839		3	18	43	
SUBTOTAL THIS SHEET				189021	127037	11152	5194	2770	258	10	34	169	
PAY TOTAL				189021	138189		5194	2770	258	10	34	169	

*NOTE:BLACK CONTRAST PAVEMENT MARKING TO BE INCLUDED WITH ALL WHITE PAVEMENT MARKINGS ON CONCRETE SURFACES AT NO DIRECT PAY.

TEMP PAVEMENT MARKING					
TC SHEET NO.	STA	STA	LOC	TEMP REMOVABLE TEMP REMOVABLE MARKING TAPE 24" WHITE	REMARKS
				LF	
1	659+00	676+18	LT & RT	252	STAGE 1 AND STAGE 2
TOTAL				252	

TYPE III OBJECT MARKER					
PLAN SHEET NO.	STA	STA	LOC	TYPE III OBJECT MARKER	REMARKS
				EA	
12	287+42	295+00	LT&RT	12	LOCATIONS AS DIRECTED BY THE ENGINEER
				12	
SUBTOTAL THIS SHEET				24	
PAY TOTAL				24	

SUMMARY OF QUANTITIES
 SHEET 4 OF 5

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
9/27/2024 4:25:00 PM
Nicholas Michael Correnti - Civil
MO PE-2010000809

ROUTE 72 STATE MO
DISTRICT SE SHEET NO. 4

COUNTY IRON/MADISON
JOB NO. J9P3736
CONTRACT ID.

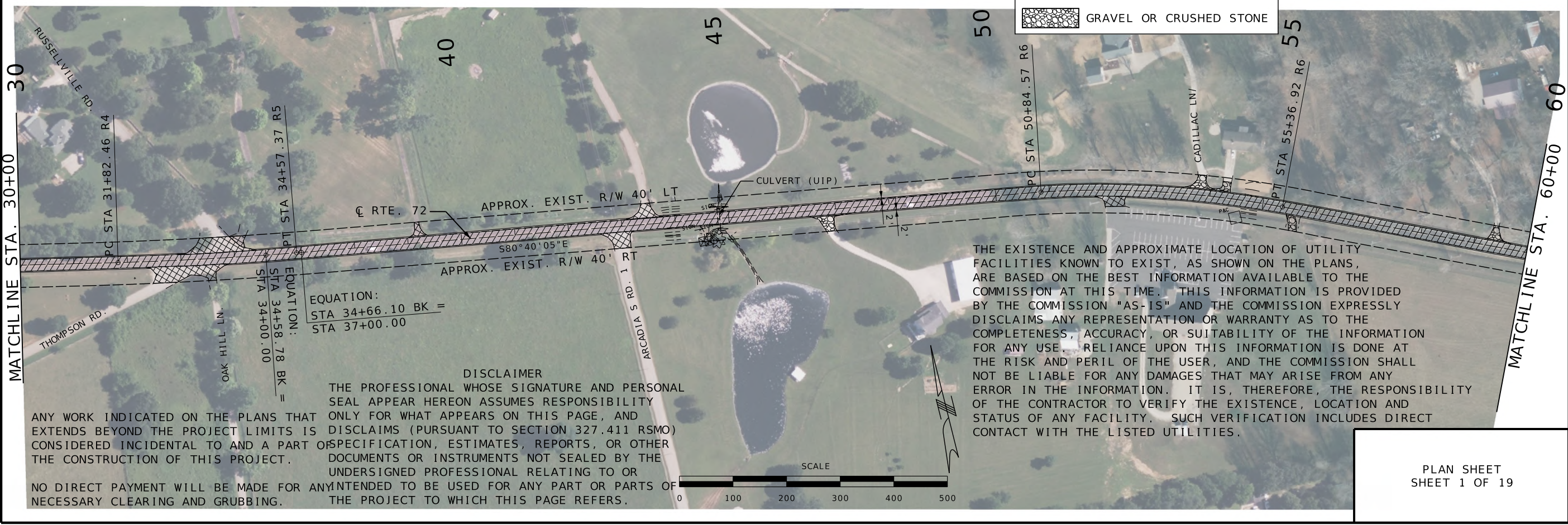
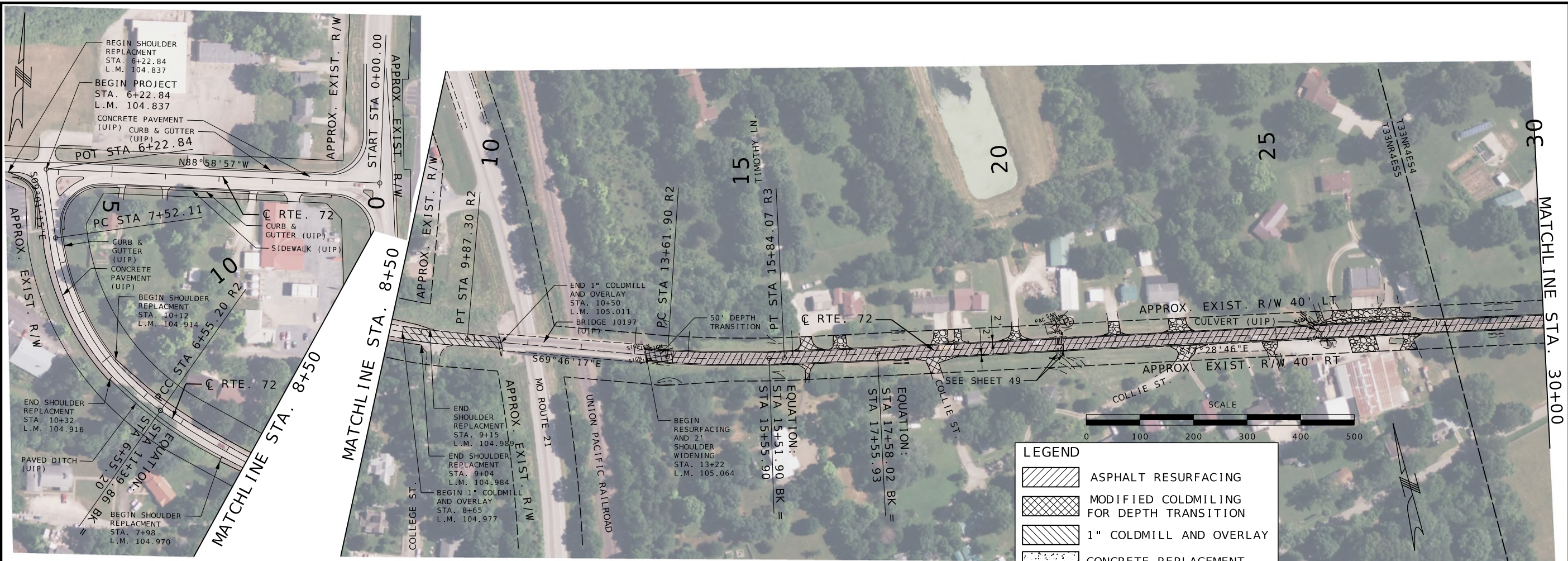
PROJECT NO.
BRIDGE NO.

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



LEGEND

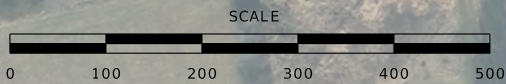
- ASPHALT RESURFACING
- MODIFIED COLDMILLING FOR DEPTH TRANSITION
- 1" COLDMILL AND OVERLAY
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE

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.
 NO DIRECT PAYMENT WILL BE MADE FOR ANY NECESSARY CLEARING AND GRUBBING.

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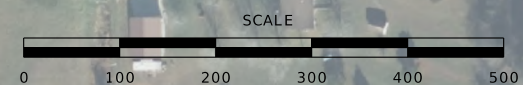
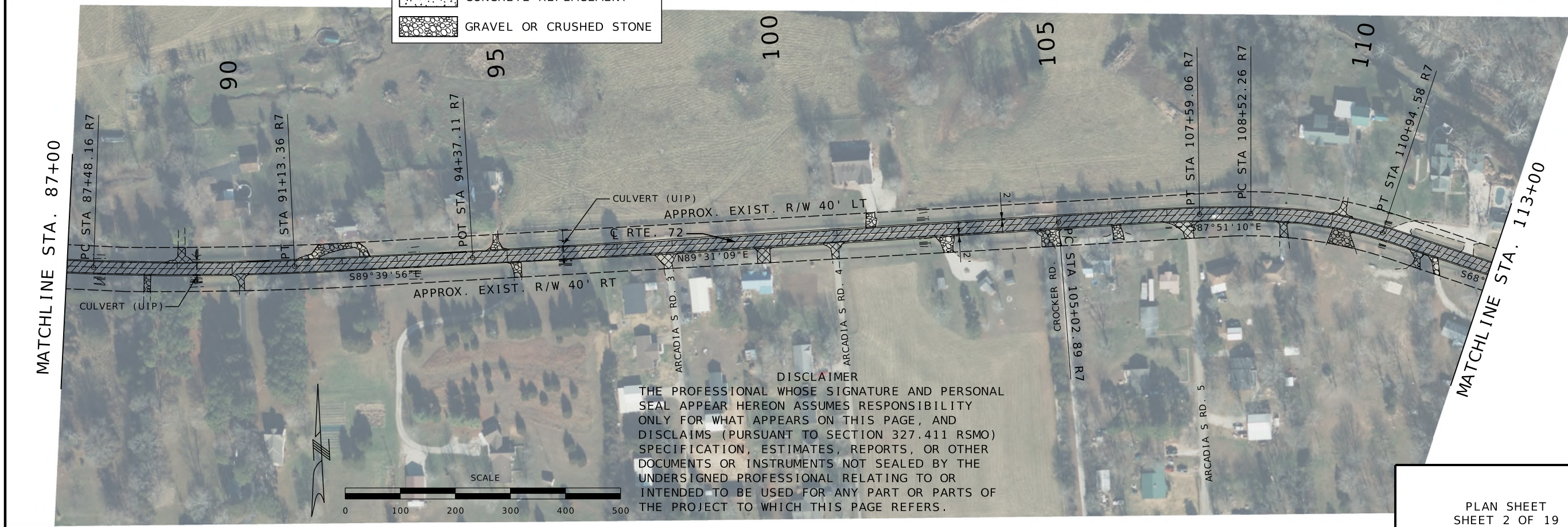
THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY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

PLAN SHEET
SHEET 1 OF 19



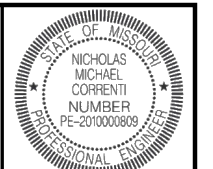
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	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE



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PLAN SHEET
 SHEET 2 OF 19



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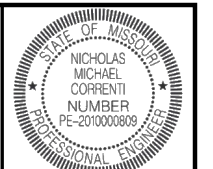
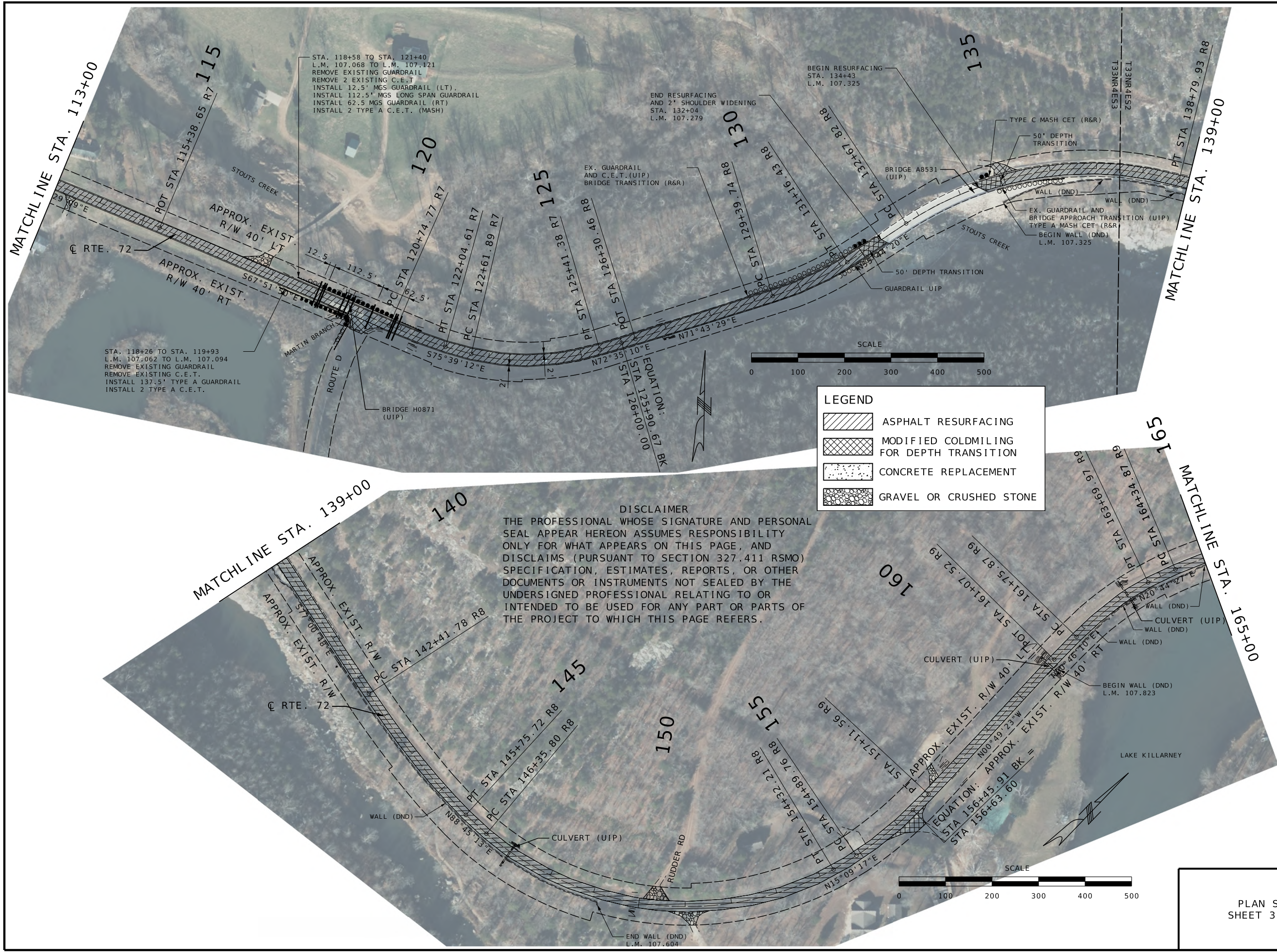
ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	5
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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
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 DATE PREPARED
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ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 6

COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

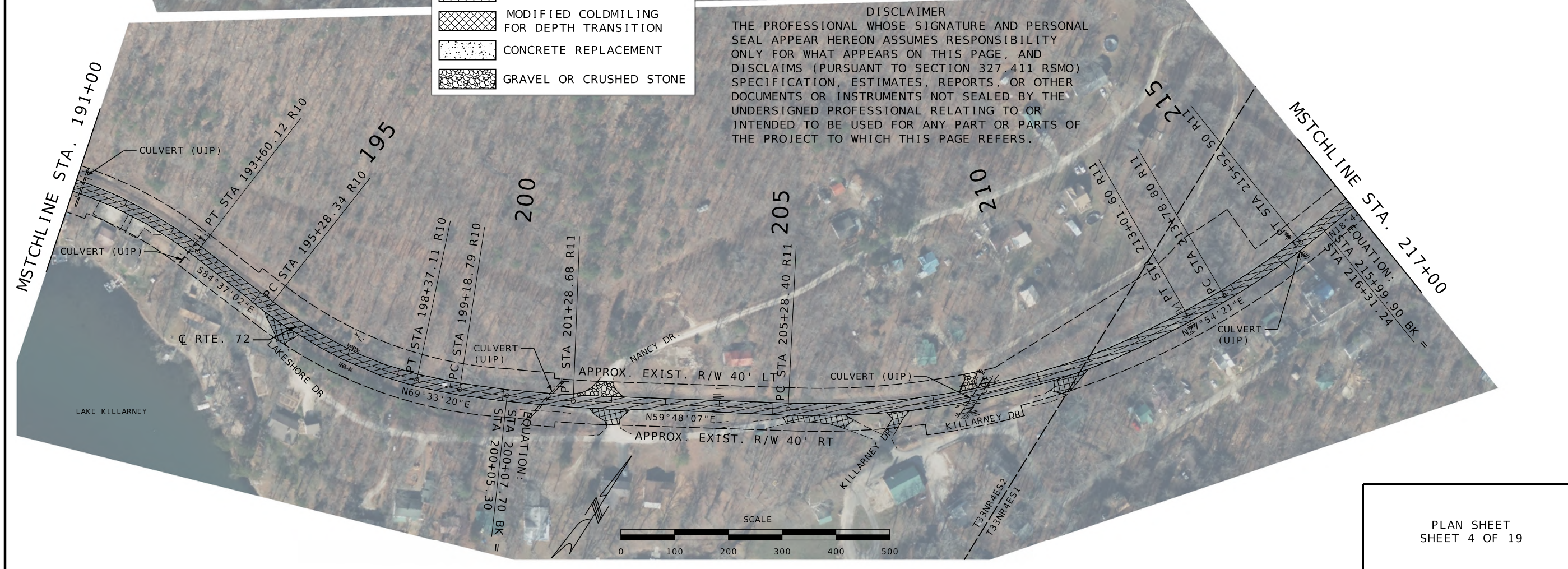
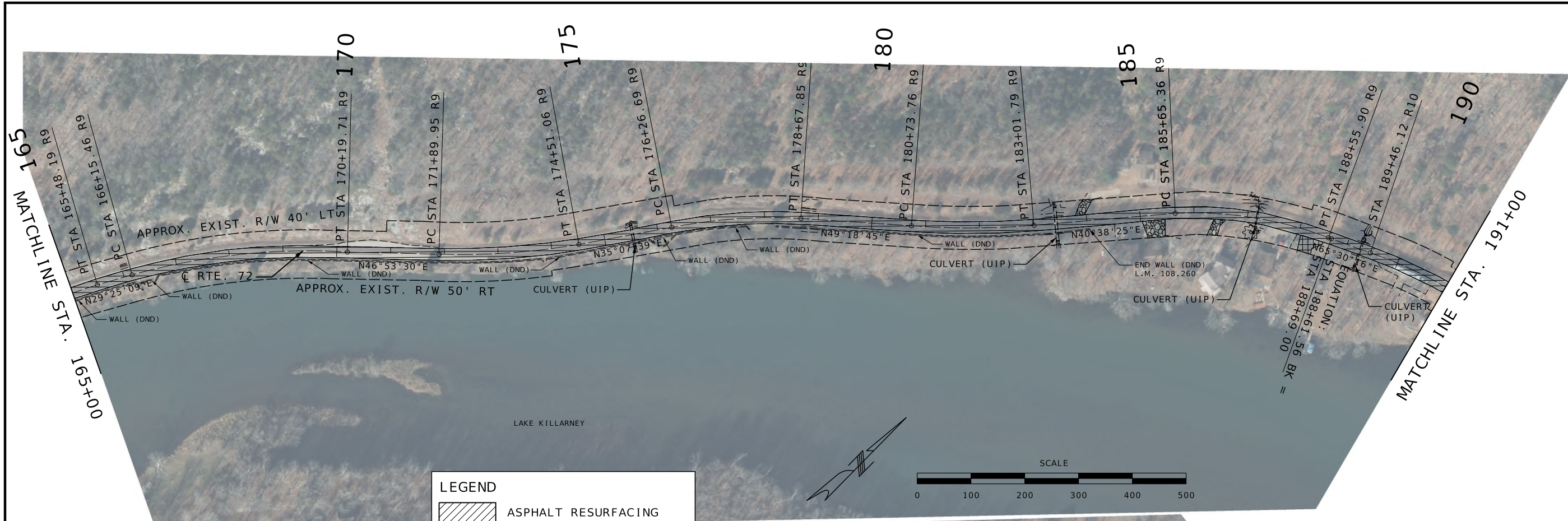
DATE	DESCRIPTION

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
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PLAN SHEET
 SHEET 3 OF 19



LEGEND

	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE

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PLAN SHEET
 SHEET 4 OF 19



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 Nicholas Michael Correnti - Civil
 MO PE-201000809

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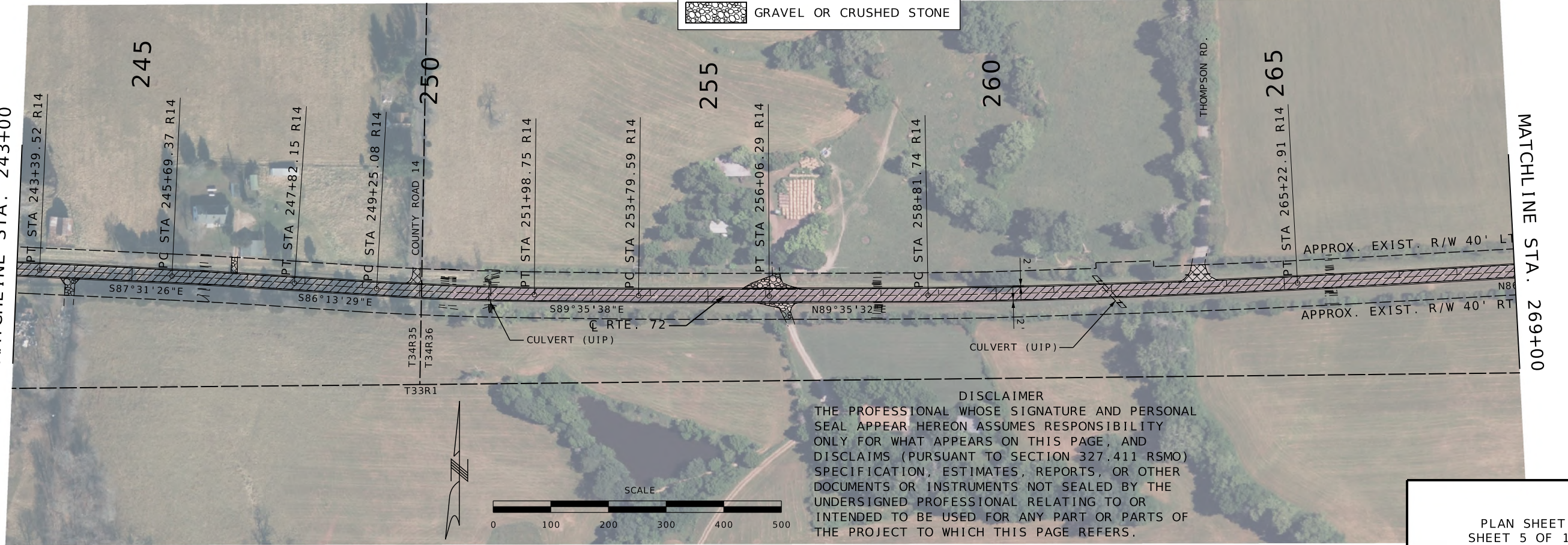
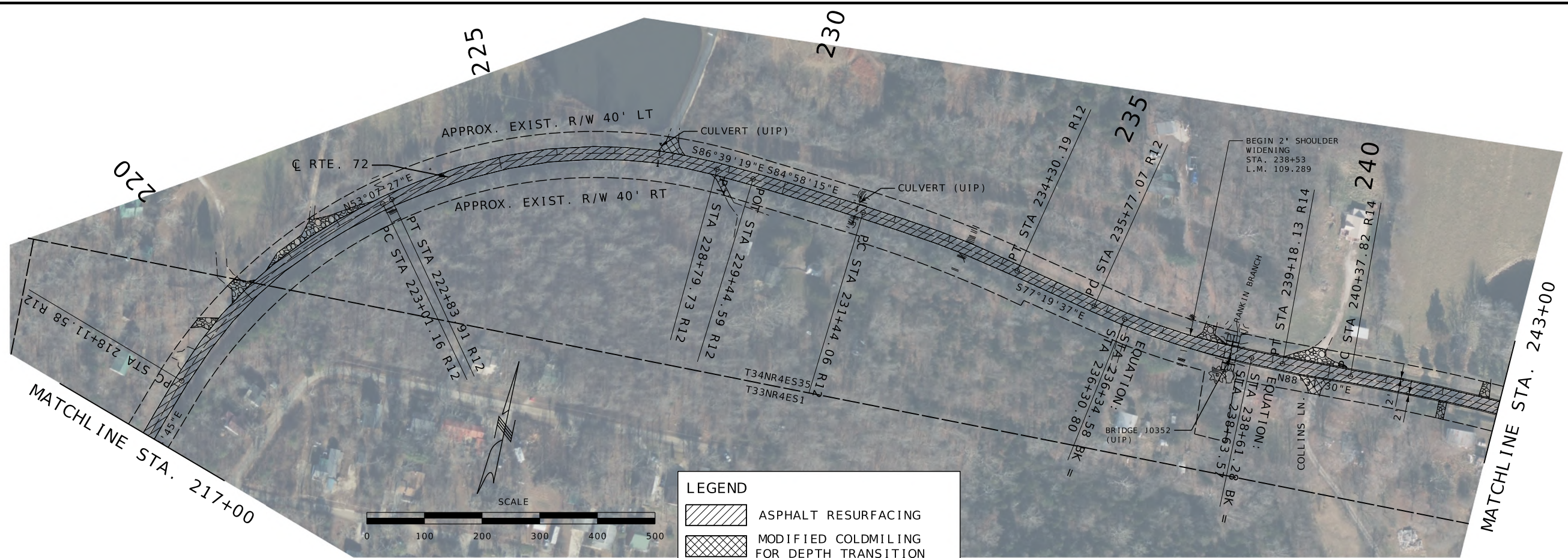
ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 7
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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
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LEGEND

- ASPHALT RESURFACING
- MODIFIED COLDMILM FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE

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ROUTE 72 **STATE** MO
DISTRICT SE **SHEET NO.** 8

COUNTY IRON/MADISON
JOB NO. J9P3736
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)

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 Civil Engineering Design
 13523 Barrett Parkway Dr Phone 314-394-3100
 Suite 250 Fax 314-394-3199
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PLAN SHEET
 SHEET 5 OF 19



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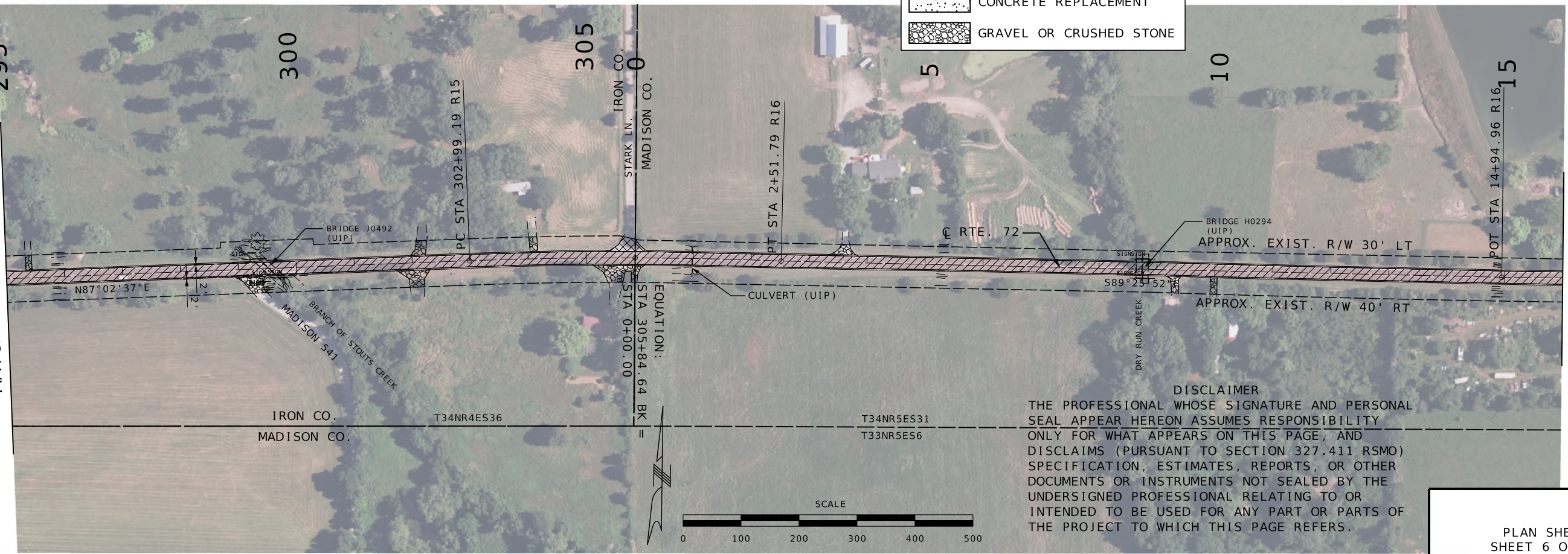
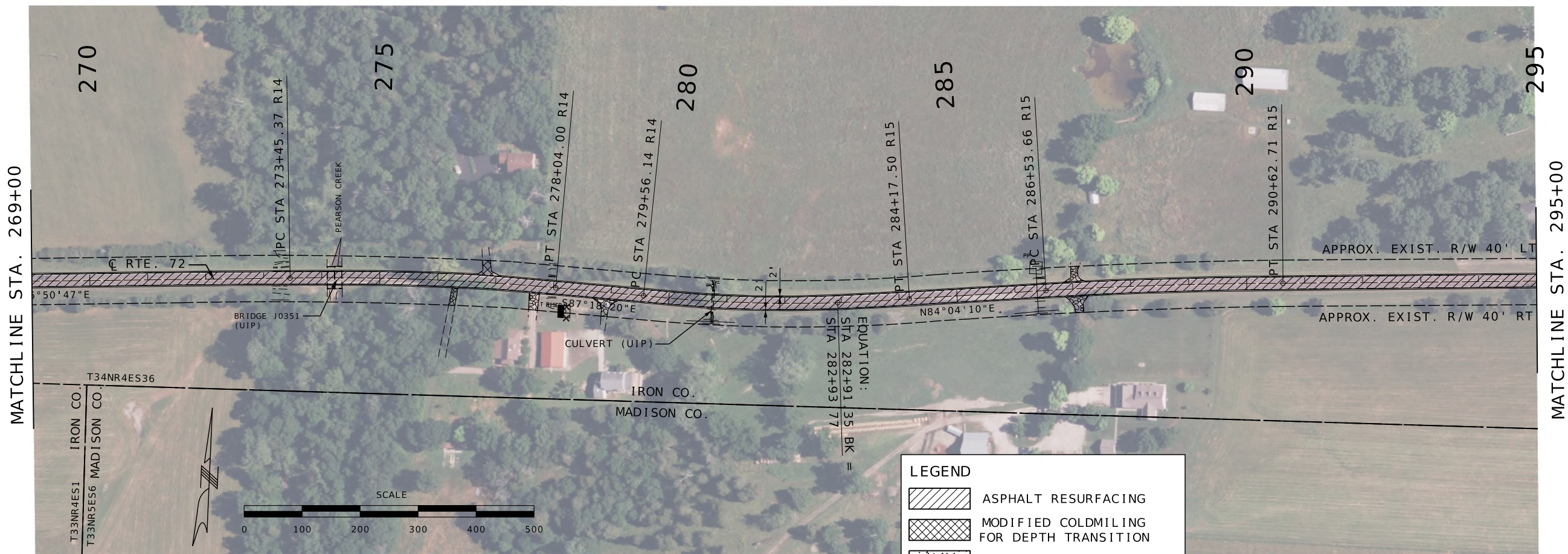
DATE PREPARED
 9/27/2024
 ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 9
 COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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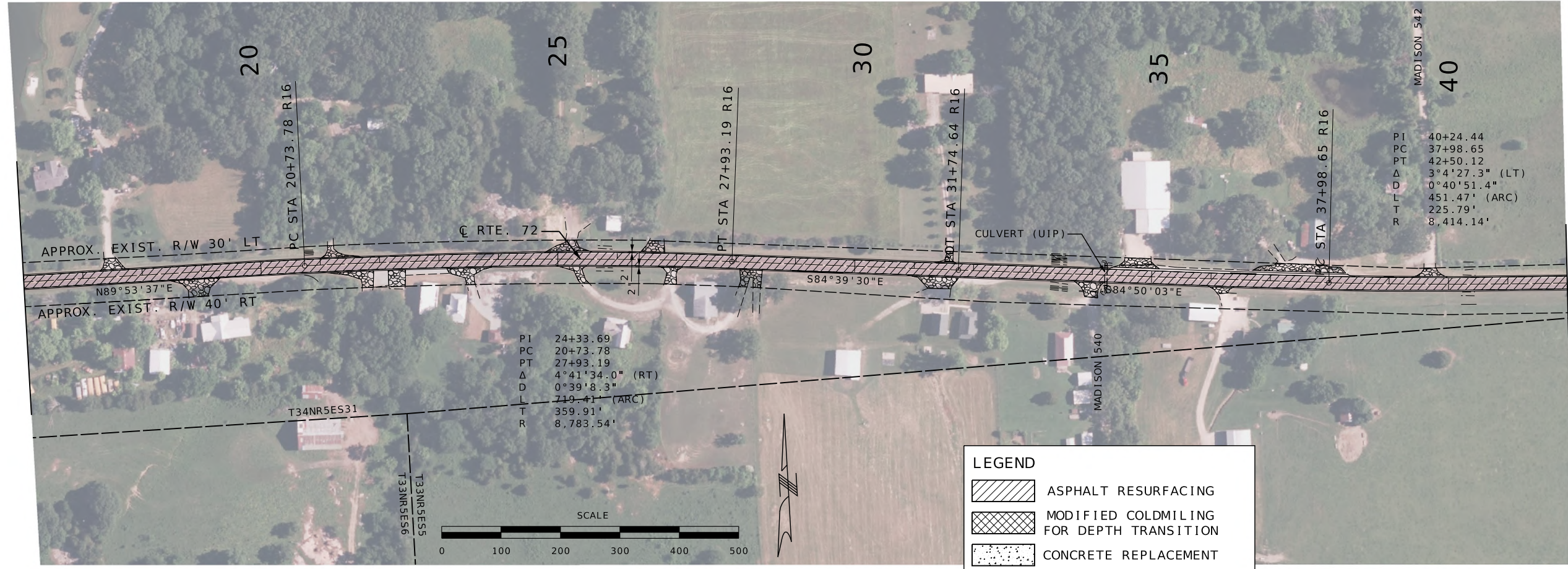
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- ASPHALT RESURFACING
- MODIFIED COLDMILM FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE

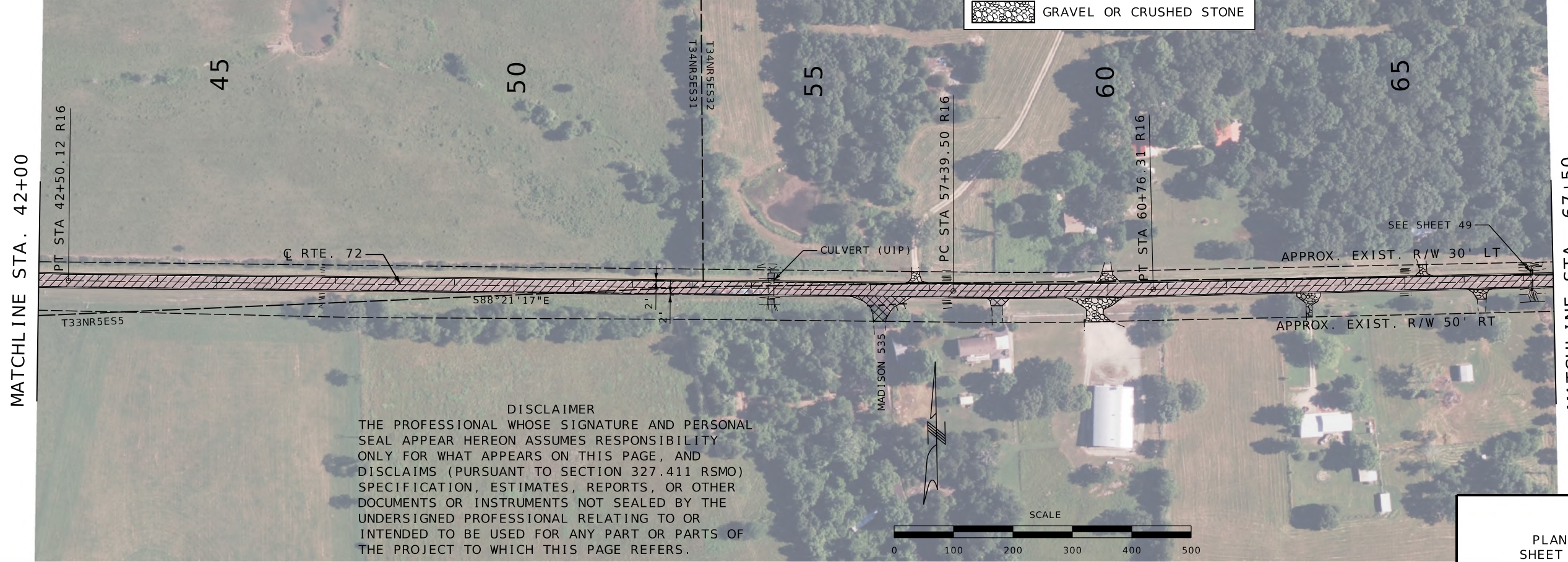
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PLAN SHEET
 SHEET 6 OF 19

MATCHLINE STA. 16+00



MATCHLINE STA. 42+00



MATCHLINE STA. 67+50

PLAN SHEET SHEET 7 OF 19



N.M.C.
DATE PREPARED
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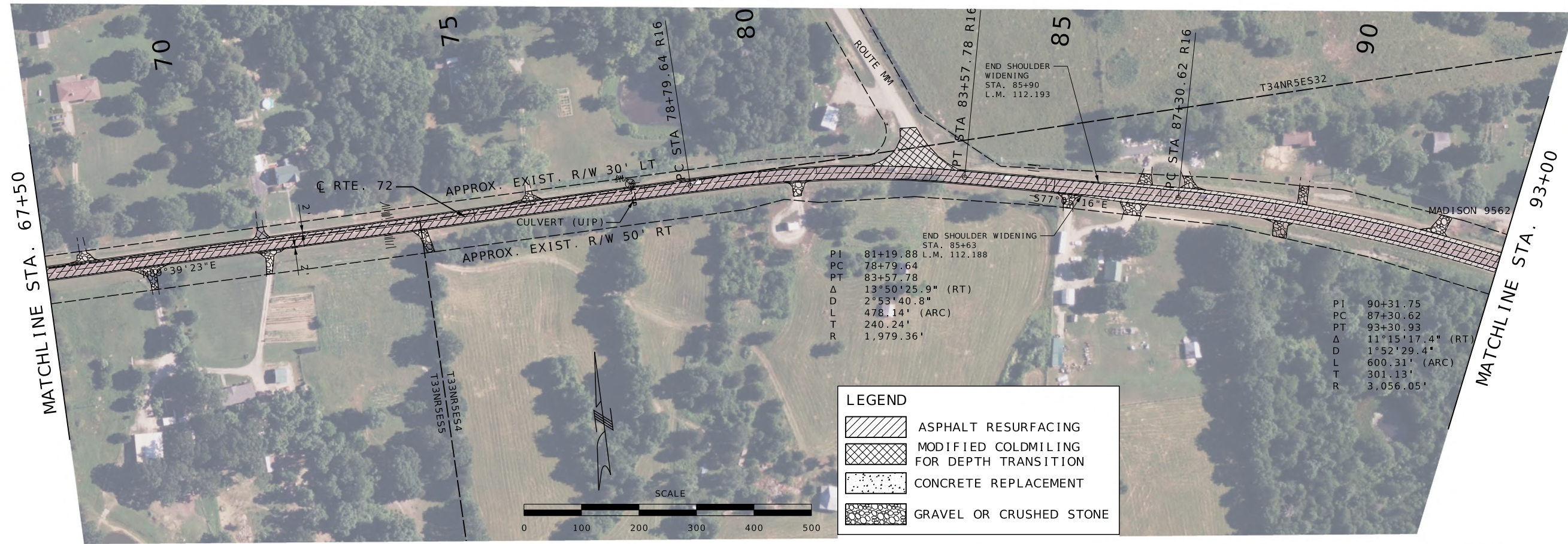
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72	MO
DISTRICT	SHEET NO.
SE	10
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Phone 314-394-3100
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END SHOULDER WIDENING
STA. 85+90
L.M. 112.193

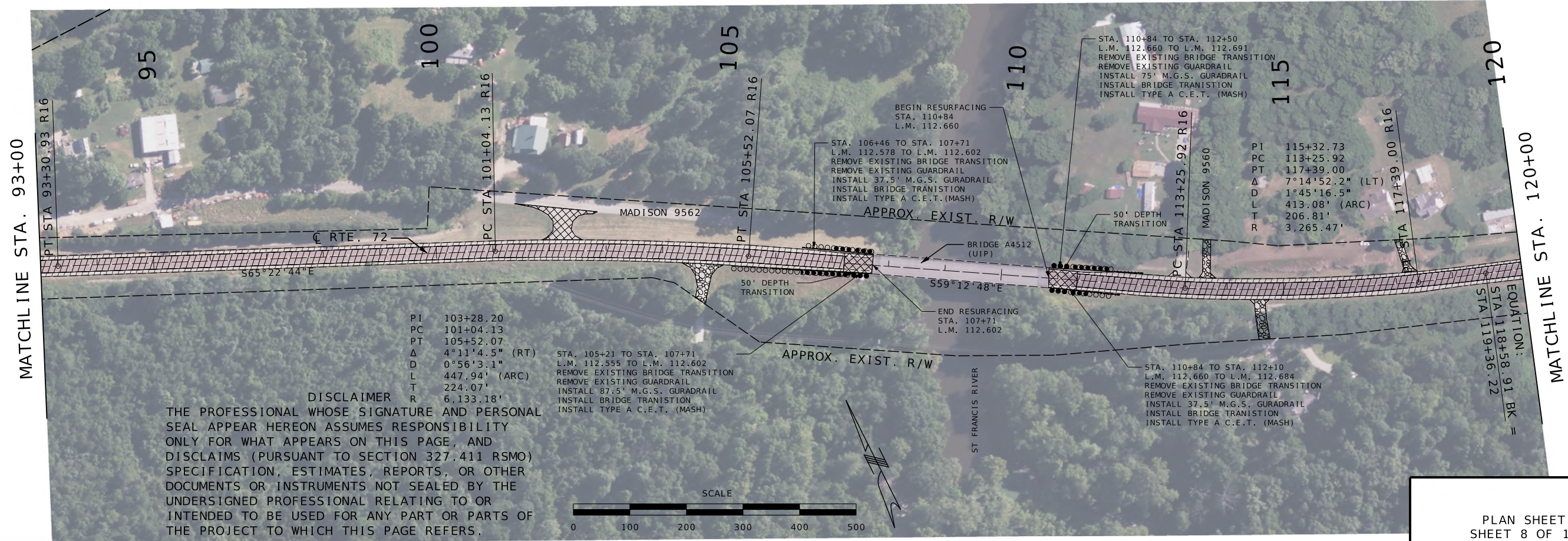
END SHOULDER WIDENING
STA. 85+63
L.M. 112.188

PI 81+19.88 L.M. 112.188
PC 78+79.64
PT 83+57.78
Δ 13°50'25.9" (RT)
D 2°53'40.8"
L 478.14' (ARC)
T 240.24'
R 1,979.36'

PI 90+31.75
PC 87+30.62
PT 93+30.93
Δ 11°15'17.4" (RT)
D 1°52'29.4"
L 600.31' (ARC)
T 301.13'
R 3,056.05'

LEGEND

- ASPHALT RESURFACING
- MODIFIED COLDMILLING FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE



PI 103+28.20
PC 101+04.13
PT 105+52.07
Δ 4°11'4.5" (RT)
D 0°56'3.1"
L 447.94' (ARC)
T 224.07'
R 6,133.18'

STA. 105+21 TO STA. 107+71
L.M. 112.555 TO L.M. 112.602
REMOVE EXISTING BRIDGE TRANSITION
REMOVE EXISTING GUARDRAIL
INSTALL 87.5' M.G.S. GUARDRAIL
INSTALL BRIDGE TRANSITION
INSTALL TYPE A C.E.T. (MASH)

STA. 106+46 TO STA. 107+71
L.M. 112.578 TO L.M. 112.602
REMOVE EXISTING BRIDGE TRANSITION
REMOVE EXISTING GUARDRAIL
INSTALL 37.5' M.G.S. GUARDRAIL
INSTALL BRIDGE TRANSITION
INSTALL TYPE A C.E.T. (MASH)

PI 115+32.73
PC 113+25.92
PT 117+39.00
Δ 7°14'52.2" (LT)
D 1°45'16.5"
L 413.08' (ARC)
T 206.81'
R 3,265.47'

STA. 110+84 TO STA. 112+10
L.M. 112.660 TO L.M. 112.684
REMOVE EXISTING BRIDGE TRANSITION
REMOVE EXISTING GUARDRAIL
INSTALL 37.5' M.G.S. GUARDRAIL
INSTALL BRIDGE TRANSITION
INSTALL TYPE A C.E.T. (MASH)

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09/27/2024 4:29:28 PM
Nicholas Michael Correnti - Civil
MO PE-2010000809

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9/27/2024

ROUTE 72 STATE MO
DISTRICT SE SHEET NO. 1-1

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

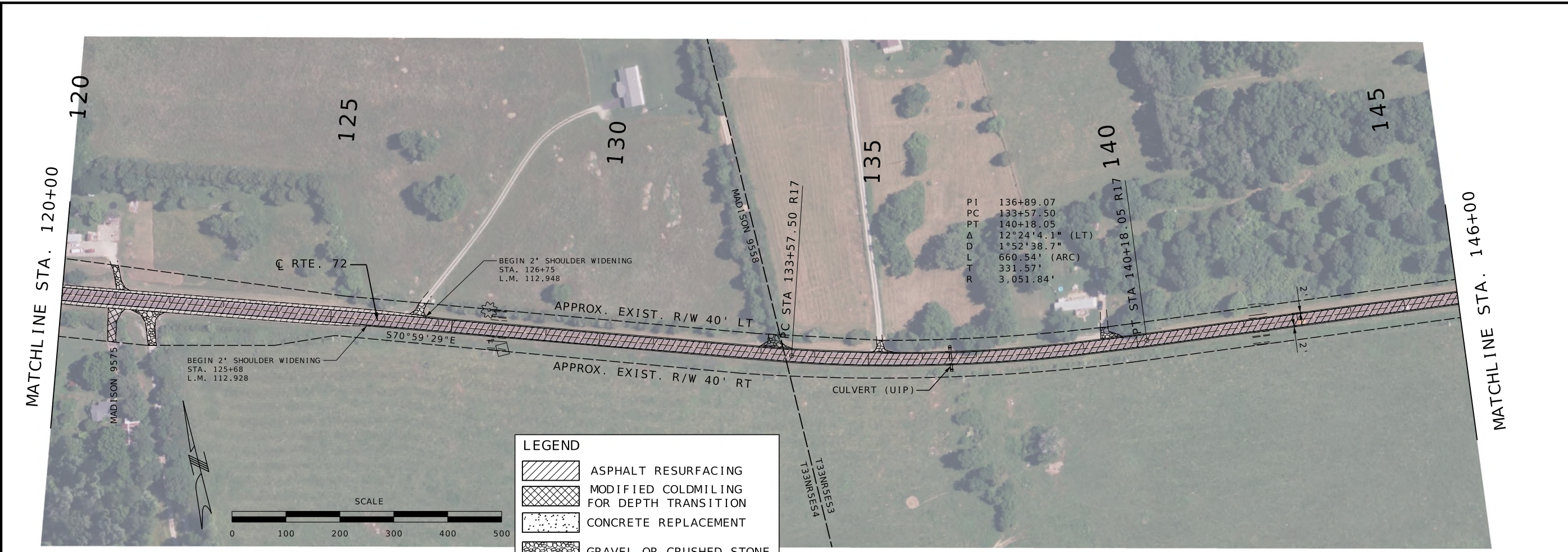
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

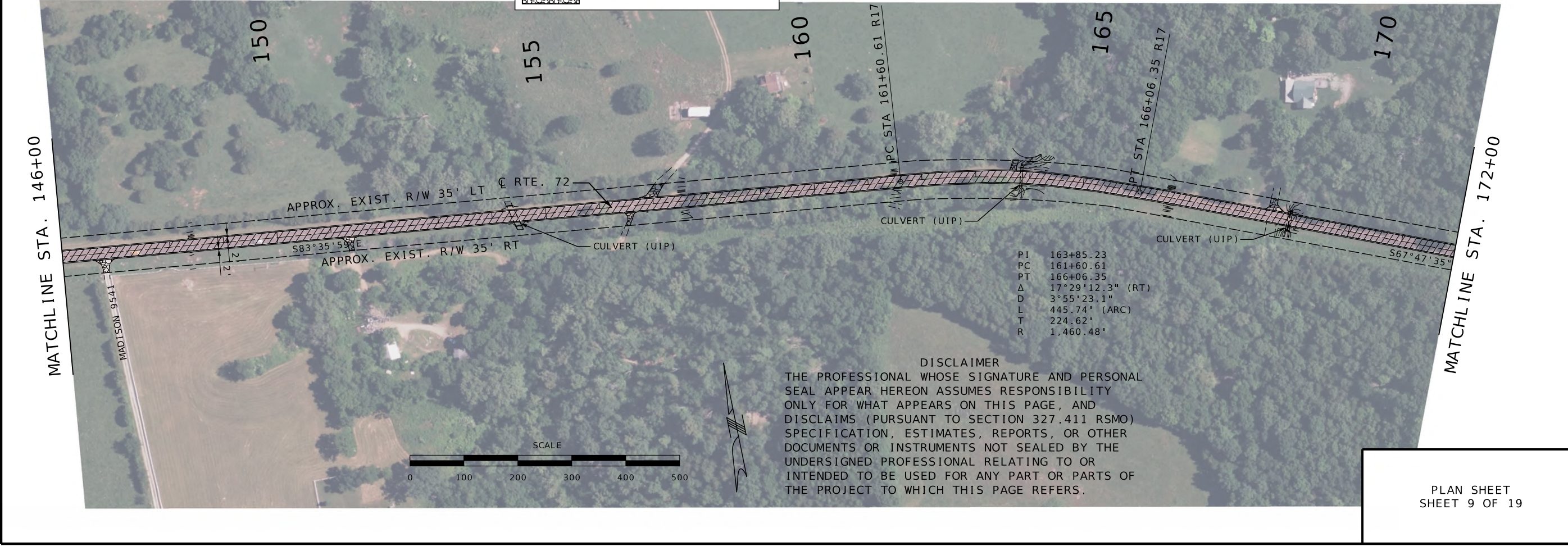
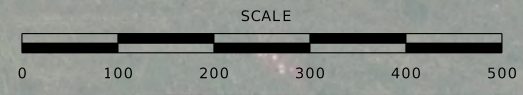
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Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
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PLAN SHEET
SHEET 8 OF 19

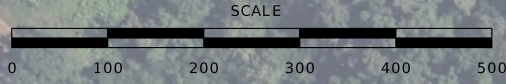


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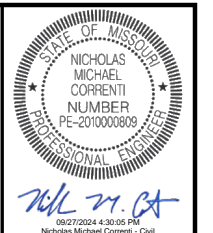
	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE



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PLAN SHEET
 SHEET 9 OF 19



DATE PREPARED
 9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 12

COUNTY
 IRON/MADISON

JOB NO.
 J9P3736

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



PI	178+44.85
PC	176+84.14
PT	180+05.56
Δ	0°11'51.8" (RT)
D	0°3'41.4"
L	321.42' (ARC)
T	160.71'
R	93,146.03'

PI	187+38.53
PC	185+73.84
PT	189+02.32
Δ	10°22'49.0" (RT)
D	3°9'36.3"
L	328.48' (ARC)
T	164.69'
R	1,813.10'

LEGEND

- ASPHALT RESURFACING
- MODIFIED COLDMILLING FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE

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 9/27/2024

ROUTE	72	STATE	MO
DISTRICT	SE	SHEET NO.	13
COUNTY	IRON/MADISON		
JOB NO.	J9P3736		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

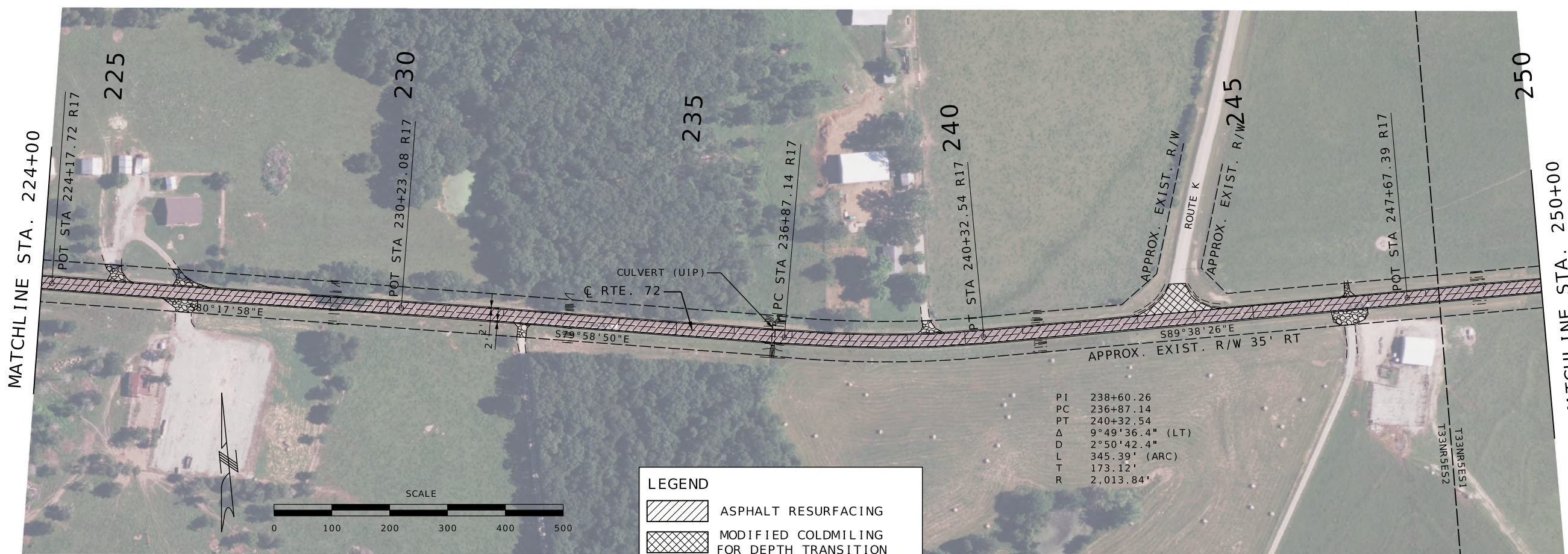
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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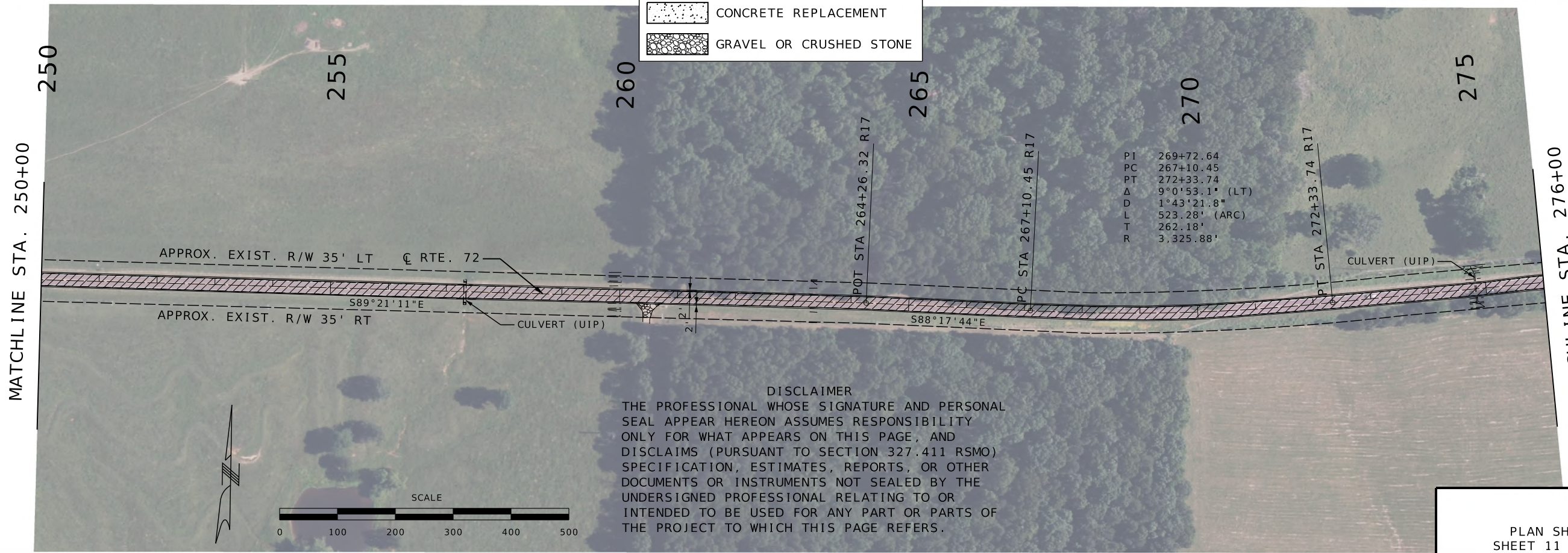
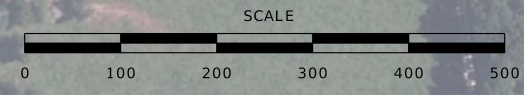
PLAN SHEET
 SHEET 10 OF 19



PI	238+60.26
PC	236+87.14
PT	240+32.54
Δ	9°49'36.4" (LT)
D	2°50'42.4"
L	345.39' (ARC)
T	173.12'
R	2,013.84'

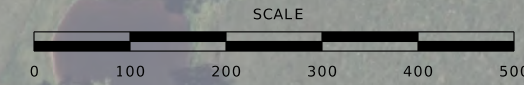
LEGEND

- ASPHALT RESURFACING
- MODIFIED COLDMILING FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE



PI	269+72.64
PC	267+10.45
PT	272+33.74
Δ	9°0'53.1" (LT)
D	1°43'21.8"
L	523.28' (ARC)
T	262.18'
R	3,325.88'

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 DATE PREPARED
 9/27/2024

ROUTE	72	STATE	MO
DISTRICT	SE	SHEET NO.	14
COUNTY	IRON/MADISON		
JOB NO.	J9P3736		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

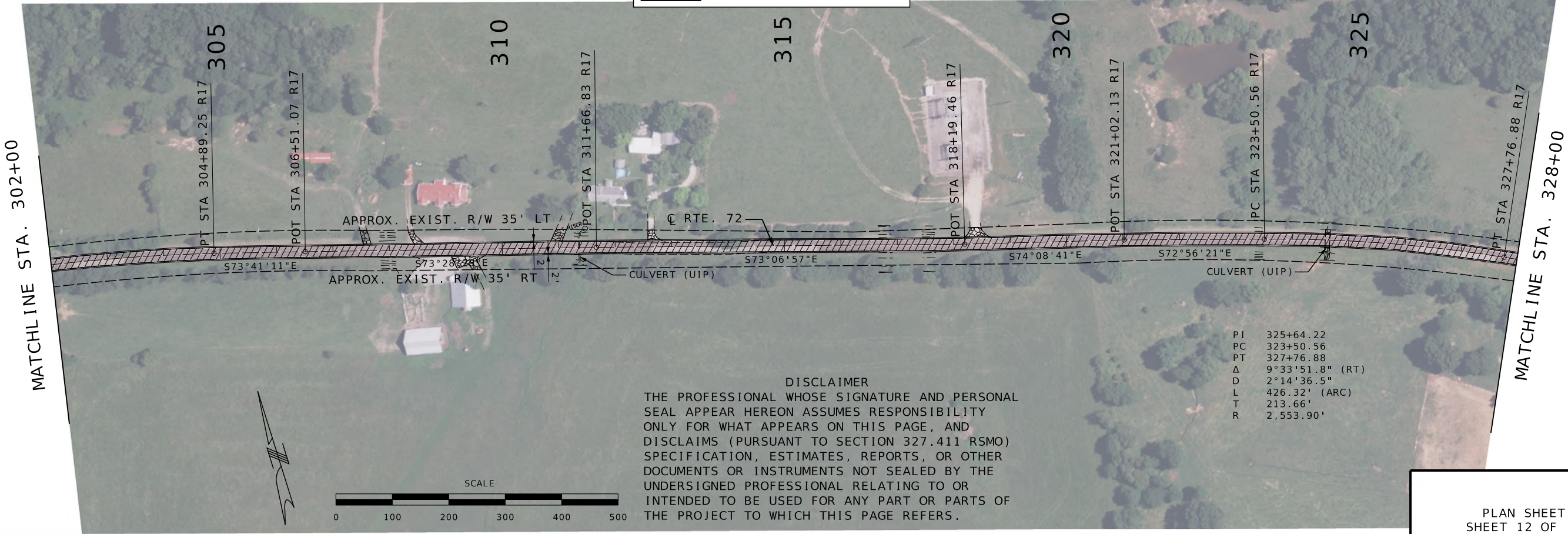
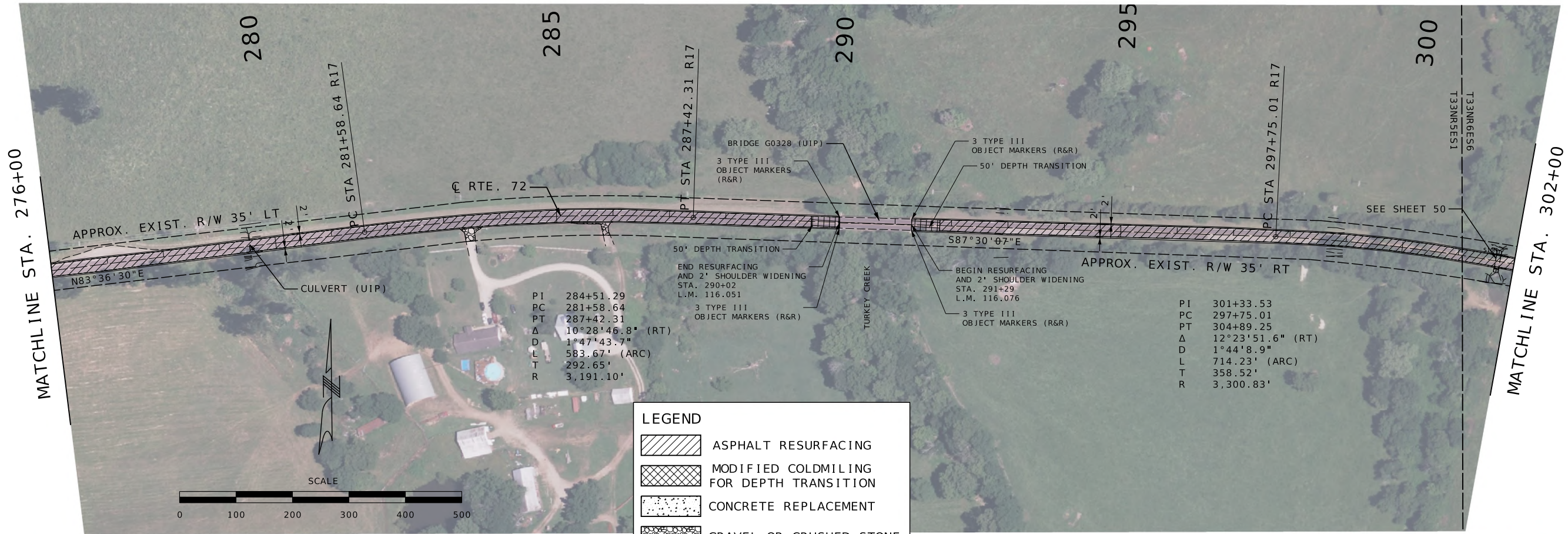
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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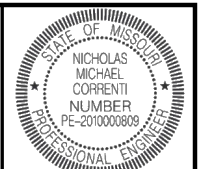
PLAN SHEET
 SHEET 11 OF 19



LEGEND

	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE

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ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	15
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

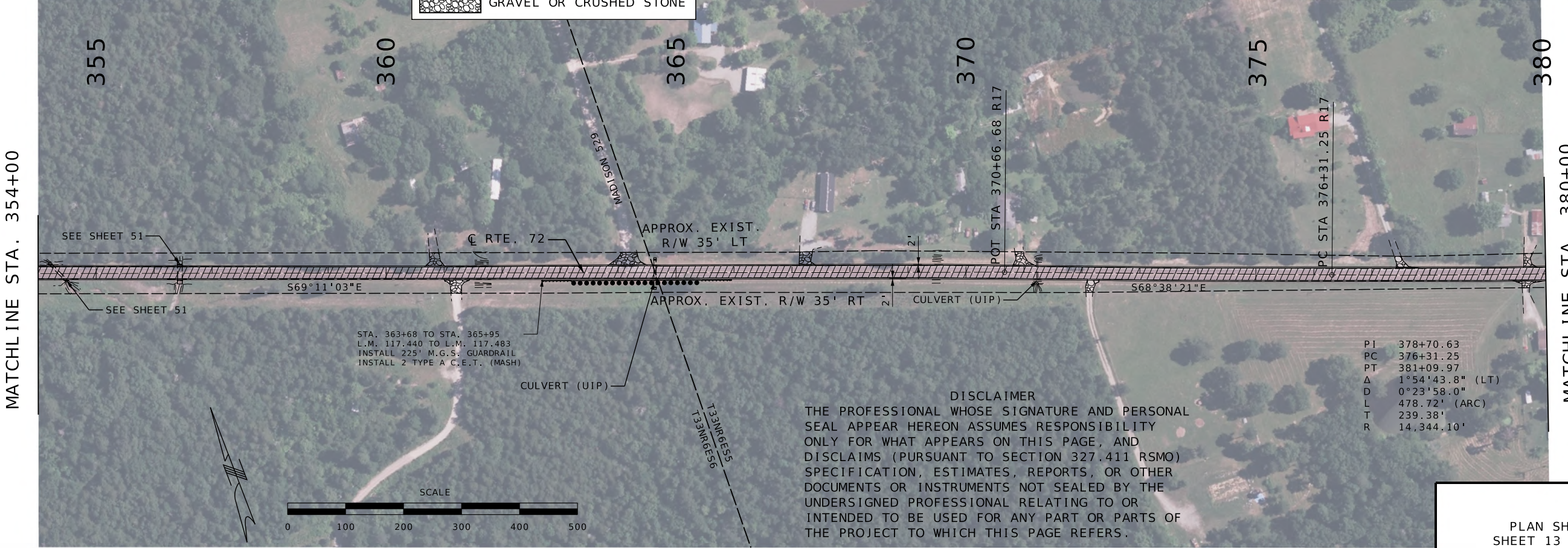
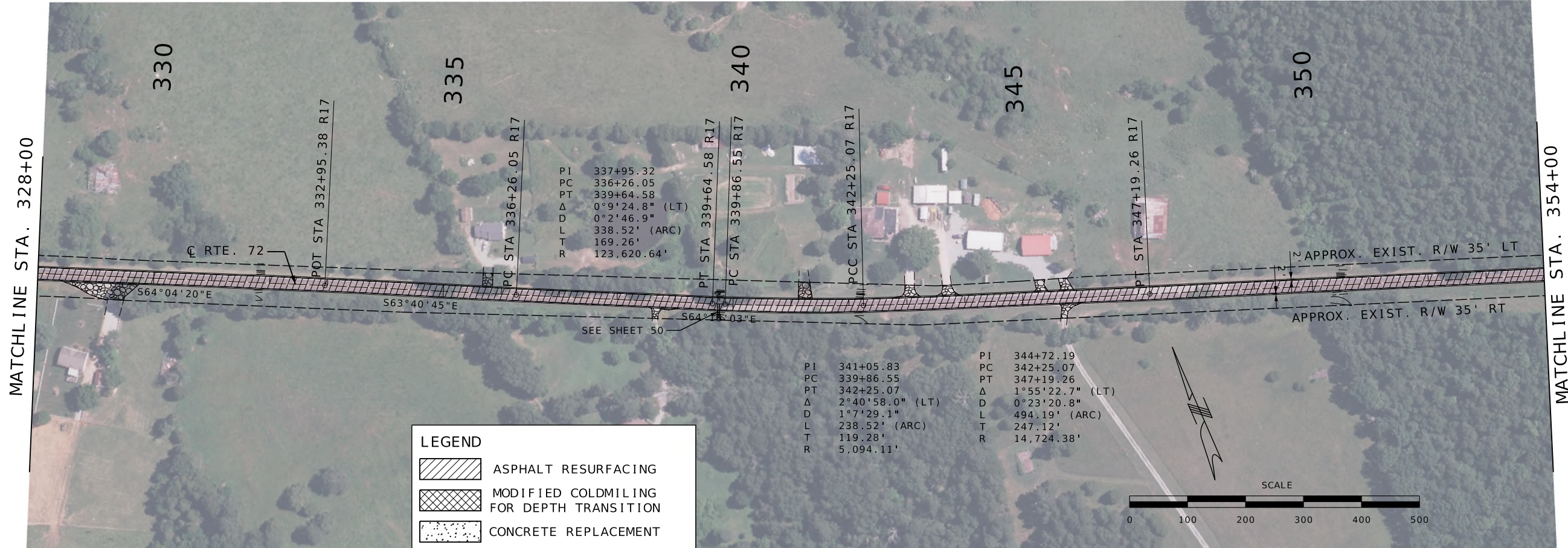
DATE	DESCRIPTION

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
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PLAN SHEET
 SHEET 12 OF 19



