MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
FINAL PLANS FOR PROPOSED
STATE HIGHWAY

STE. GENEVIEVE COUNTY

T37N, R9E

DESIGN DESIGNATION

A.A.D.T. - 2020 = 1285
A.A.D.T. - 2040 = 2963
D.H.V. = N/A
T = 8.9%
V = 45 M.P.H.
D = N/A
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

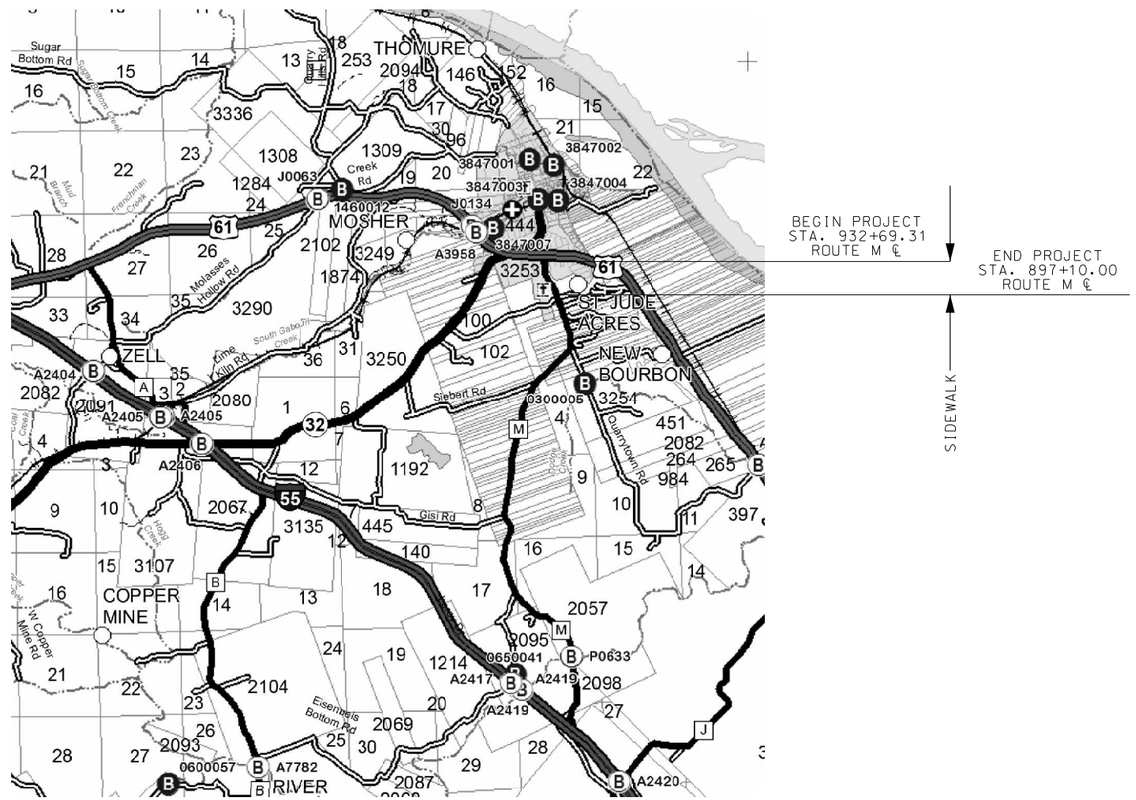
NORMAL RIGHT-OF-WAY (ROUTE M)

RIGHT-OF-WAY TAKING:
BEGIN STA. 927+90.00 (RECORD ROADWAY ℄)
END STA. 897+10.00 (RECORD ROADWAY ℄)

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



KEYMAP
SHOWING LOCATION OF STE. GENEVIEVE COUNTY

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.

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LENGTH OF PROJECT

BEGINNING OF PROJECT STA. 932+69.31
END OF PROJECT STA. 897+10.00

APPARENT LENGTH 3.559.31 FEET

EQUATIONS AND EXCEPTIONS:

STA. 916+99.83 BK = STA. 916+98.90 AH

TOTAL CORRECTIONS 0.93 FEET
NET LENGTH OF PROJECT 3.560.24 FEET
STATE LENGTH 0.674 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES APPROX. 1.5 ACRES

STATE OF MISSOURI
JASON S. DOHRMANN
PE-2004017159
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 9/13/2023

ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	1

COUNTY STE. GENEVIEVE
JOB NO. J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE, SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608
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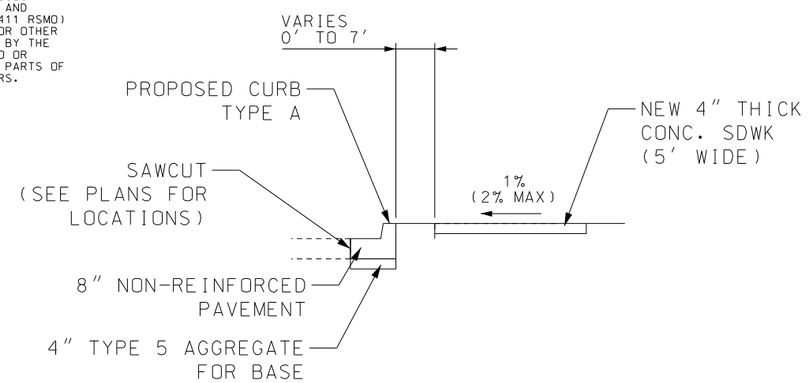
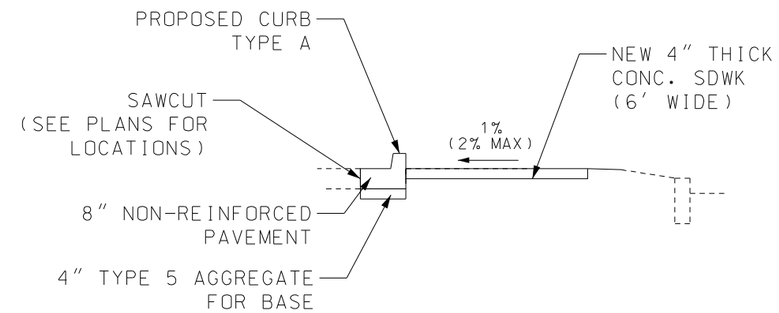


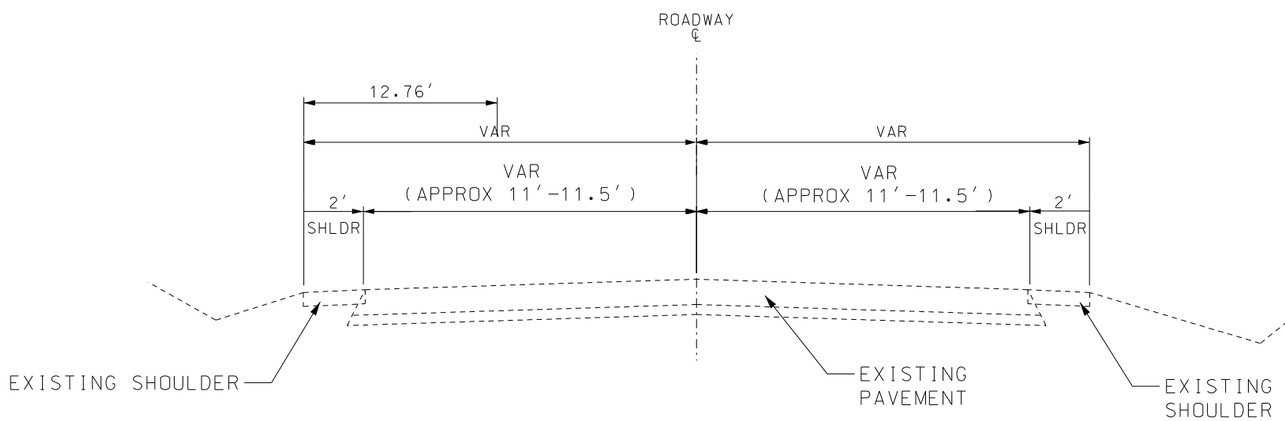
TYPICAL SECTION 5' WIDE SIDEWALK
NW CORNER OF ROUTE M
AND ROUTE 61

ROUTE 61 STA. 1055+16 TO STA. 1055+26



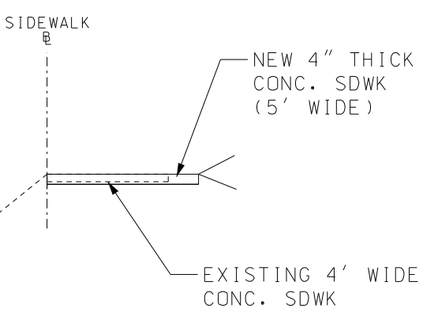
TYPICAL SECTION 6' WIDE SIDEWALK
SW CORNER OF ROUTE M
AND ROUTE 61

STA. 931+48.30 TO STA. 931+91.57



PROPOSED SECTION ON TANGENT
TYPICAL SECTION RTE M

STA. 927+82.61 TO 914+85.42



SIDEWALK ℄ STA. 5+82.33 TO 18+88.80

NOTES:

EXISTING TYPICALS ARE FOR INFORMATION ONLY.
PAVEMENT LAYERS MAY VARY FROM TYPICALS.

ALL STATIONS AND OFFSETS GIVEN FROM
ROUTE M ℄ UNLESS OTHERWISE NOTED.

TYPICAL SECTIONS ARE SHOWN FACING
DOWNSTATION.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TYPICAL SECTIONS
SHEET 1 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
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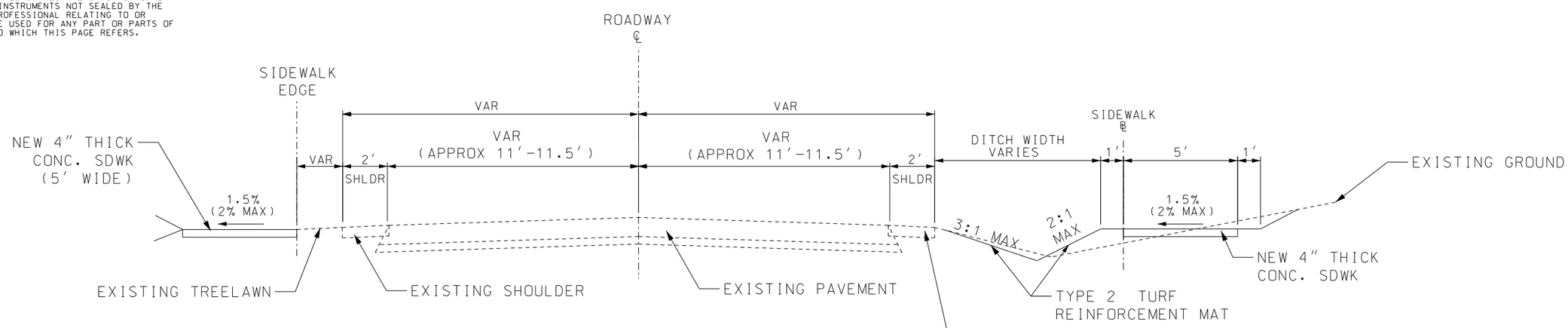
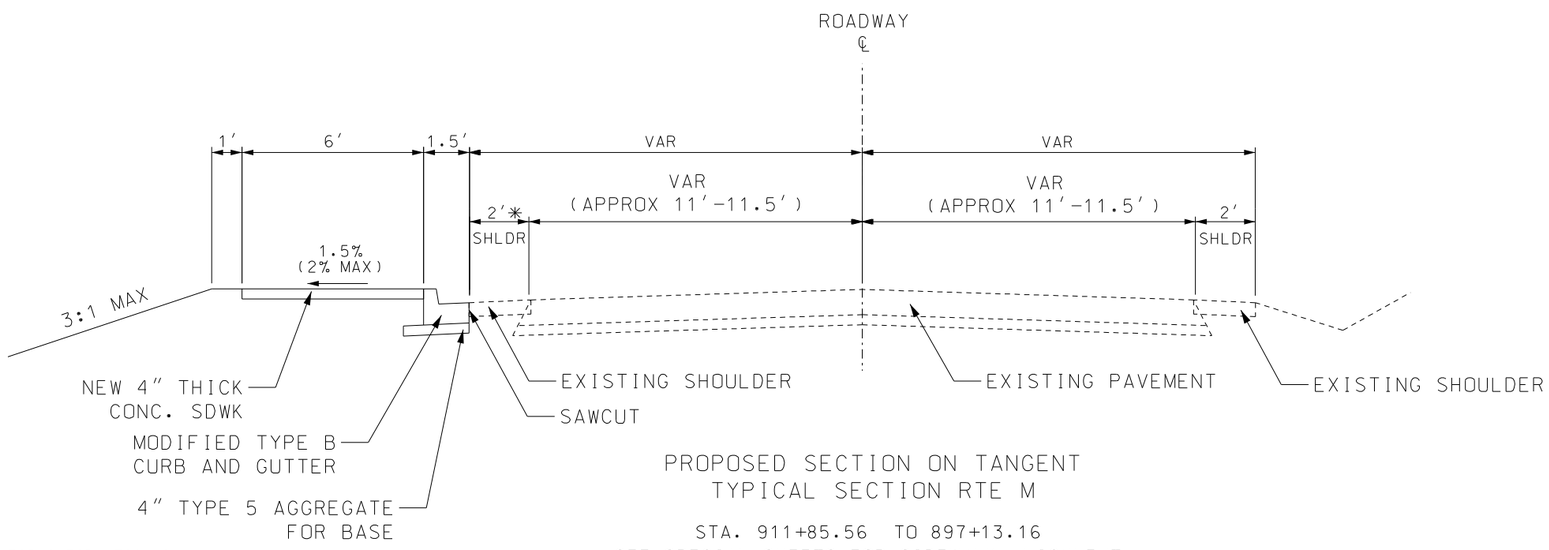


SIDEWALK
STA. 914+85.42 TO 912+53.55

PROPOSED SECTION ON TANGENT
TYPICAL SECTION RTE M

STA. 914+85.42 TO 912+53.55

SIDEWALK
STA. 914+85.42 TO 913+02.46
SIDEWALK ℞ STA. 18+88.80 TO 20+71.76



PROPOSED SECTION ON TANGENT
TYPICAL SECTION RTE M

STA. 911+85.56 TO 897+13.16
SEE SPECIAL SHEETS FOR SIDEWALK ALIGNMENT
AT ENTRANCE AND SIDE ROADS

✳ SHOULDER WIDTH TAPERS FROM 0' TO 2' FROM
STA. 901+74.02 TO STA. 901+09.18

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ROUTE M ℄ UNLESS OTHERWISE NOTED.

TYPICAL SECTIONS ARE SHOWN FACING
DOWNSTATION.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TYPICAL SECTIONS
SHEET 2 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
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PHONE: (636) 519.0990
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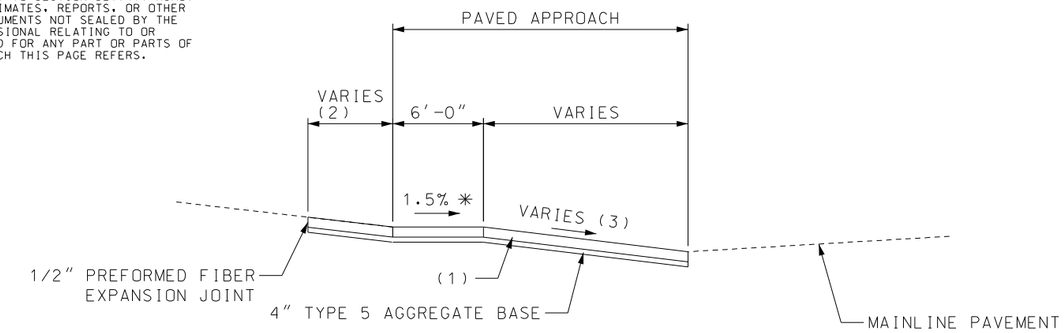


SECTION A-A

GENERAL NOTES:

WHERE PAVED APPROACH MEETS EXISTING PCC PAVEMENT OR SIDEWALK, PLACE 1/2" PREFORMED FIBER EXPANSION JOING, CUT TO TEMPLATE, THROUGH NEW CONCRETE AND 1' FROM JUNCITON WITH EXISTING CONCRETE, OR ALONG INSIDE EDGE OF SIDEWALK. WHERE PAVED APPROACH MEETS EXISTING BITUMINOUS CONSTRUCTION, OMIT JOINT.

SEE STANDARD PLAN 608.10 FOR CONCRETE CURB RAMPS.

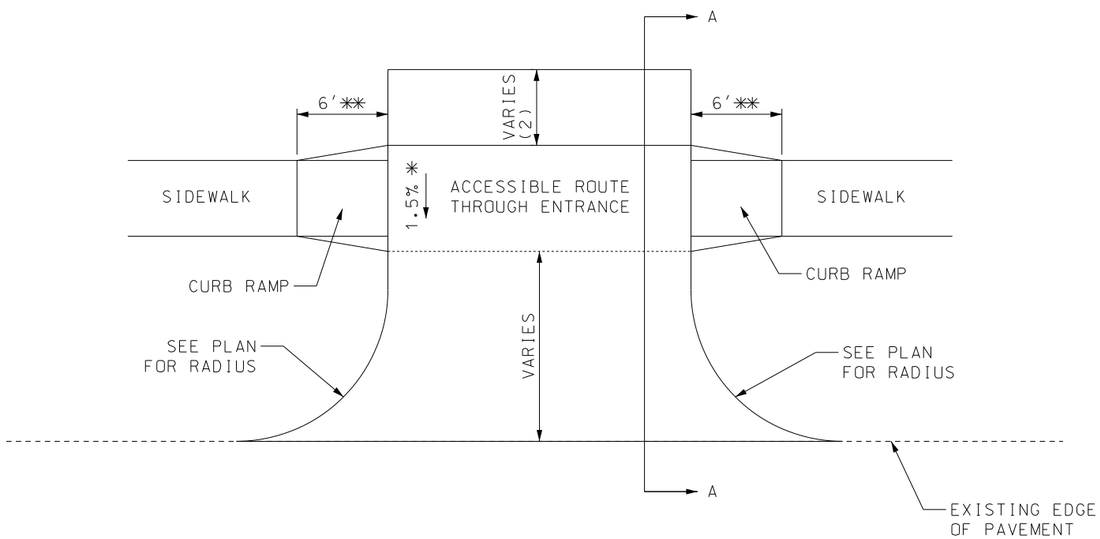
SEE STANDARD PLAN 502.05 FOR JOINT DETAILS.

IF SIDEWALKS ARE NOT INCLUDED IN CONSTRUCTION OR PAVED APPROACH, PLACE GROUND COVER, AS SHOWN ON PLANS. BEHIND CURB THROUGH RADIUS. GROUND COVER SHALL CONFORM TO FINISHED GRADING FOR CURB RAMP.

HAND FINISHING PERMITTED ON PAVED APPROACH.

WHENS SIDEWALKS ARE PRESENT ADJACENT TO THE PAVED APPROACHES OF STREETS, SIDEROADS, ALLEYS OR ENTRANCES, THE SIDEWALK GRADE SHALL BE TRANSITIONED TO THE GRADE OF THE APPROACH BY WAY OF AN APPROPRIATE RAMP AS SHOWN ON THE PLANS. SEE 608.10 FOR RAMP DETAILS.

THE APPROACH GRADE THROUGH THE LIMITS OF SIDEWALK SHALL NOT EXCEED 2.0%.



PLAN OF COMMERICAL OR RESIDENTIAL APPROACH WITH 5' SIDEWALK

* THE CROSS SLOPE OF PEDESTRIAN ACCESS ROUTE 1.5% TYP (2.0% MAX)

** CURB RAMP LENGTH IS DESIRED. HOWEVER, LENGTH MAY BE ADJUSTED IN FIELD

(1) 8" NRCCP - FOR COMMERICAL APPROACHES
7" NRCCP - FOR RESIDENTIAL APPROACHES

(2) GRADE BREAKS TO EXISTING PAVEMENT SHALL NOT EXCEED 8.0%
EXTEND WHERE REQUIRED TO MEET EXISTING PAVEMENT

(3) GRADE BREAKS BETWEEN EXISTING PAVEMENT AND SIDEWALK
SHALL NOT EXCEED 8.0%

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TYPICAL SECTIONS
SHEET 3 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	2
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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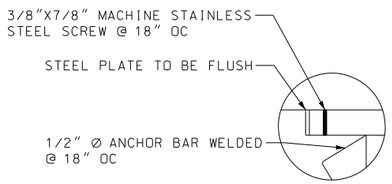
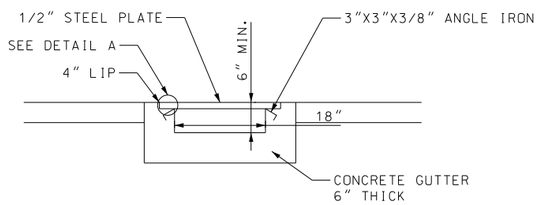


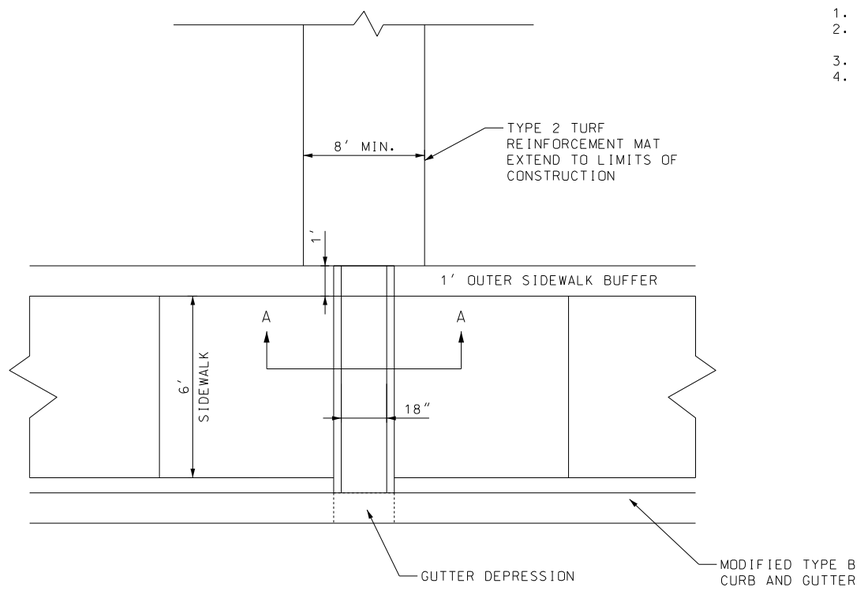
DETAIL A



SECTION A-A

NOTES:

1. THE 1/2" STEEL SLIP-RESISTANCE PLATE SHALL HAVE A MIN. STATIC COEFFICIENT OF FRICTION OF 0.6.
2. FLATHEAD STAINLESS STEEL MACHINE SCREWS 3/8" X 7/8". HOLES SHALL BE DRILLED AND TAPPED IN FIELD AT INTERVALS NOT TO EXCEED 18" CENTER TO CENTER (NO DIRECT PAY).
3. ALL REINFORCING STEEL BARS SHALL BE EPOXY COATED (NO DIRECT PAY).
4. ALL REINFORCING STEEL, ANCHOR BARS, ANGLE IRON, SCREWS, AN "T" SUPPORTS SHALL BE INCIDENTAL (NO DIRECT PAY).