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PLAN SHEET
 SHEET 13 OF 19



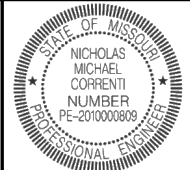
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 9/27/2024
 ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 16
 COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

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09/27/2024 4:34:42 PM
Nicholas Michael Correnti - Civil
MO PE-2010000809

DATE PREPARED
9/27/2024

ROUTE STATE
72 MO

DISTRICT SHEET NO.
SE 1-7

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

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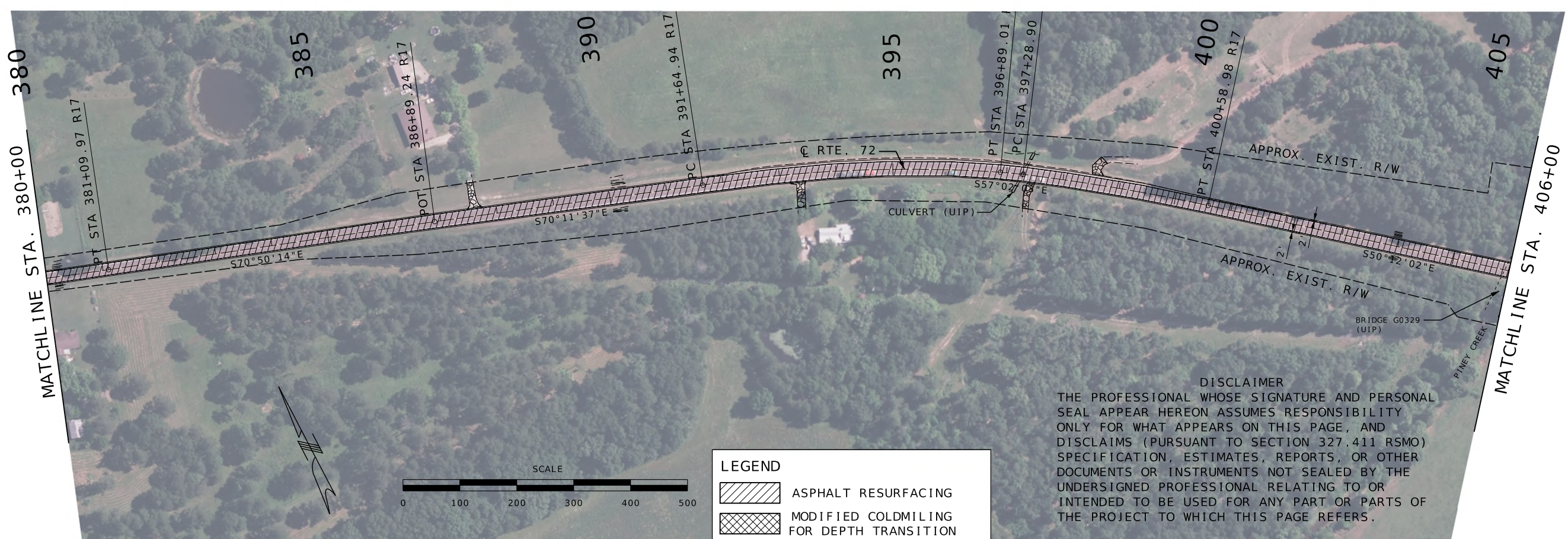
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DESCRIPTION

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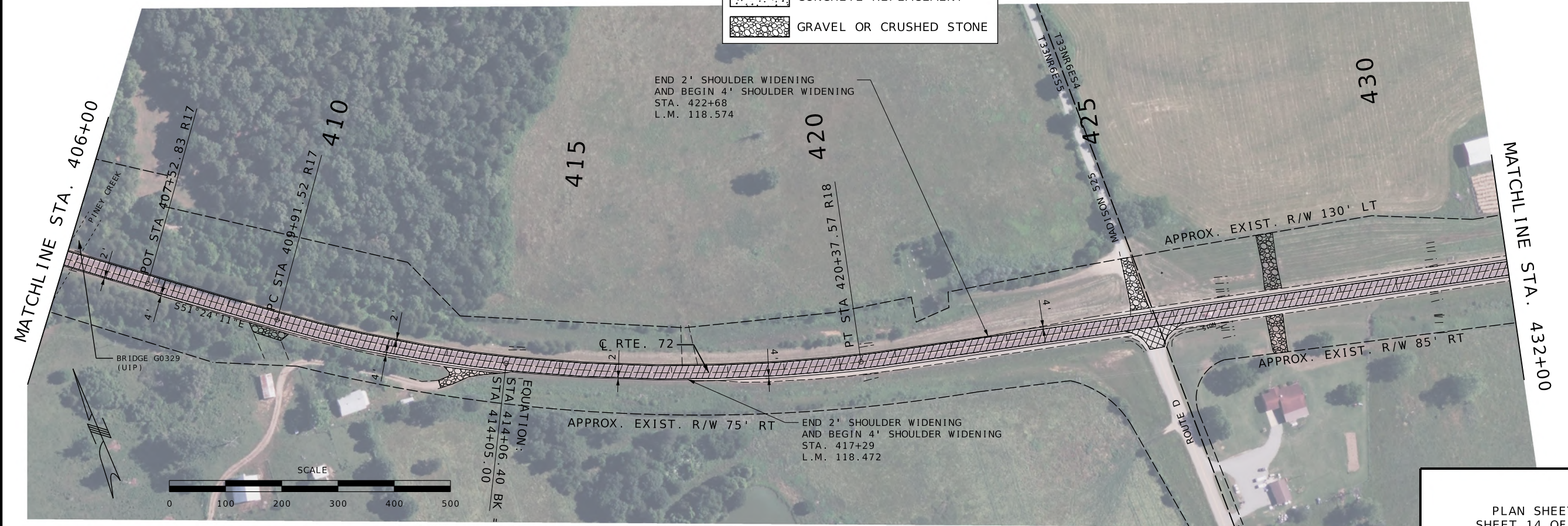
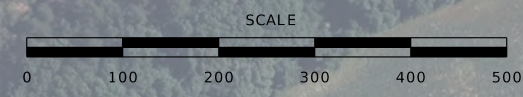
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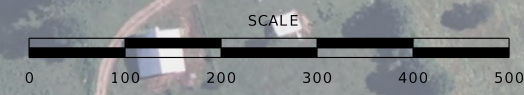
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	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE



END 2' SHOULDER WIDENING AND BEGIN 4' SHOULDER WIDENING
STA. 422+68
L.M. 118.574

END 2' SHOULDER WIDENING AND BEGIN 4' SHOULDER WIDENING
STA. 417+29
L.M. 118.472

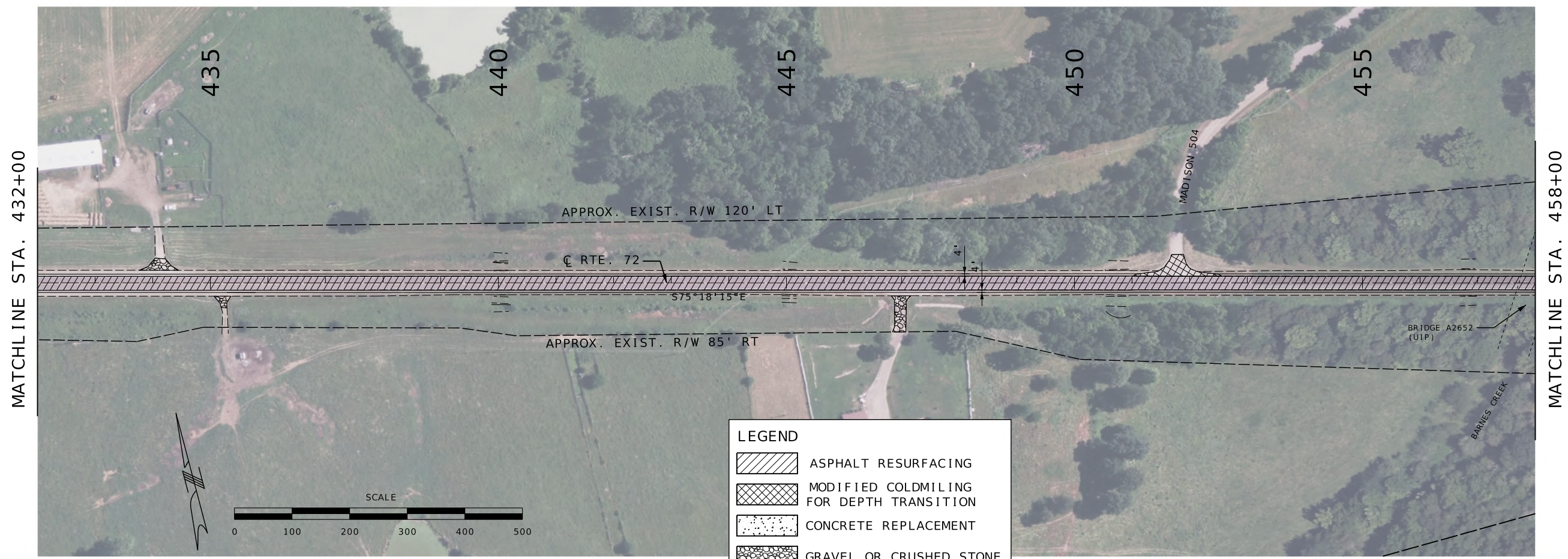
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STA 414+06.40 BK
STA 414+05.00



PLAN SHEET
SHEET 14 OF 19

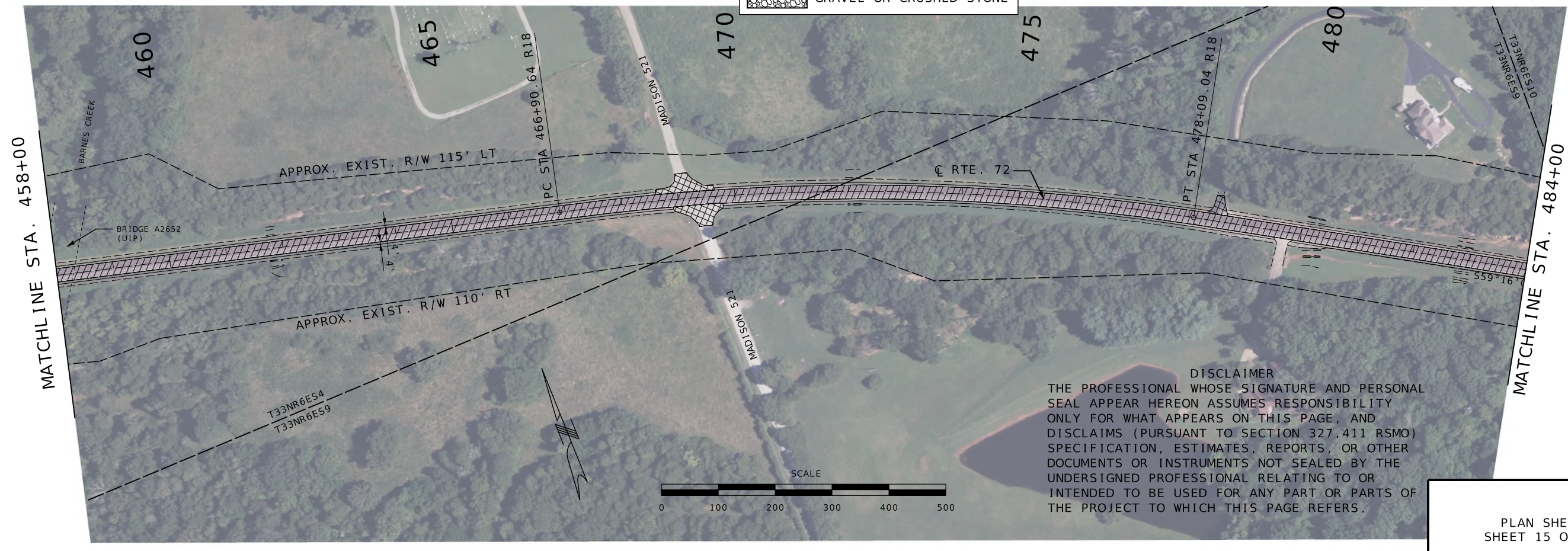
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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



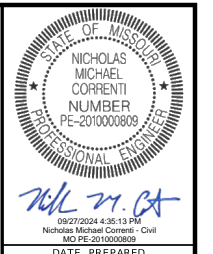
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- ASPHALT RESURFACING
- MODIFIED COLDMILING FOR DEPTH TRANSITION
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE



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PLAN SHEET
 SHEET 15 OF 19



DATE PREPARED
 9/27/2024

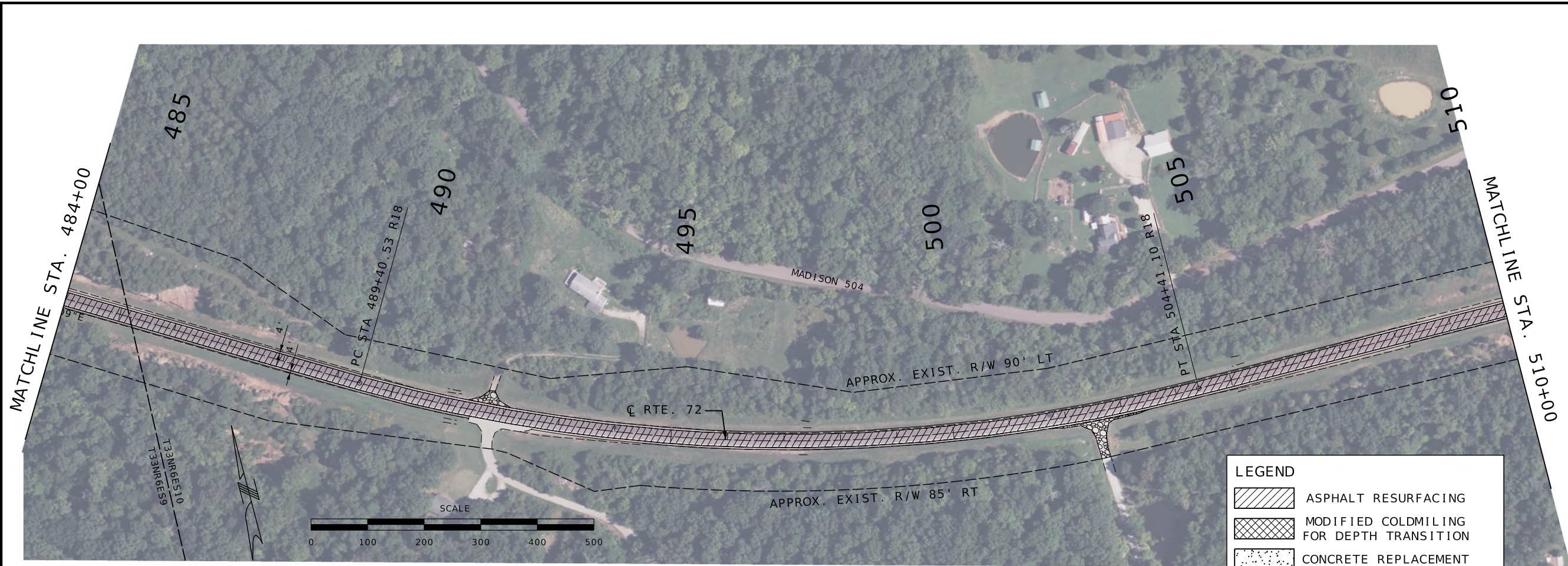
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DISTRICT SE	SHEET NO. 18
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

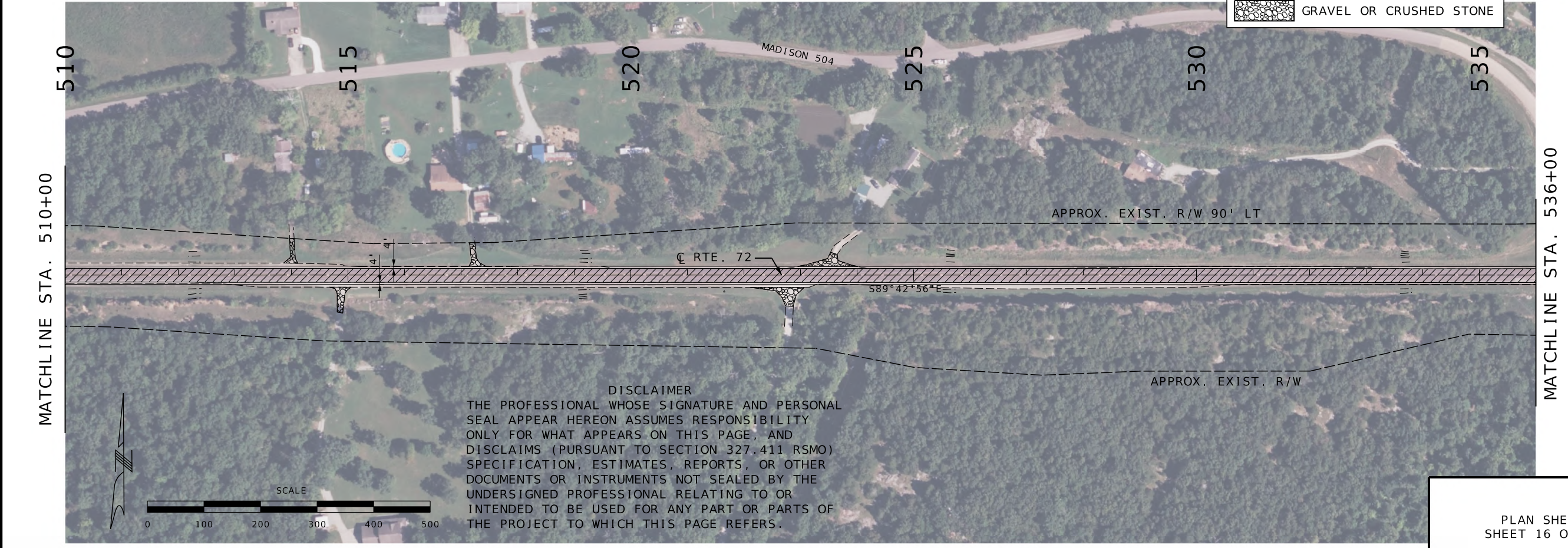
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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 Civil Engineering Design
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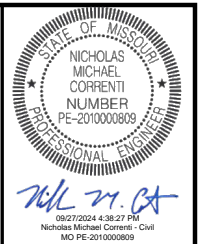
LEGEND

	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE



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PLAN SHEET
 SHEET 16 OF 19



DATE PREPARED
 9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 19

COUNTY
 IRON/MADISON

JOB NO.
 J9P3736

CONTRACT ID.

PROJECT NO.

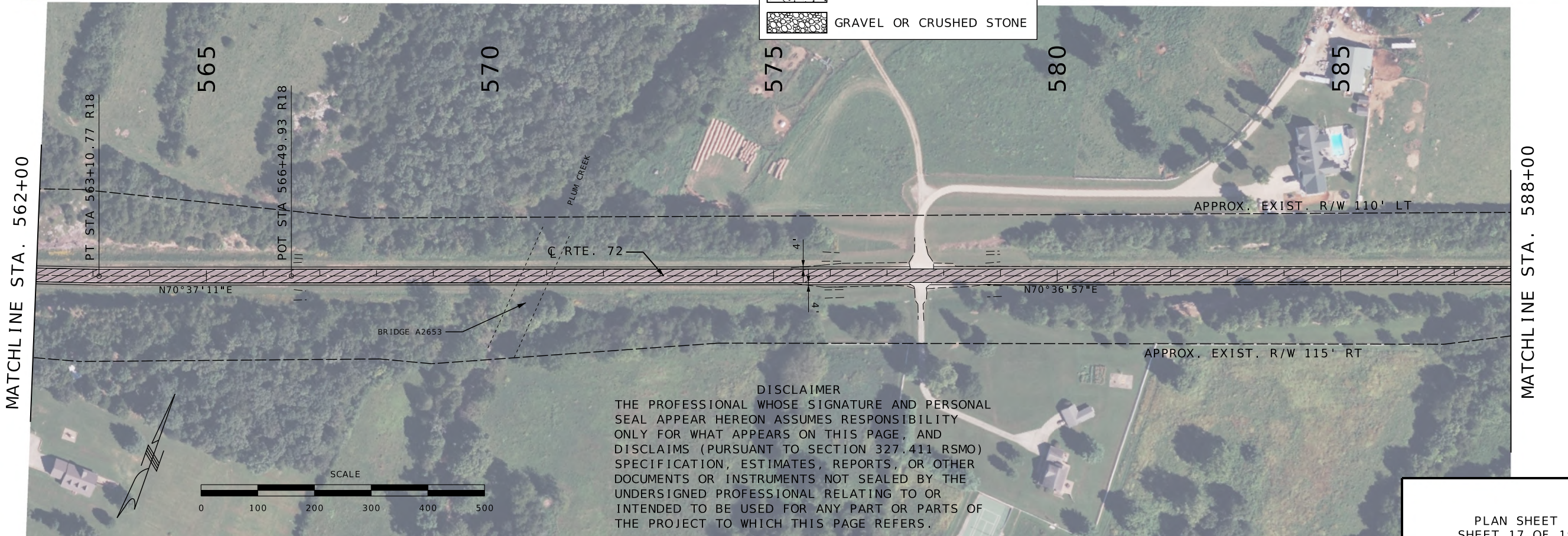
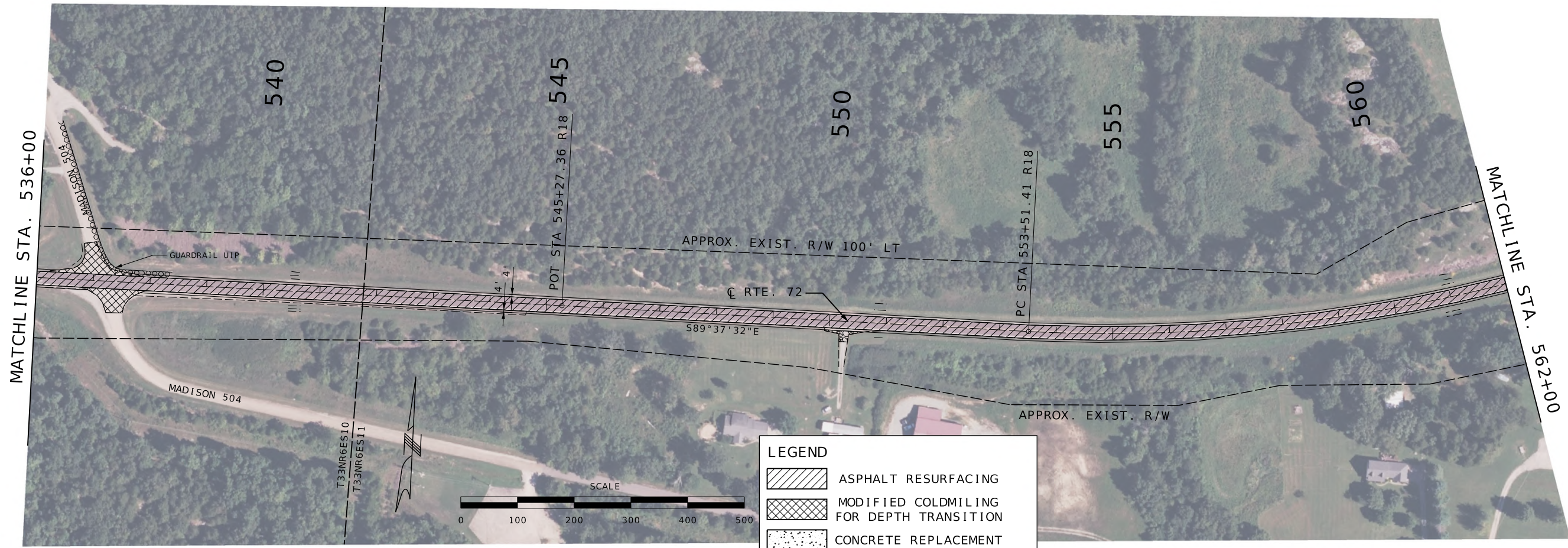
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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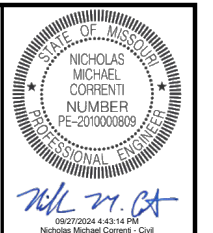


LEGEND

	ASPHALT RESURFACING
	MODIFIED COLDMILING FOR DEPTH TRANSITION
	CONCRETE REPLACEMENT
	GRAVEL OR CRUSHED STONE

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PLAN SHEET
 SHEET 17 OF 19



DATE PREPARED
9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 20

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

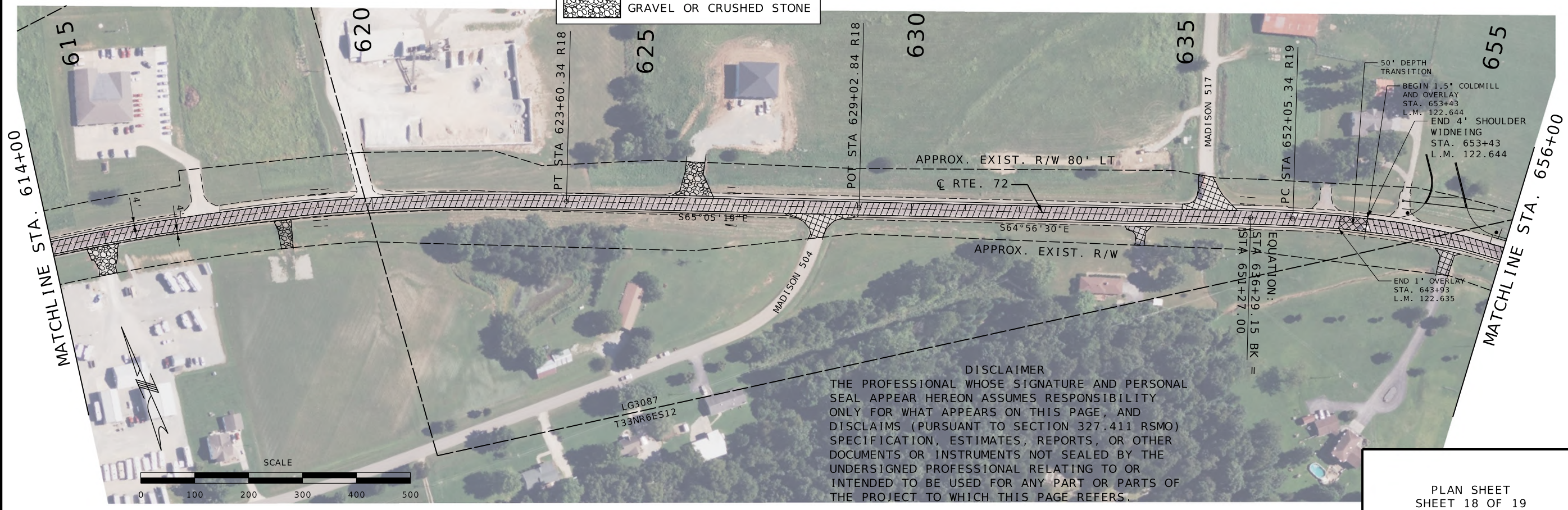
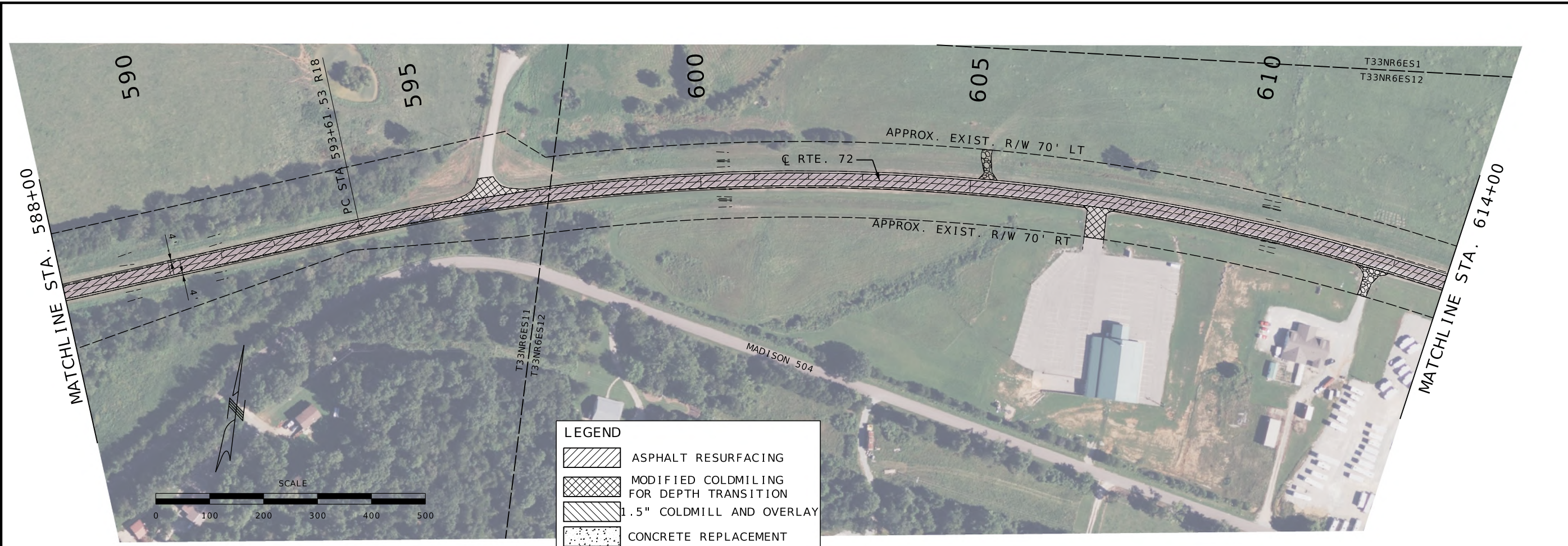
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

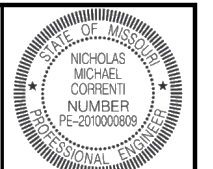
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PLAN SHEET
 SHEET 18 OF 19



N.M. Correnti
 DATE PREPARED
 9/27/2024

ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 21

COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.

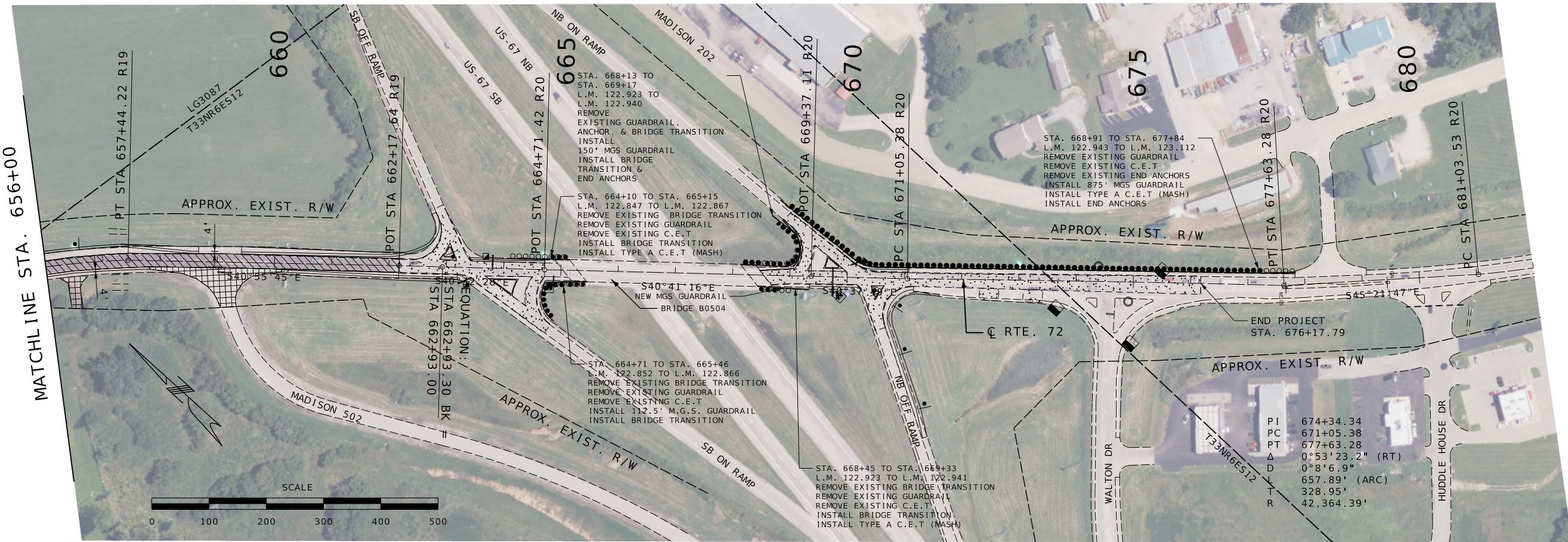
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 JEFFERSON CITY, MO 65102
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 DATE PREPARED: 9/27/2024 4:44:06 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED		9/27/2024	
ROUTE	STATE	72	MO
DISTRICT	SHEET NO.	SE	22
COUNTY			
IRON/MADISON			
JOB NO.			
J9P3736			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			


DATE	DESCRIPTION

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LEGEND

- ASPHALT RESURFACING
- MODIFIED COLDMILING FOR DEPTH TRANSITION
- 1.5" COLDMILL AND OVERLAY
- CONCRETE REPLACEMENT
- GRAVEL OR CRUSHED STONE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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PLAN SHEET
 SHEET 19 OF 19

GRADE TO A 3:1 SLOPE EVERYWHERE ELSE UNLESS OTHERWISE NOTED ON THE TYPICALS

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Nick M. CA
Nicholas Michael Correnti - Civil
 No. PE-201000809

DATE PREPARED

9/27/2024

ROUTE 72 STATE MO

DISTRICT SE SHEET NO. 23

COUNTY

IRON/MADISON

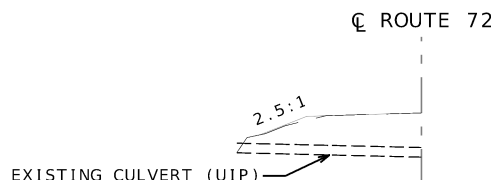
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J9P3736

CONTRACT ID.

PROJECT NO.

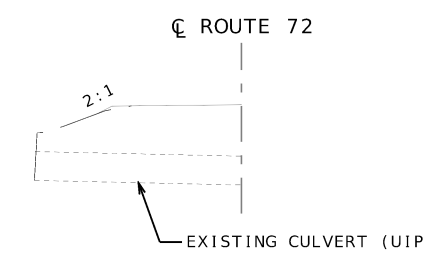
BRIDGE NO.



DETAIL A

TRANSITION FROM 3:1 SLOPE TO 2.5:1 SLOPE 25' BEFORE AND AFTER CULVERT (TYP).

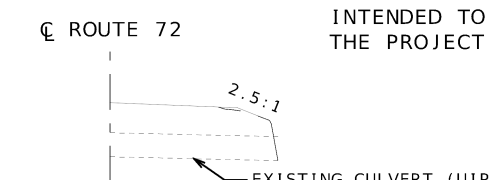
- CULVERT LOCATIONS:
 L.M. 110.581
 L.M. 113.746
 L.M. 115.422



DETAIL C

TRANSITION FROM 3:1 SLOPE TO 2:1 SLOPE 25' BEFORE AND AFTER CULVERT (TYP).

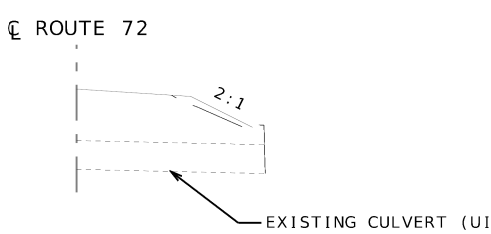
- CULVERT LOCATIONS:
 L.M. 114.683



DETAIL B

TRANSITION FROM 3:1 SLOPE TO 2.5:1 SLOPE 25' BEFORE AND AFTER CULVERT (TYP).

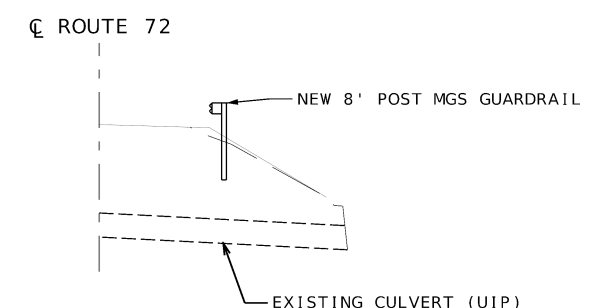
- CULVERT LOCATIONS:
 L.M. 106.598
 L.M. 111.211
 L.M. 113.127
 L.M. 114.020
 L.M. 114.552



DETAIL D

TRANSITION FROM 3:1 SLOPE TO 2:1 SLOPE 25' BEFORE AND AFTER CULVERT (TYP).

- CULVERT LOCATIONS:
 L.M. 114.683
 L.M. 115.032



DETAIL E

TRANSITION FROM 3:1 SLOPE TO 2:1 SLOPE 25' BEFORE AND AFTER CULVERT (TYP).

AT CULVERT PLACE 8FT POST MGS GUARDRAIL PER THE PLANS, FILL TO EXISTING CULVERT HEADWALL OR NEAREST SLOPE BREAKLINE, WHICHEVER IS LESS STEEP (2:1 TYP)

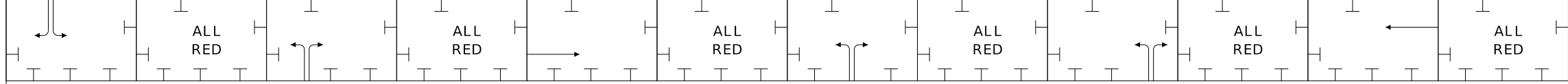
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SPECIAL SHEET
 GRADING DETAIL
 SHEET 1 OF 1

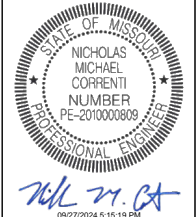
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

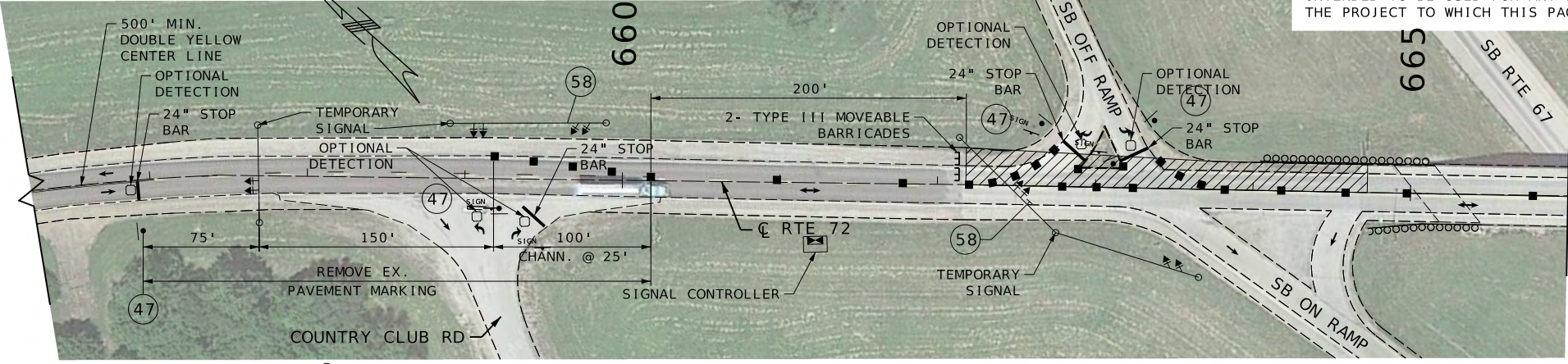
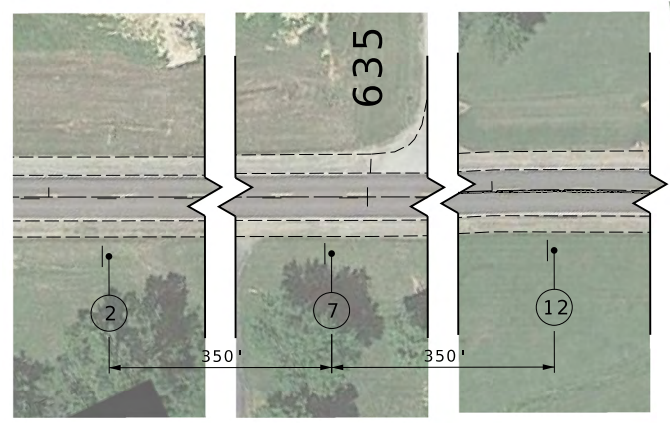
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



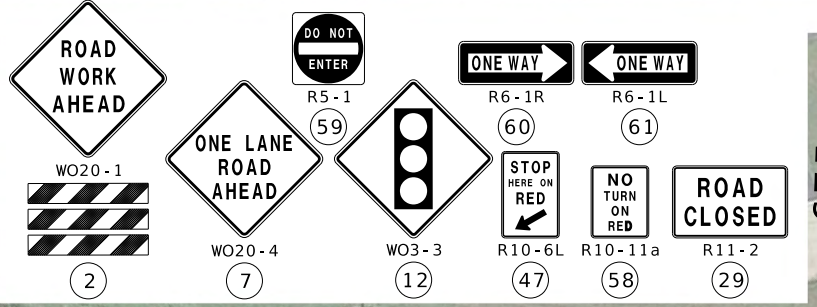
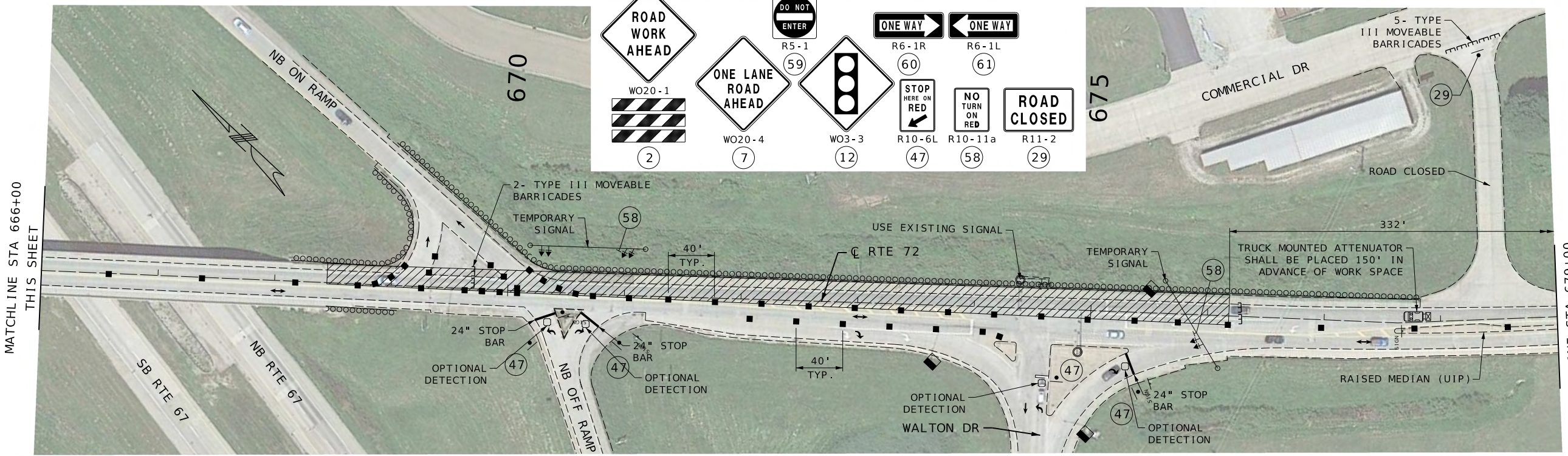
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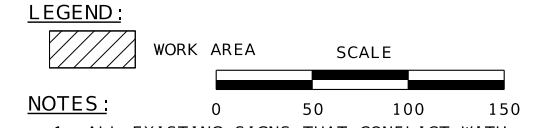
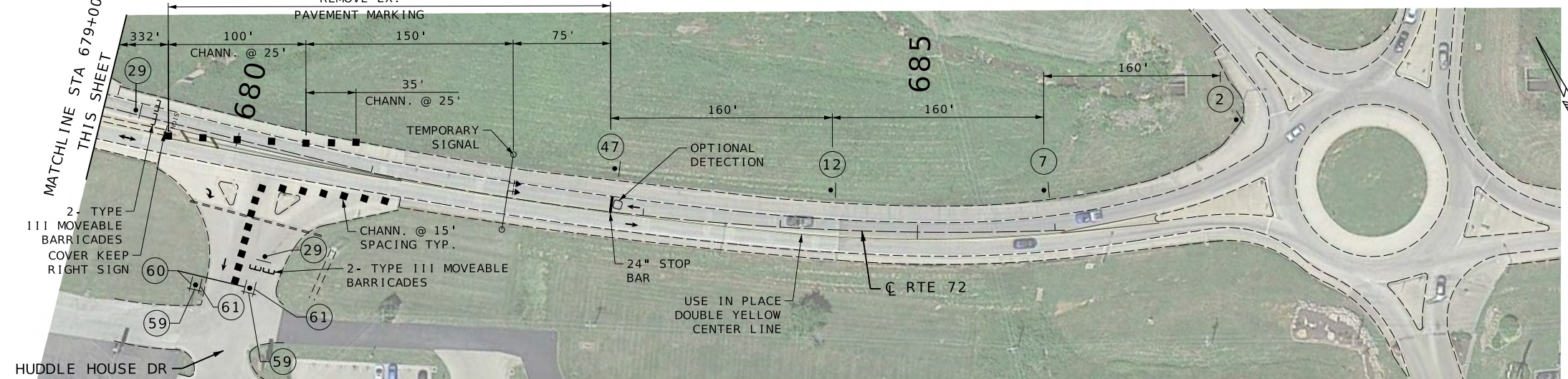
DATE PREPARED: 9/27/2024
 ROUTE: 72 STATE: MO
 DISTRICT: SE SHEET NO.: 24
 COUNTY: IRON/MADISON
 JOB NO.: J9P3736
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:



MATCHLINE STA 666+00
THIS SHEET



MATCHLINE STA 679+00
THIS SHEET



- NOTES:
- ALL EXISTING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL SHALL BE COVERED AT NO DIRECT PAY.
 - ALL EXISTING SIGNAL HEADS NOT IN USE SHALL BE COVERED AT NO DIRECT PAY.
 - SEE SIDE ROAD TYPICAL SIGNING SHEET FOR MORE INFORMATION.
 - CYCLE LENGTHS MAY BE DYNAMICALLY ADJUSTED BY THE CONTROLLER BASED ON TRAFFIC VOLUMES DETECTED AT EACH APPROACH.

TRAFFIC CONTROL
 EASTBOUND LANE CLOSURE
 SHEET 1 OF 6

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

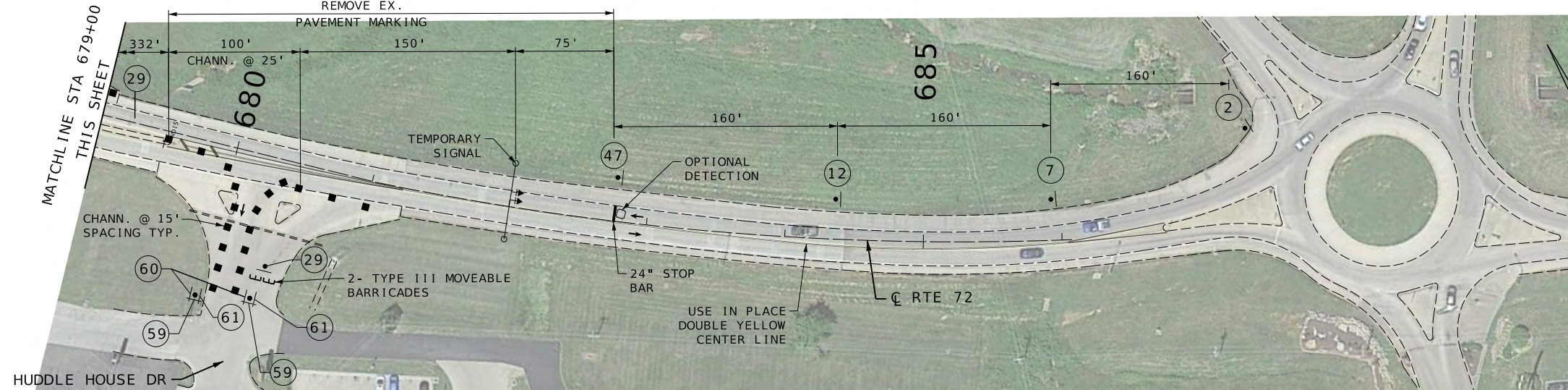
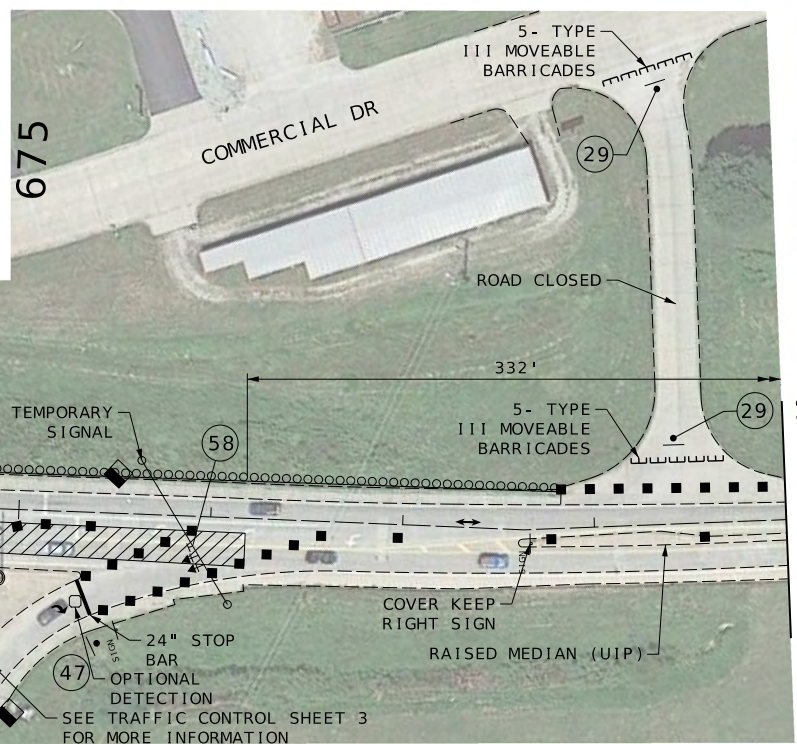
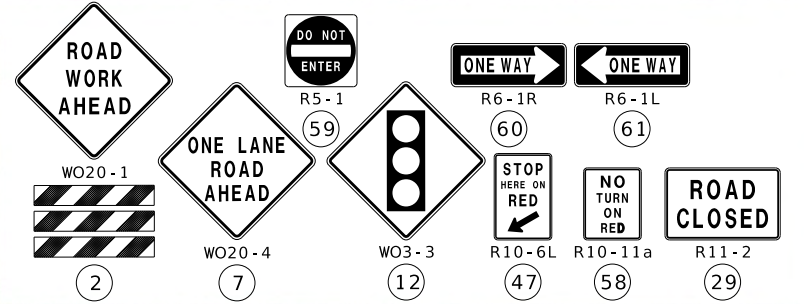
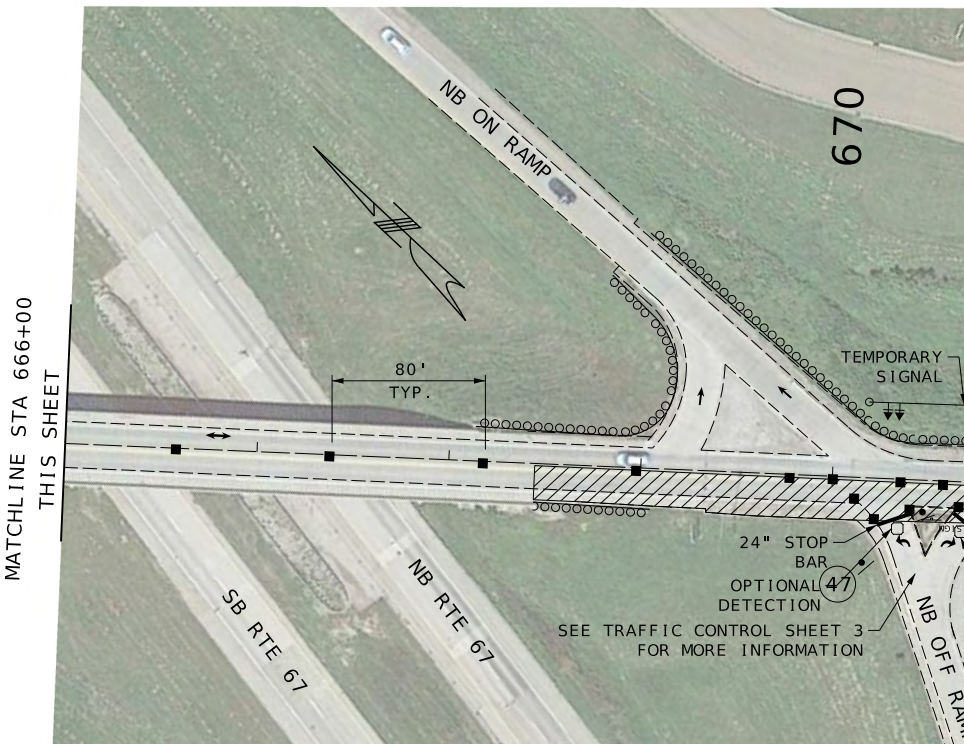
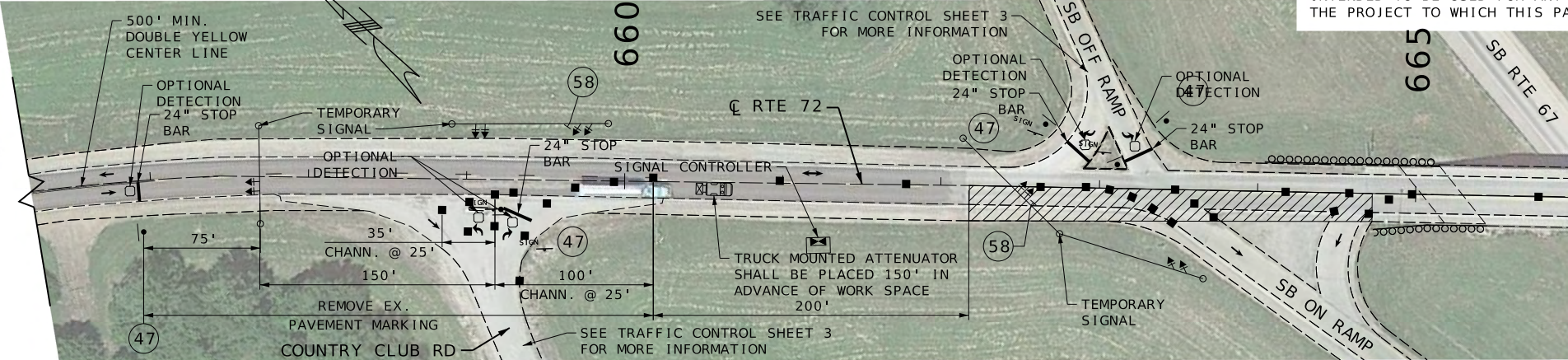
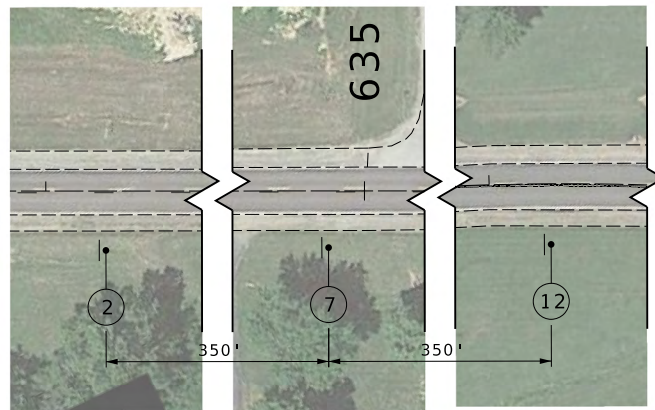
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Nicholas Michael Correnti - Civil
MO PE 2010000809

DATE PREPARED
9/27/2024
ROUTE STATE
72 MO
DISTRICT SHEET NO.
SE 25
COUNTY
IRON/MADISON
JOB NO.
J9P3736
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



LEGEND:



NOTES:

1. ALL EXISTING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL SHALL BE COVERED AT NO DIRECT PAY.
2. ALL EXISTING SIGNAL HEADS NOT IN USE SHALL BE COVERED AT NO DIRECT PAY.
3. SEE SIDE ROAD TYPICAL SIGNING SHEET FOR MORE INFORMATION.
4. SEE PREVIOUS STAGE FOR SIGNAL PHASING SCALE



TRAFFIC CONTROL
WESTBOUND LANE CLOSURE
SHEET 2 OF 6

DATE	DESCRIPTION

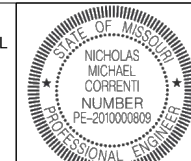
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ROUTE STATE
72 MO

DISTRICT SHEET NO.
SE 26

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

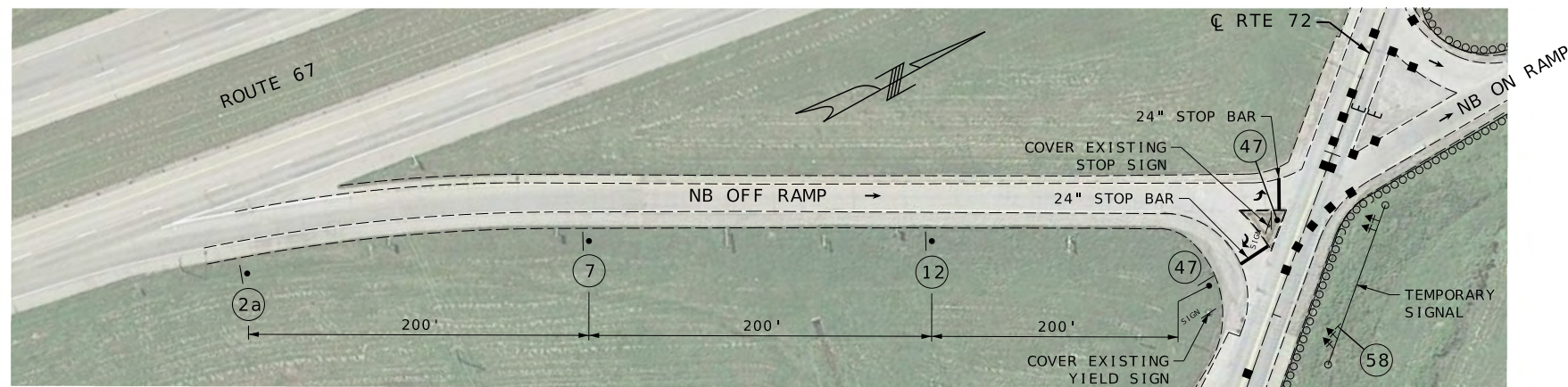
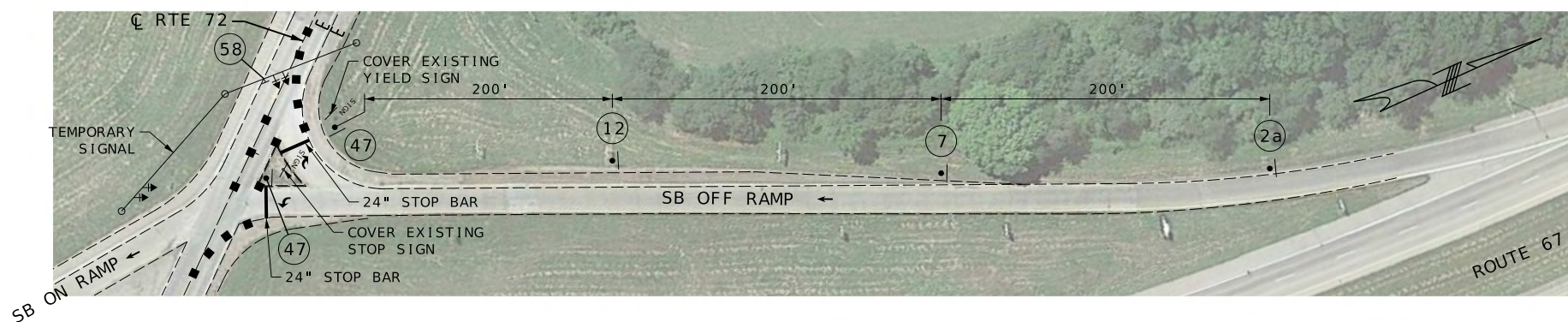
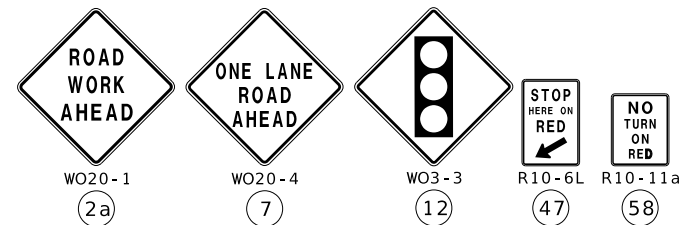
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DATE

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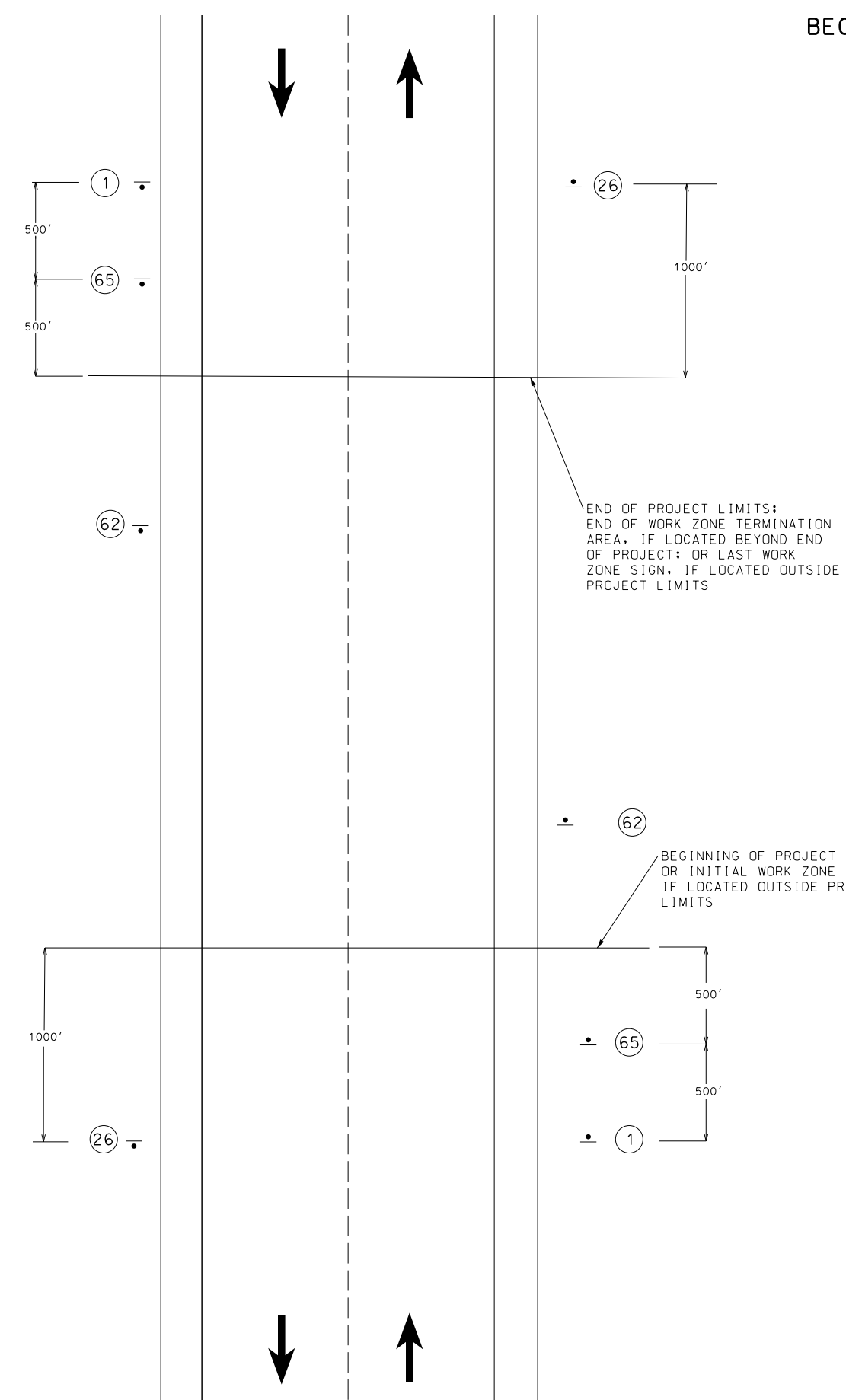
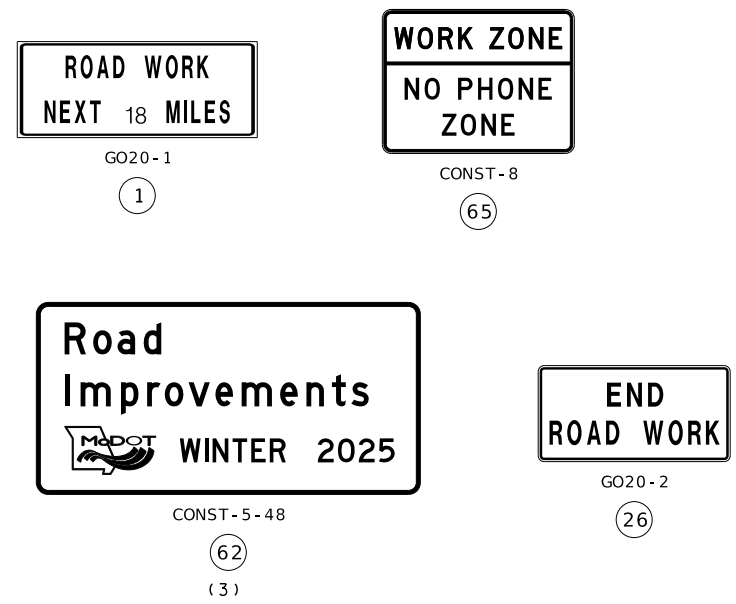
TRAFFIC CONTROL
SIDE ROADS
SHEET 3 OF 6

BEGIN/END OF PROJECT SIGNING FOR UNDIVIDED TWO-LANE

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IRON/MADISON

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J9P3736

CONTRACT ID.
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BRIDGE NO.
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- NOTES:
- (1) THE CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COVERING OR REMOVING ALL EXISTING SIGNING, PAVEMENT MARKING, OR SIGNALS THAT CONFLICTS WITH THE TEMPORARY TRAFFIC CONTROL
 - (2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS OCCUR OR ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING ADDITIONAL SIGNING.
 - (3) THE CONTRACTOR SHALL INSTALL SIGN 62 IN A VISIBLE AREA WITHIN THE PROJECT LIMITS THAT DOES NOT DISRUPT THE SEQUENCE OF OTHER WORK ZONE SIGNS. IF THIS LOCATION CANNOT BE FOUND WITHIN THE PROJECT, THE CONTRACTOR MAY INSTALL THE SIGN 500 FEET PRIOR TO SIGN 1.
 - (4) SEE STANDARD PLAN 620.10 FOR PLACEMENT OF NO CENTER LINE, UNEVEN PAVEMENT, BUMP, AND SHOULDER DROP-OFF SIGNS.