PLAN OF SIDEWALK AT BACK OF CURB

CONCRETE GUTTER WITH STEEL PLATE DETAILS

DRAWING NOT TO SCALE.

TYPICAL SECTIONS
SHEET 4 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	2
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PHONE: (636) 519.0990
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REMOVAL OF IMPROVEMENTS

SHEET	STATION	STATION	ROUTE	LOCATION	DESCRIPTION
4	1055+14	1055+26	RTE 61	LT	4 SY PAVEMENT REMOVAL
4	1055+14	1055+26	RTE 61	LT	39 LF CURB REMOVAL
4	1055+14	1055+26	RTE 61	LT	21 SY SIDEWALK/ASPHALT REMOVAL
4	1055+14	1055+26	RTE 61	LT	84 LF SAWCUT
4	932+50	931+92	RTE M	LT	22 SY PAVEMENT REMOVAL AND 87 LF SAWCUT
4	932+48	932+23	RTE M	LT	44 LF CURB REMOVAL
4	932+47	931+92	RTE M	LT	39 SY SIDEWALK/CURB RAMP REMOVAL
4	927+83	927+74	RTE M	LT	2 SY PAVEMENT REMOVAL AND 15 LF SAWCUT
4	927+83	927+81	RTE M	LT	4 LF CURB REMOVAL
4	927+81	925+35	RTE M	LT	102 SY SIDEWALK REMOVAL
4	925+25		RTE M	LT	65 SY ENTRANCE PAVEMENT REMOVAL AND 67 LF SAWCUT
4	925+14	923+25	RTE M	LT	80 SY SIDEWALK REMOVAL
4	923+12		RTE M	LT	60 SY ENTRANCE PAVEMENT REMOVAL AND 67 LF SAWCUT
5	923+00	921+92	RTE M	LT	46 SIDEWALK REMOVAL
5	921+82		RTE M	LT	56 ENTRANCE PAVEMENT REMOVAL AND 62 LF SAWCUT
5	921+71	919+53	RTE M	LT	83 SY SIDEWALK REMOVAL
5	921+15		RTE M	LT	5 LF FENCE REMOVAL
5	919+17		RTE M	LT	137 SY PAVEMENT REMOVAL AND 168 LF SAWCUT
5	918+92	914+29	RTE M	LT	189 SY SIDEWALK REMOVAL
5	914+72		RTE M	LT	SIGN REMOVAL
5	914+52		RTE M	RT	SIGN REMOVAL
5	914+45		RTE M	LT	SIGN REMOVAL
5	914+13		RTE M	LT	80 SY ENTRANCE REMOVAL AND 82 LF SAWCUT
5	914+75	914+49	RTE M	LT	27 LF 15" PIPE REMOVAL
5	914+65	914+14	RTE M	RT	23 SY SIDEWALK REMOVAL
5	914+39	913+89	RTE M	LT	50 LF 15" PIPE REMOVAL
5	913+95		RTE M	RT	88 SY ENTRANCE REMOVAL AND 107 LF SAWCUT
5	913+76	912+51	RTE M	RT	50 SY SIDEWALK REMOVAL
5-6	912+16		RTE M	RT	201 SY ENTRANCE REMOVAL AND 241 LF SAWCUT
6	911+36	904+68	RTE M	RT	672 LF SAWCUT
6	911+87	903+66	RTE M	RT	341 SY SIDEWALK REMOVAL
6	909+69	903+94	RTE M	RT	581 LF CURB REMOVAL
6	903+30		RTE M	RT	461 SY PAVEMENT REMOVAL AND 331 LF SAWCUT
6-7	903+02	897+17	RTE M	RT	240 SY SIDEWALK REMOVAL
6	902+96		RTE M	LT	11 LF SAWCUT
6	902+91		RTE M	LT	18" FLARED END SECTION
6	902+89	902+86	RTE M	RT	4 LF SAWCUT
6	902+87	902+80	RTE M	LT	2 SY PAVEMENT REMOVAL AND 13 LF SAWCUT
6	902+82	902+07	RTE M	RT	76 LF CURB REMOVAL
6-7	901+74	897+45	RTE M	RT	429 LF SAWCUT
7	900+60	897+43	RTE M	RT	318 LF CURB REMOVAL
7					5 SY SIDEWALK REMOVAL AND 10 LF SAWCUT
7	896+40		RTE M	RT	SIGN REMOVAL
					TOTAL 1 LUMP SUM

MOBILIZATION	1 LUMP SUM
ADDITIONAL MOBILIZATION FOR SEEDING	2 EACH
CONTRACTOR FURNISHED SURVEYING AND STAKING	1 LUMP SUM
REPLACE DOWN GUY WITH SIDEWALK GUY WIRE	1 LUMP SUM

LINEAR GRADING CLASS 2

SHEET	STATION	STATION	ROUTE	LOCATION	LINEAR GRADING CLASS 2 STA	REMARKS
4	1055+17	1055+25	RTE 61	LT	0.3	
4	932+45	931+92	RTE M	LT	0.8	
4	927+83	925+25	RTE M	LT	2.7	
4	925+15	923+11	RTE M	LT	2.1	
5	923+01	921+82	RTE M	LT	1.3	
5	921+72	919+20	RTE M	LT	2.5	
5	918+93	914+65	RTE M	LT	4.3	
6	902+99	897+13	RTE M	LT	0.5	
7	897+50	897+13	RTE M	RT	0.6	
				SUBTOTAL=	15.1	
				PAY TOTAL=	15.1	

CONCRETE SIDEWALK, CURB RAMPS AND TRUNCATED DOMES

SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE CURB RAMP SY	TRUNCATED DOMES SF	CONCRETE SIDEWALK, 4" SY	REMARKS
4	1055+16	1055+27	RTE 61	LT	20.5	21.0	2.8	
4	932+45	932+35	RTE M	LT	9.3	10.3		
4	932+40	931+92	RTE M	LT			36.7	
4	927+78	927+63	RTE M	LT	10.3	18.0		
4	927+63	925+43	RTE M	LT			122.6	
4	925+42	925+35	RTE M	LT	4.3			
4	925+15	925+08	RTE M	LT	4.3			
4	925+08	923+30	RTE M	LT			98.4	
4	923+31	923+23	RTE M	LT	5.1			
4-5	923+01	922+94	RTE M	LT	4.2			
5	922+94	921+98	RTE M	LT			53.2	
5	921+98	921+92	RTE M	LT	4.0			
5	921+72	921+65	RTE M	LT	4.2			
5	921+66	919+61	RTE M	LT			116.4	
5	919+61	919+44	RTE M	LT	8.7	17.7		
5	918+93	918+87	RTE M	LT	3.9	10.0		
5	918+87	914+33	RTE M	LT			255.7	
5	914+65	914+12	RTE M	RT			28.5	
5	914+34	914+25	RTE M	LT	4.4	10.0		
5	914+04	913+97	RTE M	LT	4.0	10.0		
5	913+97	913+08	RTE M	LT			49.1	
5	913+78	913+08	RTE M	RT			38.1	
5	913+08	913+02	RTE M	LT	13.5	12.0		
5	913+08	913+02	RTE M	RT	9.2	12.0		
5	913+02	912+67	RTE M	RT			19.8	
5	912+67	912+54	RTE M	RT	5.6			
6	911+86	911+66	RTE M	RT	9.9			
6	911+66	903+81	RTE M	RT			520.1	
6	903+85	903+63	RTE M	RT	10.3	18.9		
6	902+99	902+75	RTE M	RT	13.4	27.8		
6	902+97	902+79	RTE M	LT			24.4	
6	902+89	902+81	RTE M	RT			10.5	
6	902+87	902+79	RTE M	LT	8.9	16.0		
6-7	902+81	897+17	RTE M	RT			377.6	
7	897+23	897+13	RTE M	RT	4.4	10.0		
				SUBTOTAL=	162.4	193.7	1753.9	
				PAY TOTAL=	162.4	194	1753.9	

PAVEMENT

SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE PAVEMENT (8 IN. NON-REINF) SY	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	REMARKS
4	1055+14	1055+26	RTE 61	LT	3.7	3.7	
4	932+50	931+92	RTE M	LT	21.7	21.7	
4	927+83	927+74	RTE M	LT	2.2	2.2	
6	904+68	901+74	RTE M	RT	448.1	448.1	TRAUTMAN IND. COURT
6	602+87	902+79	RTE M	LT	1.9	1.9	
				SUBTOTAL=	477.6	478	
				PAY TOTAL=	477.6	(1)	

(1) SEE AGGREGATE BASE TABLE FOR PAY TOTAL

EARTHWORK

ROUTE	CLASS A EXCAVATION CY	EMBANKMENT IN PLACE CY	COMPACTING EMBANKMENT CY	REMARKS
ROUTE M - STA. 914+64.62 TO STA. 897+50.00	110	1407	110	
SUBTOTAL=	110	1407	110	
PAY TOTAL=	110	1407	110	

AGGREGATE BASE

	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	REMARKS
AGGREGATE SUBTOTAL FROM PAVEMENT TABLE	478	
AGGREGATE SUBTOTAL FROM PAVED APPROACH TABLE	676	
AGGREGATE SUBTOTAL FROM CURB TABLE	367	
SUBTOTAL=	1521	
PAY TOTAL=	1521	

SUMMARY OF QUANTITIES
SHEET 1 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 11/21/2023

ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	3

COUNTY: STE. GENEVIEVE

JOB NO.: J9S3449B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608
HRGreen®

UTILITY ADJUSTMENTS

SHEET	STATION	ROUTE	LOCATION	ADJUSTING MANHOLE EACH	ADJUSTING WATER METER OR VALVE EACH	REMARKS
4	924+38	RTE M	LT	1		
5	921+66	RTE M	LT		1	WATER METER
6	906+24	RTE M	RT			
6	904+38	RTE M	RT			
6	902+88	RTE M	RT		1	WATER VALVE
6	902+79	RTE M	RT			
7	897+23	RTE M	RT		1	WATER VALVE
			SUBTOTAL=	1	3	

PAVED APPROACH AND ASPHALT

SHEET	STATION	ROUTE	LOCATION	PAVED APPROACH, 8" SY	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (1.948 TON	REMARKS
4	1055+15	RTE 61	LT			2.4	
4	925+25	RTE M	LT	64.5	64.5		
4	923+12	RTE M	LT	59.5	59.5		
5	921+82	RTE M	LT	56.1	56.1		
5	919+17	RTE M	LT	137.1	137.1		
5	914+13	RTE M	LT	70.0	70.0	3.4	
5	913+95	RTE M	RT	87.8	87.8		
5-6	912+16	RTE M	RT	200.9	200.9		
			SUBTOTAL=	675.9	676	5.8	
			PAY TOTAL=	675.9	(1)	5.8	

CURB

SHEET	STATION	STATION	ROUTE	LOCATION	MODIFIED CURB AND GUTTER TYPE B LF	TYPE 5 AGGREGATE FOR BASE (4" THICK) SY	INTEGRAL CURB (6" HEIGHT AND UNDER) TYPE A LF	REMARKS
4	1055+14	1055+25	RTE 61	LT			40.6	
4	932+48	931+92	RTE M	LT			84.2	
6	911+52	911+36	RTE M	RT			16.0	
6	911+36	904+68	RTE M	RT	672.0	224		
6	904+68	904+02	RTE M	RT			67.7	
6	902+57	901+74	RTE M	RT			85.1	
6-7	901+74	897+45	RTE M	RT	428.9	143		
7	897+45	897+31	RTE M	RT			19.6	
				SUBTOTAL=	1100.9	367	313.2	
				PAY TOTAL=	1101	(1)	314	

DRAINAGE STRUCTURES AND PIPE CULVERTS

SHEET	STATION	STATION	STRUCTURE ID	ROUTE	LOCATION	CLASS 3 EXCAVATION CY	MANHOLE FRAME AND COVER, TYPE 2 EACH	15" GROUP B PIPE LF	18" GROUP B PIPE LF	PRECAST CONCRETE MANHOLE - 48 IN. LF	18 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION EA	REMARKS
33	914+41	913+90	P-1	RTE M	LT	4		55				
33	913+16	912+92	P-2	RTE M	LT			24				
33	902+93	902+75	P-3	RTE M	LT	2			12			
33	902+93.90		MH -1	RTE M	LT	7	1			3		
33	902+75.20		FES - 2	RTE M	LT						1	
					SUBTOTAL=	13	1	79	12	3	1	
					PAY TOTAL=	13	1	79	12	3	1	

CONCRETE GUTTER WITH STEEL PLATE

SHEET	STATION	ROUTE	LOCATION	CONCRETE GUTTER W/ STEEL PLATE EACH	REMARKS
6	907+40	RTE M	RT	1	
6	905+66	RTE M	RT	1	
7	899+97	RTE M	RT	1	
			SUBTOTAL=	3	
			PAY TOTAL=	3	

SEEDING AND MULCHING

SHEET	STATION	STATION	ROUTE	LOCATION	SEEDING - COOL SEASON GRASSES ACRE	MULCHING ACRE	REMARKS
4	932+48	931+92	RTE M	LT	0.002	0.002	
4	927+83	925+35	RTE M	LT	0.037	0.037	
4	925+15	923+23	RTE M	LT	0.027	0.027	
5	923+01	921+92	RTE M	LT	0.016	0.016	
5	921+72	919+44	RTE M	LT	0.020	0.020	
5	918+93	914+24	RTE M	LT	0.072	0.072	
5	914+65	914+11	RTE M	RT	0.013	0.013	
5	914+04	912+90	RTE M	LT	0.053	0.053	
5	913+79	912+51	RTE M	RT	0.033	0.033	
6	911+86	903+61	RTE M	RT	0.425	0.425	
6	903+05	897+21	RTE M	RT	0.256	0.256	
6-7	902+99	902+74	RTE M	LT	0.007	0.007	
				SUBTOTAL=	0.96	0.96	
				PAY TOTAL=	1.0	1.0	

PAVEMENT EDGE TREATMENT

SHEET	STATION	STATION	ROUTE	LOCATION	PAVEMENT EDGE TREATMENT LF	REMARKS
6	911+80	903+63	RTE M	RT	817	
7	902+92	897+13	RTE M	RT	579	
				SUBTOTAL=	1396	
				PAY TOTAL=	1396	

SUMMARY OF QUANTITIES
SHEET 2 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 8/4/2023

ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	3

COUNTY: STE. GENEVIEVE
JOB NO.: J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608
HRGreen®

TEMPORARY EROSION CONTROL

SHEET	STATION	STATION	LOCATION	ROUTE	SILT FENCE LF	ROCK DITCH CHECK LF	ALTERNATE DITCH CHECK LF	CURB INLET CHECK EA	SEDIMENT REMOVAL CY	REMARKS
24		1055+11	LT	RTE 61				1	1	
24	932+37	931+92	LT	RTE M	64.8				1	
24		926+27	LT	RTE M		12			1	
24		925+50	LT	RTE M		12			1	
24		925+00	LT	RTE M		12			1	
24		923+33	LT	RTE M		12			1	
25		922+92	LT	RTE M		12			1	
25		922+00	LT	RTE M		12			1	
25		921+64	LT	RTE M		12			1	
25		921+18	LT	RTE M			12		1	
25		920+69	LT	RTE M			12		1	
25		920+32	LT	RTE M			12		1	
25		920+08	LT	RTE M			12		1	
25		918+69	LT	RTE M			12		1	
25		918+20	LT	RTE M			12		1	
25		917+71	LT	RTE M			12		1	
25		917+35	LT	RTE M			12		1	
25		917+06	LT	RTE M		12			1	
25		916+69	LT	RTE M		12			1	
25		916+26	LT	RTE M		12			1	
25		915+76	LT	RTE M		12			1	
25		915+07	LT	RTE M		12			1	
25		914+78	RT	RTE M			12		1	
25	914+65	914+13	RT	RTE M	52.6				1	
25		914+45	RT	RTE M			12		1	
25		914+44	LT	RTE M		12			1	
25		913+86	LT	RTE M		12			1	
25	913+78	912+50	RT	RTE M	128.4				1	
25		913+19	LT	RTE M		12			1	
25		912+89	LT	RTE M		12			1	
25		912+44	LT	RTE M		12			1	
26	911+85	903+50	RT	RTE M	877.9				9	
26-27	902+85	897+20	RT	RTE M	598.2				6	
26		902+71	LT	RTE M		12			1	
26		902+57	LT	RTE M		12			1	
				SUBTOTAL=	1721.9	228	120	1	48	
				PAY TOTAL=	1722	228	120	1	48	

PERMANENT EROSION CONTROL

SHEET	STATION	STATION	ROUTE	LOCATION	TYPE 2 REINFORCEMENT MAT SY	REMARKS
5	914+86	914+27	RTE M	LT	84.9	
5	914+03	913+08	RTE M	LT	158.3	
5	913+02	912+78	RTE M	LT	55.0	
6	907+44	907+36	RTE M	RT	11.2	
6	905+71	905+63	RTE M	RT	45.6	
7	900+00	899+92	RTE M	RT	27.0	
				SUBTOTAL=	382.0	
				PAY TOTAL=	382	

RELOCATE SIGN

SHEET	STATION	ROUTE	LOCATION	RELOCATE SIGN EACH	REMARKS
4	1055+21	RTE 61	LT	1	STREET NAME
7	897+20	RTE M	RT	1	STOP SIGN
			SUBTOTAL=	2	
			PAY TOTAL=	2	

PAVEMENT MARKINGS

SHEET	STATION	STATION	ROUTE	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE LF	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE LF	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW EA	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT EA	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK EA	PAVEMENT MARKING REMOVAL LF	PAVEMENT MARKING REMOVAL (SYMBOLS) EA	REMARKS
28	1055+16	1055+33	RTE 61	LT		24	1	1		24	2	STOP BAR
28	1055+30	1055+67	RTE 61	LT	72					73		CROSSWALK MARKING
28	1055+14	1055+26	RTE 61	CTR	123	12				146		CROSSWALK MARKING
28	913+10	913+00	RTE M	CTR					5			CONTINENTAL CROSSWALK
29	902+89	902+79	RTE M	CTR					11			CONTINENTAL CROSSWALK
29	902+75	902+73	RTE M	CTR		10				10		STOP BAR
				SUBTOTAL=	195	46	1	1	16	253	2	
				PAY TOTAL=	195	46	1	1	16	253	2	

SUMMARY OF QUANTITIES
SHEET 3 OF 4

STATE OF MISSOURI
JASON S. DOHRMANN
PE-2004017159
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 9/13/2023
ROUTE M | STATE MO
DISTRICT SE | SHEET NO. 3
COUNTY STE. GENEVIEVE
JOB NO. J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608
HRGreen®

EFFECTIVE: 04-01-2023

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
WO4-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48X48	16.00	1	16.00				SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	4	64.00				ROAD/BRIDGE/RAMP WORK AHEAD, XX FT
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	4	64.00				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	4	64.00				FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32.00				SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32.00				END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)
MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)
MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	4	8.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	2	6.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	2	6.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00	2	16.00				RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE
W11-2	48X48	16.00	4	64.00				PEDESTRIAN WALKING SYMBOL
W16-7P	24X12	2.00	2	4.00				DOUBLE DOWN ARROW PLAQUE
W16-9P	24X12	2.00	2	4.00				AHEAD PLAQUE

	TOTAL
616-10.05 CONSTRUCTION SIGNS	424
616-10.10 RELOCATED SIGNS *	~~0~~

QUANTITIES SHOWN ARE ONLY AN ESTIMATED AMOUNT OF ITEMS NEEDED.

*NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS OR DEVICES.