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TRAFFIC CONTROL SHEET 4 OF 6

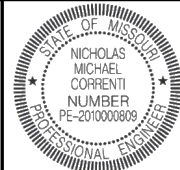
NOT TO SCALE

STATIONARY LANE CLOSURE USING FLAGGERS ON TWO-LANE ROAD

WORK ZONE

GO20-5aP

(54)



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ROUTE 72 STATE MO

DISTRICT SE SHEET NO. 28

COUNTY IRON/MADISON

JOB NO. J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

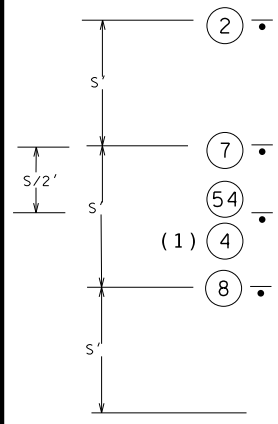
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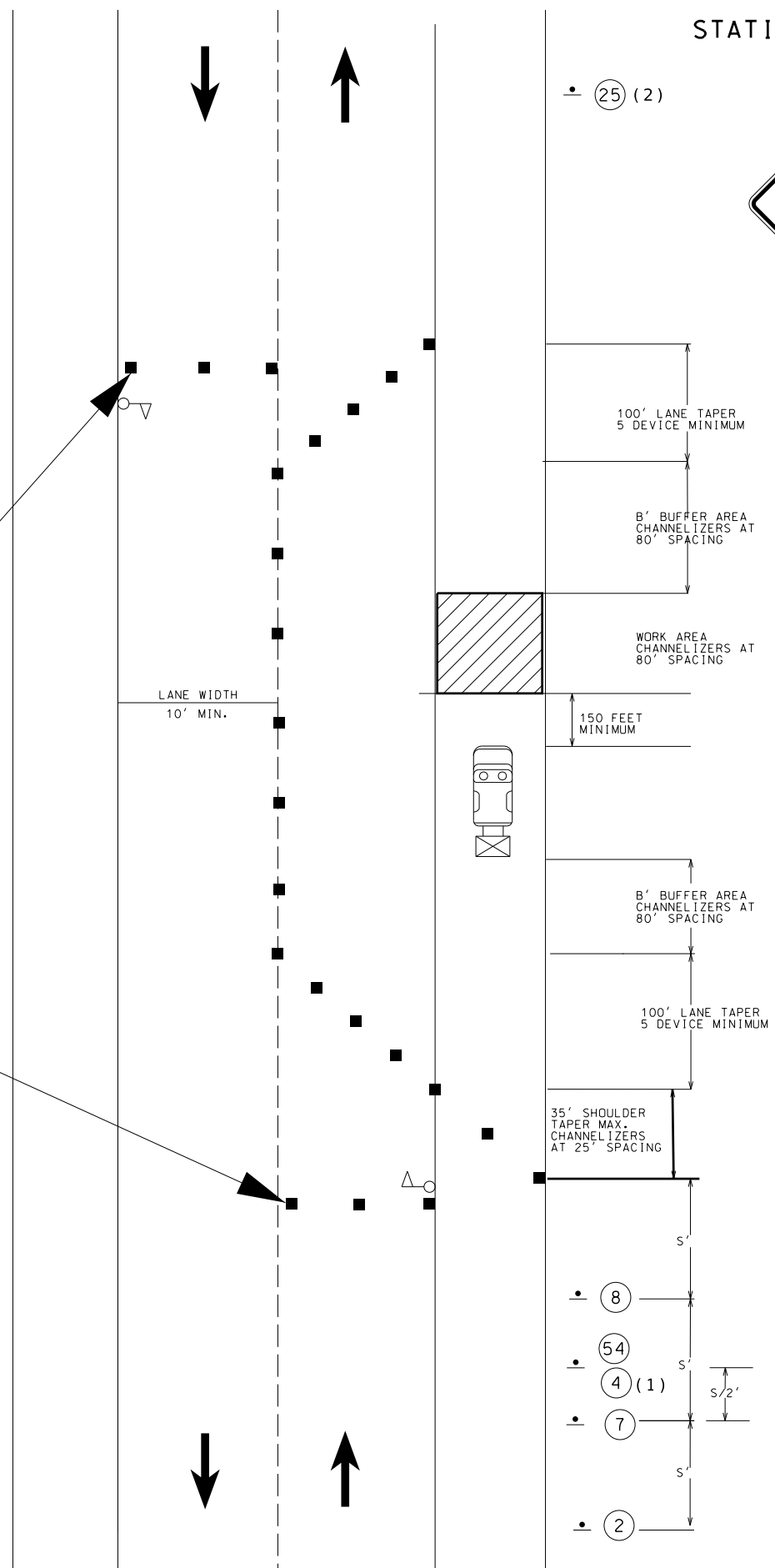
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3-2-1 CONE PROCEDURE

3-2-1 CONE PROCEDURE



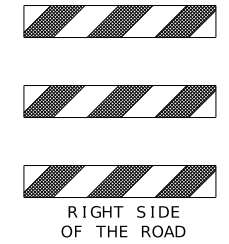
NOT TO SCALE



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ◡ FLAGGER
- ▨ WORK SPACE
- 🚚 PROTECTIVE VEHICLE WITH TMA AND FLASHING ARROW PANEL

ADVANCE WARNING RAIL SYSTEM



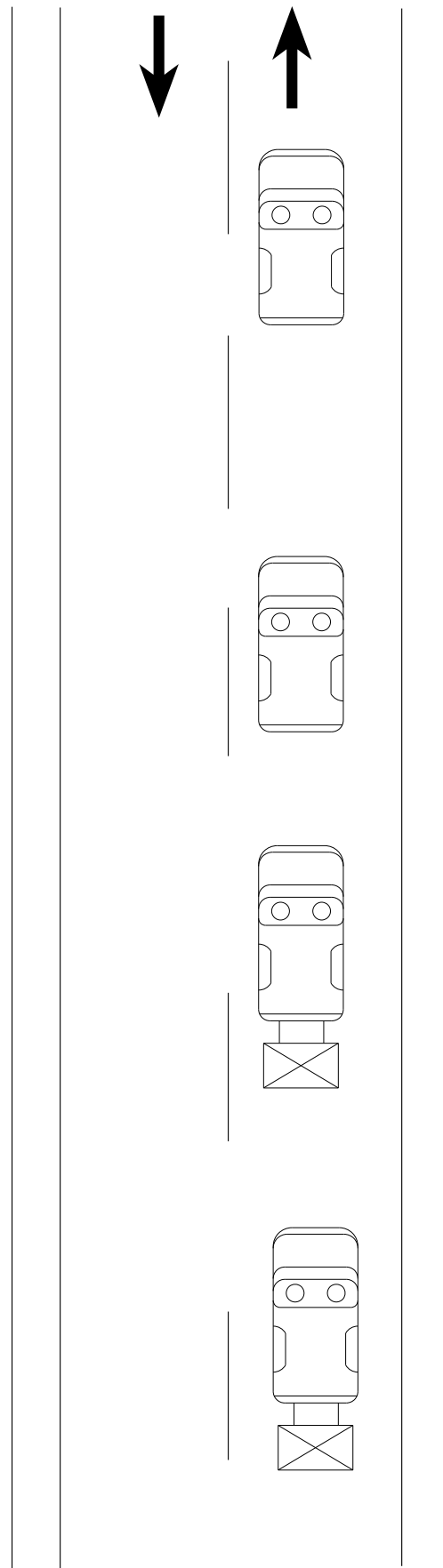
POSTED SPEED (ENTERING WORK ZONE)	SIGN SPACING (S)	BUFFER LENGTH (B)
45 MPH	350'	360'
55 MPH	500'	495'

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- 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 AT NO DIRECT PAY. THE STATION SHALL BE ILLUMINATED WITH AN AVERAGE 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.
 - (1) WORK ZONE SPEED LIMIT (SIGN 4) SHALL BE 10MPH REDUCTION IN POSTED SPEED ENTERING WORK ZONE (35 MPH MIN. WORK ZONE SPEED LIMIT)
 - (2) RESUME POSTED SPEED (SIGN 25) SHALL MATCH THE POSTED SPEED AT DOWNSTREAM END OF THE WORK ZONE.

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**STRIPING OPERATION
ON A TWO-LANE HIGHWAY**

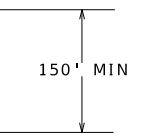


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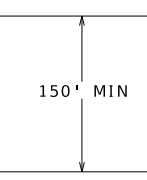
FRONT ADVANCED
WARNING TRUCK



STRIPER



PROTECTIVE VEHICLE
(REQUIRED)



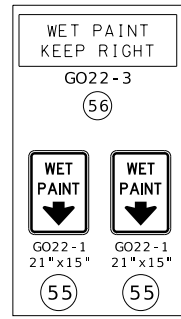
DRY POINT VEHICLE
(REQUIRED)



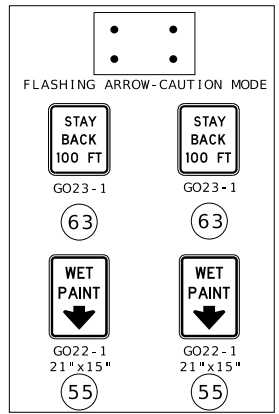
FRONT OF
THE TRUCK



BACK OF
THE TRUCK



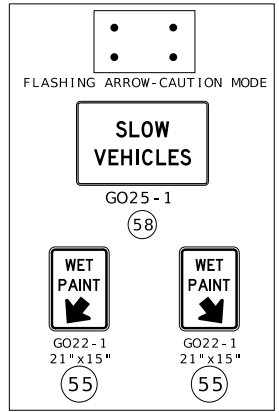
FRONT OF
THE TRUCK



BACK OF
THE TRUCK



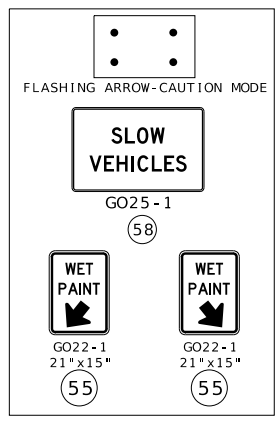
FRONT OF
THE TRUCK



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

NOTES:

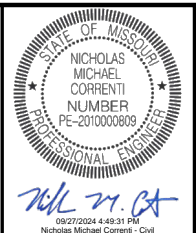
ALL VEHICLE SHALL HAVE HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ACTIVATED FOR THE DURATION OF THE WORK ZONE. (NO DIRECT PAY)

THE CONTRACTOR SHALL INSTALL ANY VEHICLE MOUNTED SIGNING AT THE RECOMMENDED HEIGHT OF 48 INCHES ABOVE THE ROAD,

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

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COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

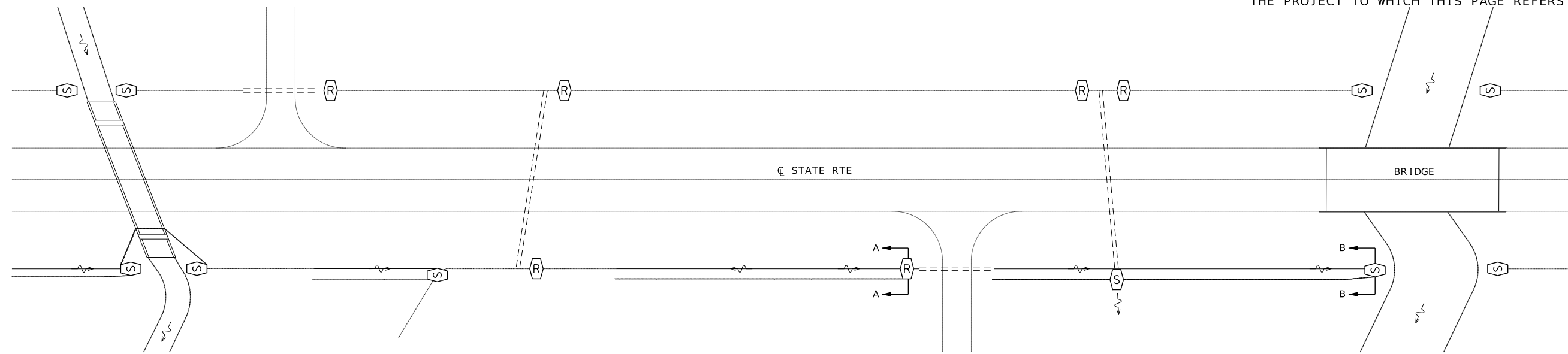
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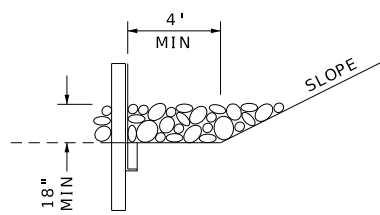
TRAFFIC CONTROL
SHEET 6 OF 6

TYPICAL APPLICATION OF EROSION CONTROL ITEMS

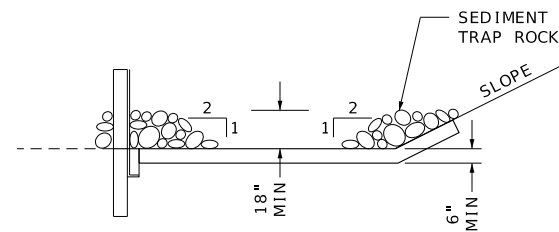
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SILT FENCE TIE IN



SECTION A-A
 ROCK DITCH CHECK



SECTION B-B
 SEDIMENT TRAP

NOTES:

SEDIMENT TRAP LOCATIONS SHALL INCLUDE CULVERT OUTLETS AND DITCHES WHERE WATER EXITS R/W OR PRIOR TO ENTERING A STREAM, AS DIRECTED BY THE ENGINEER. SEE EROSION CONTROL SHEET 2 FOR ADDITIONAL DETAILS.




ROCK DITCH CHECKS SHALL BE PLACED UPSTREAM OF ANY DW OR CROSSROAD CULVERT AND ANY ADDITIONAL LOCATIONS, AS DIRECTED BY THE ENGINEER.

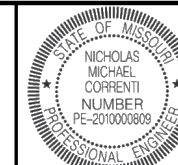
USE SILT FENCE IN AREAS WITH NO DEFINED DITCH WHERE WATER EXITS R/W AND TIE ENDS INTO NEARBY ROCK DITCH CHECK OR SEDIMENT TRAP.

SEE STD 806.10 FOR ADDITIONAL DETAILS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TEMPORARY EROSION CONTROL LEGEND

-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  SILT FENCE



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COUNTY

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JOB NO.

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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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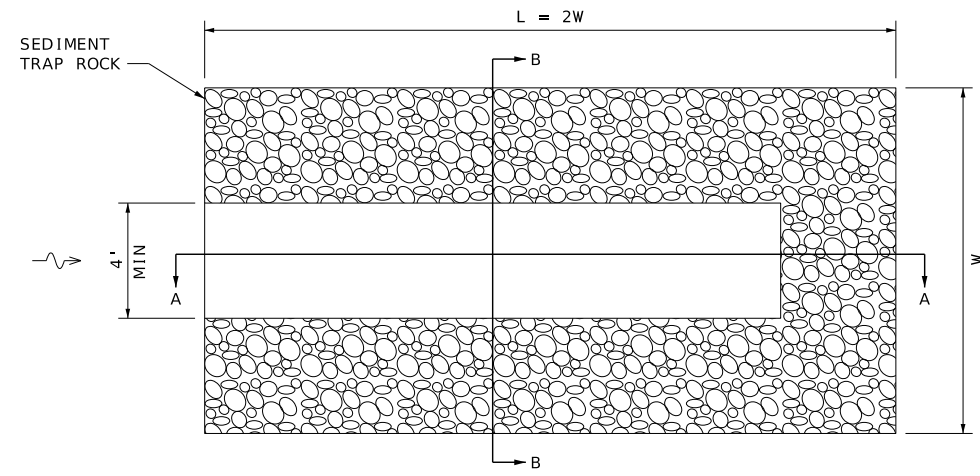
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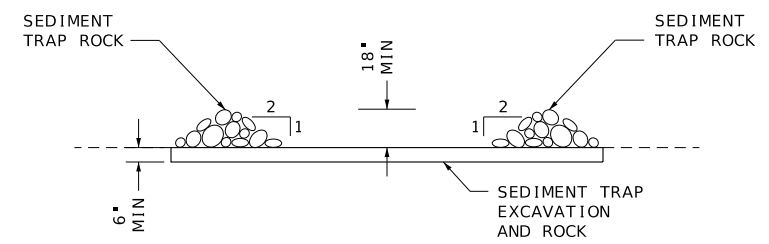
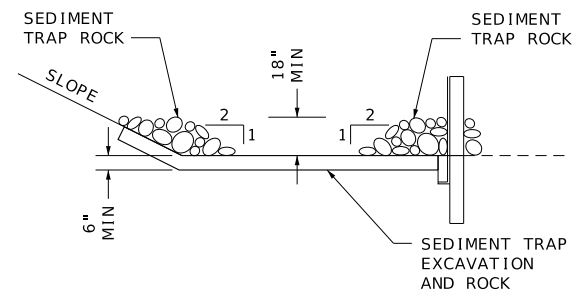
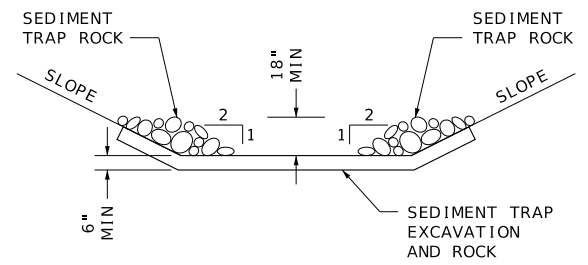
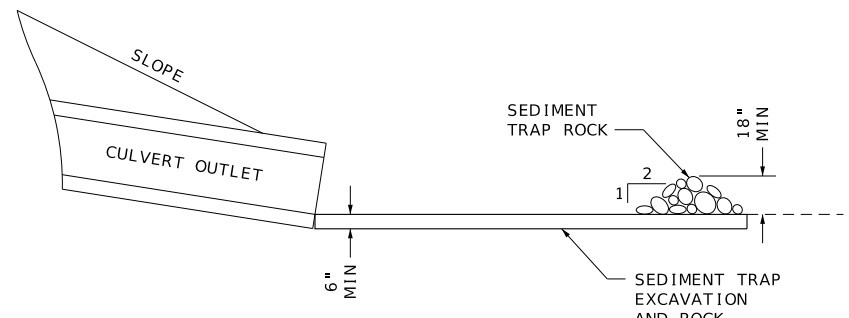
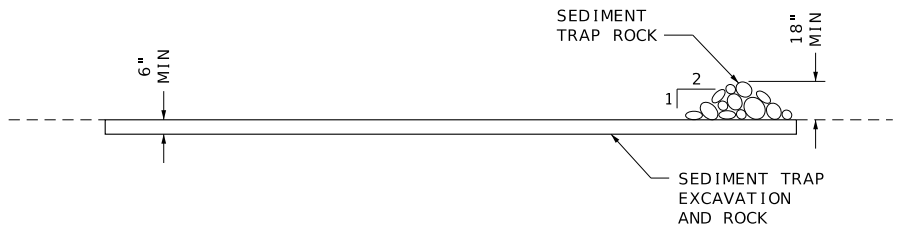
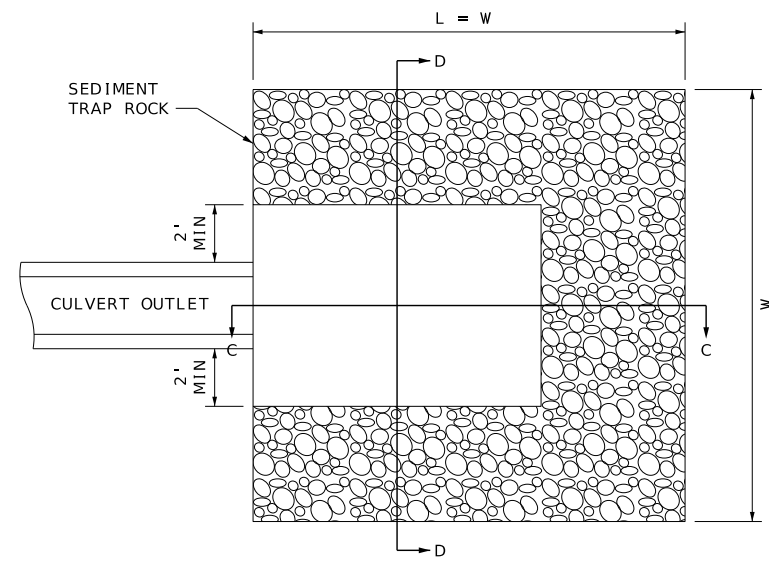
ERROSION CONTROL
 SHEET 1 OF 2

SEDIMENT TRAP DETAIL

DITCH/SLOPE OUTLET



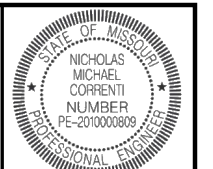
CULVERT OUTLET



NOTES:
 LOCATIONS SHALL INCLUDE CULVERT OUTLETS AND DITCHES WHERE WATER EXITS RW OR PRIOR TO ENTERING A STREAM, AS DIRECTED BY THE ENGINEER.
 DIMENSIONS MAY BE ADJUSTED TO FIT WITHIN R/W, AS APPROVED BY ENGINEER.
 LOCATIONS WITHIN THE CLEAR ZONE SHALL BE REMOVED OR LEVELED AFTER VEGETATION HAS BEEN ESTABLISHED PROVIDING SUFFICIENT PROTECTION OF THE DITCH OR SWALE, AS APPROVED BY ENGINEER.
 SEE STD 806.10 FOR ADDITIONAL DETAILS.
 DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

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ERROSION CONTROL
 SHEET 2 OF 2



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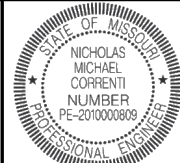
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ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 31
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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72 MO

DISTRICT SHEET NO.
SE 32

COUNTY
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J9P3736

CONTRACT ID.

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BRIDGE NO.

DESCRIPTION

DATE

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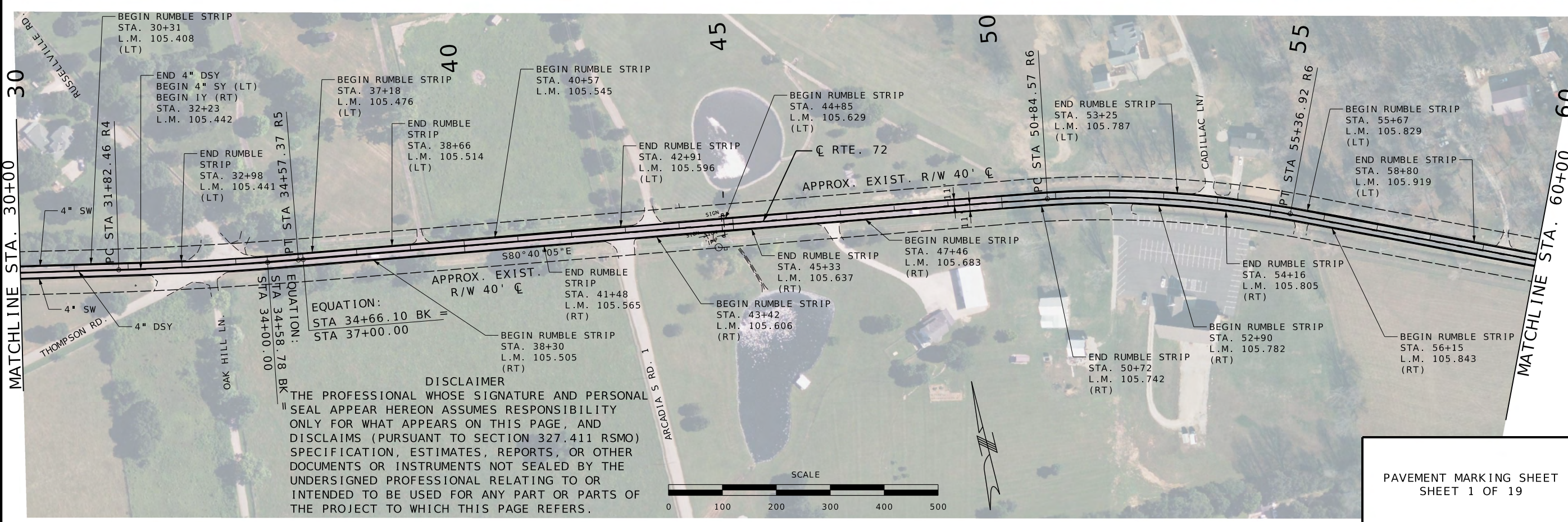
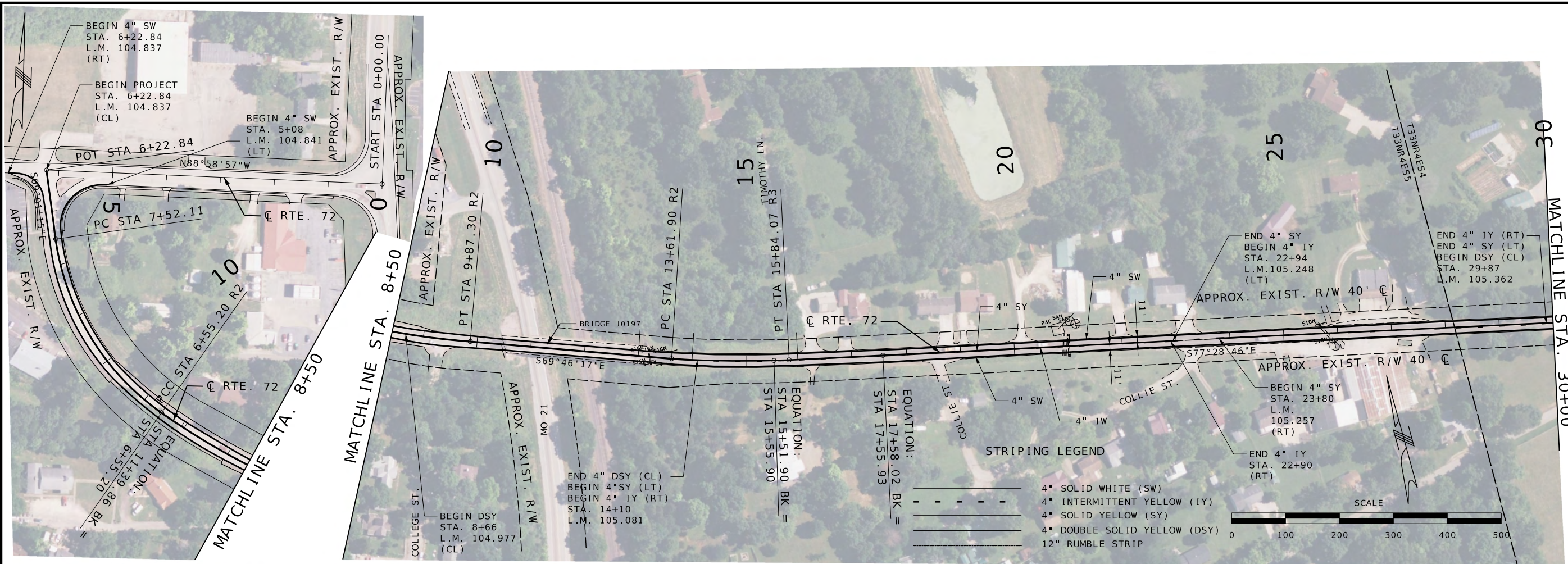
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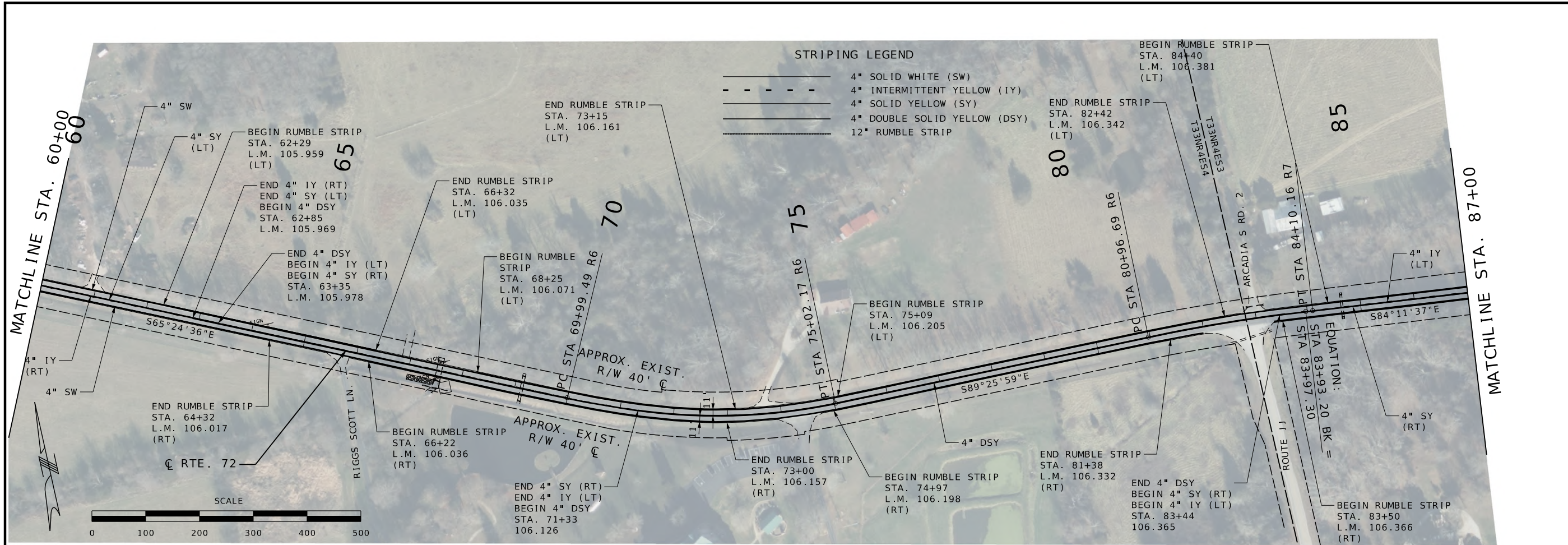


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PAVEMENT MARKING SHEET
SHEET 1 OF 19

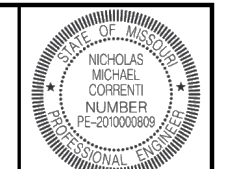
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STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (IY)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	12" RUMBLE STRIP



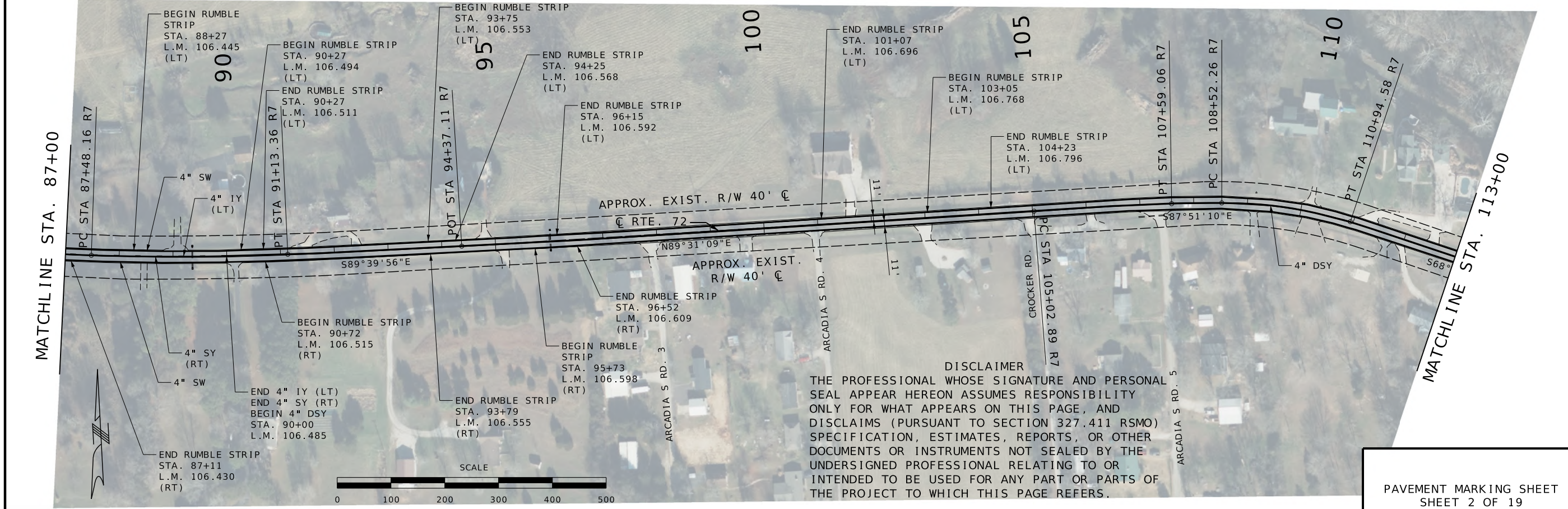
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9/27/2024

ROUTE 72 STATE MO
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COUNTY IRON/MADISON
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CONTRACT ID.

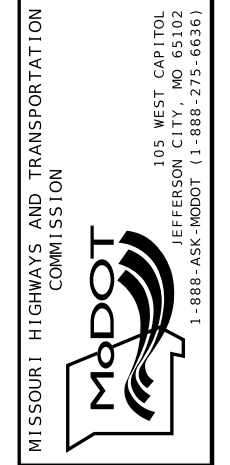
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

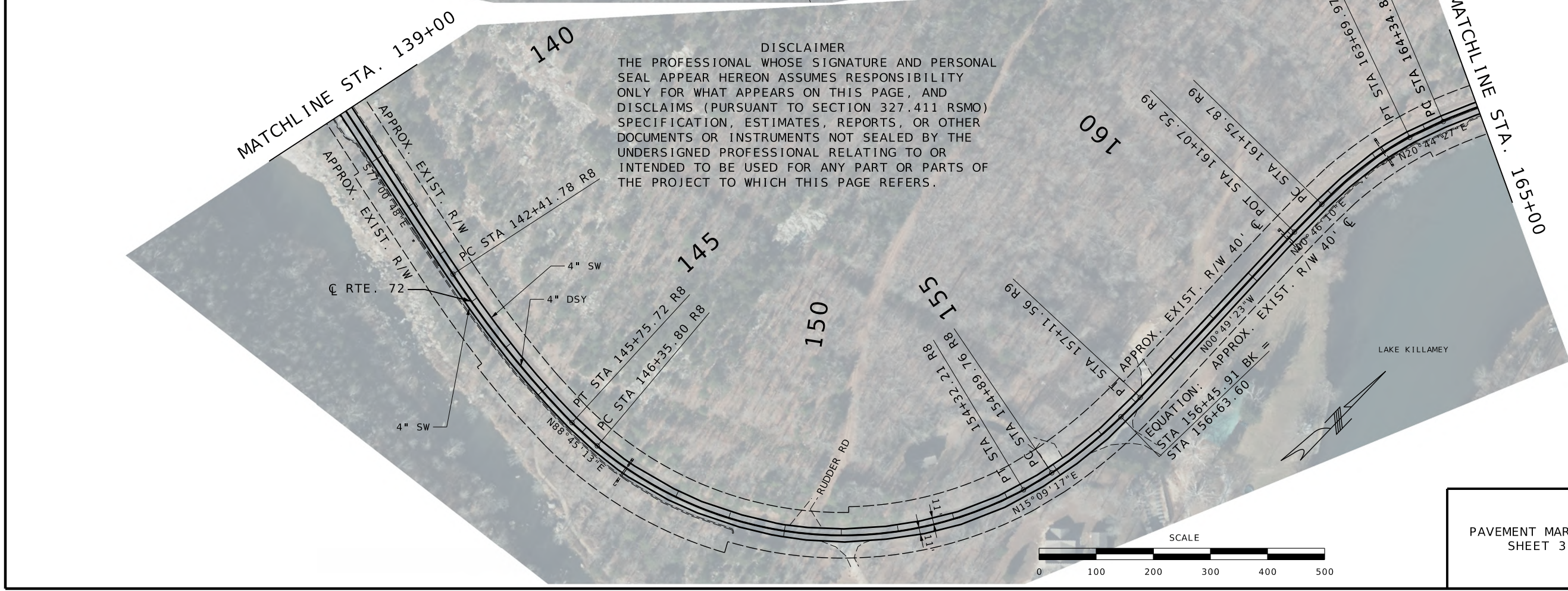


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PAVEMENT MARKING SHEET
SHEET 2 OF 19



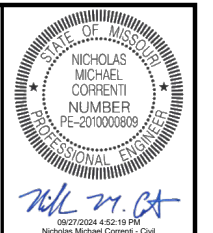
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STRIPING LEGEND

4" SOLID WHITE (SW)
4" INTERMITTENT YELLOW (IY)
4" SOLID YELLOW (SY)
4" DOUBLE SOLID YELLOW (DSY)
12" RUMBLE STRIP



DATE PREPARED
 9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 34

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

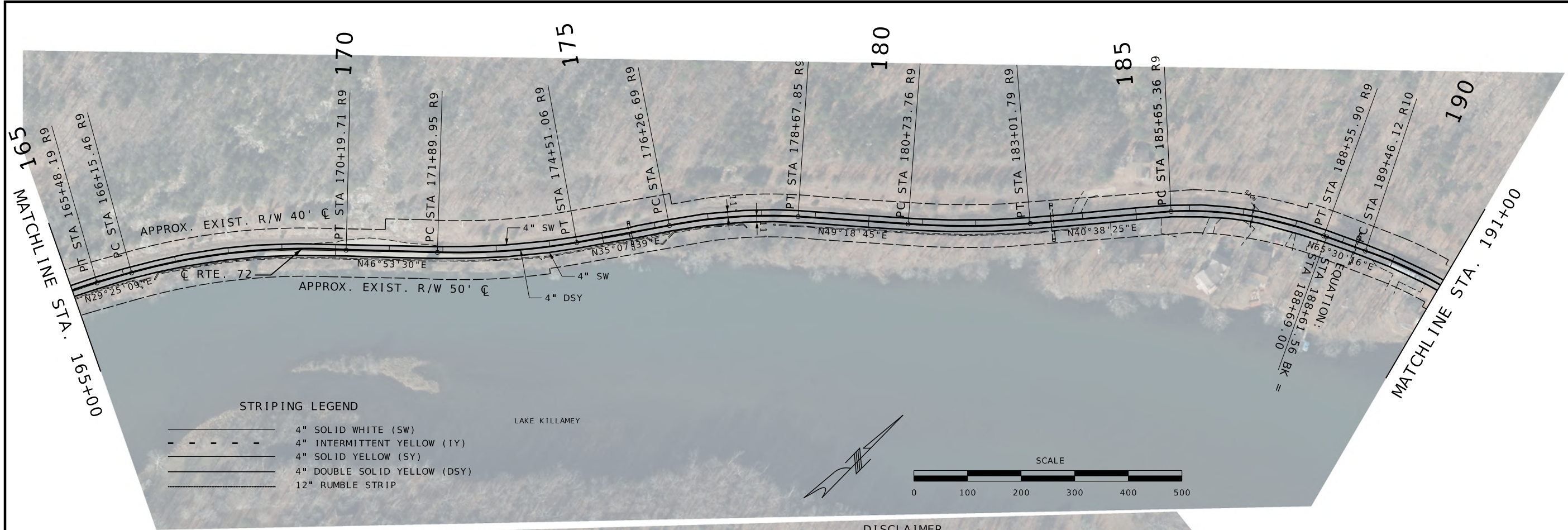
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

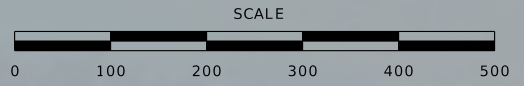
EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

PAVEMENT MARKING SHEET
 SHEET 3 OF 19

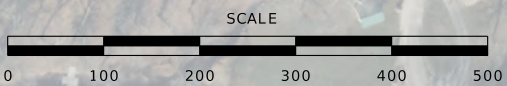
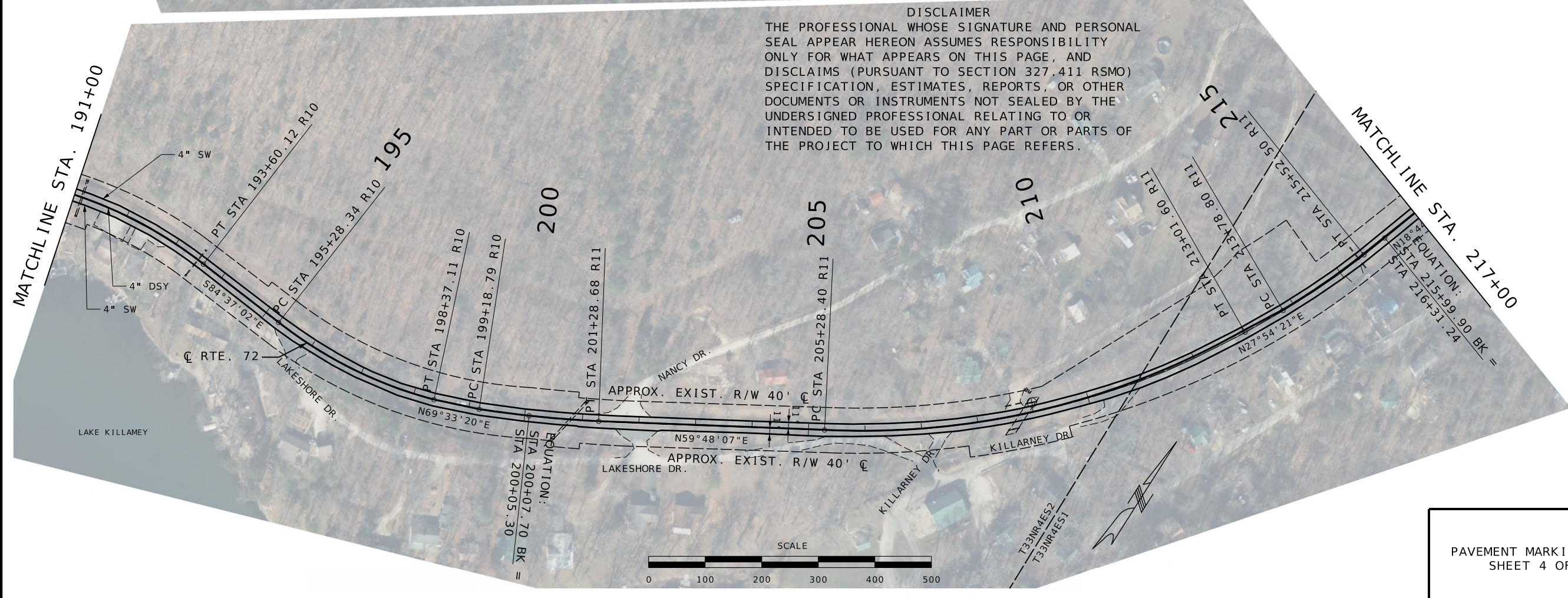


STRIPING LEGEND

4" SOLID WHITE (SW)
4" INTERMITTENT YELLOW (IY)
4" SOLID YELLOW (SY)
4" DOUBLE SOLID YELLOW (DSY)
12" RUMBLE STRIP



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PAVEMENT MARKING SHEET
 SHEET 4 OF 19



N. M. Correnti
 09/27/2024 4:52:43 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED 9/27/2024	
ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 35
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

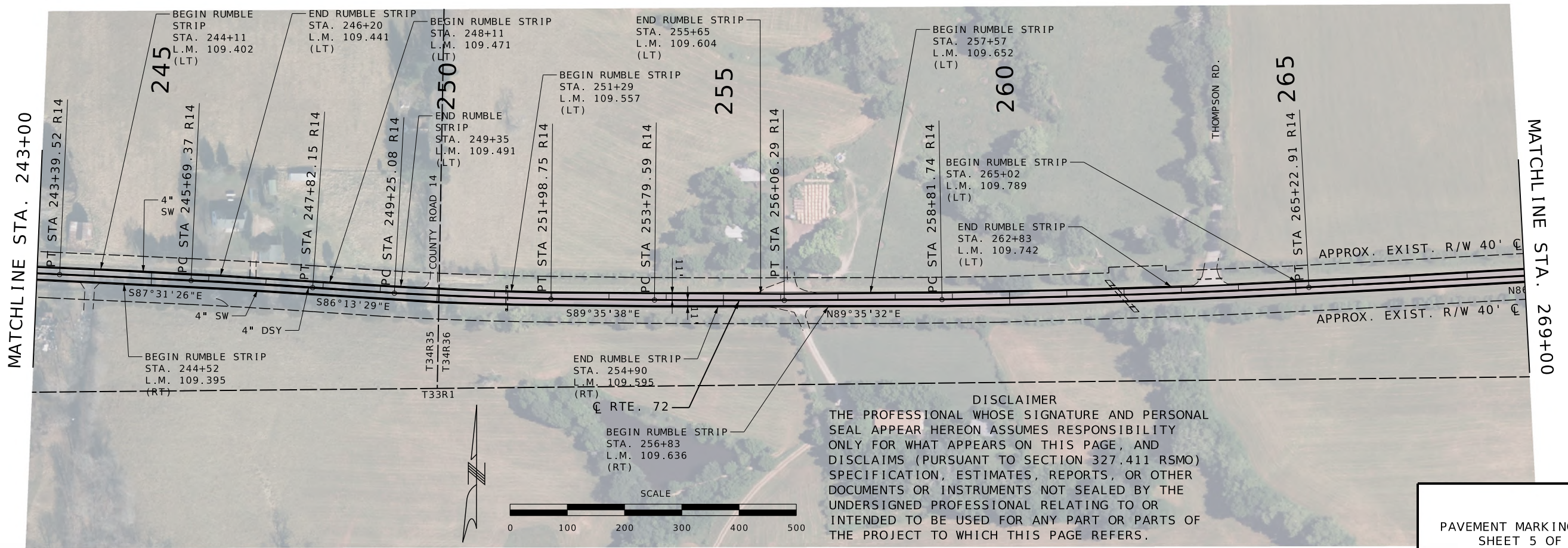
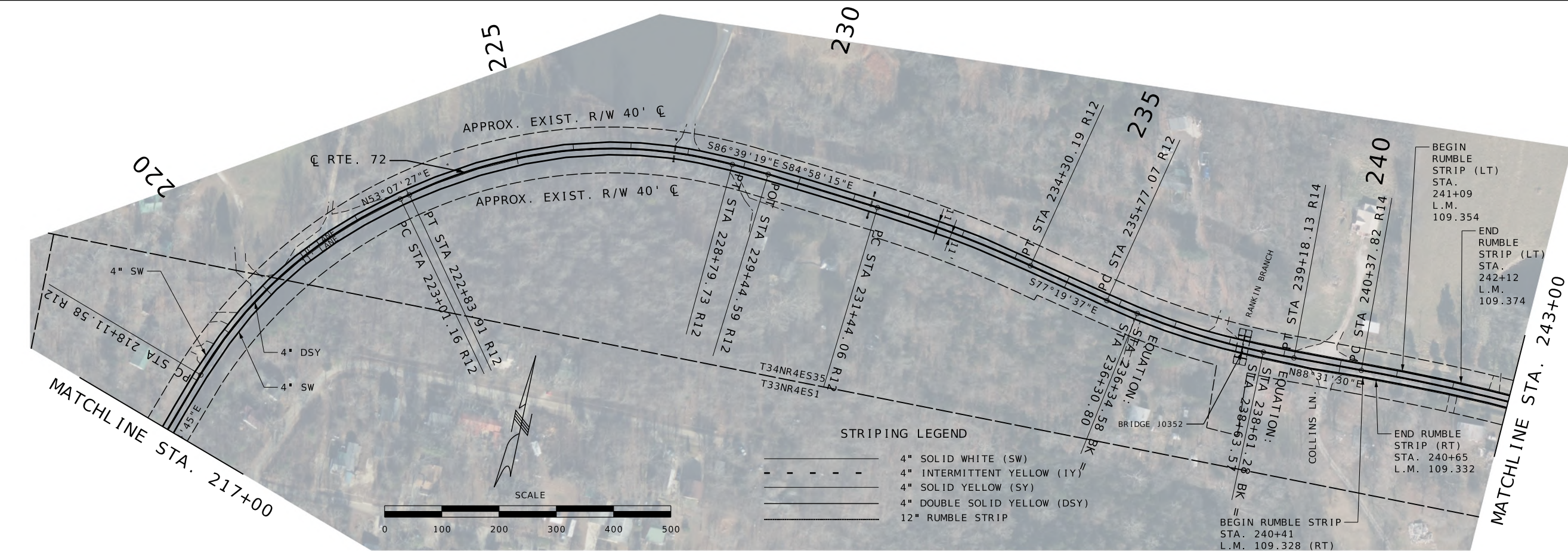
 105 WEST CAPITOL
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N.M.C.
DATE PREPARED
9/27/2024 4:53:00 PM
Nicholas Michael Correnti, Civil
MO PE-2010000809

DATE PREPARED	9/27/2024	
ROUTE	STATE	
72	MO	
DISTRICT	SHEET NO.	
SE	36	
COUNTY	IRON/MADISON	
JOB NO.	J9P3736	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		



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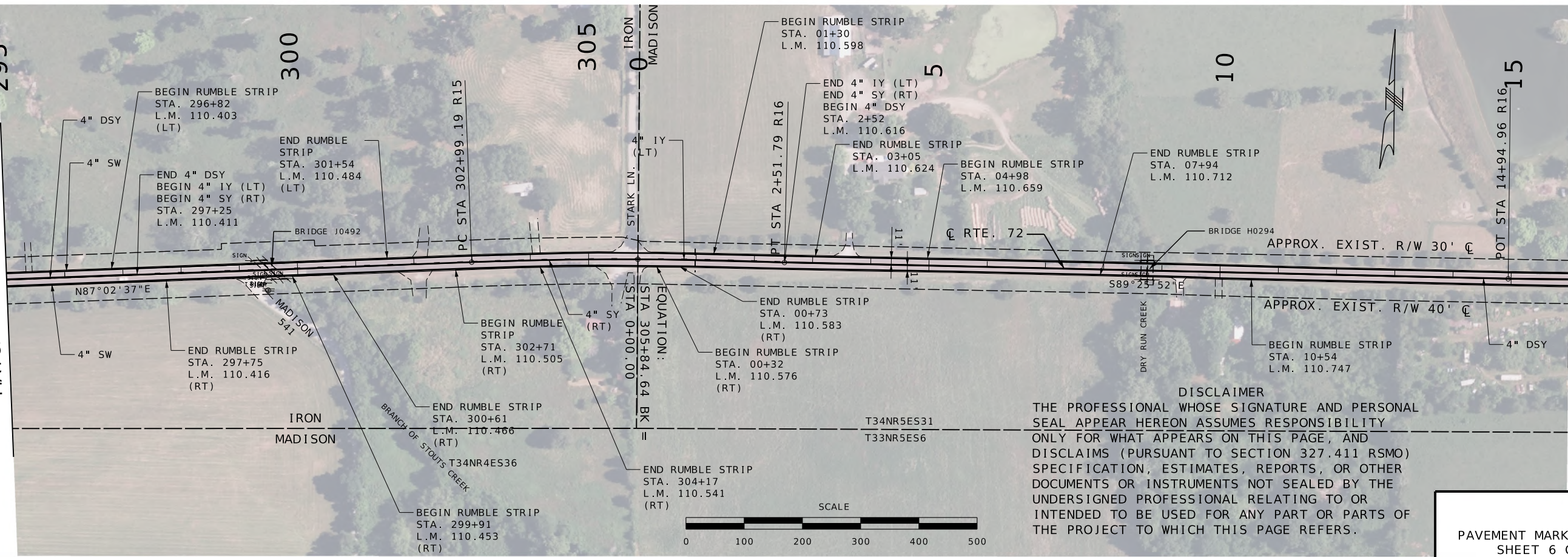
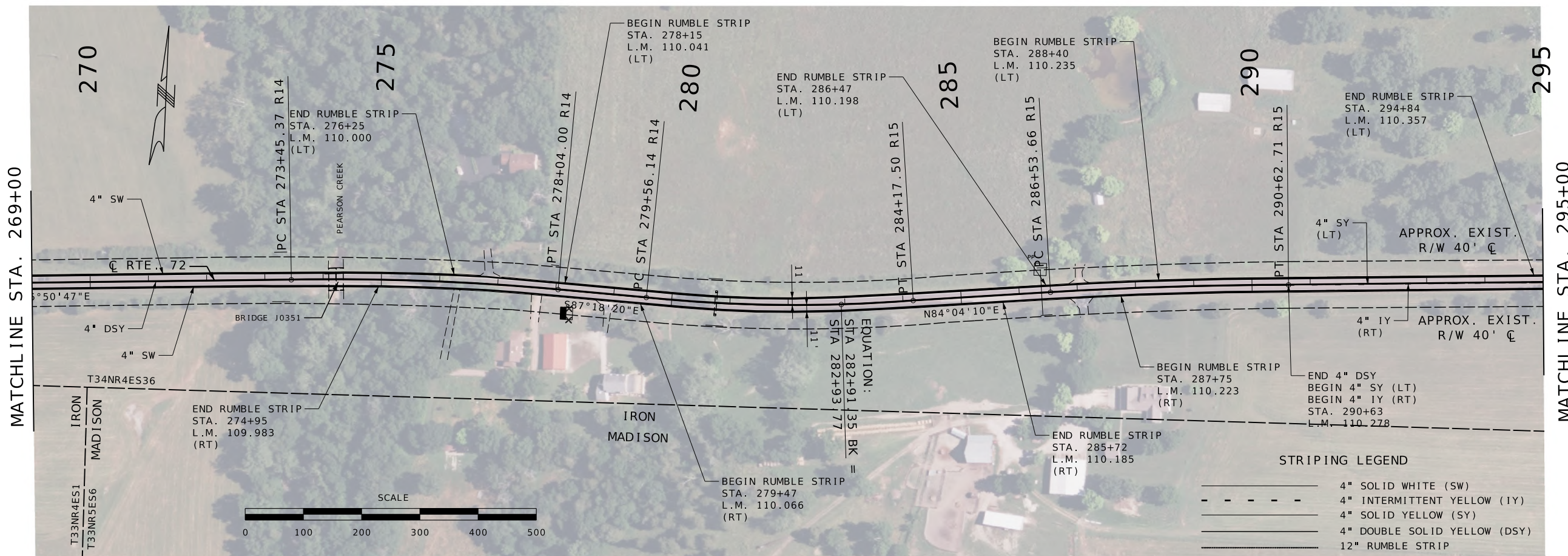
PAVEMENT MARKING SHEET
SHEET 5 OF 19

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

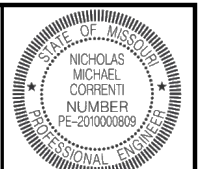
105 WEST CAPITOL
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PAVEMENT MARKING SHEET
 SHEET 6 OF 19



N.M. Correnti
 09/27/2024 4:53:31 PM
 Nicholas Michael Correnti, Civil
 MO PE-2010000809

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9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 37
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

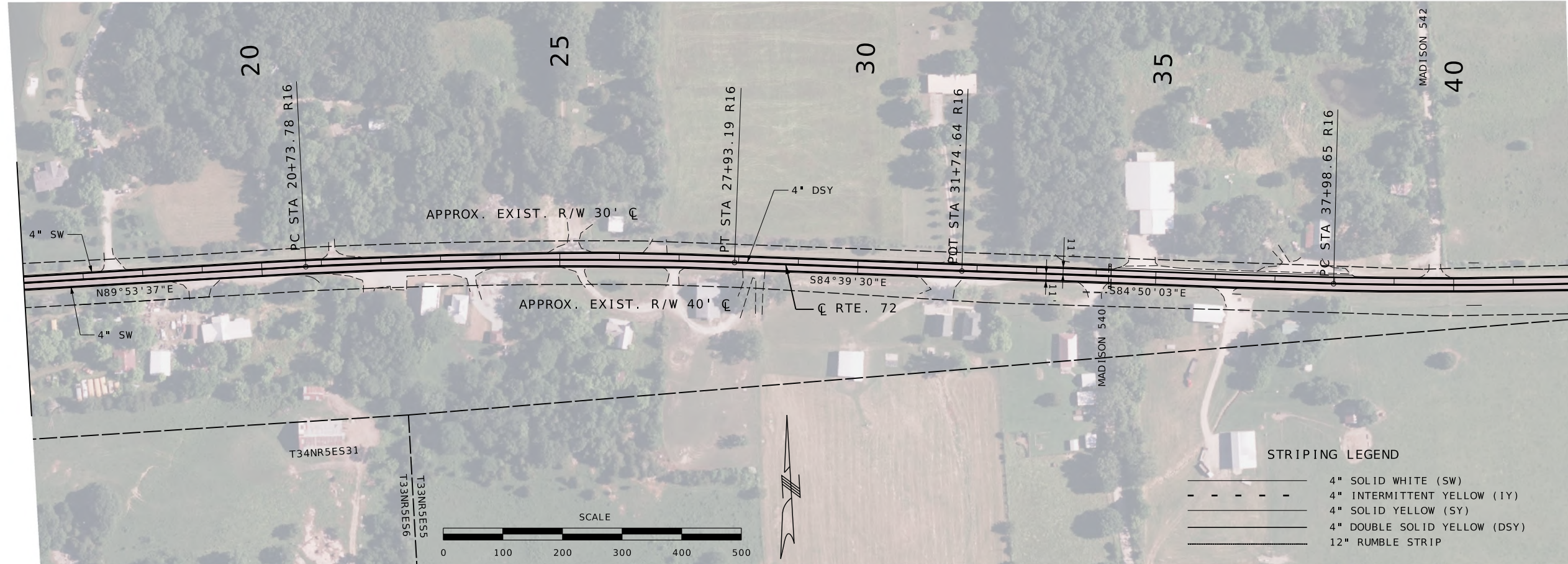
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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 St. Louis, MO 63021
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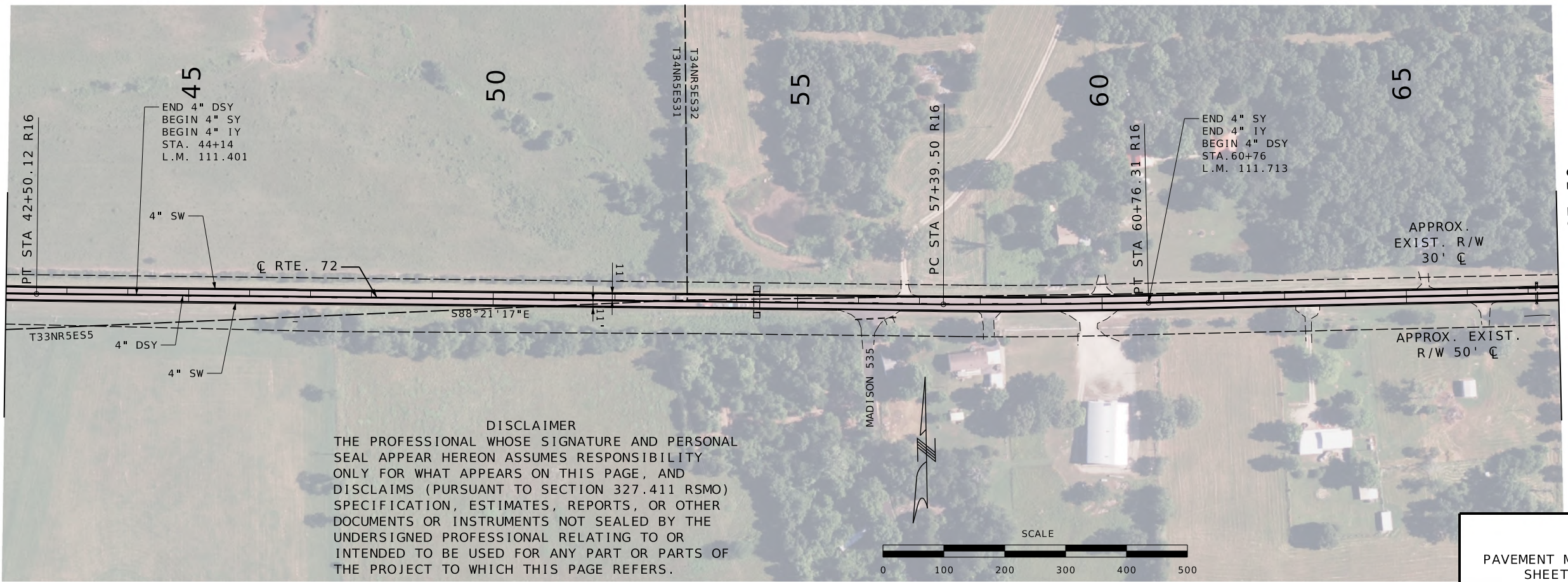
MATCHLINE STA. 16+00



STRIPING LEGEND

—	4" SOLID WHITE (SW)
- - -	4" INTERMITTENT YELLOW (IY)
— — —	4" SOLID YELLOW (SY)
— — — —	4" DOUBLE SOLID YELLOW (DSY)
— — — — —	12" RUMBLE STRIP

MATCHLINE STA. 42+00

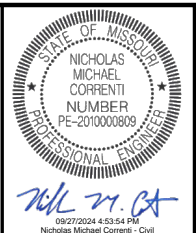


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MATCHLINE STA. 42+00

MATCHLINE STA. 67+50

PAVEMENT MARKING SHEET
 SHEET 7 OF 19



DATE PREPARED
 9/27/2024

ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	38

COUNTY
 IRON/MADISON

JOB NO.
 J9P3736

CONTRACT ID.

PROJECT NO.

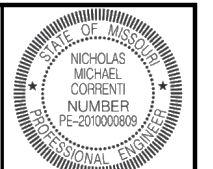
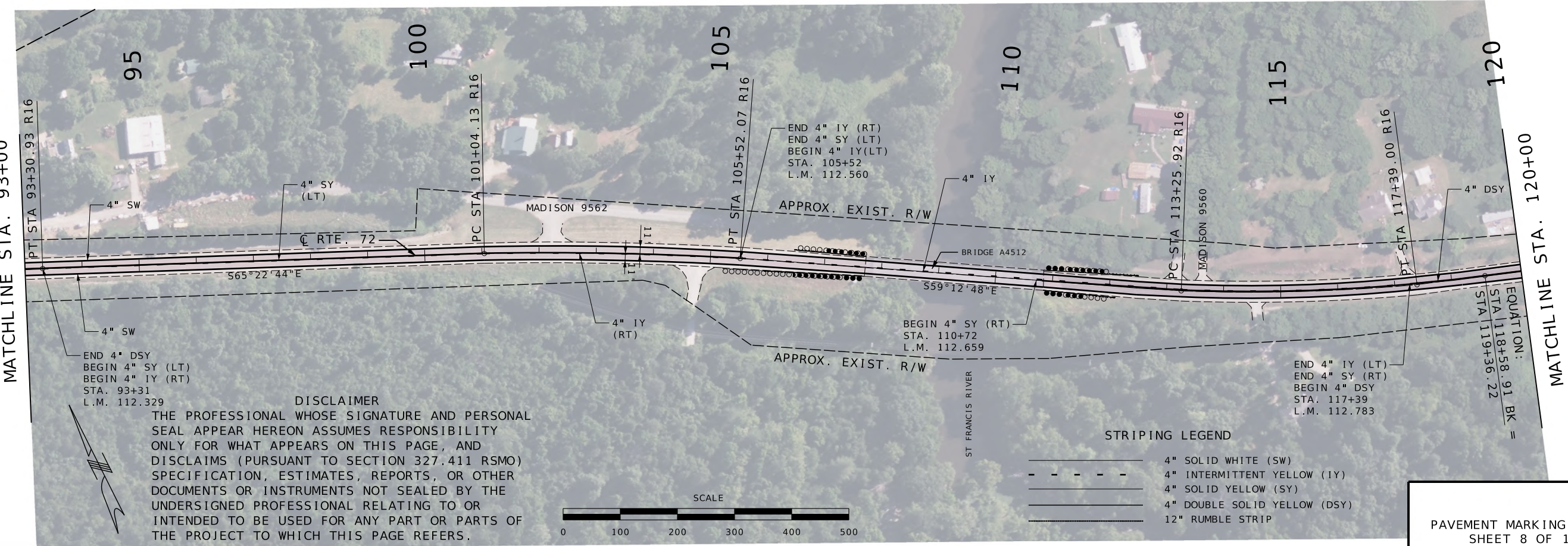
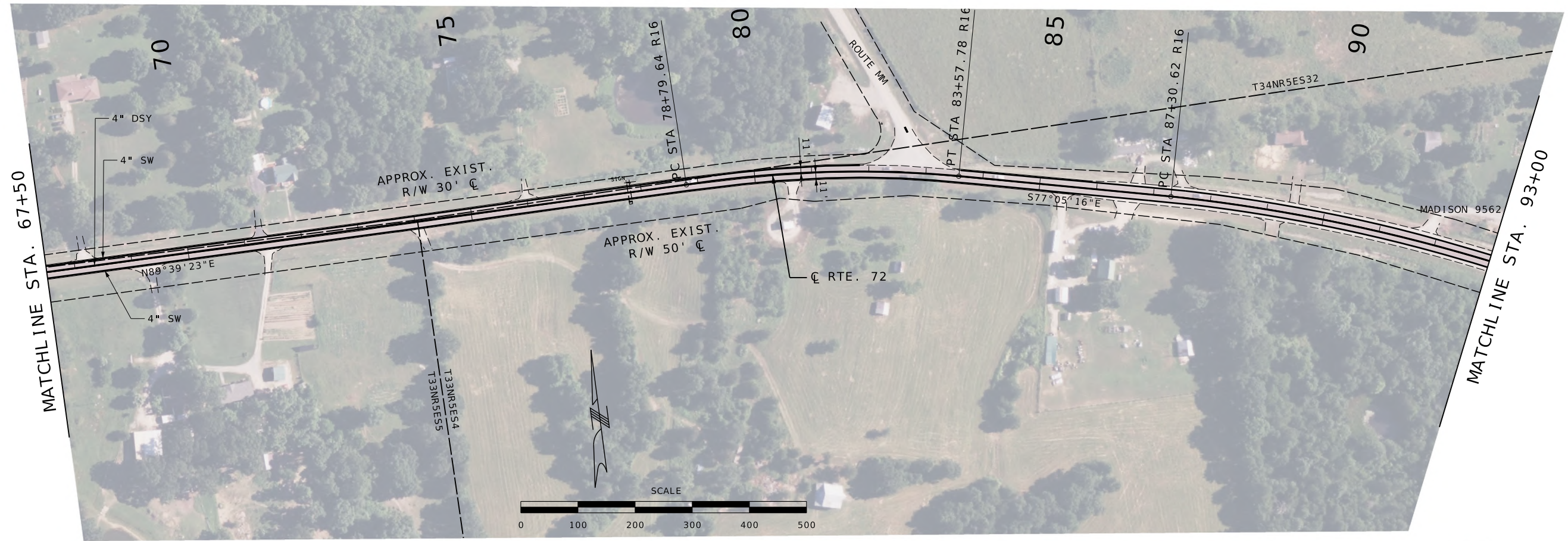
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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N.M.C.
 09/27/2024 4:54:28 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
 9/27/2024
 ROUTE STATE
 72 MO
 DISTRICT SHEET NO.
 SE 39
 COUNTY
 IRON/MADISON
 JOB NO.
 J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (IY)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	12" RUMBLE STRIP

PAVEMENT MARKING SHEET
 SHEET 8 OF 19

EFK Moen
 Civil Engineering Design
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N.M.C.
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 Nicholas Michael Correnti - Civil
 MO PE-2010000809

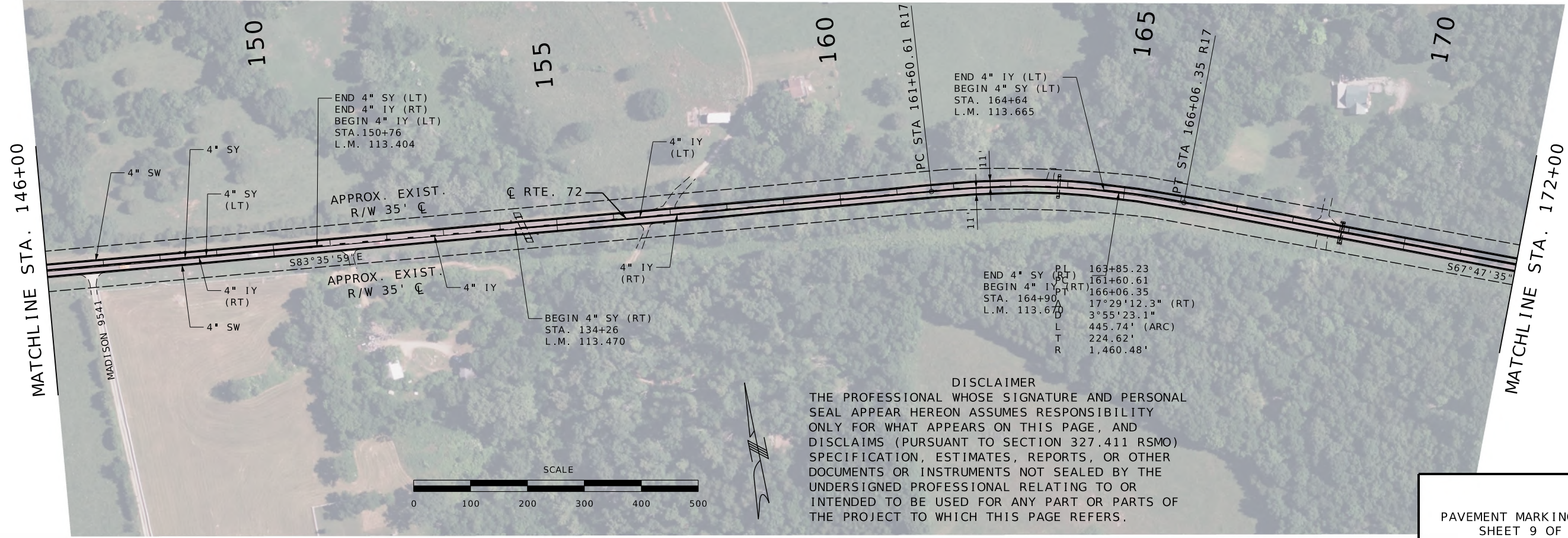
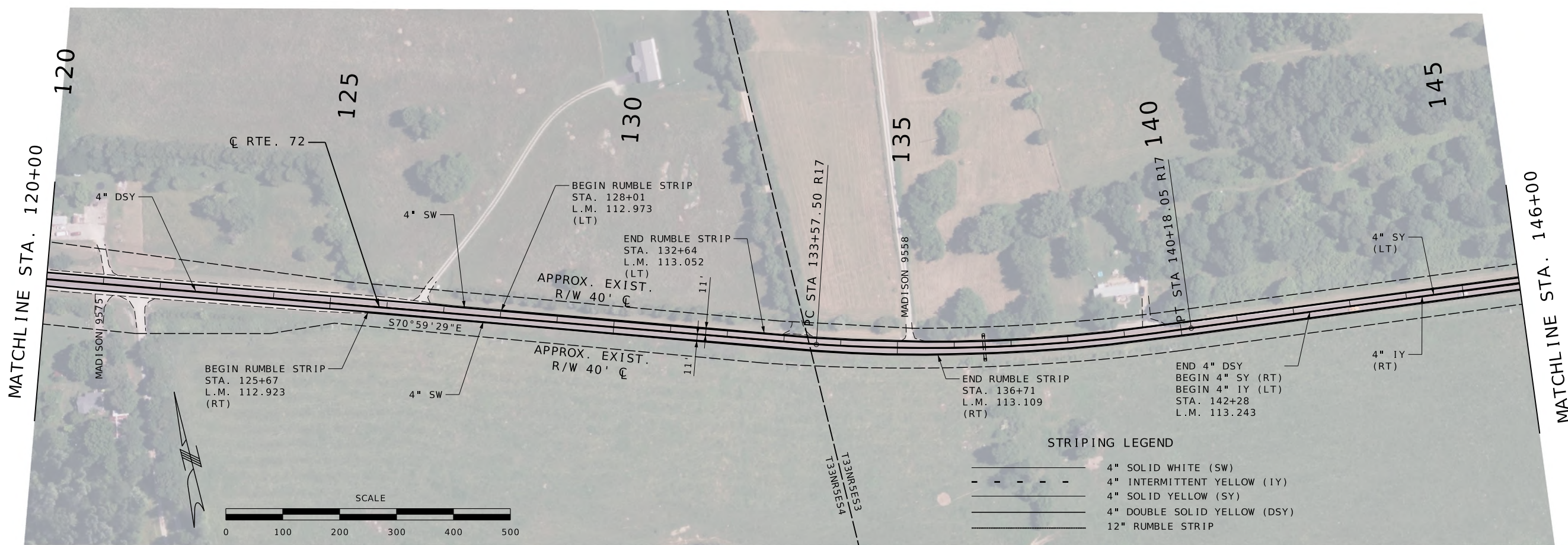
DATE PREPARED
 9/27/2024
 ROUTE STATE
 72 MO
 DISTRICT SHEET NO.
 SE 40
 COUNTY
 IRON/MADISON
 JOB NO.
 J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