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	135	CHANNELIZER (TRIM LINE)
6161030	8	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6169902	2	NTCIP COMPLIANT CHANGEABLE MESSAGE SIGN - CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

SUMMARY OF QUANTITIES
SHEET 4 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 9/28/2023
ROUTE M | STATE MO
DISTRICT SE | SHEET NO. 3
COUNTY STE. GENEVIEVE
JOB NO. J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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

HR GREEN, INC.
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SUITE 100
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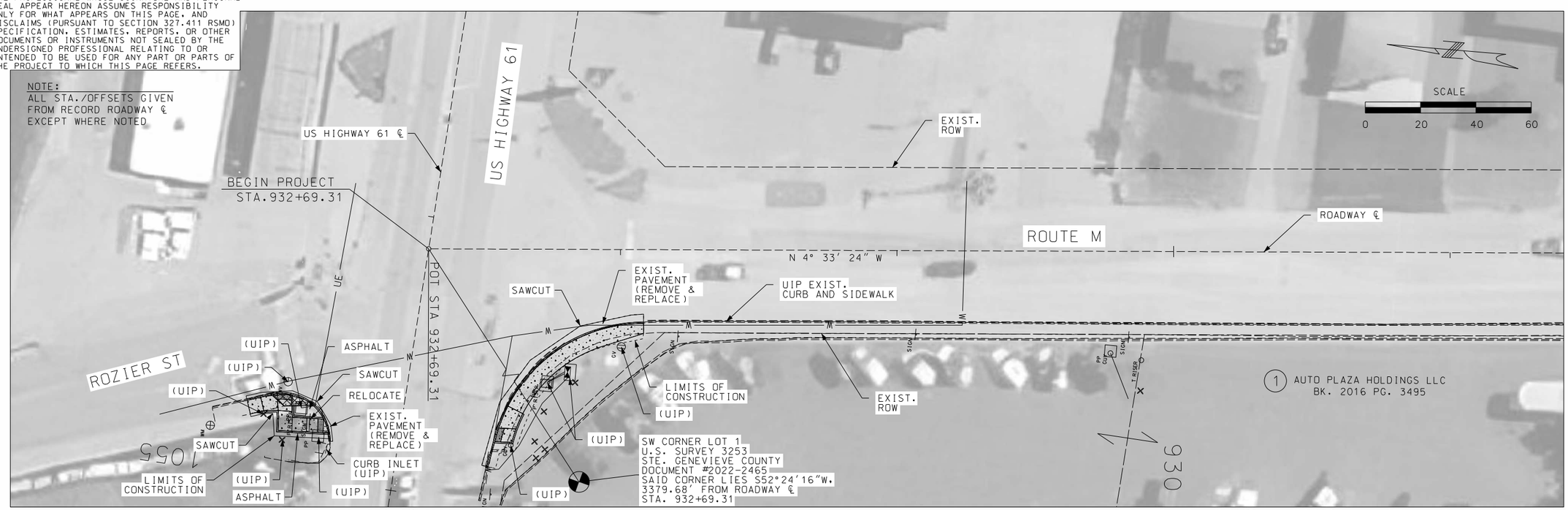

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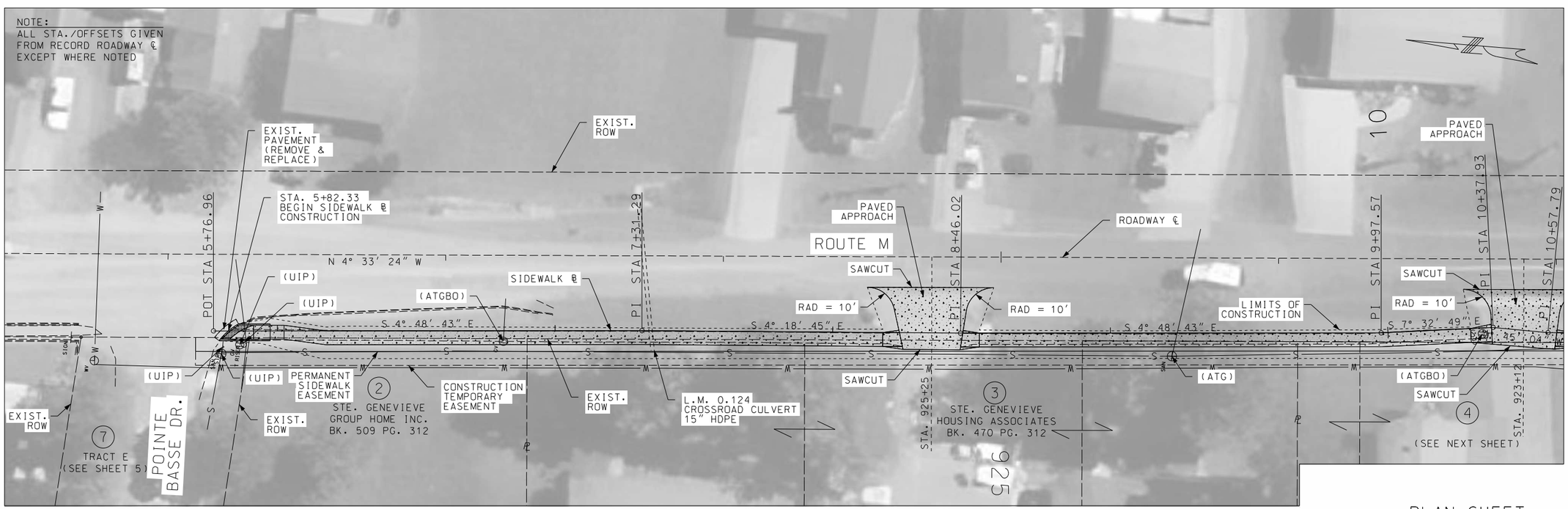

PLAN SHEET
SHEET 1 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	4
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PC 916+98.90
PT 921+81.71
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L 482.81′
T 246.68′
R 954.88′

CURVE SDWKRT_26
PI 13+80.31
PC 13+43.58
PT 14+17.00
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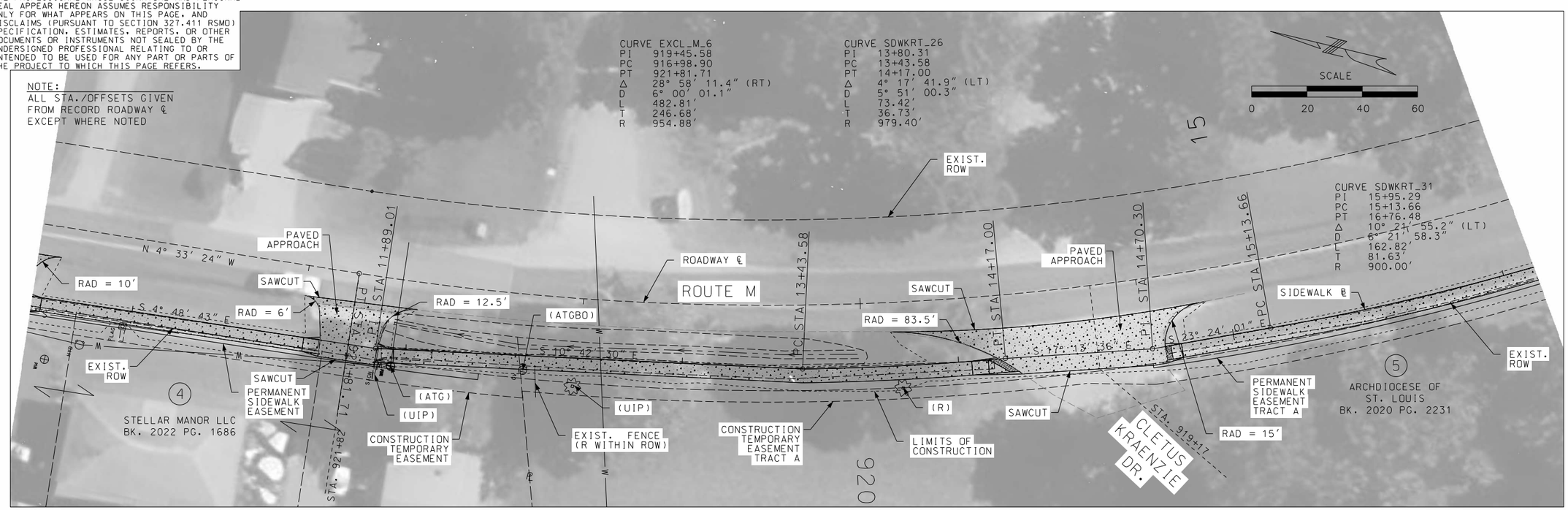

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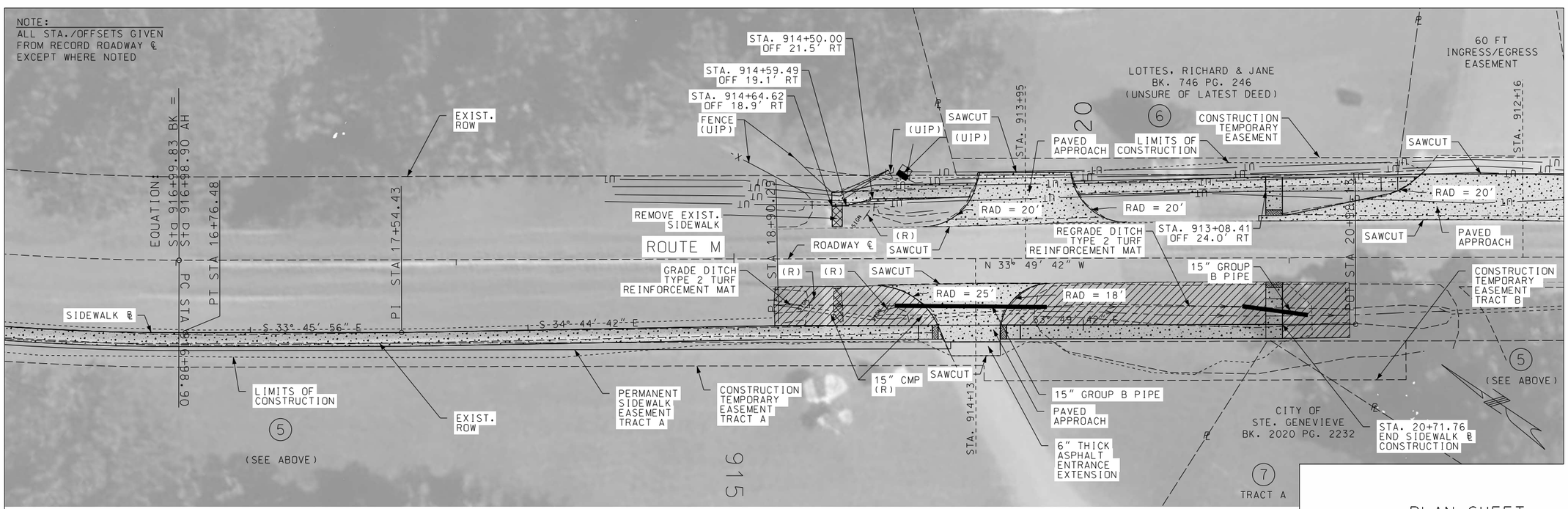

PLAN SHEET
SHEET 2 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	5
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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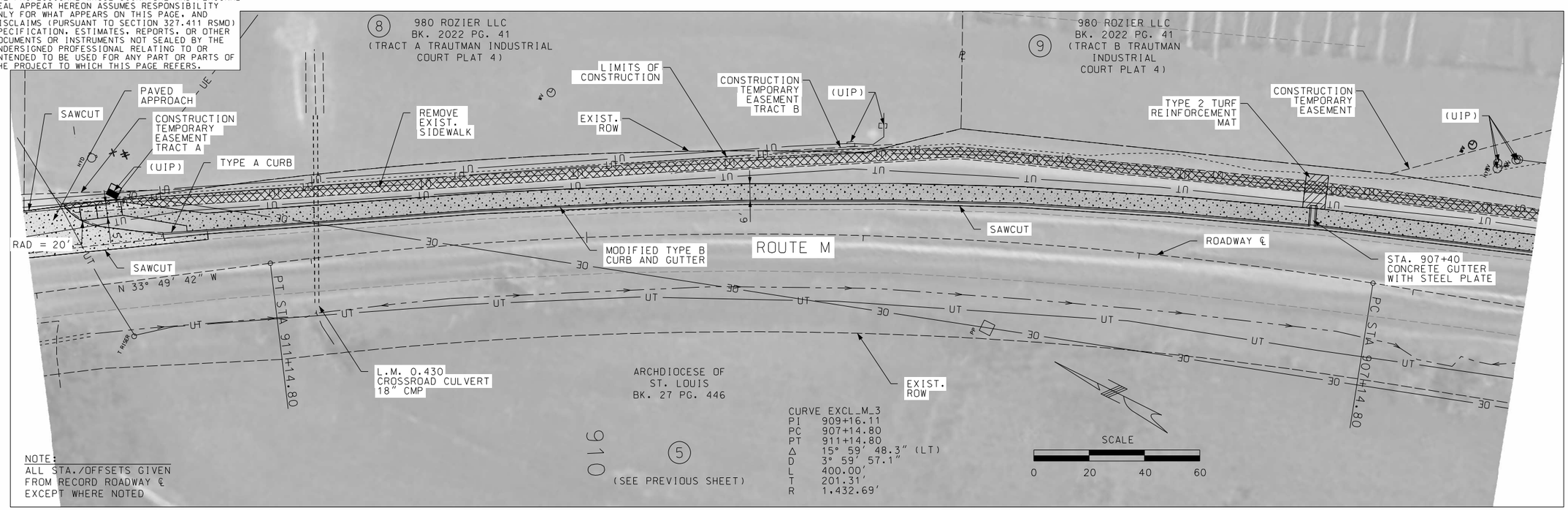

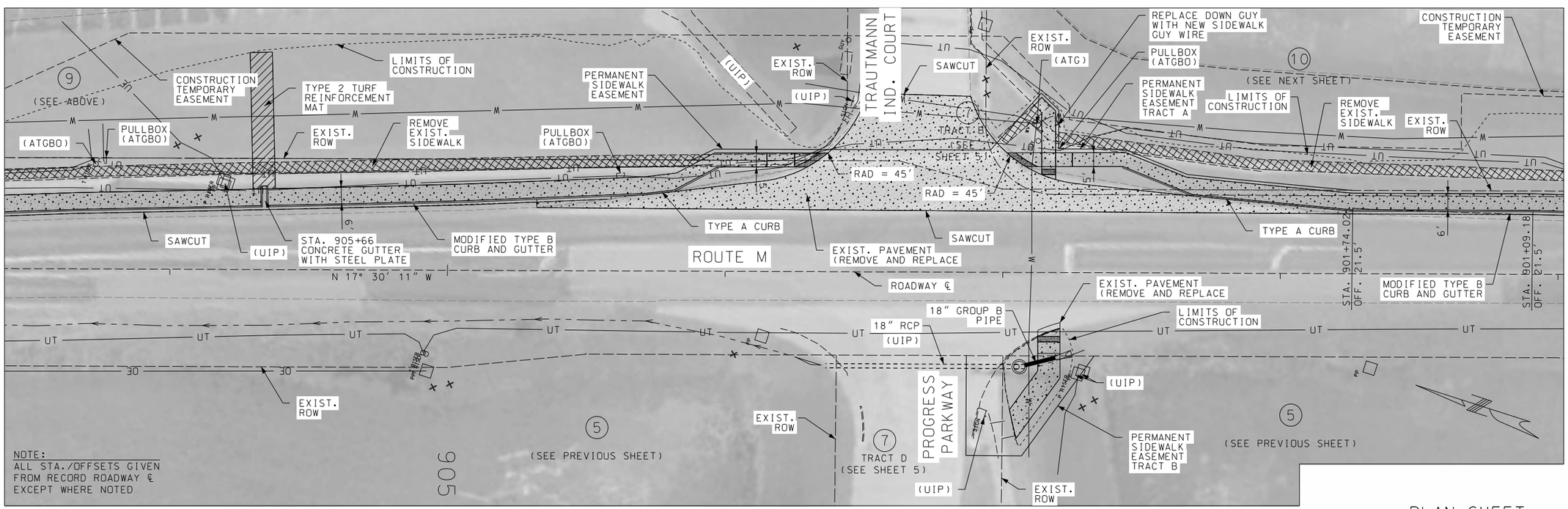

PLAN SHEET
SHEET 3 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	6
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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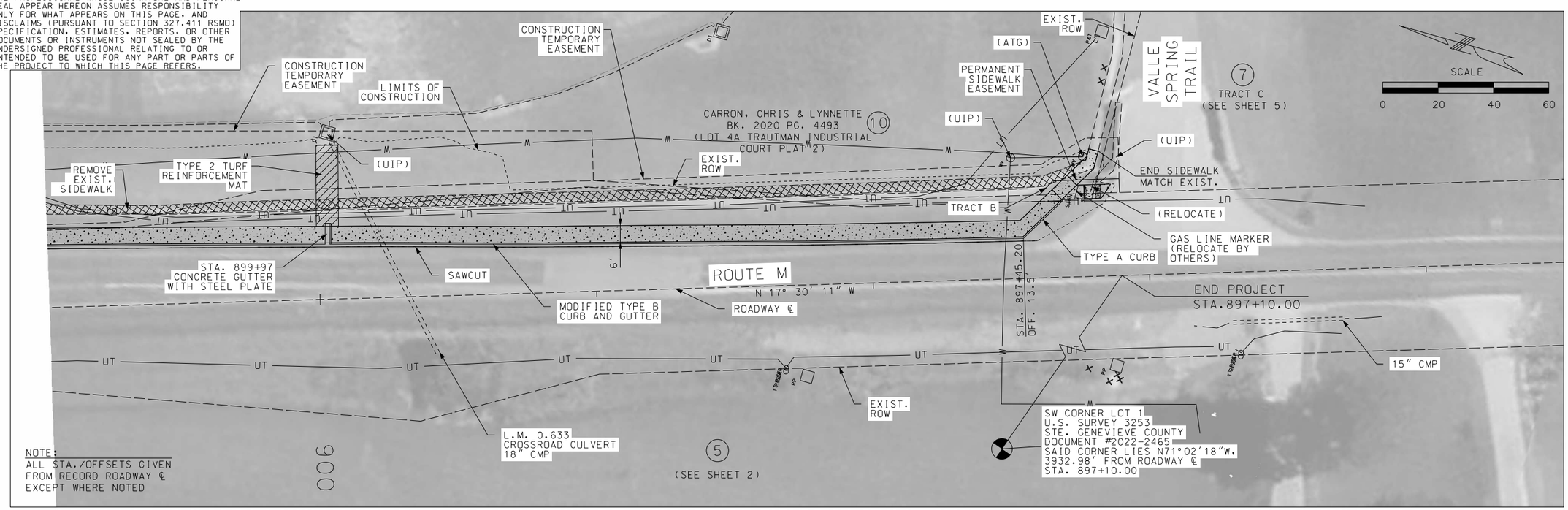

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PLAN SHEET
SHEET 4 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	7
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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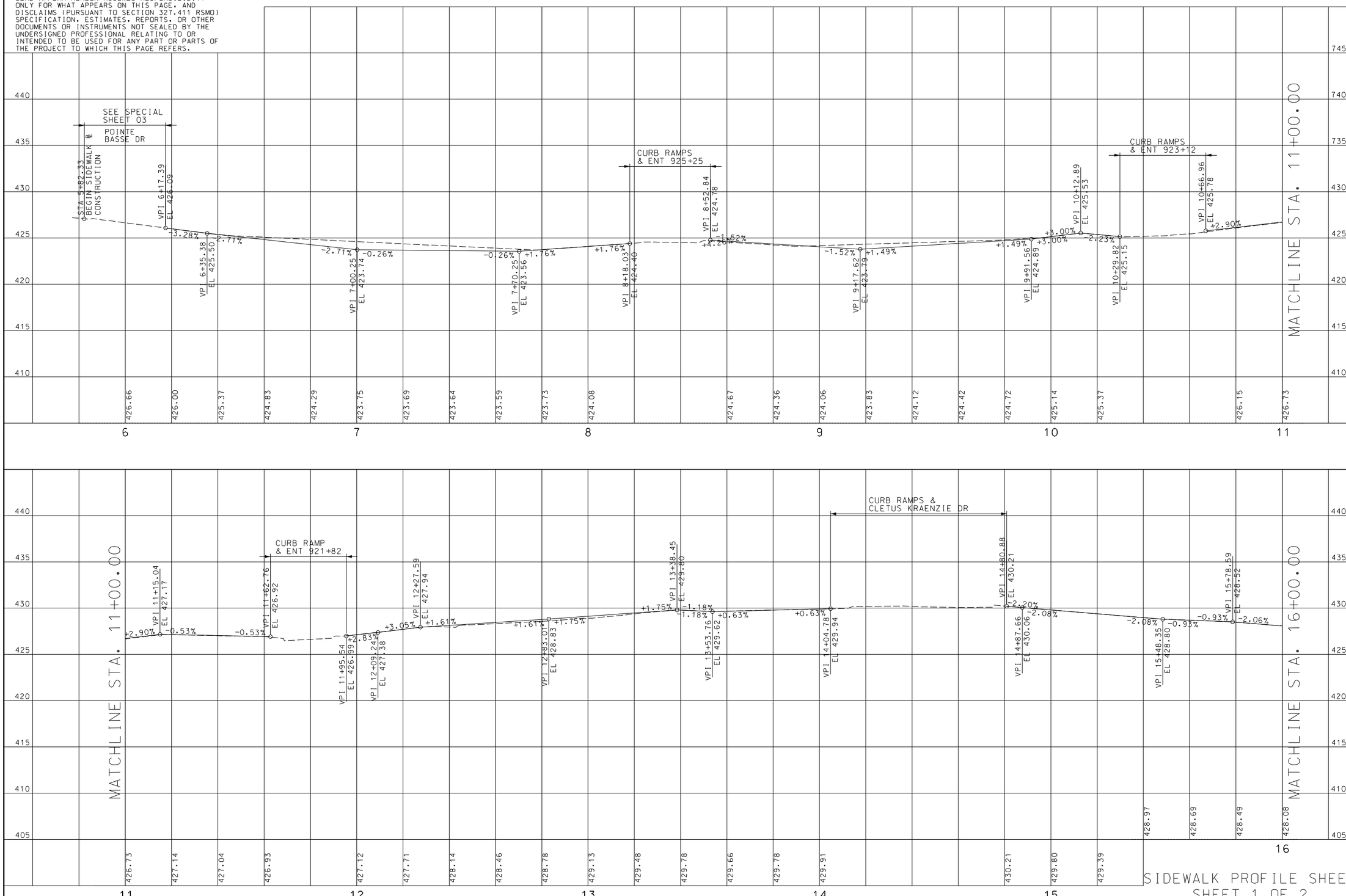

SIDEWALK PROFILE SHEET
SHEET 1 OF 2

STATE OF MISSOURI
JASON S. DOHRMANN
PE-2004017159
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
9/13/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	8
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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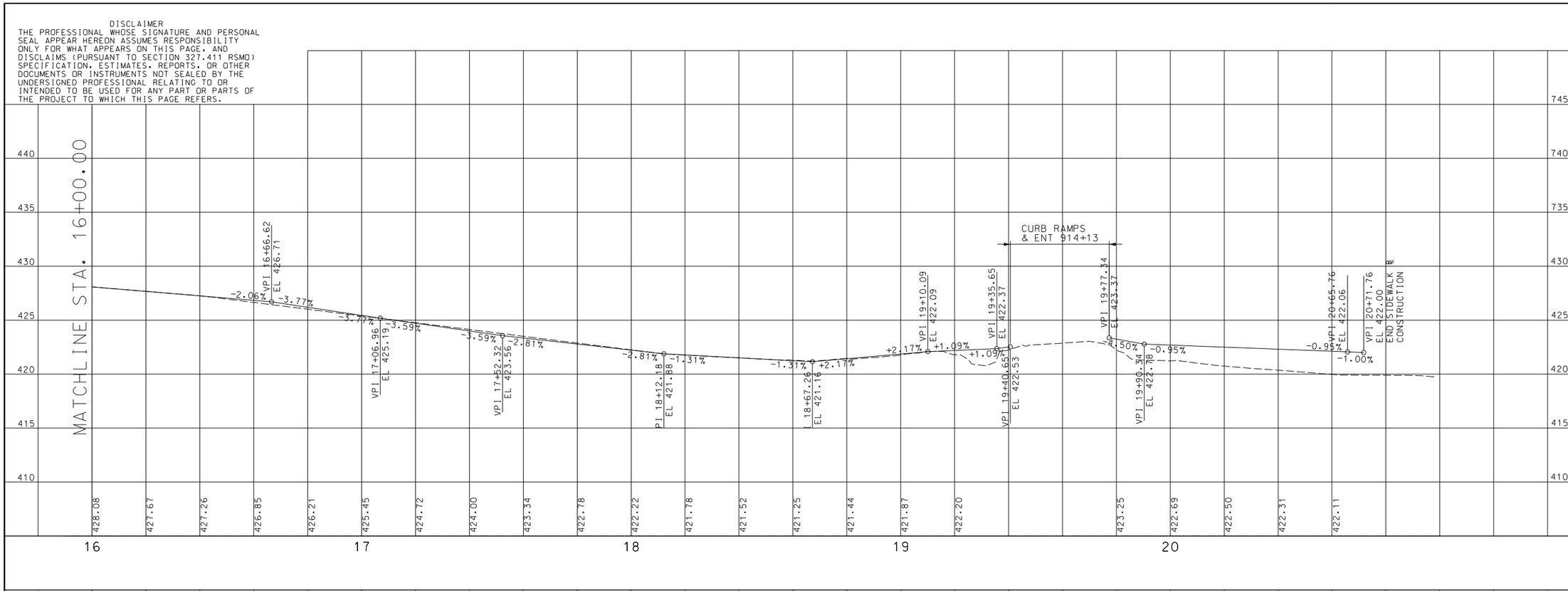

SIDEWALK PROFILE SHEET
SHEET 2 OF 2

STATE OF MISSOURI
JASON S. DOHRMANN
PE-2004017159
PROFESSIONAL ENGINEER

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DATE PREPARED	
9/13/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	9
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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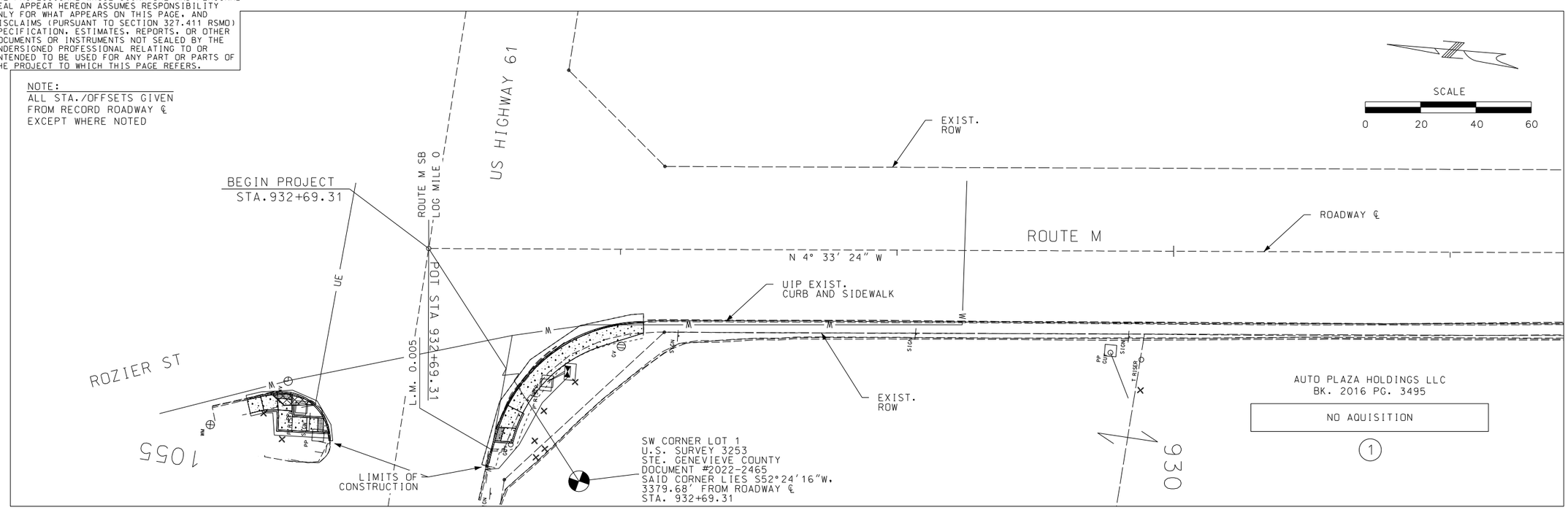

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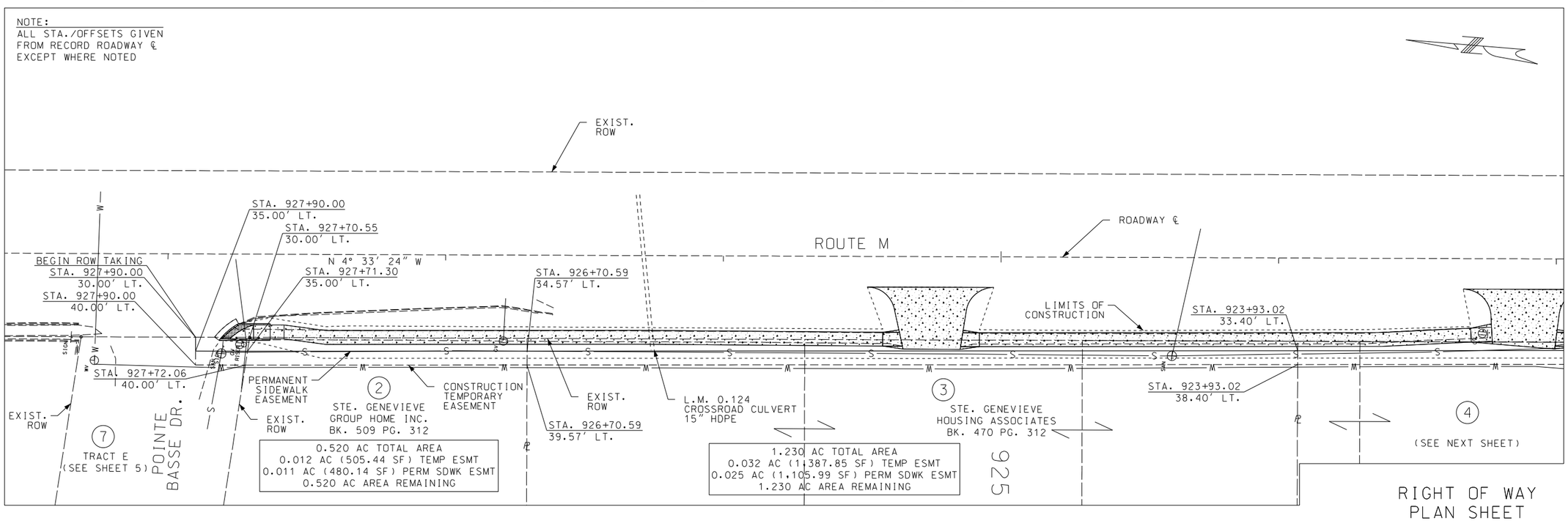

RIGHT OF WAY
PLAN SHEET
SHEET 1 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	10
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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EXCEPT WHERE NOTED

CURVE EXCL_M_6
PI 919+45.58
PC 916+98.90
PT 921+81.71
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D 6° 00′ 01.1″
L 482.81′
T 246.68′
R 954.88′

SCALE
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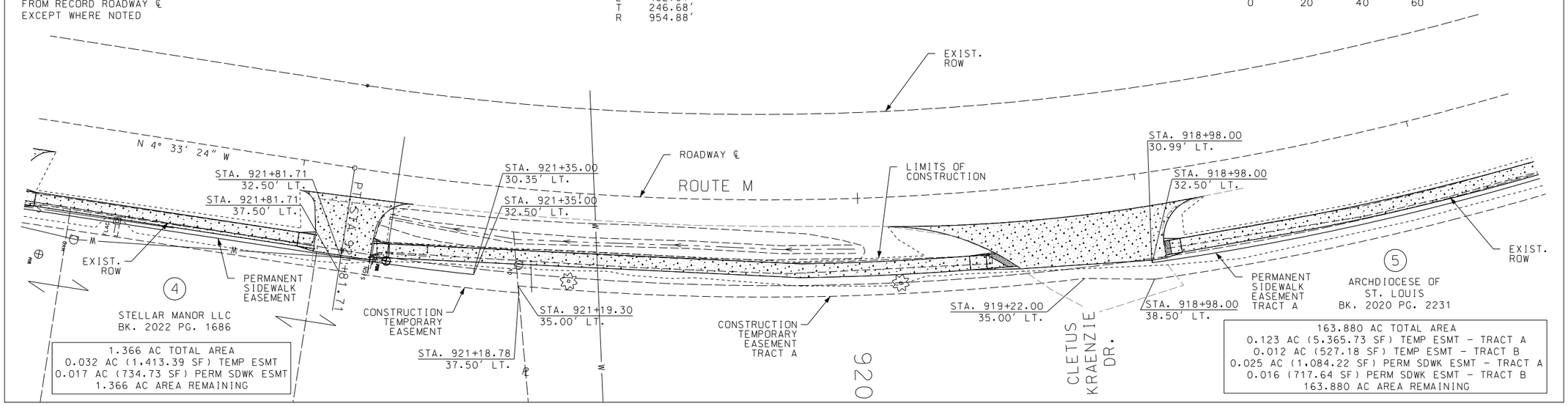

1.366 AC TOTAL AREA
0.032 AC (1,413.39 SF) TEMP ESMT
0.017 AC (734.73 SF) PERM SDWK ESMT
1.366 AC AREA REMAINING

163.880 AC TOTAL AREA
0.123 AC (5,365.73 SF) TEMP ESMT - TRACT A
0.012 AC (527.18 SF) TEMP ESMT - TRACT B
0.025 AC (1,084.22 SF) PERM SDWK ESMT - TRACT A
0.016 (717.64 SF) PERM SDWK ESMT - TRACT B
163.880 AC AREA REMAINING

FOR INFORMATION ONLY

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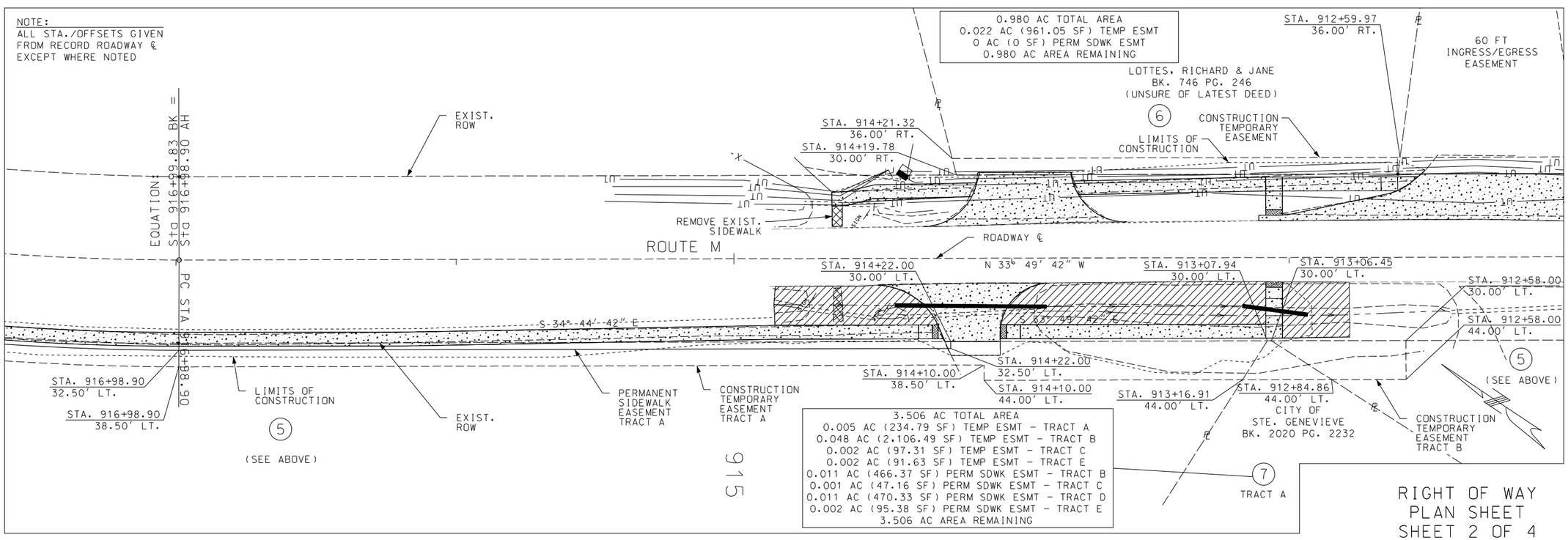
FROM RECORD ROADWAY ℄
EXCEPT WHERE NOTED



0.980 AC TOTAL AREA
0.022 AC (961.05 SF) TEMP ESMT
0 AC (0 SF) PERM SDWK ESMT
0.980 AC AREA REMAINING

3.506 AC TOTAL AREA
0.005 AC (234.79 SF) TEMP ESMT - TRACT A
0.048 AC (2,106.49 SF) TEMP ESMT - TRACT B
0.002 AC (97.31 SF) TEMP ESMT - TRACT C
0.002 AC (91.63 SF) TEMP ESMT - TRACT E
0.011 AC (466.37 SF) PERM SDWK ESMT - TRACT B
0.001 AC (47.16 SF) PERM SDWK ESMT - TRACT C
0.011 AC (470.33 SF) PERM SDWK ESMT - TRACT D
0.002 AC (95.38 SF) PERM SDWK ESMT - TRACT E
3.506 AC AREA REMAINING

RIGHT OF WAY
PLAN SHEET
SHEET 2 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	11
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE, SUITE 100
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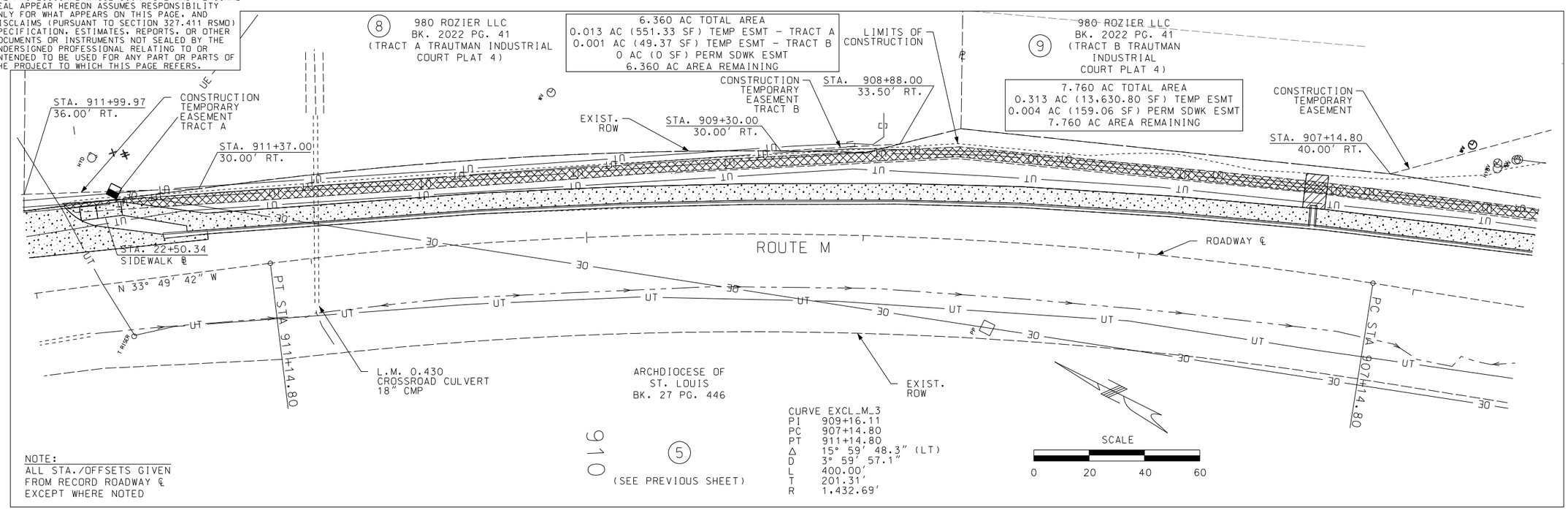
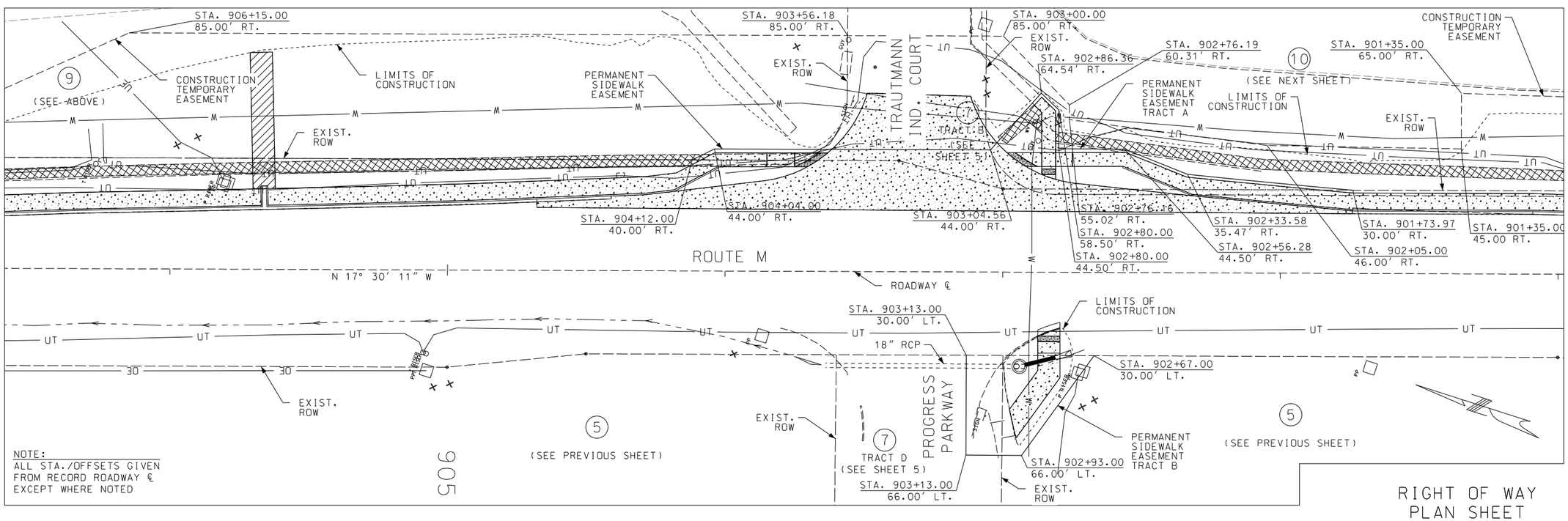


NOTE:
ALL STA./OFFSETS GIVEN FROM RECORD ROADWAY ℄ EXCEPT WHERE NOTED

FOR INFORMATION ONLY



NOTE:
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RIGHT OF WAY
PLAN SHEET
SHEET 3 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	12
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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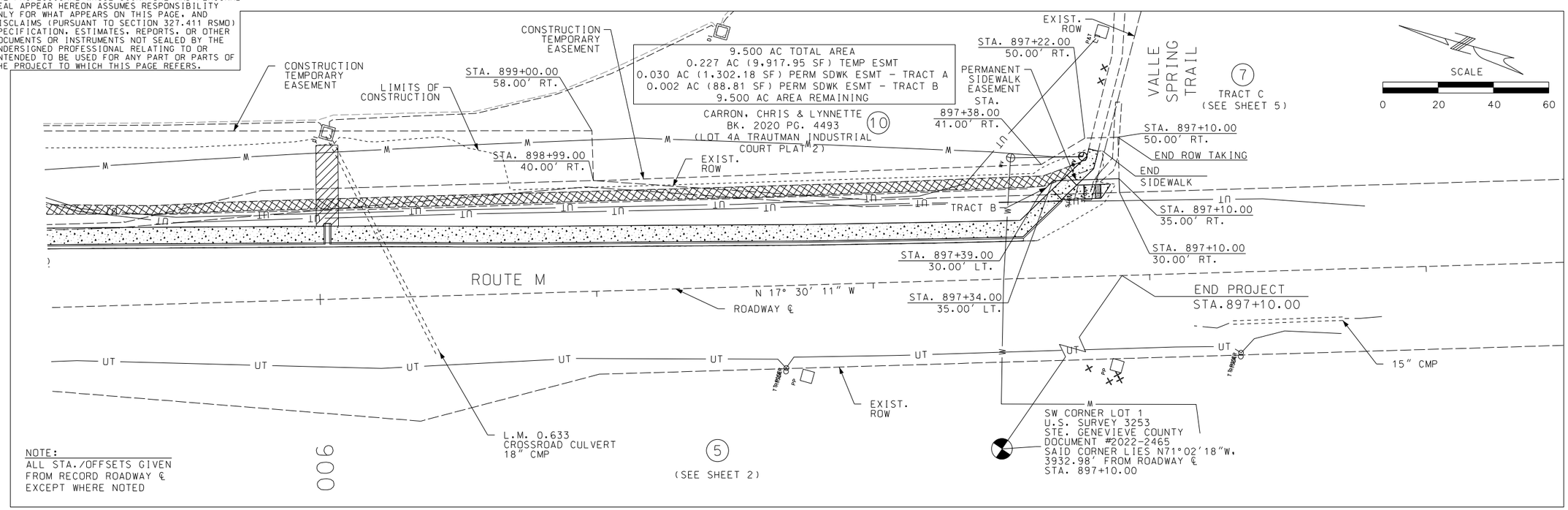