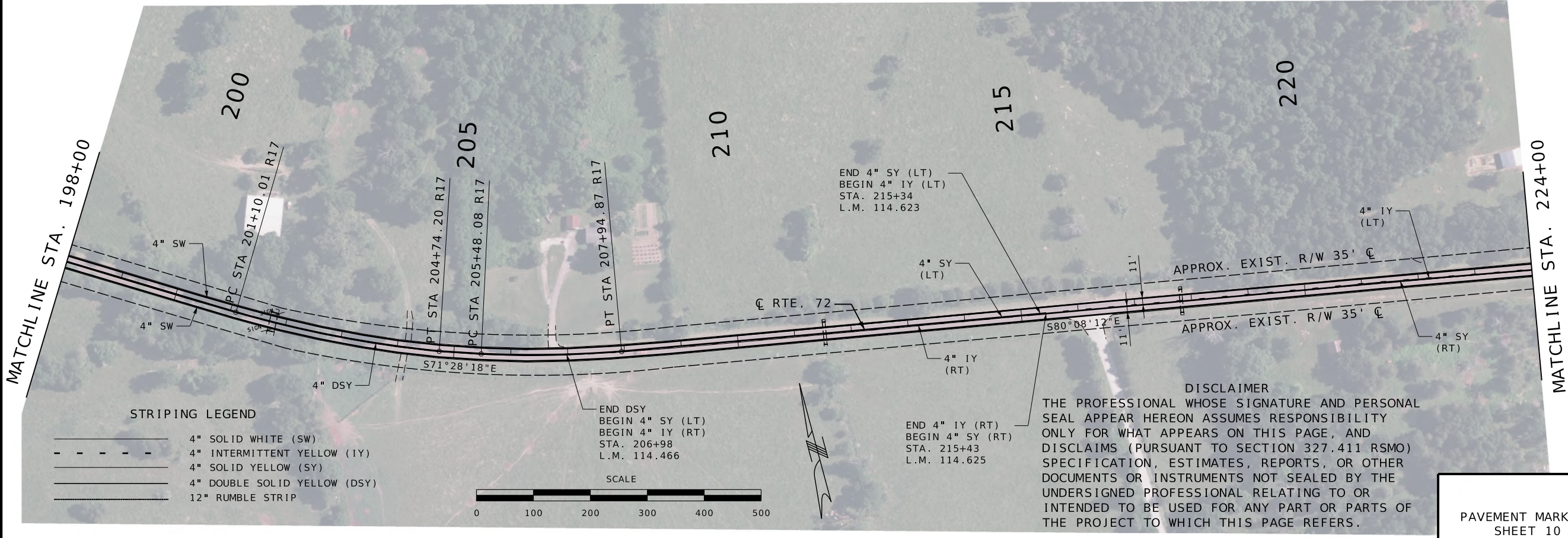
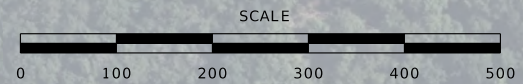
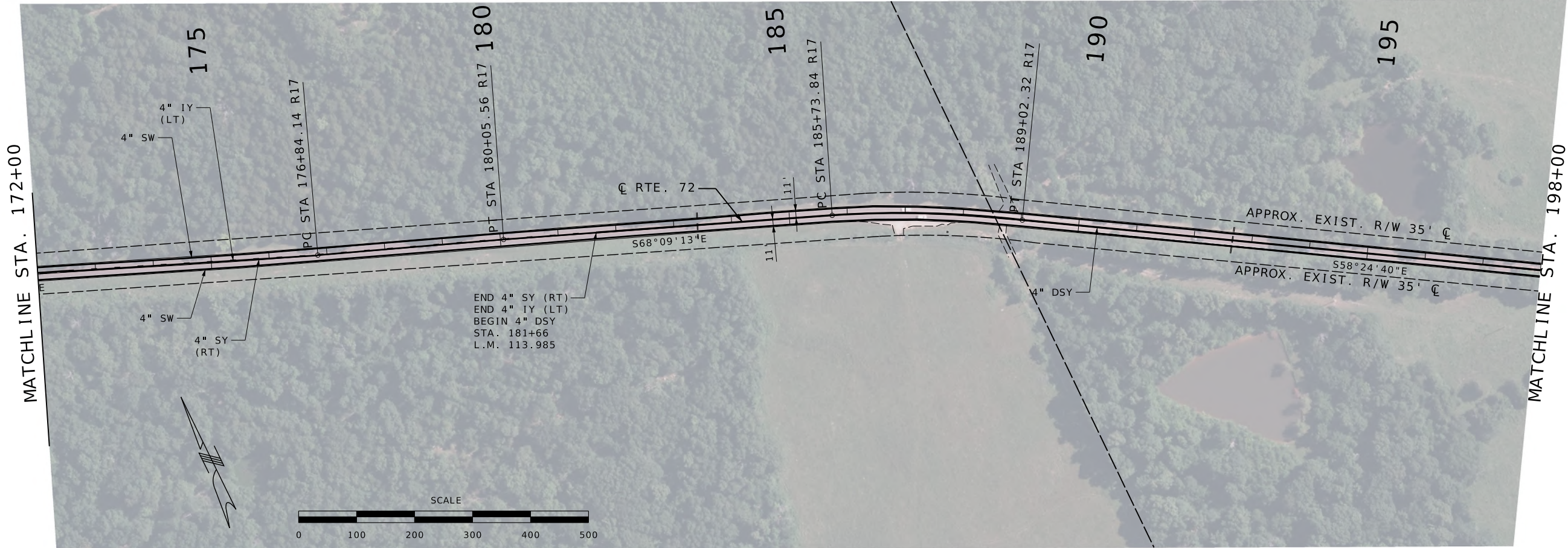
 105 WEST CAPITOL
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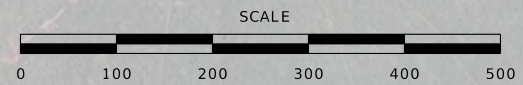
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PAVEMENT MARKING SHEET
 SHEET 9 OF 19



STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (IY)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	12" RUMBLE STRIP



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PAVEMENT MARKING SHEET
 SHEET 10 OF 19



N.M. Correnti
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 Nicholas Michael Correnti - Civil
 MO PE-2010000809

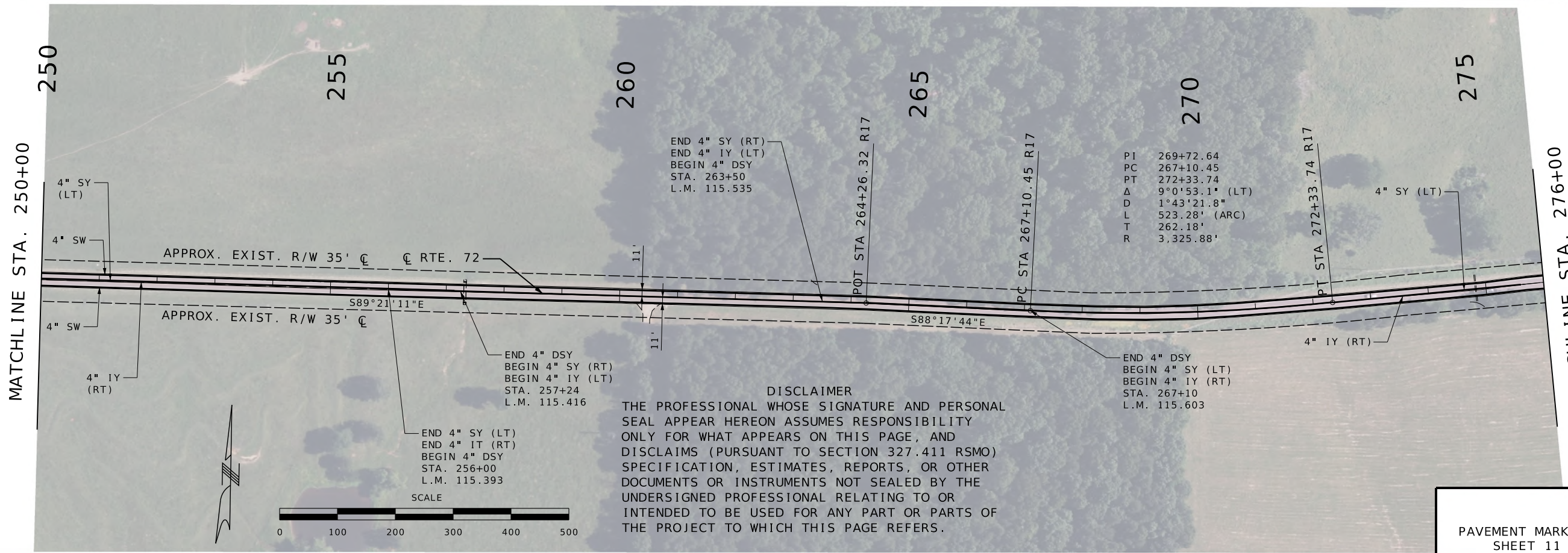
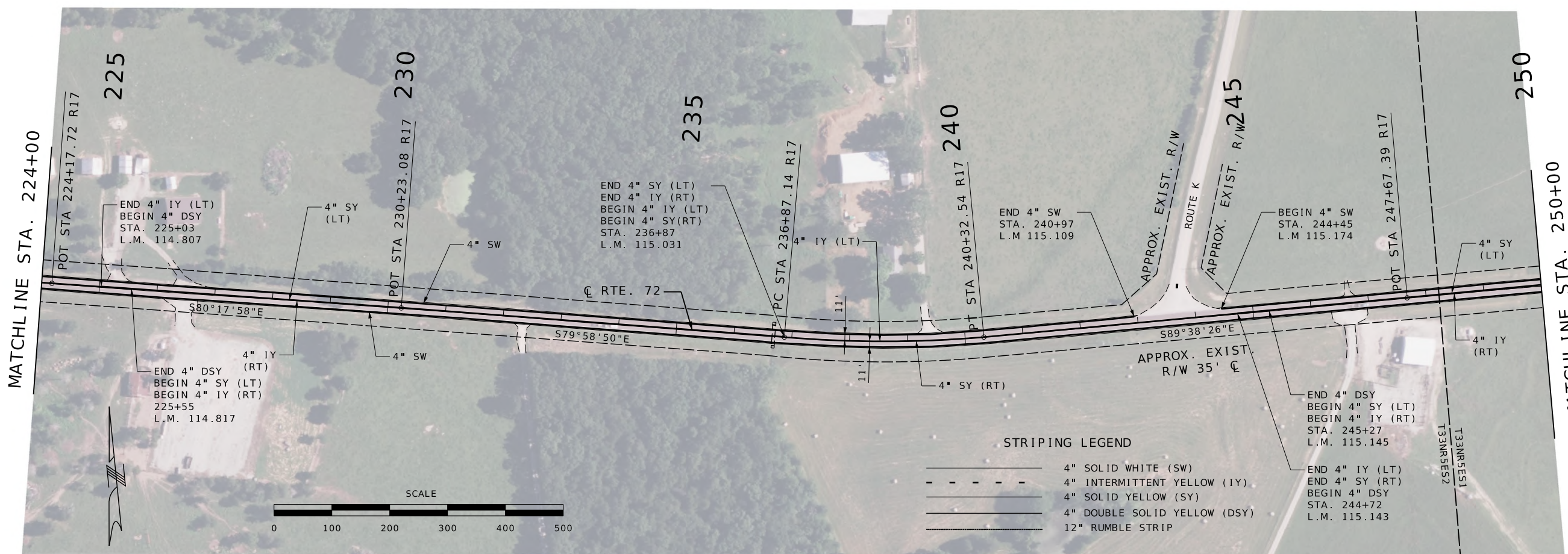
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ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 41
COUNTY IRON/MADISON	
JOB NO. J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

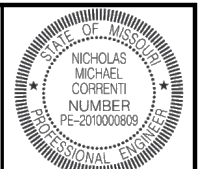
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
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 Suite 250
 St. Louis, MO 63021
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PAVEMENT MARKING SHEET
 SHEET 11 OF 19



N.M.C.
 DATE PREPARED
 9/27/2024

ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 42

COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.

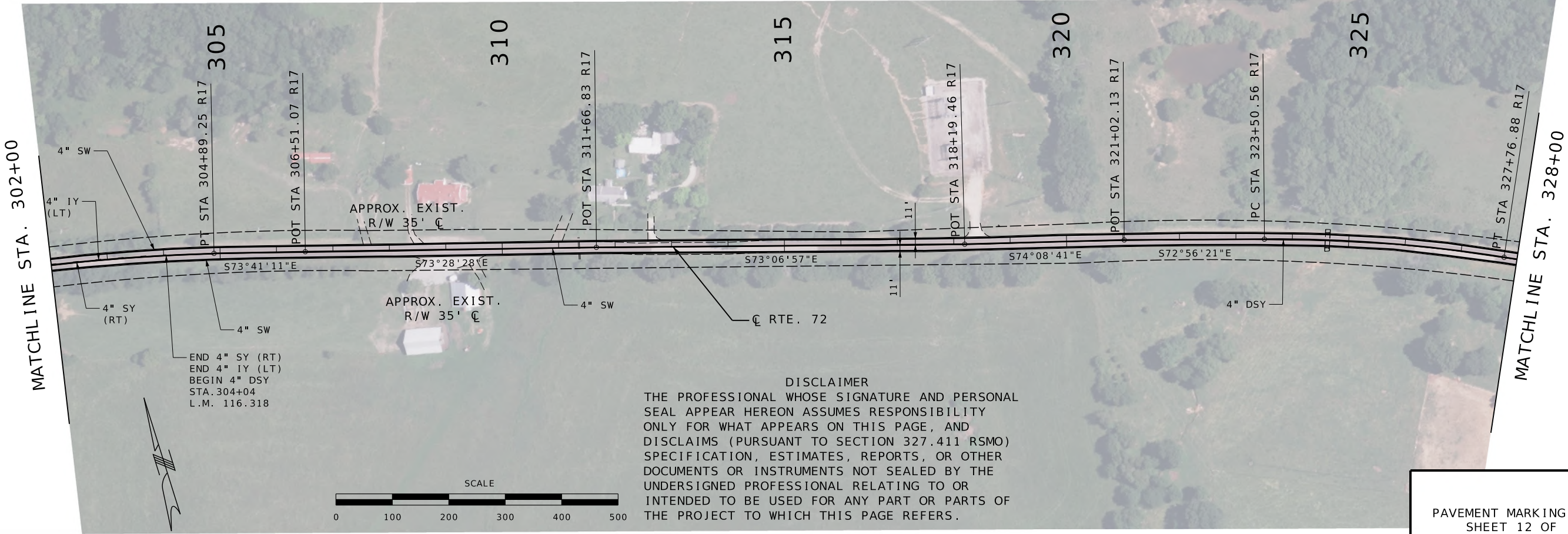
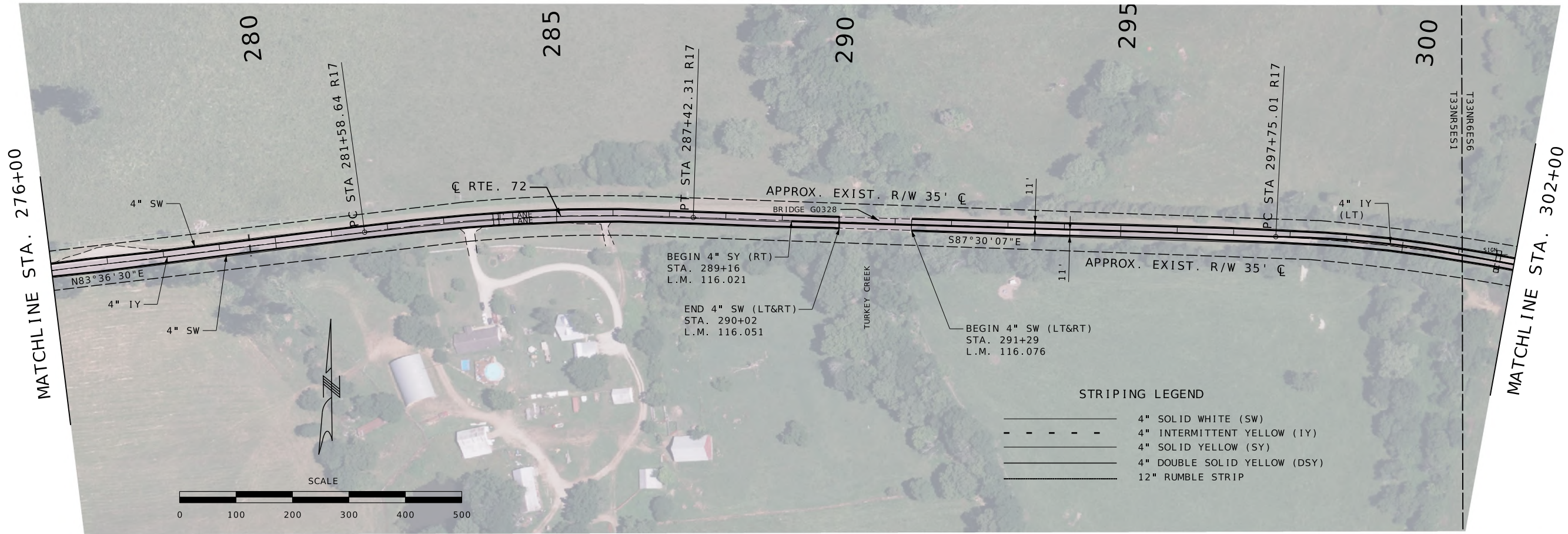
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

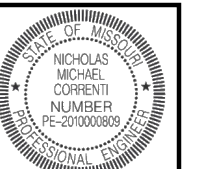
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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 Suite 250 St. Louis, MO 63021 Fax 314-394-3199
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PAVEMENT MARKING SHEET
 SHEET 12 OF 19



NML M. CA
 DATE PREPARED
 9/27/2024

ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 43

COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.

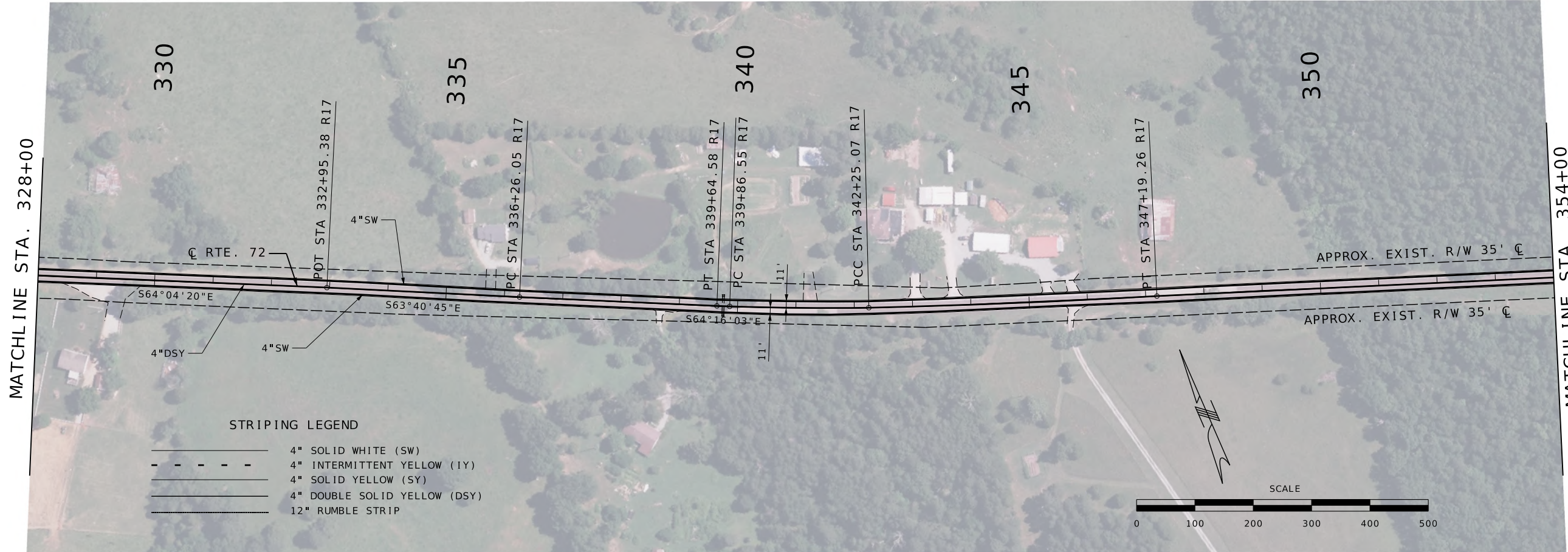
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DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

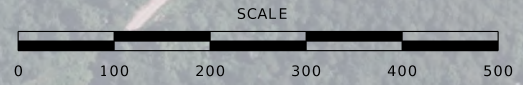
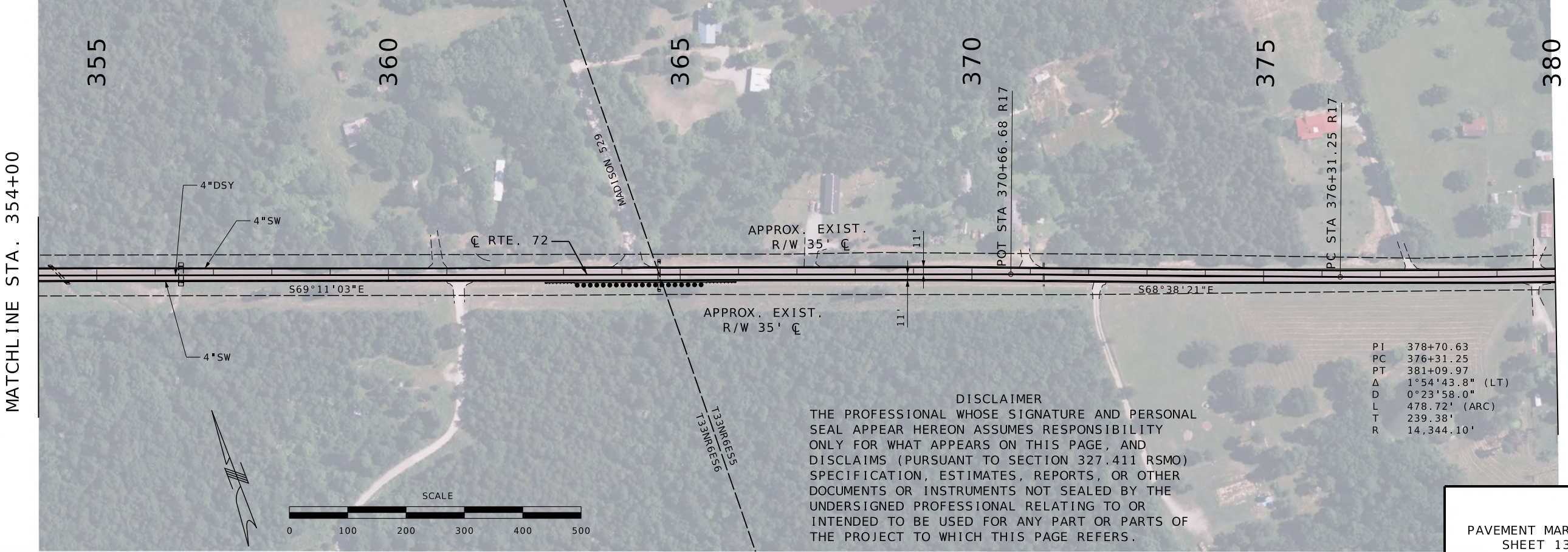
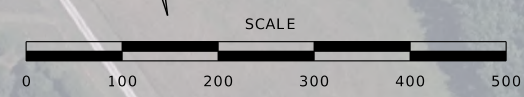
105 WEST CAPITOL
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 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (IY)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	12" RUMBLE STRIP



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PI	378+70.63
PC	376+31.25
PT	381+09.97
Δ	1°54'43.8" (LT)
D	0°23'58.0"
L	478.72' (ARC)
T	239.38'
R	14,344.10'

PAVEMENT MARKING SHEET
 SHEET 13 OF 19



N.M. Correnti
 09/27/2024 4:56:59 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

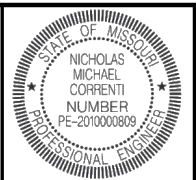
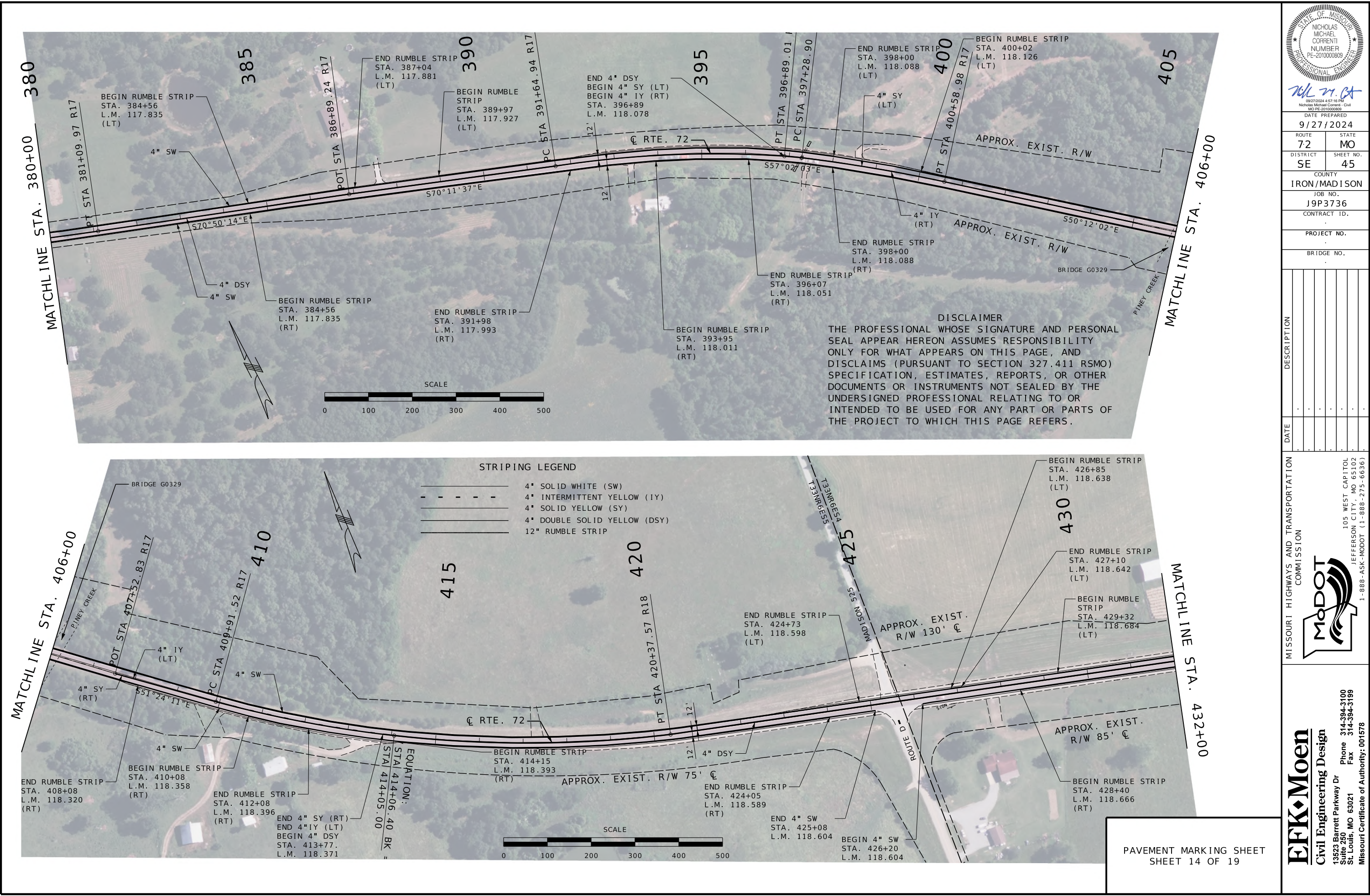
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DISTRICT	SHEET NO.	SE	44
COUNTY			
IRON/MADISON			
JOB NO.			
J9P3736			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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 Missouri Certificate of Authority: 001578



N.M. Correnti
 09/27/2024 4:57:18 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED	
9/27/2024	
ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	45
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

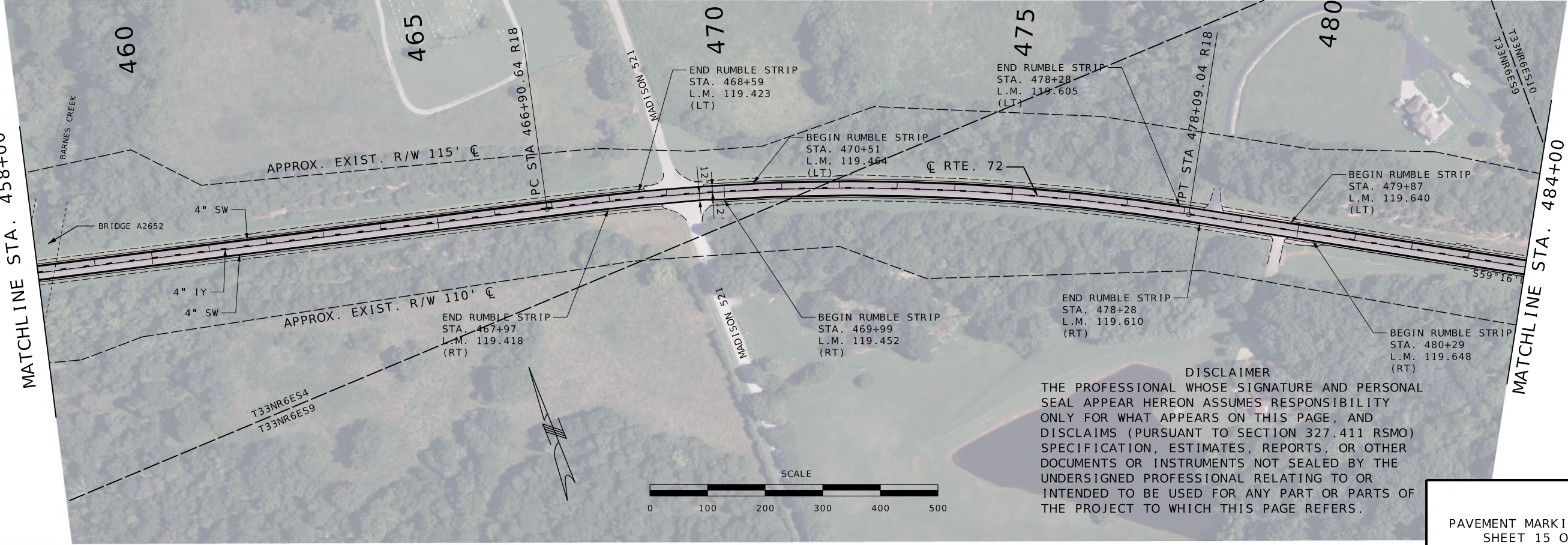
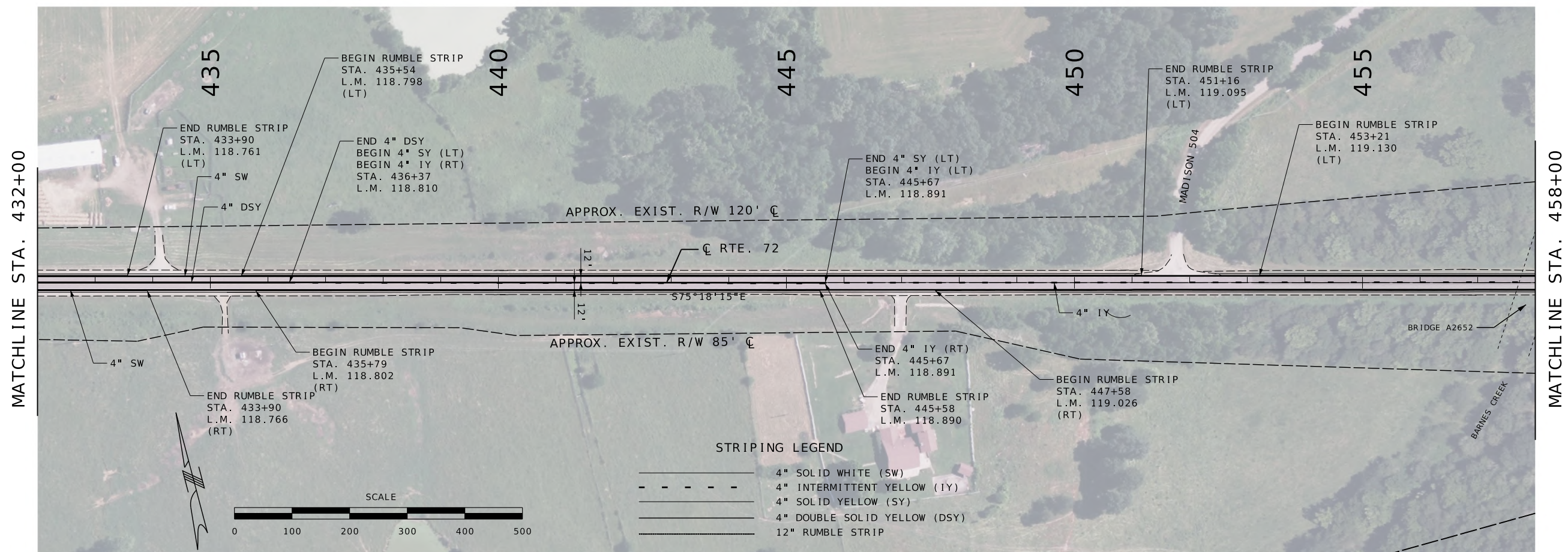
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
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 St. Louis, MO 63021
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PAVEMENT MARKING SHEET
 SHEET 14 OF 19

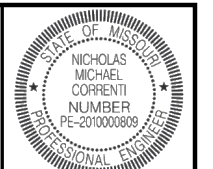


STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (IY)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	12" RUMBLE STRIP