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FOR INFORMATION ONLY

RIGHT OF WAY
PLAN SHEET
SHEET 4 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	13
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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ALIGNMENT: EXCL_M (RECORD ROADWAY CENTERLINE)								
TANGENT	POE	879+31.30	772409.2737	952477.1318				
TANGENT	PC	907+14.80	775063.9002	951639.975				
CURVE	PC	907+14.80	775063.9002	951639.9756				
CURVE	PI	909+16.11	775255.8892	951579.4305	1432.69	400.00	15° 59′48.30″	LEFT
CURVE	CC		774633.0105	950273.6222				
CURVE	PT	911+14.80	775423.7586	951468.321				
TANGENT	PT	911+14.80	775423.7586	951468.321				
TANGENT	PC	916+98.90	775909.7445	951142.6336				
CURVE	PC	916+98.90	775909.7445	951142.6336				
CURVE	PI	919+45.58	776115.4037	951006.4147	954.88	482.81	28° 58′11.35″	LEFT
CURVE	CC		776437.0369	951938.7235				
CURVE	PT	921+81.71	776361.3072	950986.8509				
TANGENT	PT	921+81.71	776361.3072	950986.8509				
TANGENT	POB	932+69.31	777445.4696	950900.4465				
ALIGNMENT: EXCL_61 (ROADWAY CENTERLINE)								
TANGENT	POB	1052+88.40	777467.3177	950601.2397				
TANGENT	POE	1058+88.40	777423.6184	951199.6462				
ALIGNMENT: SDWKRT								
TANGENT	POB	5+76.96	776959.0645	950911.5075				
TANGENT	PI	7+31.29	776805.2849	950924.453				
TANGENT	PI	7+31.29	776805.2849	950924.453				
TANGENT	PI	8+46.02	776690.8805	950933.0803				
TANGENT	PI	8+46.02	776690.8805	950933.0803				
TANGENT	PI	9+97.57	776539.8661	950945.793				
TANGENT	PI	9+97.57	776539.8661	950945.793				
TANGENT	PI	10+37.93	776499.8555	950951.0939				
TANGENT	PI	10+37.93	776499.8555	950951.0939				
TANGENT	PI	10+57.79	776479.9905	950950.8335				
TANGENT	PI	10+57.79	776479.9905	950950.8335				
TANGENT	PI	11+89.01	776349.2364	950961.8407				
TANGENT	PI	11+89.01	776349.2364	950961.8407				
TANGENT	PC	13+43.58	776197.3532	950990.5625				
CURVE	PC	13+43.58	776197.3532	950990.5625				
CURVE	PI	13+80.31	776161.7644	950999.6296	979.4	73.42	4° 17′42″	LEFT
CURVE	PT	14+17.00	776126.9545	951011.3366				
TANGENT	PT	14+17.00	776126.9545	951011.3366				
TANGENT	PI	14+70.30	776076.0478	951027.1207				
TANGENT	PI	14+70.30 R1	776076.0478	951027.1207				
TANGENT	PC	15+13.66 R1	776036.2553	951044.3408				
CURVE	PC	15+13.66 R1	776036.2553	951044.3408				
CURVE	PI	15+95.29 R1	775961.3375	951076.7611	900	162.82	10° 21′55″	LEFT
CURVE	PT	16+76.48 R1	775893.4755	951122.1319				
TANGENT	PT	16+76.48 R1	775893.4755	951122.1319				
TANGENT	PI	17+54.43 R1	775828.6722	951165.4577				
TANGENT	PI	17+54.43 R1	775828.6722	951165.4577				
TANGENT	PI	18+90.29 R1	775717.0388	951242.8862				
TANGENT	PI	18+90.29 R1	775717.0388	951242.8862				
TANGENT	POE	20+98.13 R1	775544.3801	951358.5946				

ALIGNMENT INFORMATION
SHEET 1 OF 1

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 8/4/2023

ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	14

COUNTY: STE. GENEVIEVE
JOB NO.: J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

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

HR GREEN, INC.
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NOTE: ELEVATIONS ARE SHOWN AT FLOWLINE OR EDGE OF PAVEMENT

GENERAL CURB AND SIDEWALK NOTES:

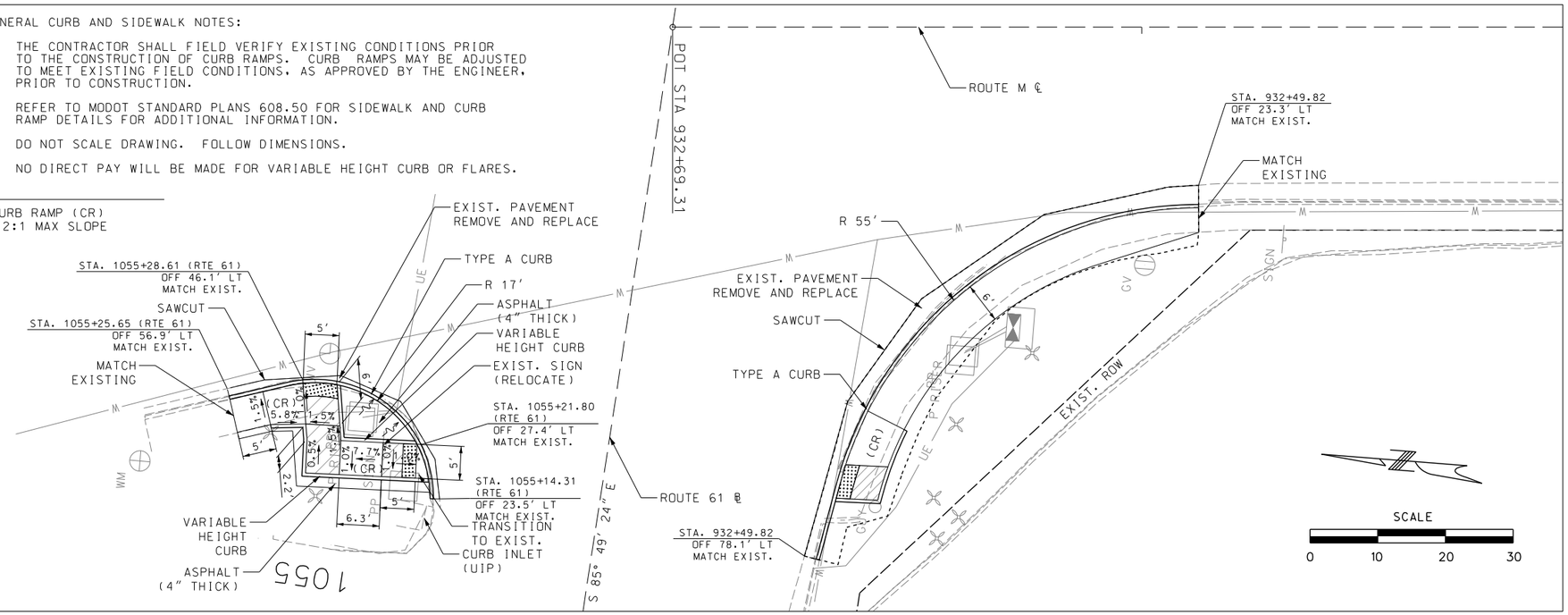
1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE CONSTRUCTION OF CURB RAMPS. CURB RAMPS MAY BE ADJUSTED TO MEET EXISTING FIELD CONDITIONS, AS APPROVED BY THE ENGINEER, PRIOR TO CONSTRUCTION.
2. REFER TO MODOT STANDARD PLANS 608.50 FOR SIDEWALK AND CURB RAMP DETAILS FOR ADDITIONAL INFORMATION.
3. DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
4. NO DIRECT PAY WILL BE MADE FOR VARIABLE HEIGHT CURB OR FLARES.

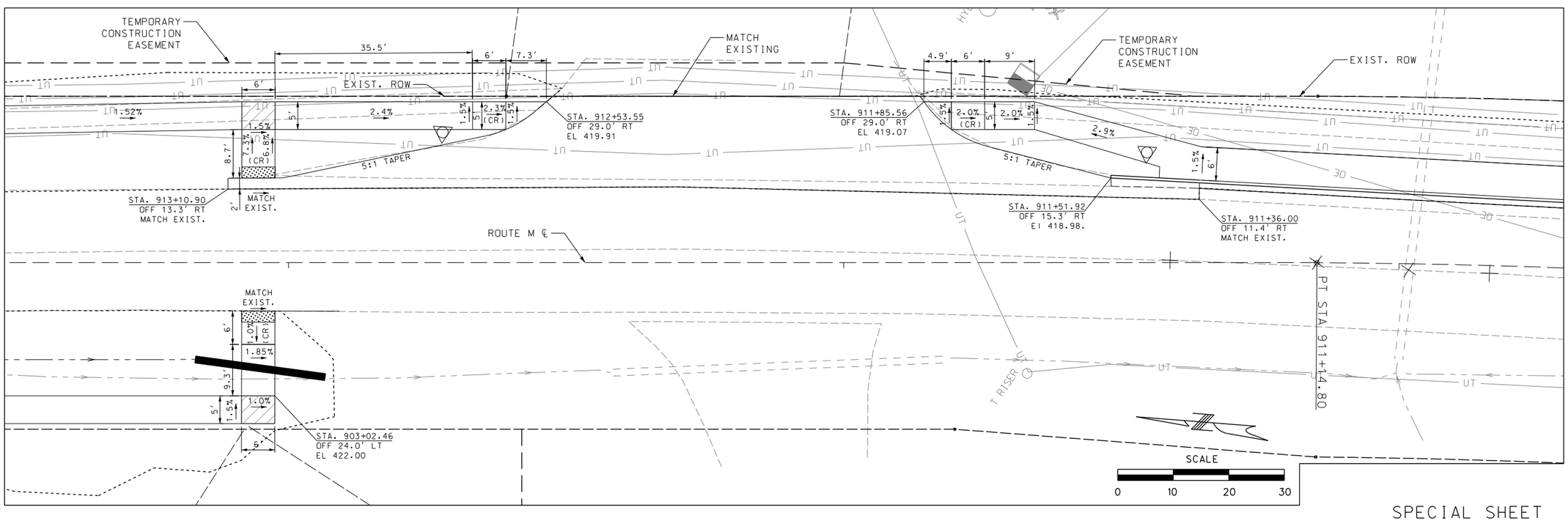
LEGEND

DETECTABLE WARNING SURFACE

LANDING AREA 1.5% (TYP) (2.0% MAX) OR ROAD GRADE EXCEPTION

CURB RAMP (CR) 12:1 MAX SLOPE





SPECIAL SHEET
SHEET 1 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
11/21/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	15

COUNTY: STE. GENEVIEVE
JOB NO.: J9S3449B
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)

HR GREEN, INC.
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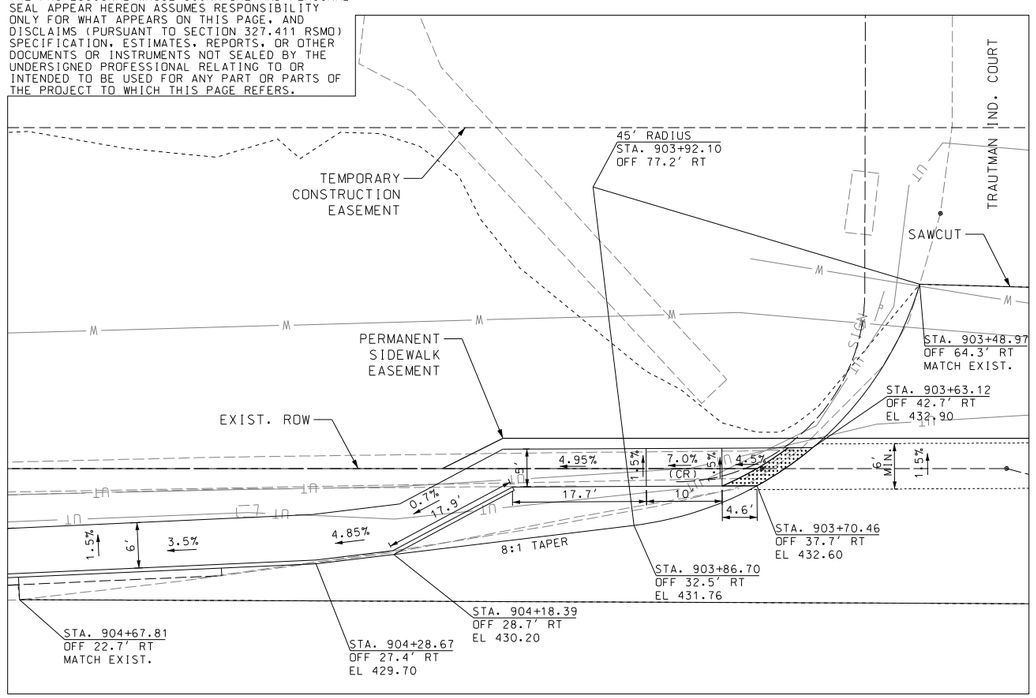

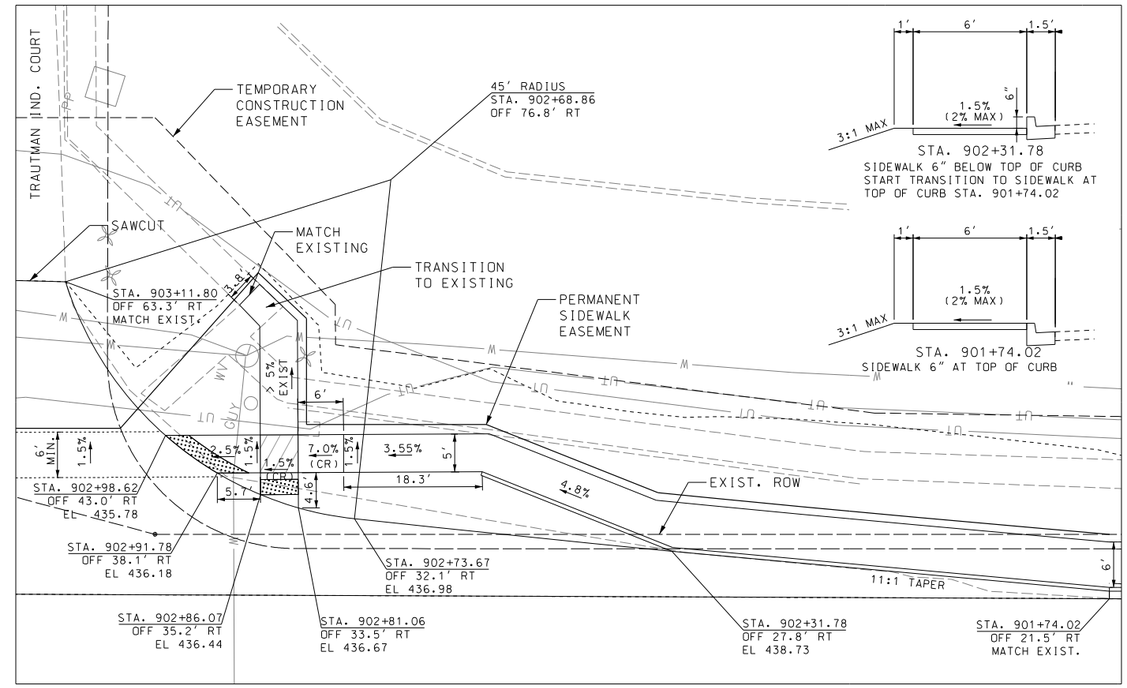

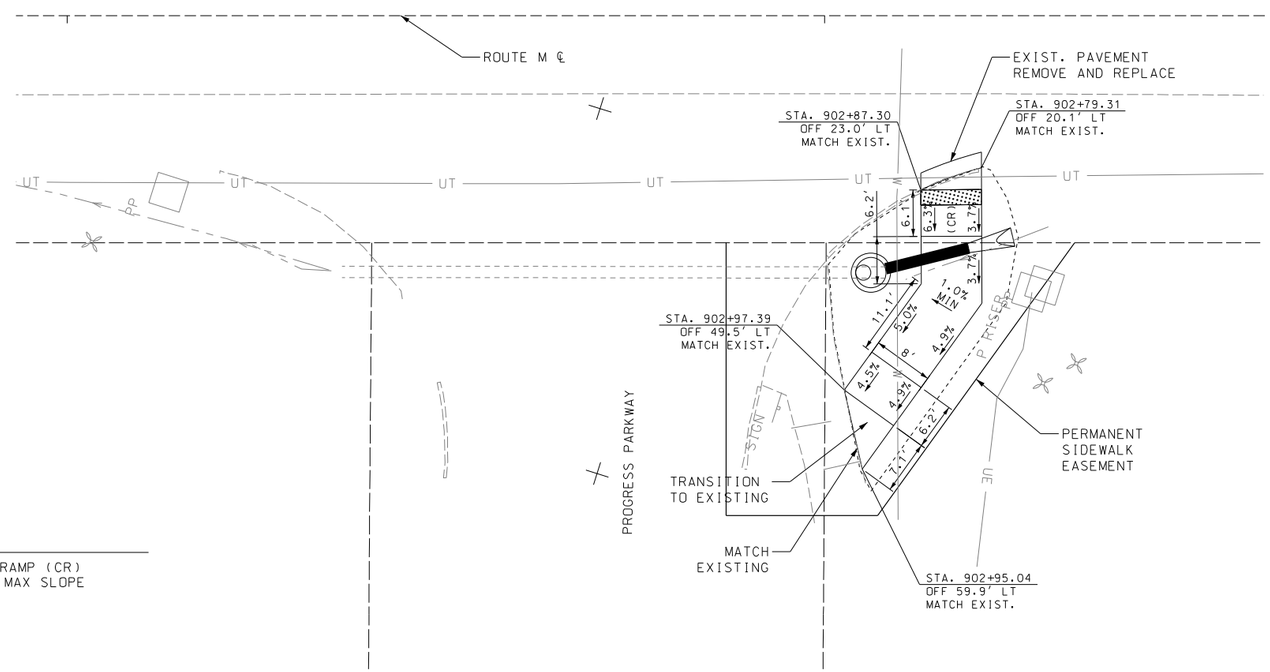

LEGEND

DETECTABLE WARNING SURFACE

CURB RAMP (CR) 12:1 MAX SLOPE

LANDING AREA 1.5% (TYP) (2.0% MAX) OR ROAD GRADE EXCEPTION

SPECIAL SHEET
SHEET 2 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	16
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

HR GREEN, INC.
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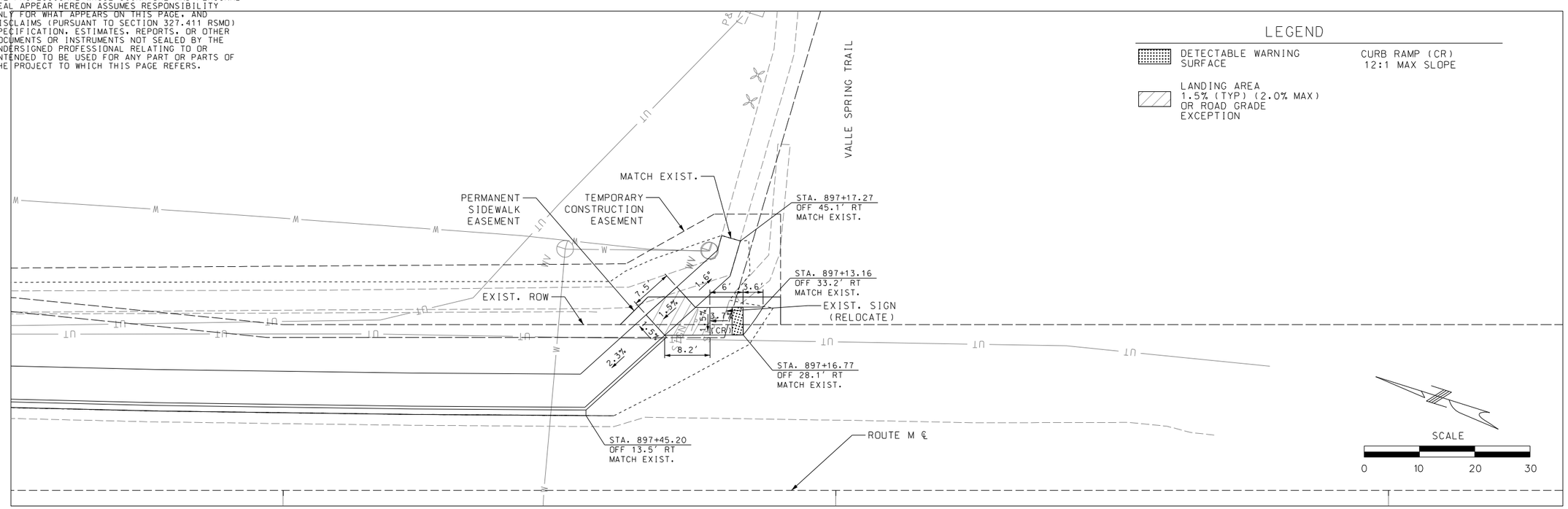

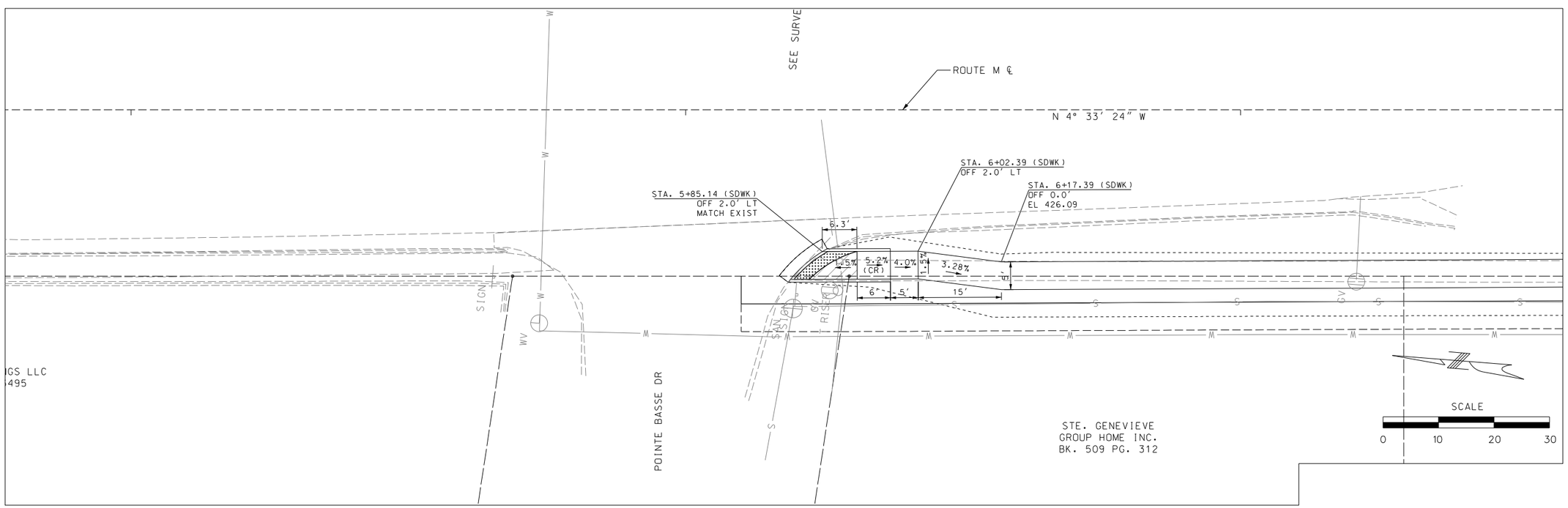

SPECIAL SHEET
SHEET 3 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	17
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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TRAFFIC CONTROL GENERAL NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. FLAGGING OPERATIONS WILL BE ALLOWED DURING DAYLIGHT HOURS ONLY.
3. SIGN SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDTIONS.
4. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING OF TCP SIGNS.
5. COMPLETELY COVER OR REMOVE EXITSING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL SIGNING.
6. CHANGEABLE MESSAGE SIGN LOCATIONS TO BE APPROVED BY THE ENGINEER.
7. ITEMS IDENTIFIED IN THE MUTCD AS OPTIONAL MAY BE USED AT THE DESCRETION OF THE CONTRACTOR. OPTIONAL ITEMS WILL BE CONSIDERED INCIDENTAL. NO DIRECT PAY.

RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING

SPEED LIMIT[1] (MPH)	SIGN SPACING[2] (FT)		
	A	B	C
UP TO 35	200[3]	200[3]	200[3]
40 TO 45	350	350	350

1 BASED ON POSTED SPEED
2 SIGN SPACING MAY BE ADJUSTED, NORMALLY BY INCREASING IT, TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.
3 FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IN MUTCD IS 100 FT.

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MIN., 100 FT. MAX.
DOWNSTREAM TAPER	50 FT MIN., 100 FT. MAX.

NOTE: USE TABLE BELOW TO CALCULATE L.

FORMULAS FOR DETERMINING TAPER LENGTH

SPEED (S)	TAPER LENGTH (L) IN FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

WHERE:
L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMITS, OR OFF PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

RECOMMENDED TAPER LENGTH AND SPACING

SPEED LIMIT[1], MPH	TAPER LENGTH[2] (FT)		CHANNELIZING SPACING[3] (FT)	
	SHOULDER[4]	LANE[5]	TAPERS	BUFFER/WORK AREAS
UP TO 35	70	245	35[6]	40[6]
40 TO 45	150	540	40[6]	80[6]

[1]SPEED LIMIT IS BASED ON POSTED SPEED LIMIT.
[2]TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, INTERSECTIONS, RAMPS, OR OTHER GEOMETRIC FEATURES.
[3]CHANNELIZER SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCROACHMENT.
[4]BASED ON 10 FOOT SHOULDER WIDTH.
[5]BASED ON 12 FOOT LANE WIDTH.
[6]SPACING REDUCED TO $\frac{1}{2}$ AT INTERSECTIONS.
[7]SPACING MAY BE REDUCED TO $\frac{1}{2}$ AT INTERSECTIONS.

RECOMMENDED LENGTH OF LONGITUDINAL BUFFER SPACES

POSTED SPEED PRIOR TO CONSTRUCTION, MPH	LENGTH, FT
UP TO 35	250
40	305
45	360

TRAFFIC CONTROL
SHEET 1 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 9/28/2023
ROUTE M | STATE MO
DISTRICT SE | SHEET NO. 18
COUNTY STE. GENEVIEVE
JOB NO. J9S3449B
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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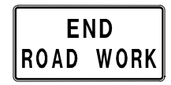
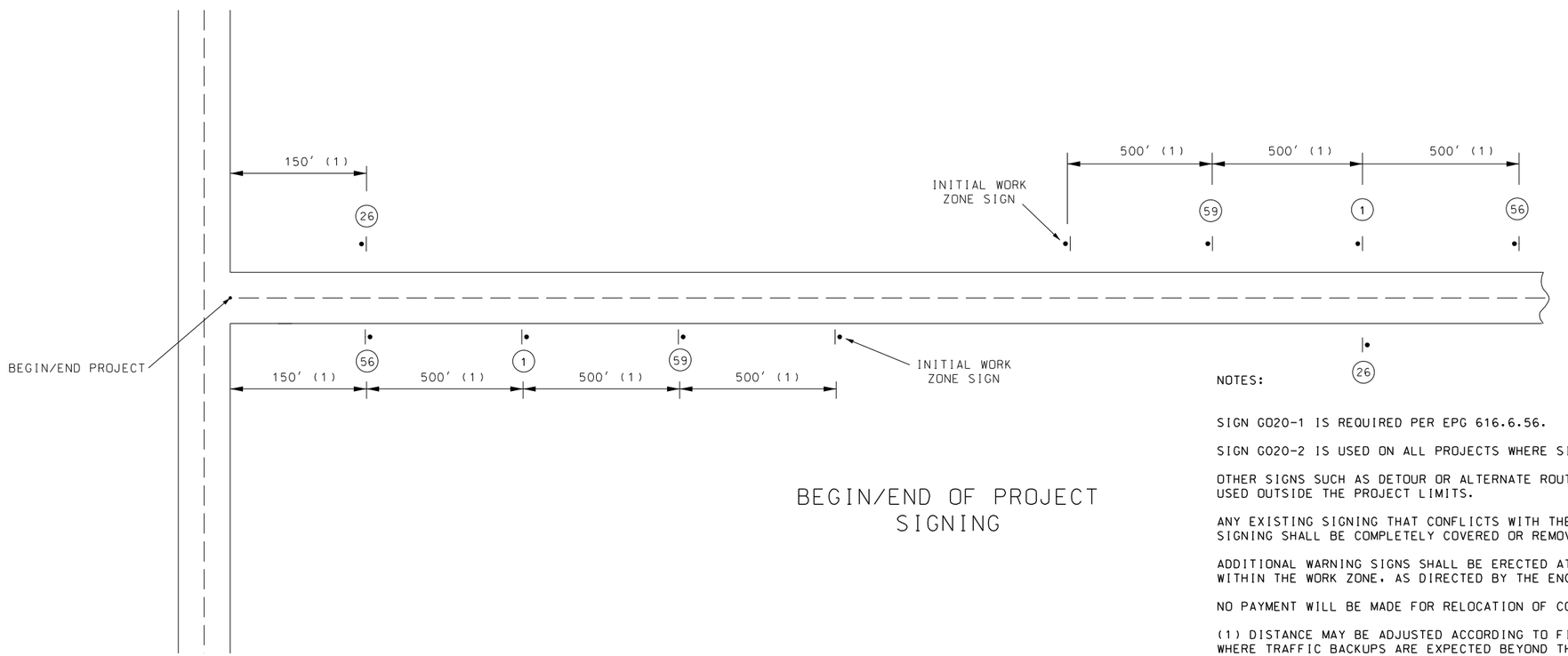
G020-1
(1)



G020-2
(26)

CONST-7-48 (2) (3)
(56)

SPECIAL (4)
(59)



BEGIN/END OF PROJECT
SIGNING

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

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

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

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

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

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

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

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL
SHEET 2 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
9/28/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	19
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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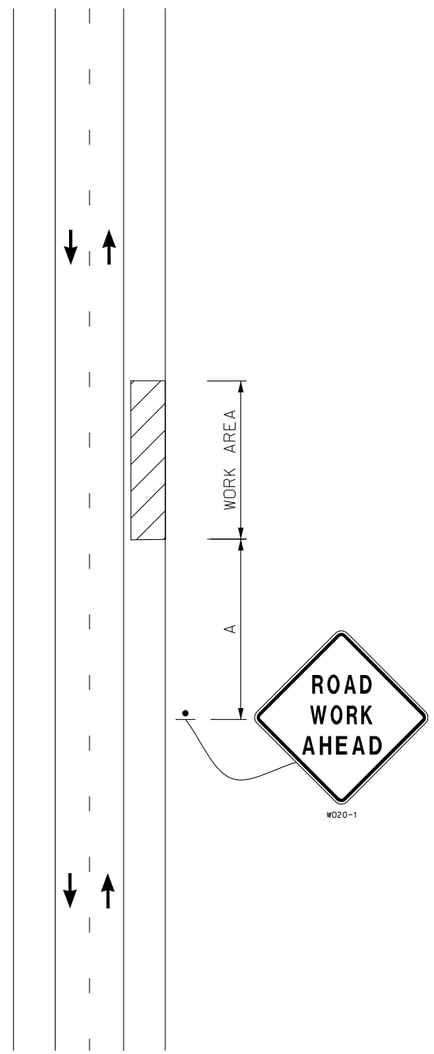
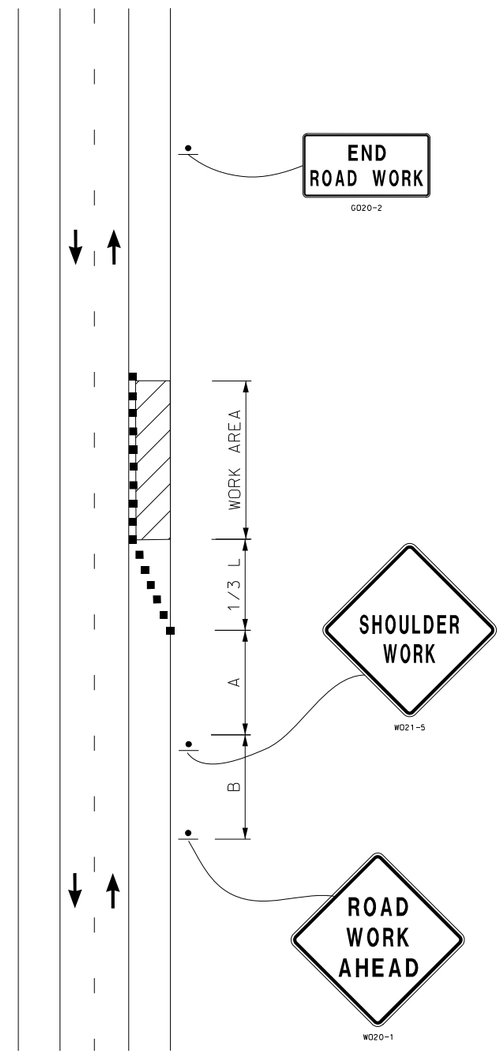


WORK BEYOND THE SHOULDER



WORK ON THE SHOULDERS

NOTES:

1. SEE TRAFFIC CONTROL SHEET 1 OF 6 FOR GENERAL NOTES, SIGN SPACING, CHANNELIZER SPACING, TAPER LENGTHS AND BUFFER SPACE.
2. DRAWINGS NOT TO SCALE.
3. REFER TO THE MUTCD FOR ADDITIONAL INFORMATION.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- WORK AREA

TRAFFIC CONTROL
SHEET 3 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
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M	MO
DISTRICT	SHEET NO.
SE	20
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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JEFFERSON CITY, MO 65102
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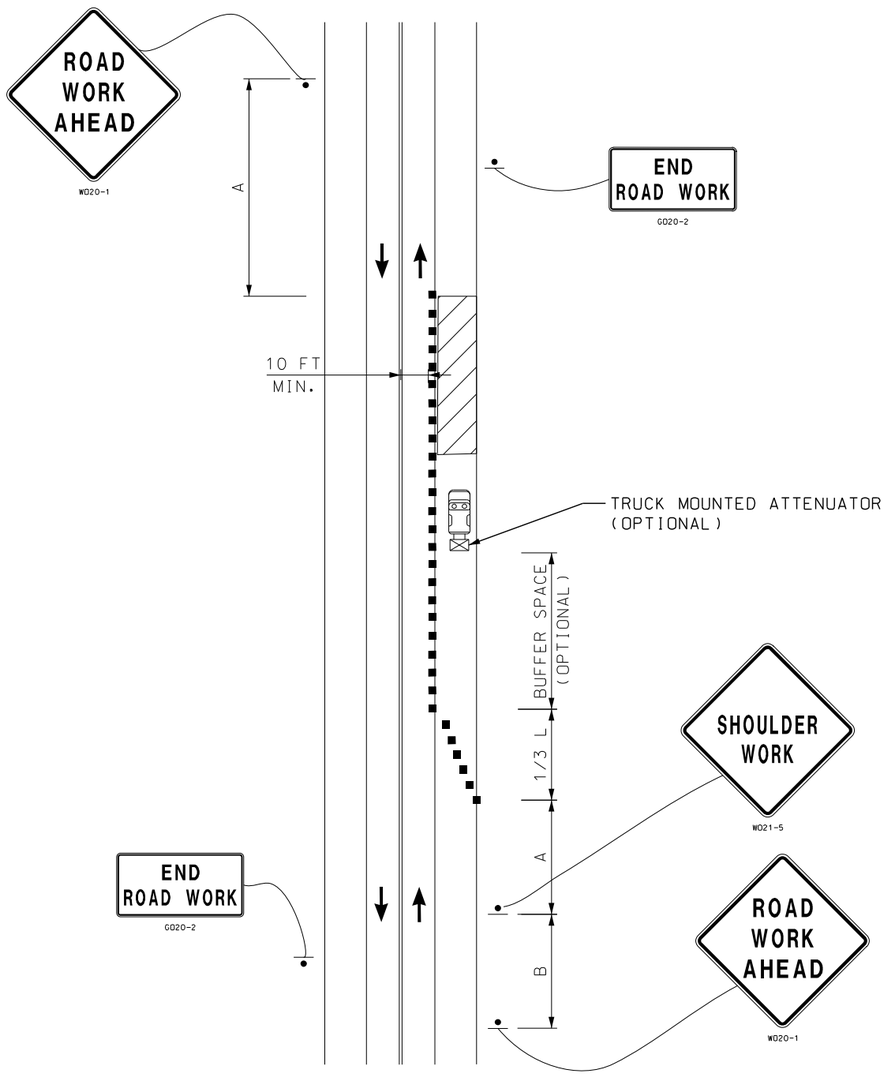
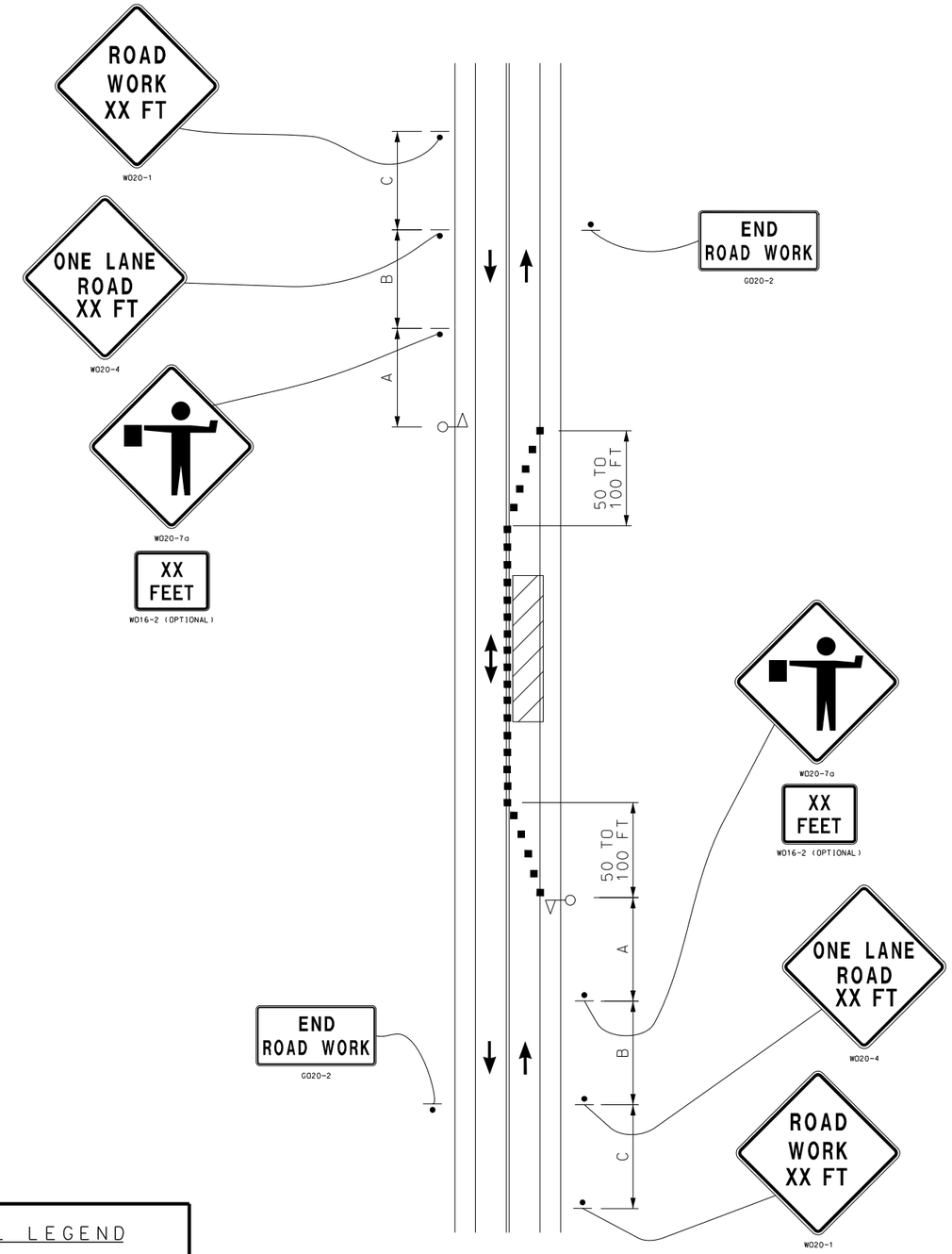


SHOULDER WORK WITH MINOR ENCROACHMENT



LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS

NOTES:

1. SEE TRAFFIC CONTROL SHEET 1 OF 6 FOR GENERAL NOTES, SIGN SPACING, CHANNELIZER SPACING, TAPER LENGTHS AND BUFFER SPACE.
2. DRAWINGS NOT TO SCALE.
3. REFER TO THE MUTCD FOR ADDITIONAL INFORMATION.

TRAFFIC CONTROL LEGEND

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

TRAFFIC CONTROL
SHEET 4 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
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ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	21
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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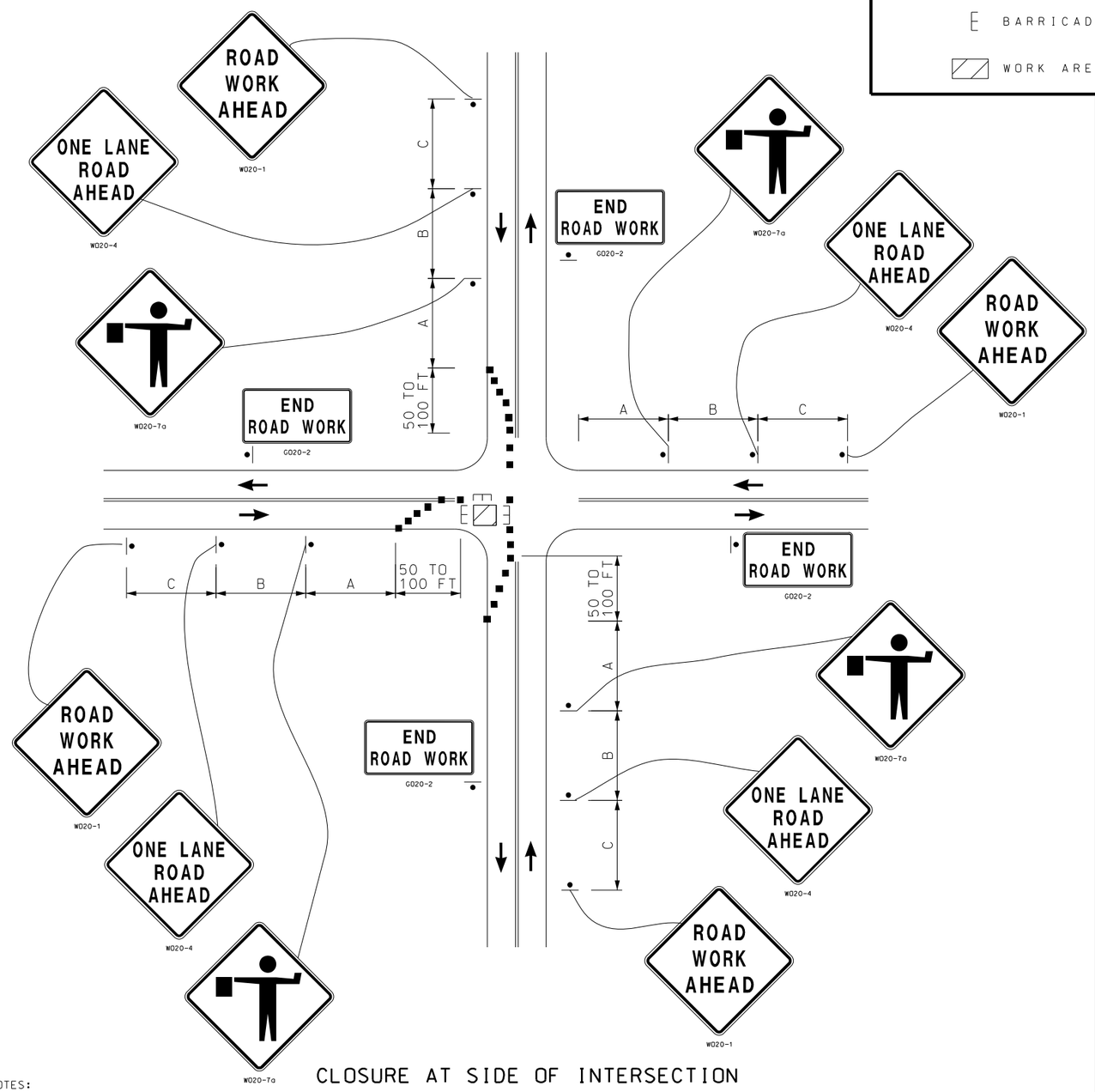
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CONE
- BARRICADE
- WORK AREA



CLOSURE AT SIDE OF INTERSECTION

NOTES:

1. SEE TRAFFIC CONTROL SHEET 1 OF 6 FOR GENERAL NOTES, SIGN SPACING, CHANNELIZER SPACING, TAPER LENGTHS AND BUFFER SPACE.
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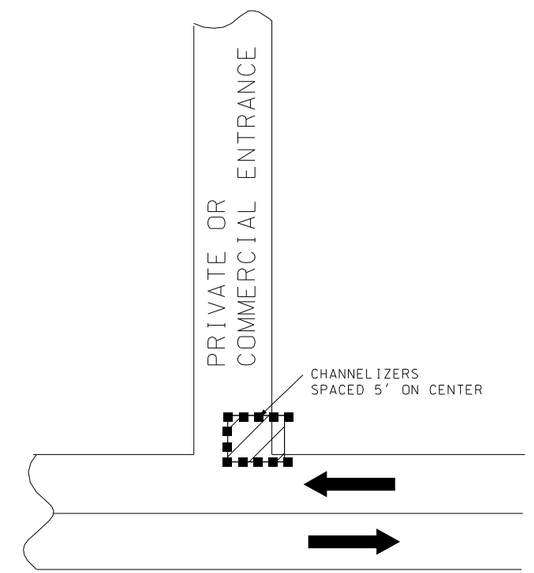

TRAFFIC CONTROL CONSTRUCTION AT ENTRANCES

NOTES:

IF PROPERTY HAS MULTIPLE ENTRANCES, THE CONTRACTOR MAY CLOSE ONE ENTRANCE.

IF PROPERTY HAS ONLY ONE ENTRANCE, THEN THE ENTRANCE SHALL BE CONSTRUCTED IN HALVES, WHERE POSSIBLE. OTHERWISE, THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS IN ADVANCE TO PROVIDE ACCESS TO PROPERTY.