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PAVEMENT MARKING SHEET
 SHEET 15 OF 19



N.M. Correnti
 DATE PREPARED
 9/27/2024

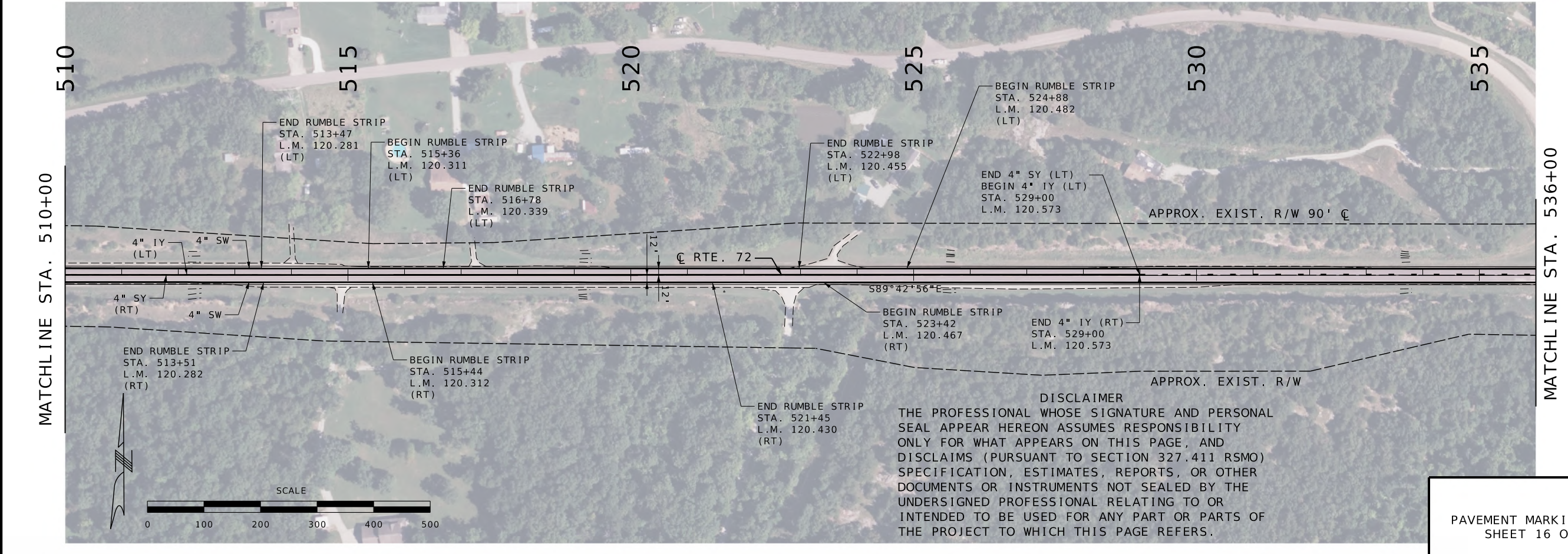
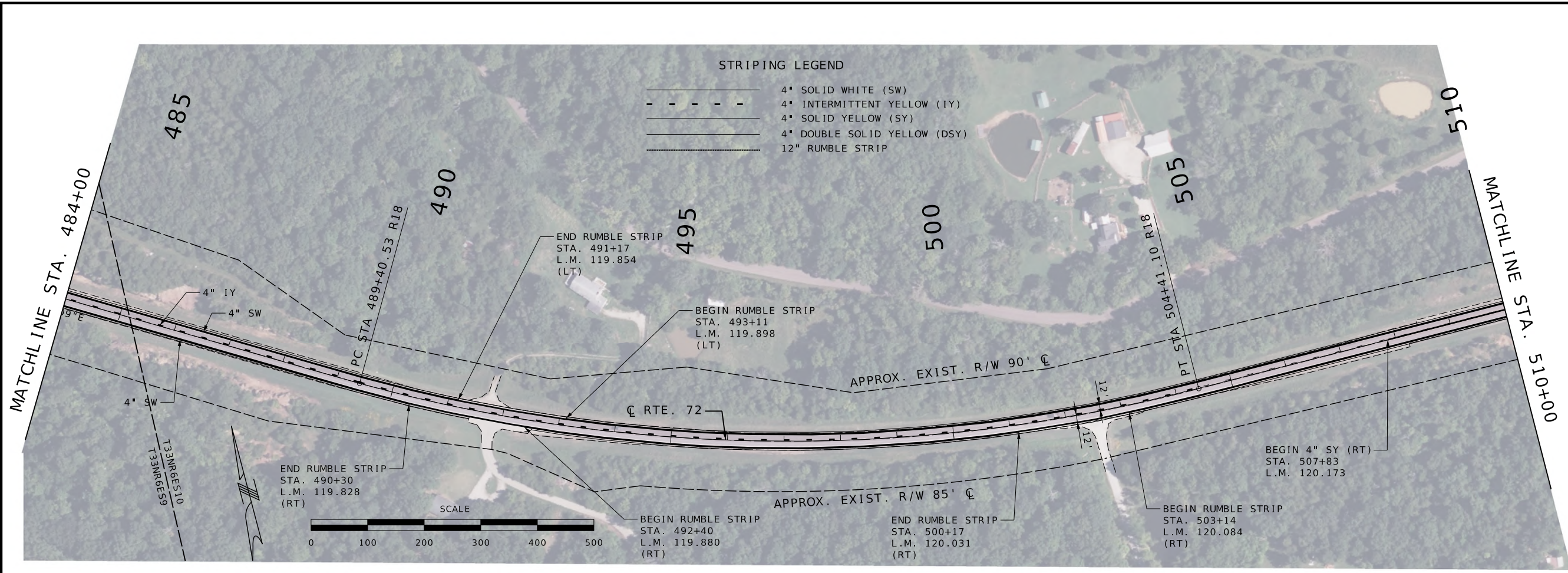
ROUTE	STATE
72	MO
DISTRICT	SHEET NO.
SE	46
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

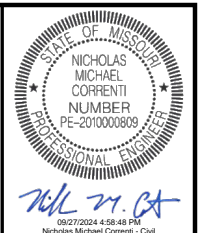


STRIPING LEGEND

- 4" SOLID WHITE (SW)
- - - - - 4" INTERMITTENT YELLOW (IY)
- 4" SOLID YELLOW (SY)
- =====
=====
===== 4" DOUBLE SOLID YELLOW (DSY)
- ||||| 12" RUMBLE STRIP

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PAVEMENT MARKING SHEET
 SHEET 16 OF 19



DATE PREPARED
9/27/2024

ROUTE 72	STATE MO
DISTRICT SE	SHEET NO. 47

COUNTY
IRON/MADISON

JOB NO.
J9P3736

CONTRACT ID.

PROJECT NO.

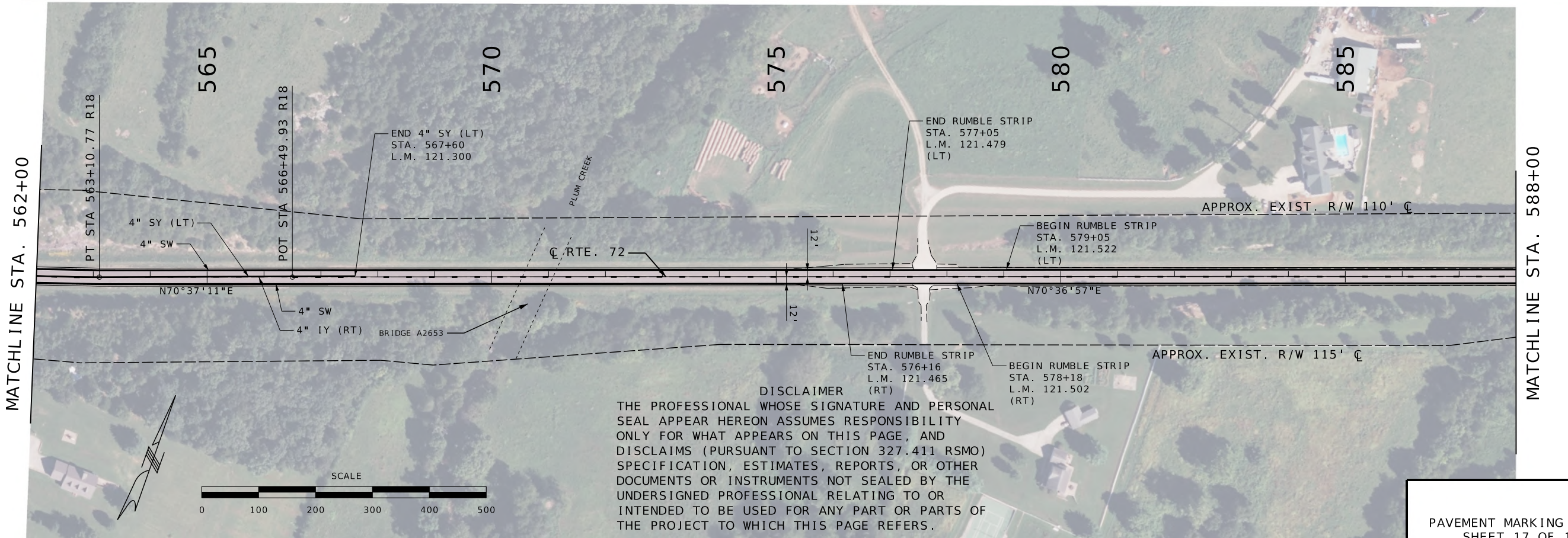
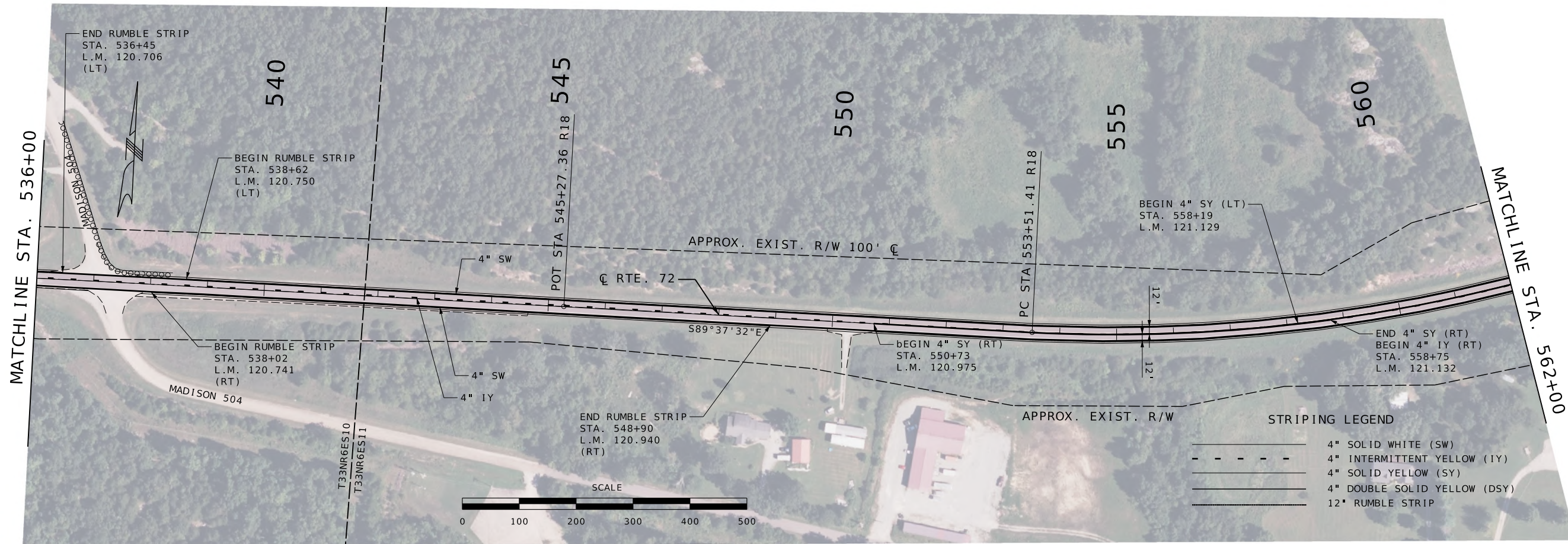
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
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PAVEMENT MARKING SHEET
 SHEET 17 OF 19



N.M.C.
 DATE PREPARED
 9/27/2024

ROUTE STATE
 72 MO
 DISTRICT SHEET NO.
 SE 48

COUNTY
 IRON/MADISON
 JOB NO.
 J9P3736
 CONTRACT ID.

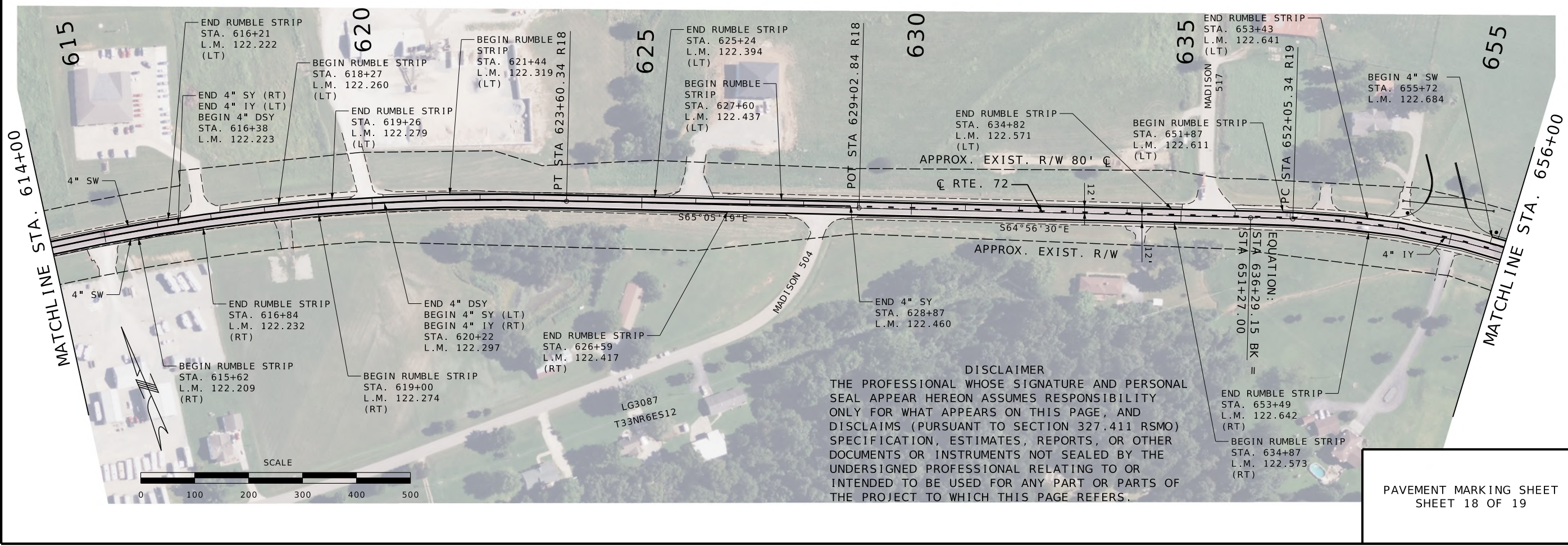
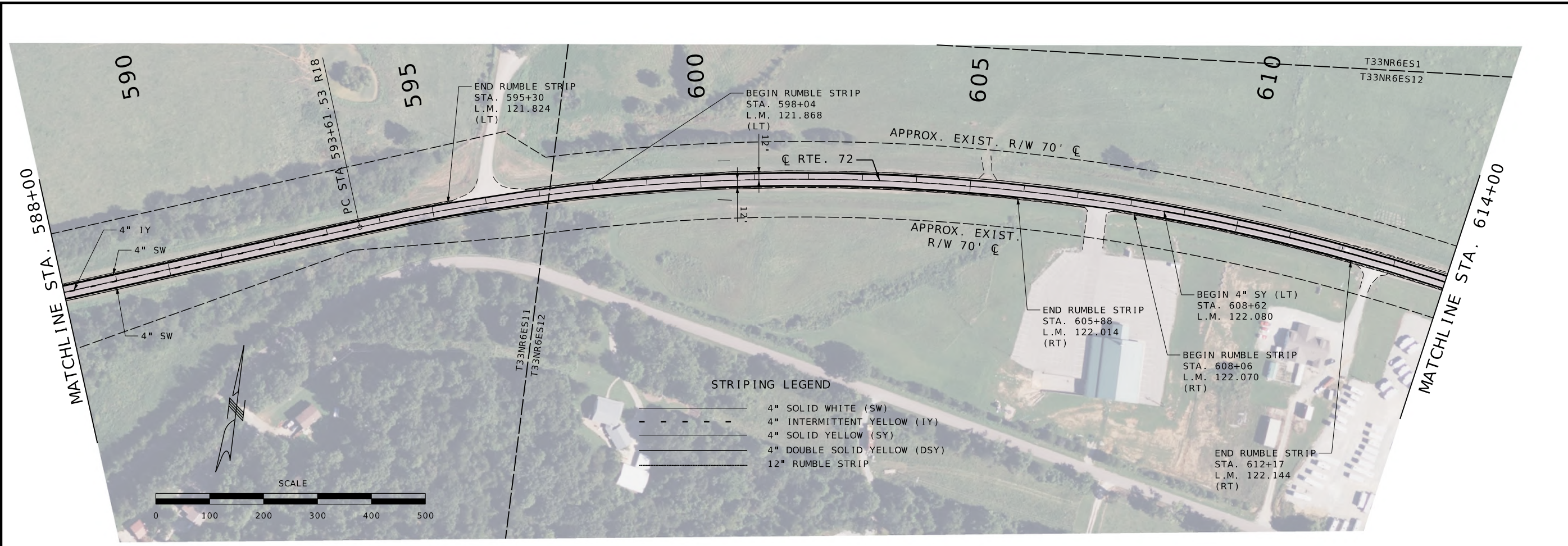
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

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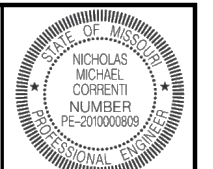


STRIPING LEGEND

- 4" SOLID WHITE (SW)
- - - 4" INTERMITTENT YELLOW (IY)
- 4" SOLID YELLOW (SY)
- 4" DOUBLE SOLID YELLOW (DSY)
- 12" RUMBLE STRIP

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PAVEMENT MARKING SHEET
 SHEET 18 OF 19



N.M.C.
 DATE PREPARED
 9/27/2024

ROUTE STATE
 72 MO
 DISTRICT SHEET NO.
 SE 49

COUNTY
 IRON/MADISON
 JOB NO.
 J9P3736
 CONTRACT ID.

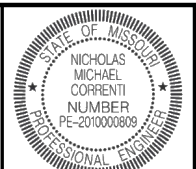
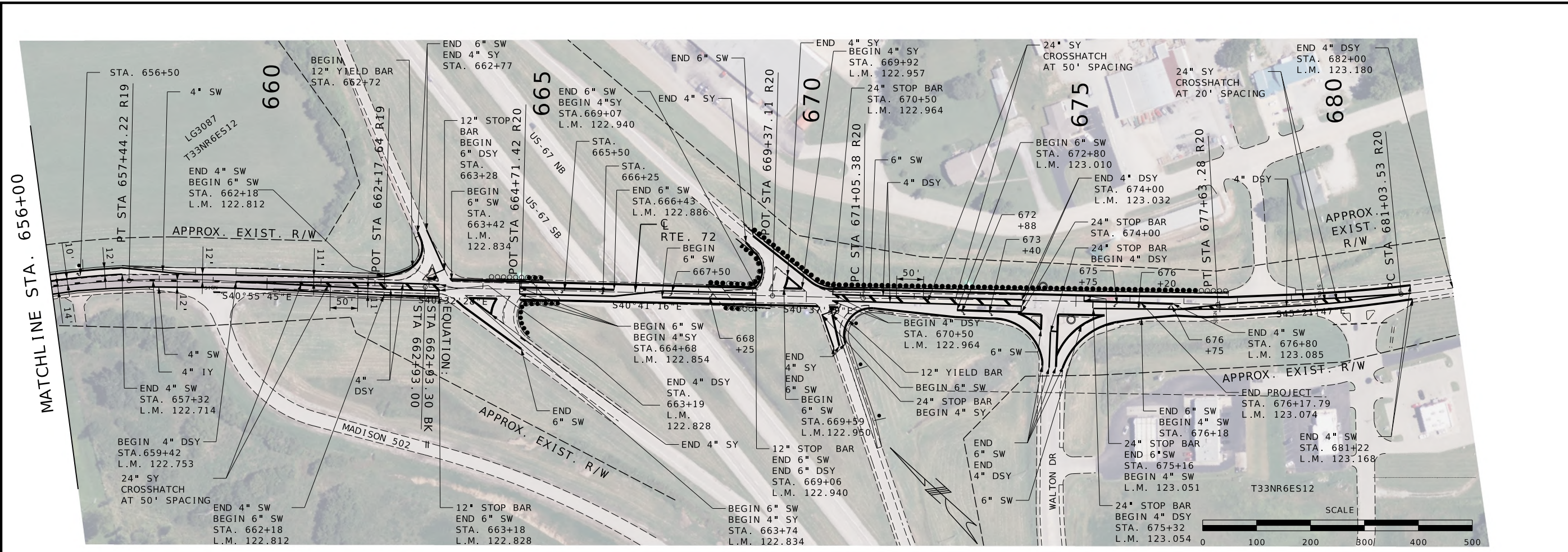
PROJECT NO.
 BRIDGE NO.

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
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 Missouri Certificate of Authority: 001578



N.M.C.
 09/27/2024 5:00:22 PM
 Nicholas Michael Correnti - Civil
 MO PE-2010000809

DATE PREPARED
 9/27/2024
 ROUTE 72 STATE MO
 DISTRICT SE SHEET NO. 50
 COUNTY IRON/MADISON
 JOB NO. J9P3736
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

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STRIPING LEGEND

	4" SOLID WHITE (SW)
	4" INTERMITTENT YELLOW (1Y)
	4" SOLID YELLOW (SY)
	4" DOUBLE SOLID YELLOW (DSY)
	6" SOLID WHITE (SW)
	12" RUMBLE STRIP
	12" YIELD LINE

PAVEMENT MARKING SHEET
 SHEET 19 OF 19

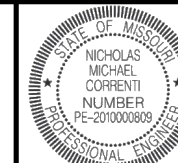
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 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
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 Nicholas Michael Correnti, Civil
 MO-PE-2010000809

DATE PREPARED
 9/27/2024

ROUTE
 7-2 STATE
 MO

DISTRICT
 SE SHEET NO.
 51

COUNTY
 IRON/MADISON

JOB NO.
 J9P3736

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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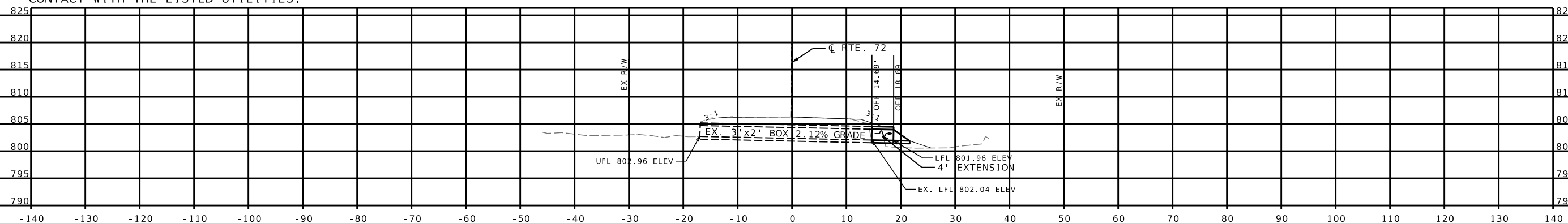
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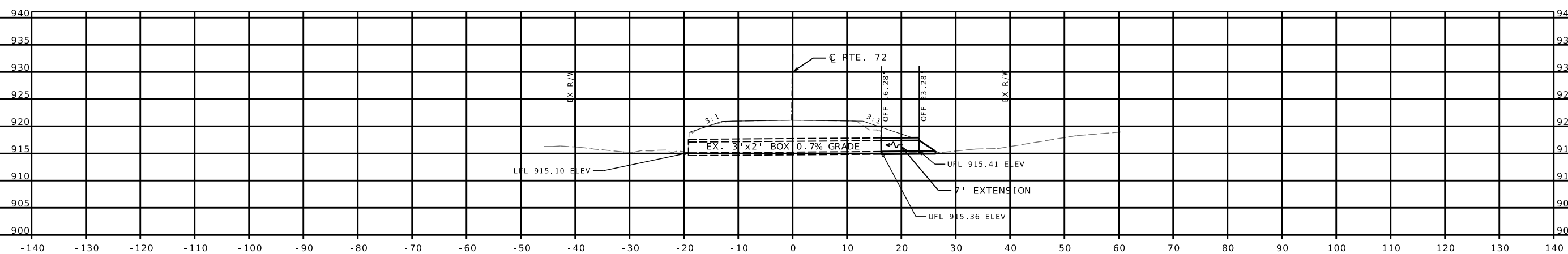
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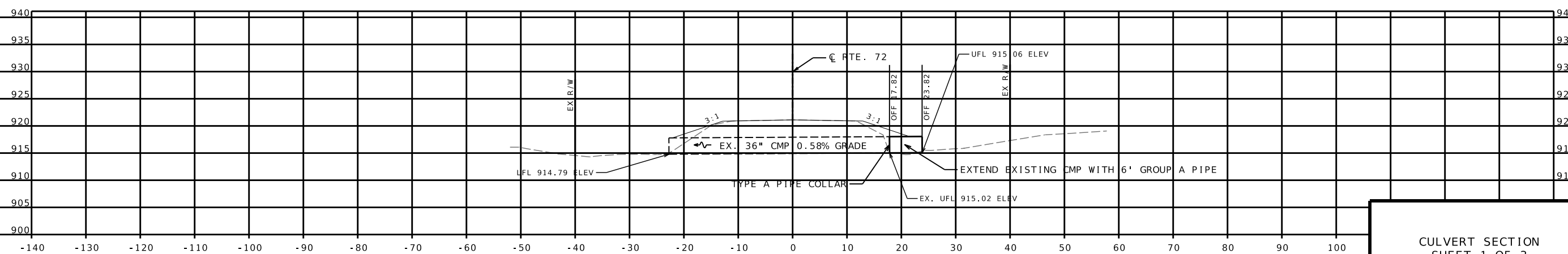
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STA 67+14 R16
 CULVERT 3



STA 21+01 R4
 CULVERT 2



STA 20+91 R4
 CULVERT 1

CULVERT SECTION
 SHEET 1 OF 3

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
 105 WEST CAPITOL
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EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

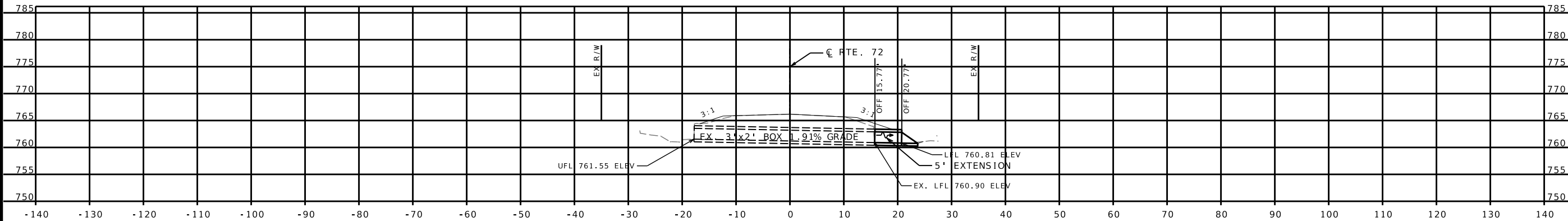
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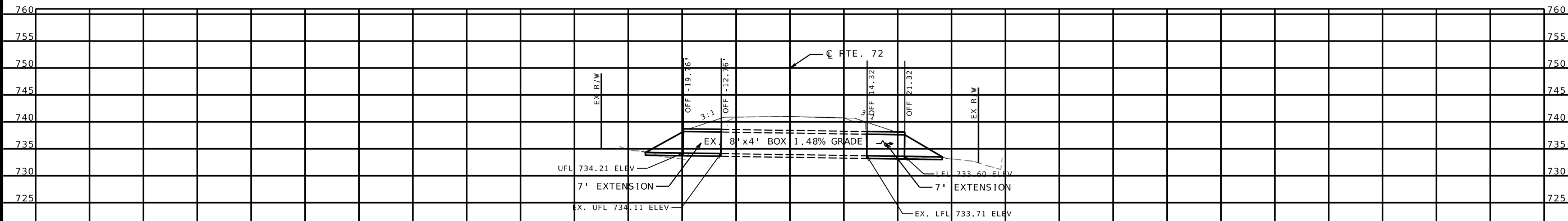


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 9/27/2024

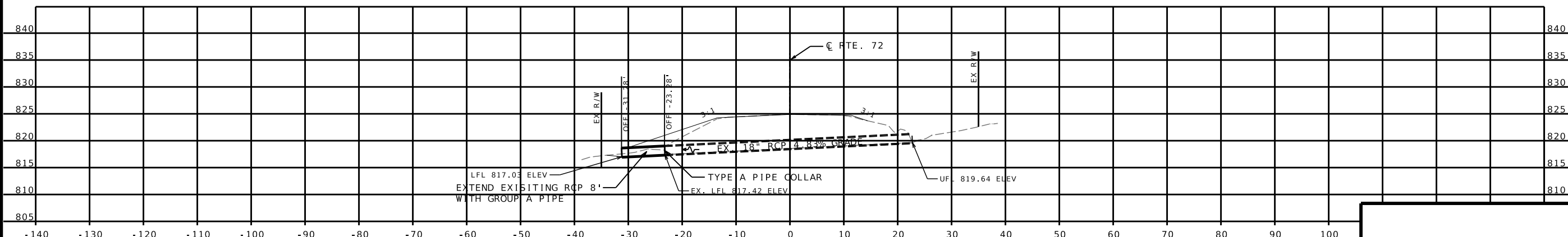
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7-2	MO
DISTRICT	SHEET NO.
SE	52
COUNTY	
IRON/MADISON	
JOB NO.	
J9P3736	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



STA 339+75 R17
 CULVERT 6



STA 301+71 R17
 CULVERT 5



STA 192+66 R17
 CULVERT 4

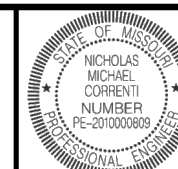
CULVERT SECTION
 SHEET 2 OF 3

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

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

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NML M. Correnti
 09/27/2024 5:01:40 PM
 Nicholas Michael Correnti, Civil
 MO PE-2010000809

DATE PREPARED
 9/27/2024

ROUTE STATE
 7-2 MO

DISTRICT SHEET NO.
 SE 53

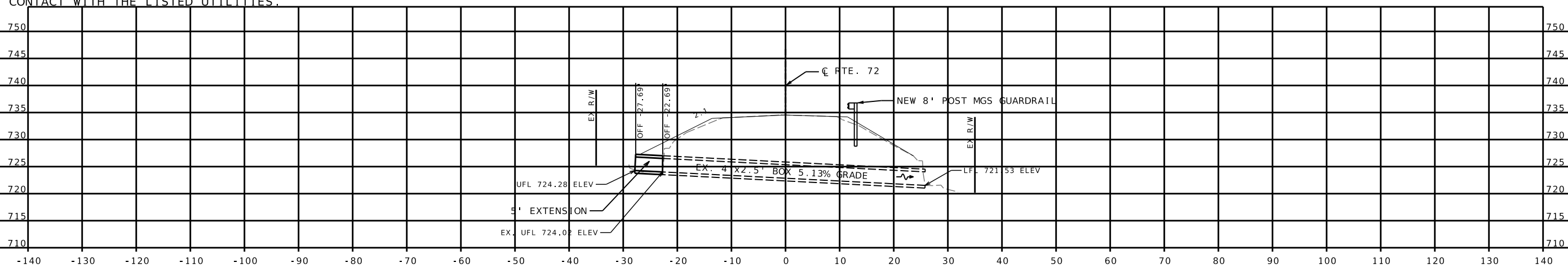
COUNTY
 IRON/MADISON

JOB NO.
 J9P3736

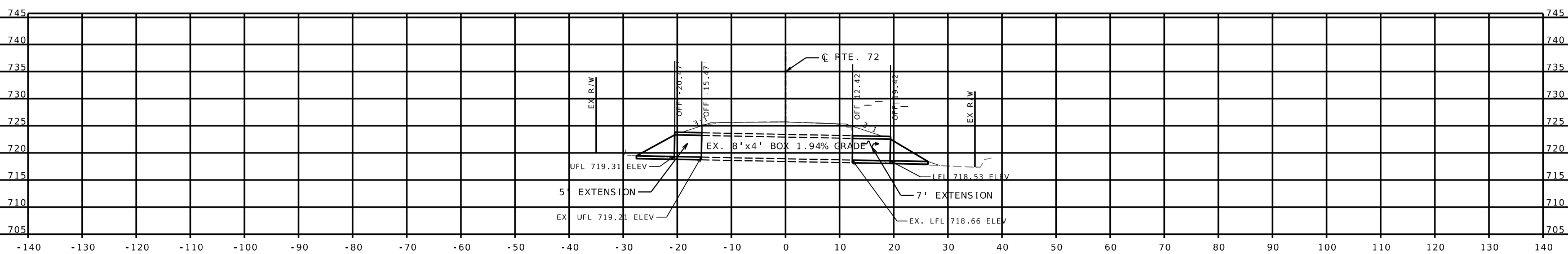
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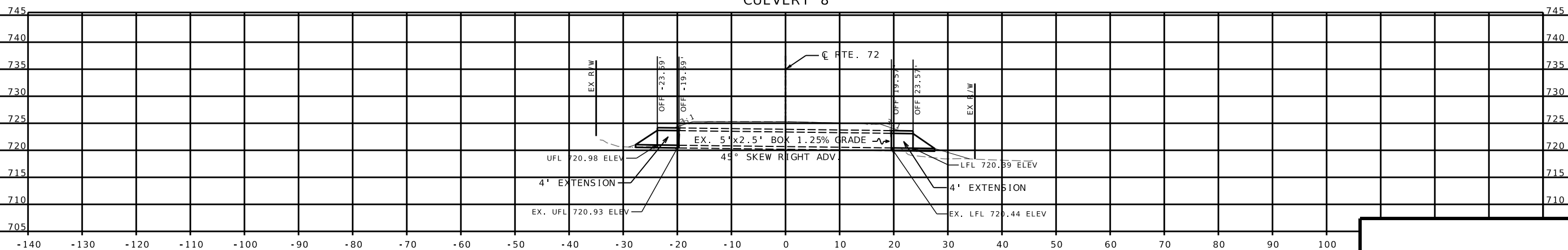
BRIDGE NO.
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STA 364+64 R17
 CULVERT 9



STA 356+44 R17
 CULVERT 8



STA 354+37 R17
 CULVERT 7

CULVERT SECTION
 SHEET 3 OF 3

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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