THE CONTRACTOR SHALL LIMIT THE WORK ZONE TO MINIMIZE IMPACT ACCESS.

THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO THE PROPERTY.

TRAFFIC CONTROL
SHEET 5 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
9/28/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	22
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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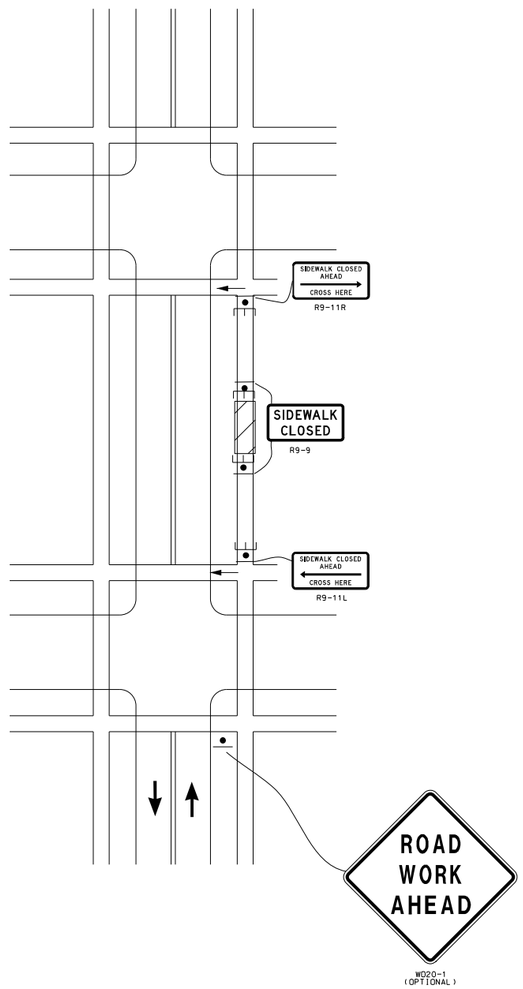
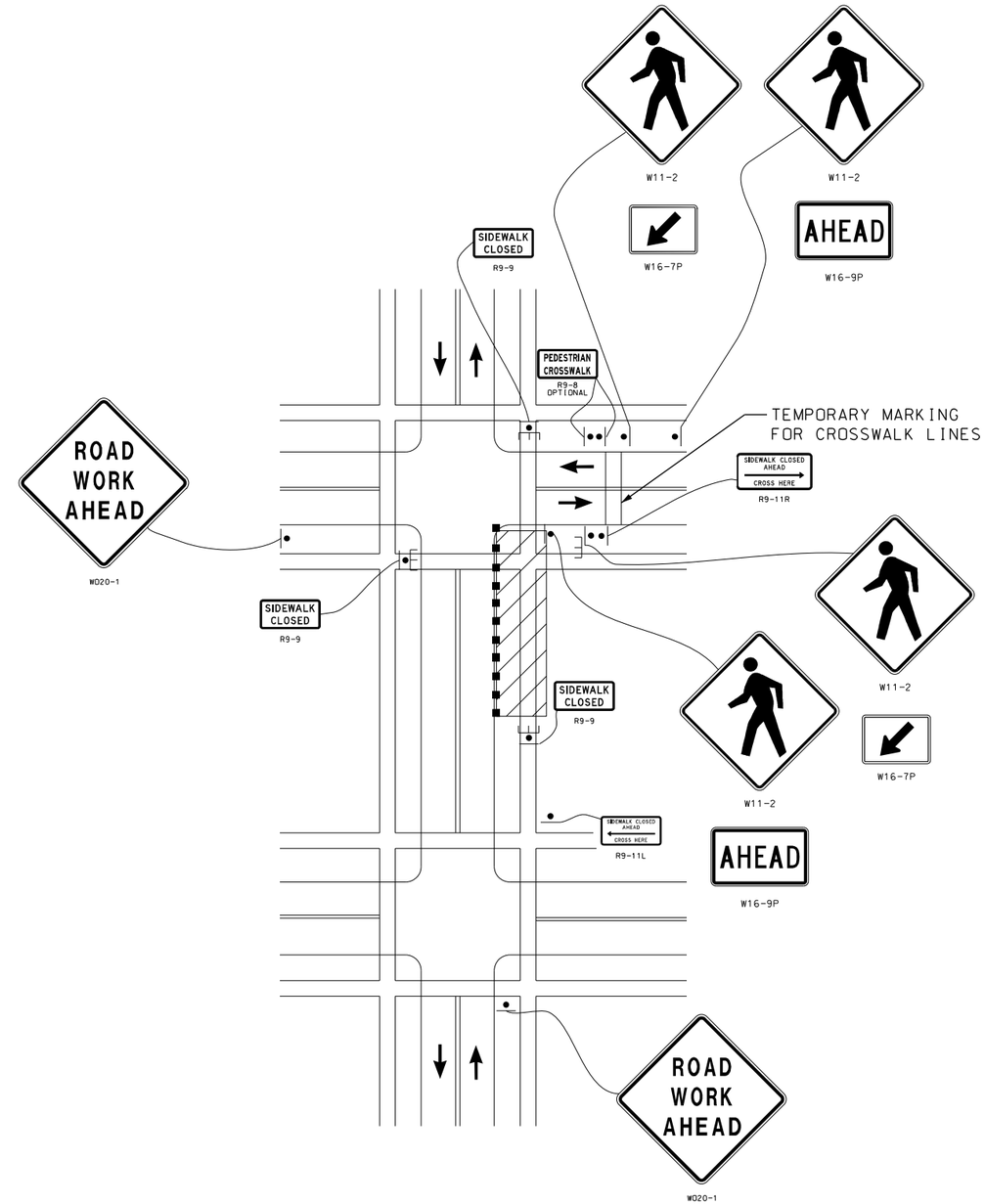


SIDEWALK DETOUR



CROSSWALK CLOSURES
AND PEDESTRIAN DETOURS

NOTES:

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TRAFFIC CONTROL LEGEND

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

TRAFFIC CONTROL
SHEET 6 OF 6

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
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ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	23
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
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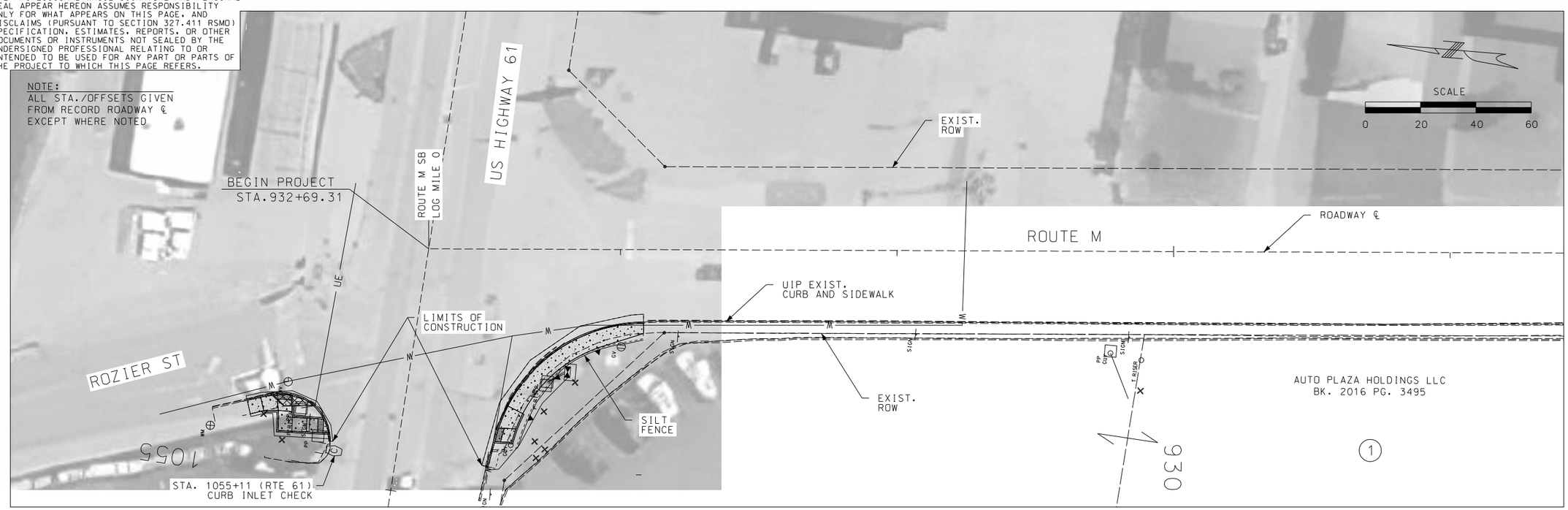

NOTE:
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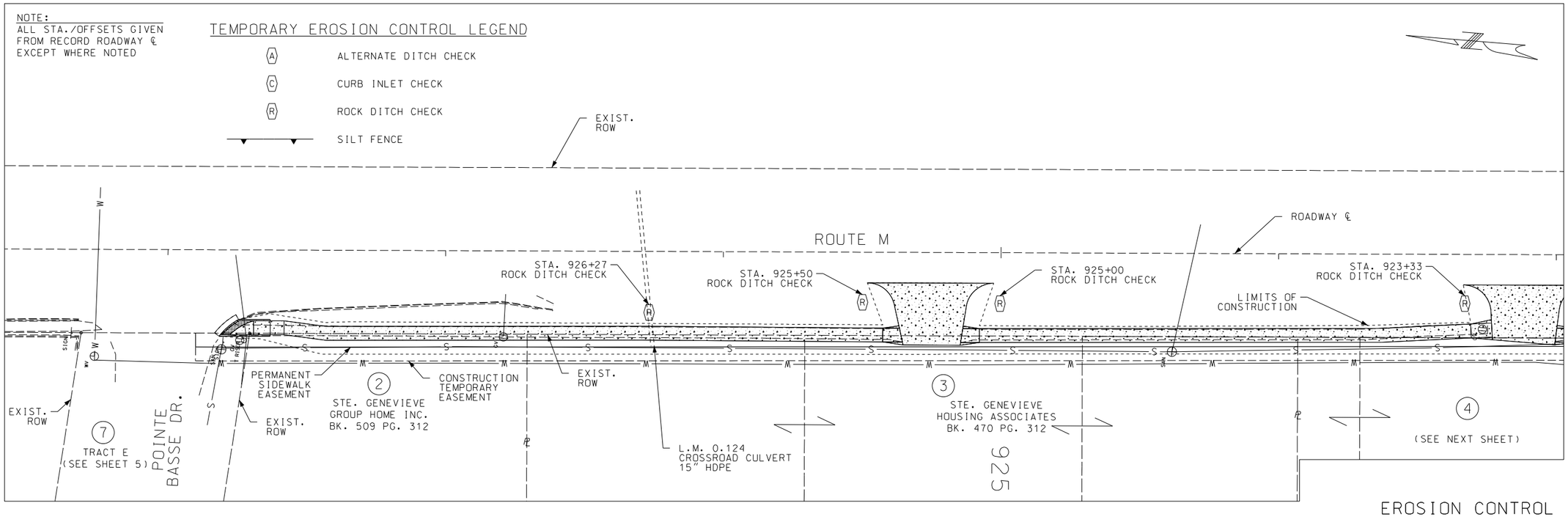
TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- SILT FENCE



EROSION CONTROL
SHEET 1 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	24
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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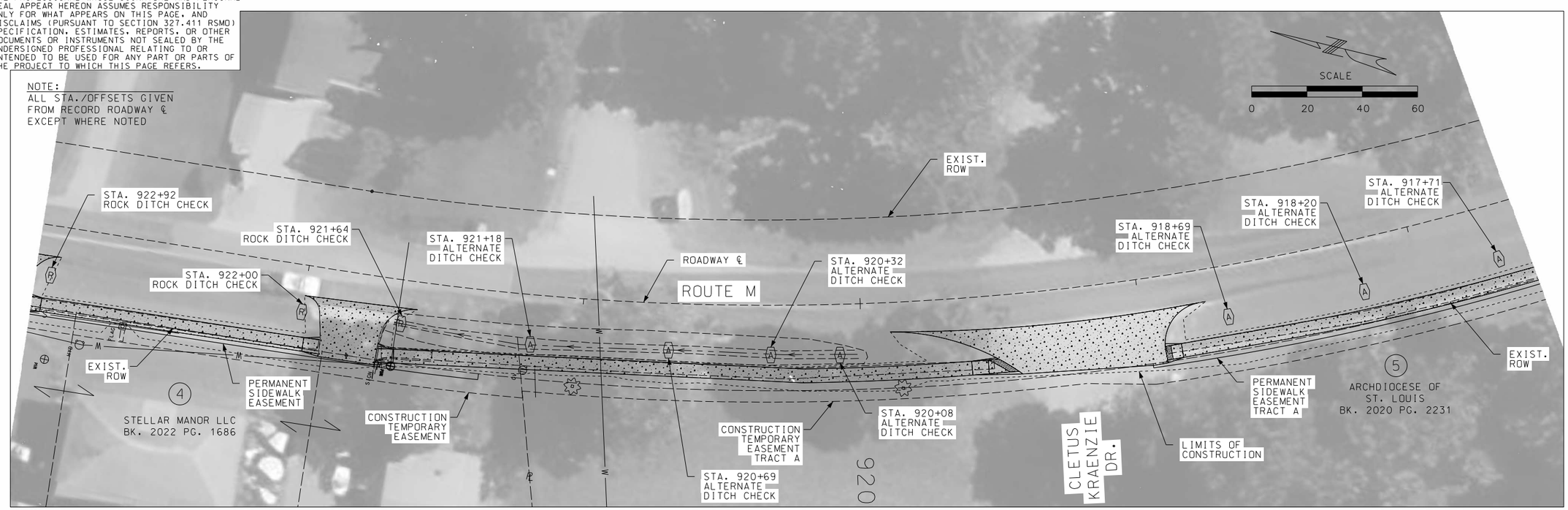
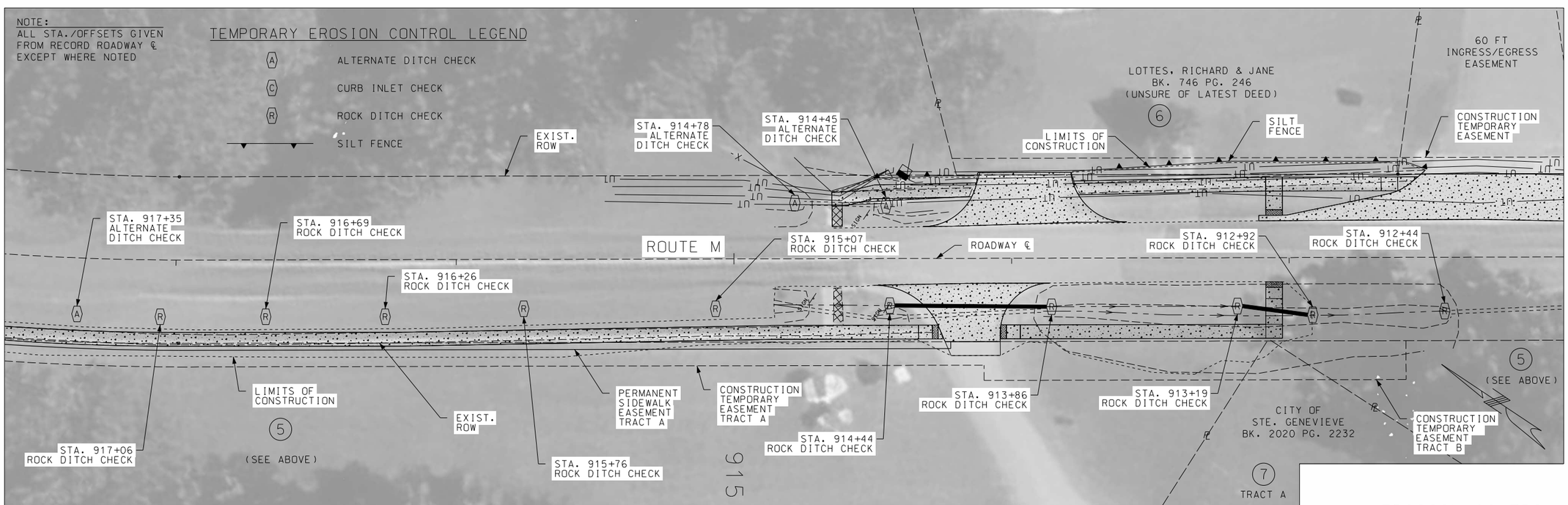


NOTE:
ALL STA./OFFSETS GIVEN FROM RECORD ROADWAY ℄ EXCEPT WHERE NOTED

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- SILT FENCE



EROSION CONTROL
SHEET 2 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	25
COUNTY	
STE. GENEVIEVE	
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J9S3449B	
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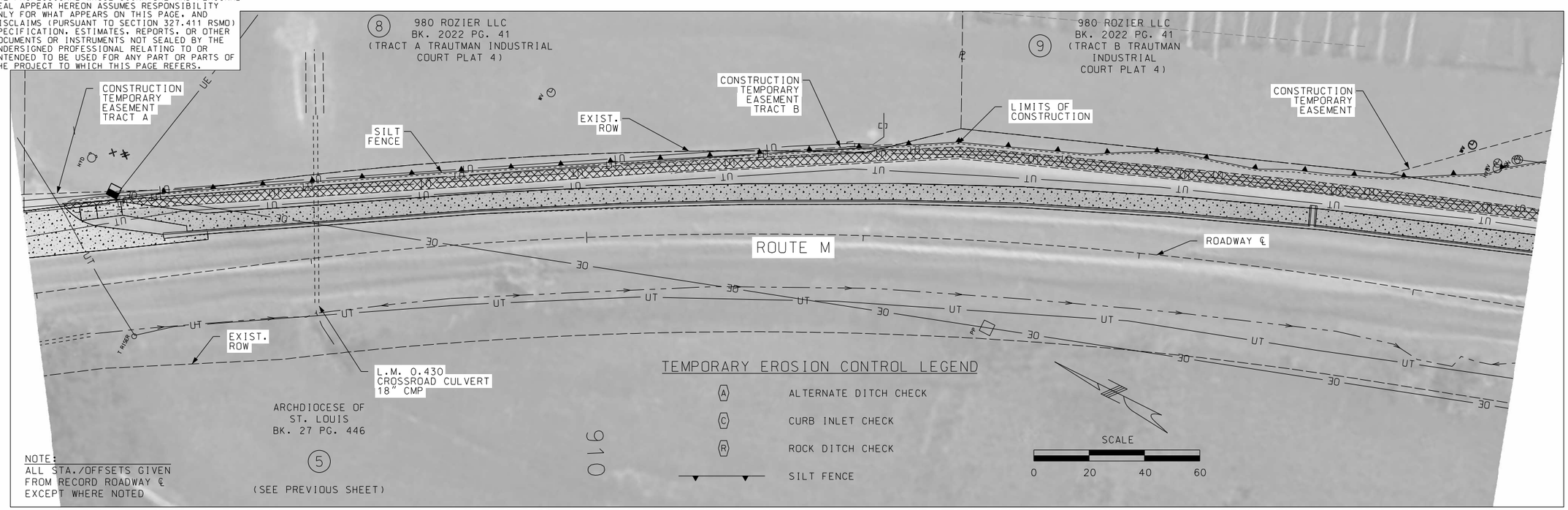

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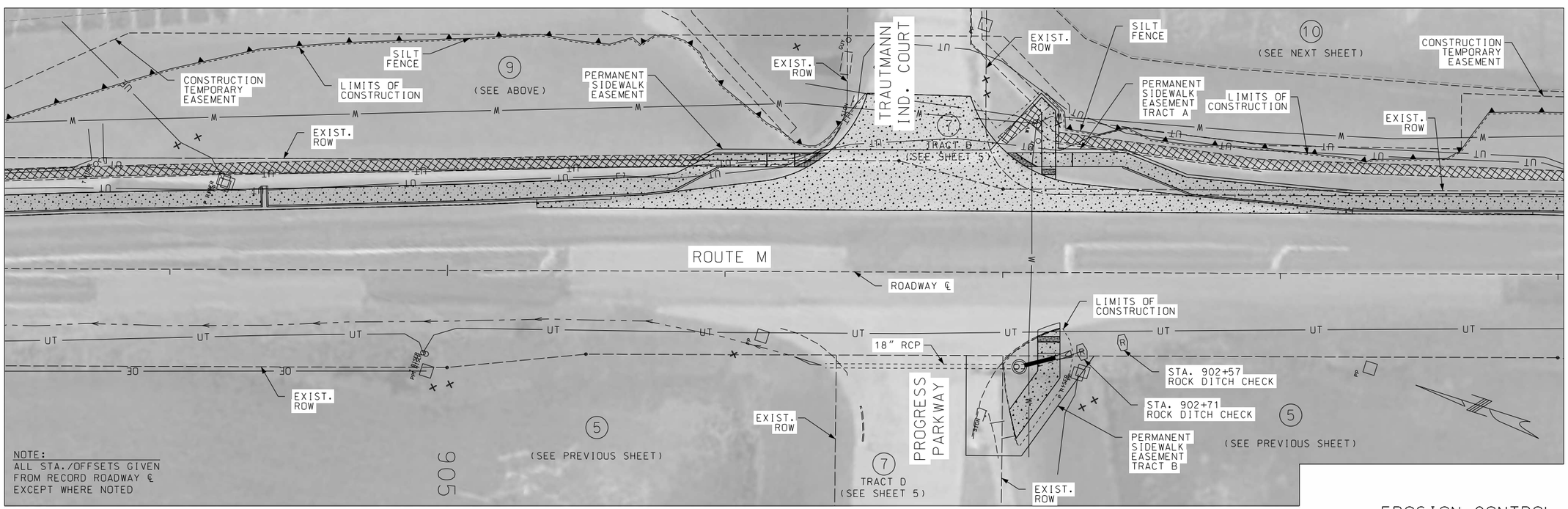

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EROSION CONTROL
SHEET 3 OF 4

STATE OF MISSOURI
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DATE PREPARED	
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ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	26
COUNTY	
STE. GENEVIEVE	
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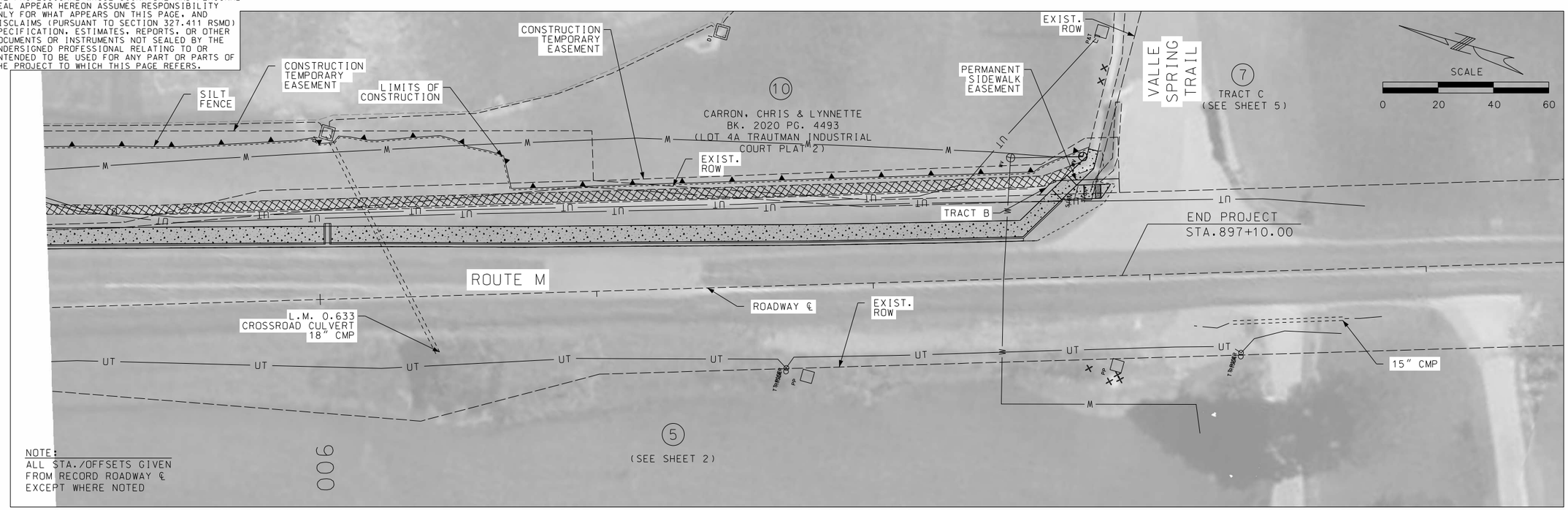

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- SILT FENCE

EROSION CONTROL
SHEET 4 OF 4

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
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DISTRICT	SHEET NO.
SE	27
COUNTY	
STE. GENEVIEVE	
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J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

HR GREEN, INC.
520 MARYVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608

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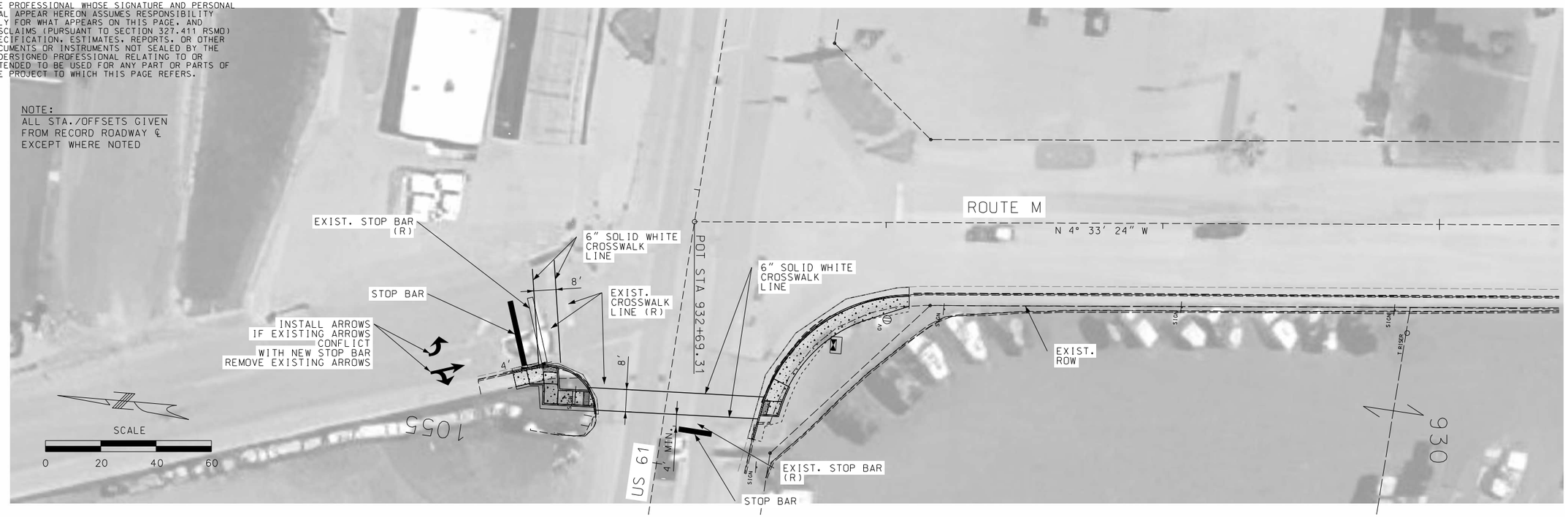
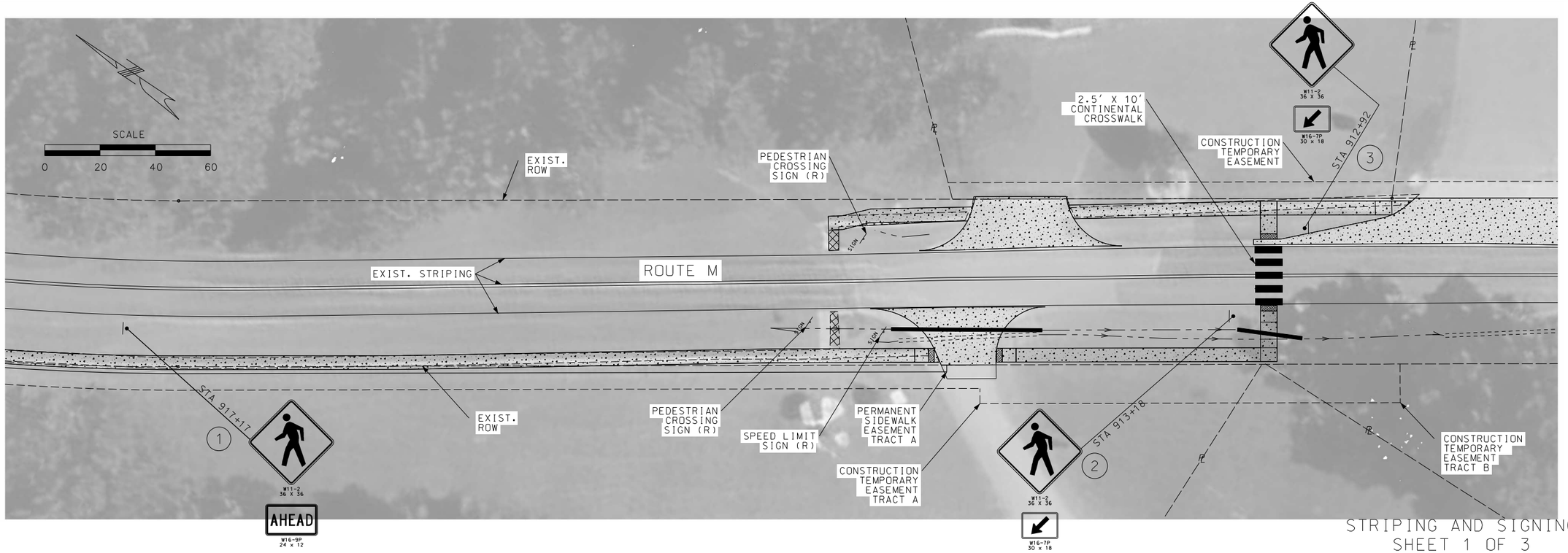
NOTE:
ALL STA./OFFSETS GIVEN FROM RECORD ROADWAY ℄ EXCEPT WHERE NOTED





STRIPING AND SIGNING
SHEET 1 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	28
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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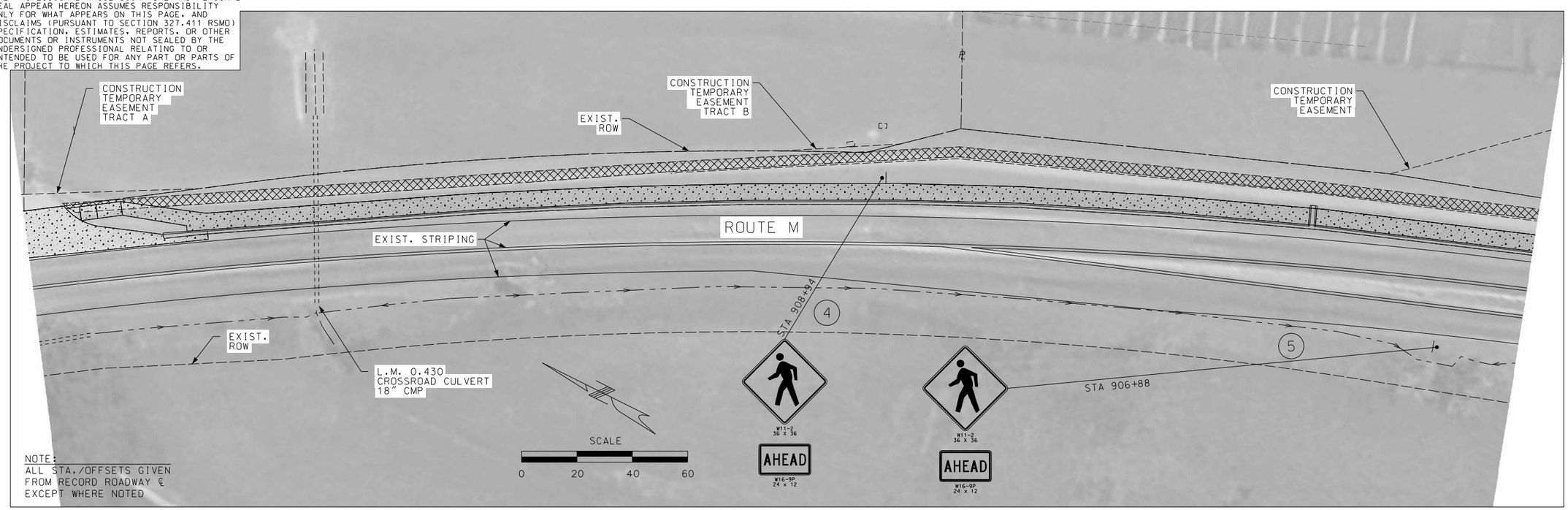

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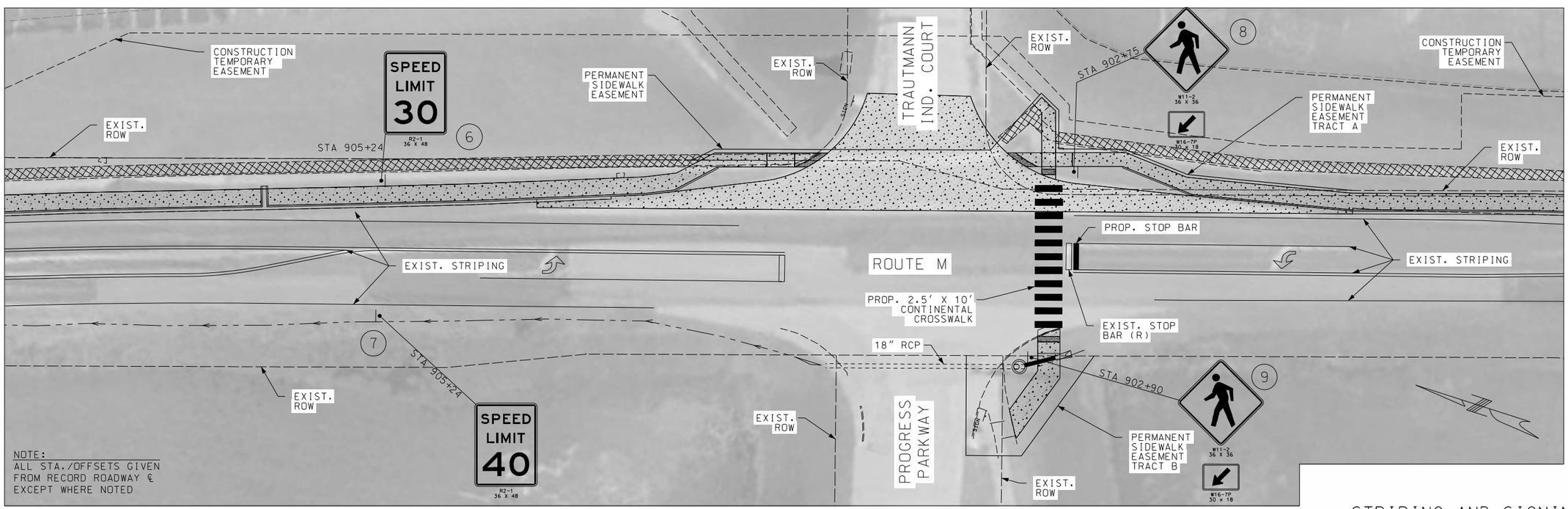

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STRIPING AND SIGNING
SHEET 2 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	29
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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JEFFERSON CITY, MO 65102
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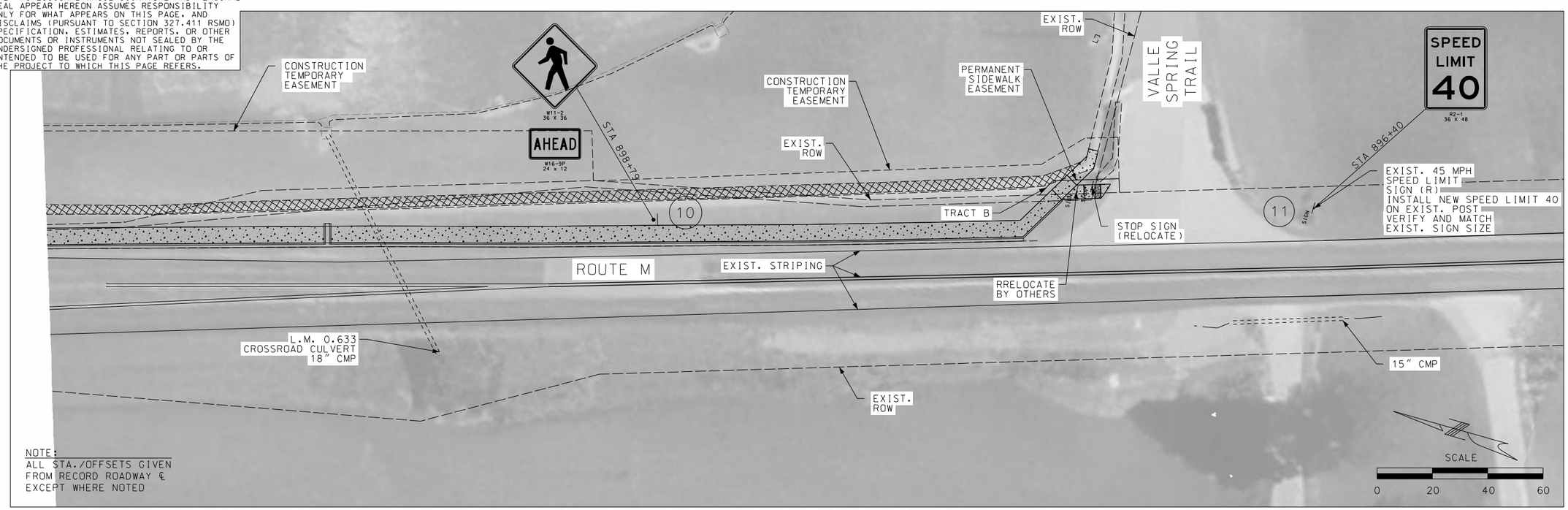

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STRIPING AND SIGNING
SHEET 3 OF 3

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	30
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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CORPORATE LICENSE #2002006608

EFFECTIVE 07-01-2022

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE													REMARKS AND OTHER REQUIRED ITEMS
																							2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY	
																										ANCHORS						ANCHORS				
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	2" X ¾" BARS @ 2.55 LBS PER FT NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	
						CY		LF	LF	LF		LBS	IN.	LF	LF		LBS					LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
1	(A)	917+17		LT																									14.00		14.00		1			
2	(B)	913+18		LT																									14.50		14.50		1			
3	(B)	912+92		RT																									14.50		14.50		1			
4	(A)	908+94		RT																									14.00		14.00		1			
5	(A)	906+88		LT																									15.00		15.00		1			
6	36X48	905+24		RT																									15.00		15.00		1			
7	36X48	905+24		LT																									15.00		15.00		1			
8	(B)	902+75		RT																									14.50		14.50		1			
9	(B)	902+90		LT																									14.50		14.50		1			
10	(A)	898+79		LT																									14.00		14.00		1			
11	36X48	896+40		LT																																REPLACE W/ NEW SIGN. EXIST. POST
				SUBTOTAL																											145		10			
				TOTAL																	**										145		10			

SIGN SIZE KEY
(A) 36x36, 24x12
(B) 36x36, 30x18

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

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3½"	12"	4-6"	0.13
3	7.58	0.63	4'- 3½"	12"	4-6"	0.13
4	10.79	0.90	5'- 3½"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST					FOOTING								
POST DES. NO.	NOM. SIZE	WEIGHT		STUB LENGTH	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 8/4/2023
ROUTE: M
STATE: MO
DISTRICT: SE
SHEET NO.: 31
COUNTY: STE. GENEVIEVE
JOB NO.: J9S3449B
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)

HR GREEN, INC.
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SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519.0990
CORPORATE LICENSE #2002006608

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

EFFECTIVE 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE: W11-2	W16-7P	W16-9P	R2-1	R2-1
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH				
			36X36	30X18	24x12	36X48	36X48
1	917+17	ROUTE M	1		1		
2	913+18	ROUTE M	1	1			
3	912+92	ROUTE M	1	1			
4	908+94	ROUTE M	1		1		
5	906+88	ROUTE M	1		1		
6	905+24	ROUTE M				1	
7	905+24	ROUTE M					1
2	913+18	ROUTE M	1	1			
3	912+92	ROUTE M	1	1			
10	898+79	ROUTE M	1		1		
11	896+40	ROUTE M					1

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
PEDESTRIAN CROSSING W11-2		8	36″ x 36″	72			
DIAG. DOWN. POINTING ARROW W16-7P		4	30″ x 18″	15			
AHEAD W16-9P		4	24″ x 12″	8			
SPEED LIMIT 30 R2-1		1	36″ x 48″	12			
SPEED LIMIT 40 R2-1		2	36″ x 48″	24			
		TOTAL		131			

* ORANGE, YELLOW & YELLOW/GREEN

STATE OF MISSOURI
EMILY S. BURKART
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DATE PREPARED: 8/4/2023
ROUTE: M | STATE: MO
DISTRICT: SE | SHEET NO.: 32
COUNTY: STE. GENEVIEVE
JOB NO.: J9S3449B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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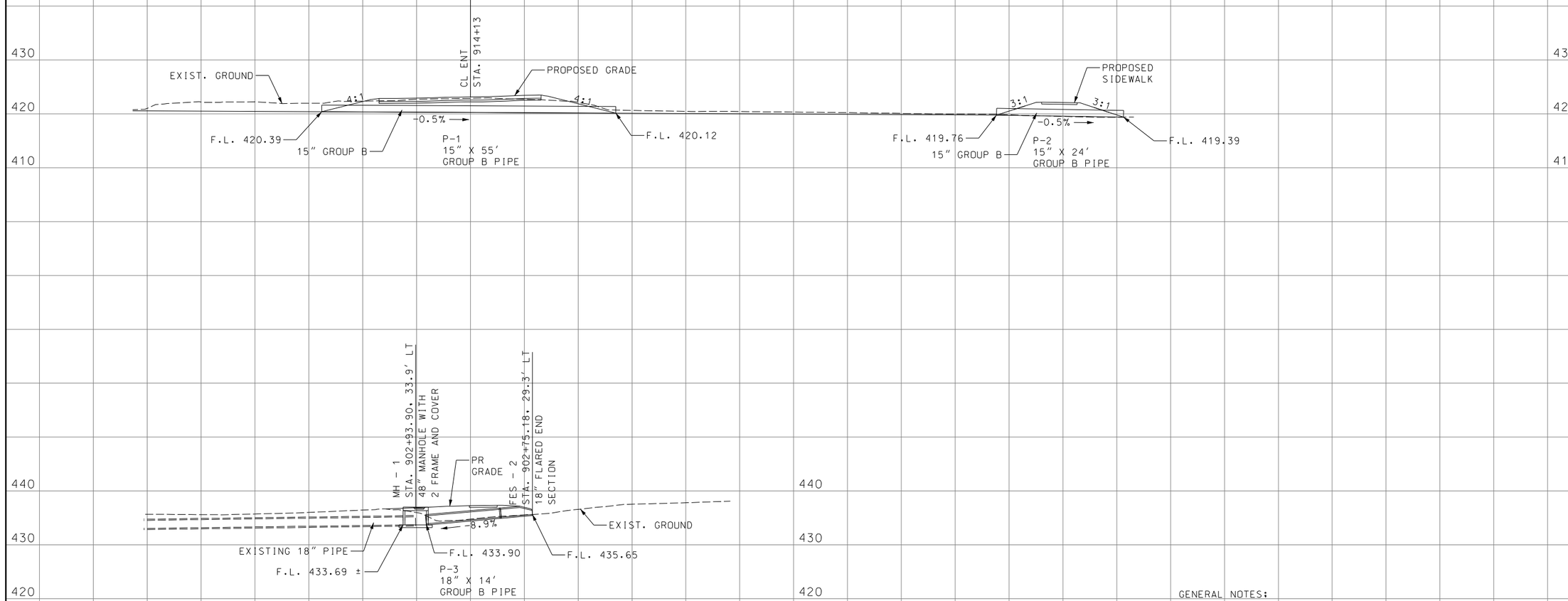

GENERAL NOTES:

1. ALL STATIONS GIVEN ALONG RTE M UNLESS OTHERWISE NOTED.
2. ALL PROPOSED DRAINAGE FACILITIES CONFORM WITH MODOT SPECIFICATIONS UNLESS OTHERWISE NOTED ON THESE PLANS.
3. ALL PIPES SHALL BE SMOOTH INTERIOR.
4. FIELD VERIFY EXISTING ELEVATIONS.

CULVERT SECTIONS
SHEET 1 OF 1

STATE OF MISSOURI
EMILY S. BURKART
PE-2011015708
PROFESSIONAL ENGINEER

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DATE PREPARED	
8/4/2023	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
SE	33
COUNTY	
STE. GENEVIEVE	
JOB NO.	
J9S3449B	
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