

ARCHIE (RTE.A)
 A.A.D.T. - 2022 = 2,878
 F.C. - MAJOR COLLECTOR
 V = 35, 45 M.P.H.

BELTON (RTE. 58)
 A.A.D.T. - 2022 = 35,562
 F.C. - MINOR ARTERIAL
 V = 40 M.P.H.

FREEMAN (RTE. O)
 A.A.D.T. - 2022 = 1,078
 F.C. - MAJOR COLLECTOR
 V = 25 M.P.H.

HARRISONVILLE (RTE. 2)
 A.A.D.T. - 2022 = 7,814
 F.C. - MAJOR COLLECTOR
 V = 35 M.P.H.

HARRISONVILLE (RTE. 7)
 A.A.D.T. - 2022 = 8,500
 F.C. - MINOR ARTERIAL
 V = 35 M.P.H.

PECULIAR (OLD OR 71)
 A.A.D.T. - 2022 = 66
 F.C. - MAJOR COLLECTOR
 V = 25 M.P.H.

.C." = FUNCTIONAL CLASSIFICATION

TEMPORARY
CONSTRUCTION
EASEMENTS REQUIRED

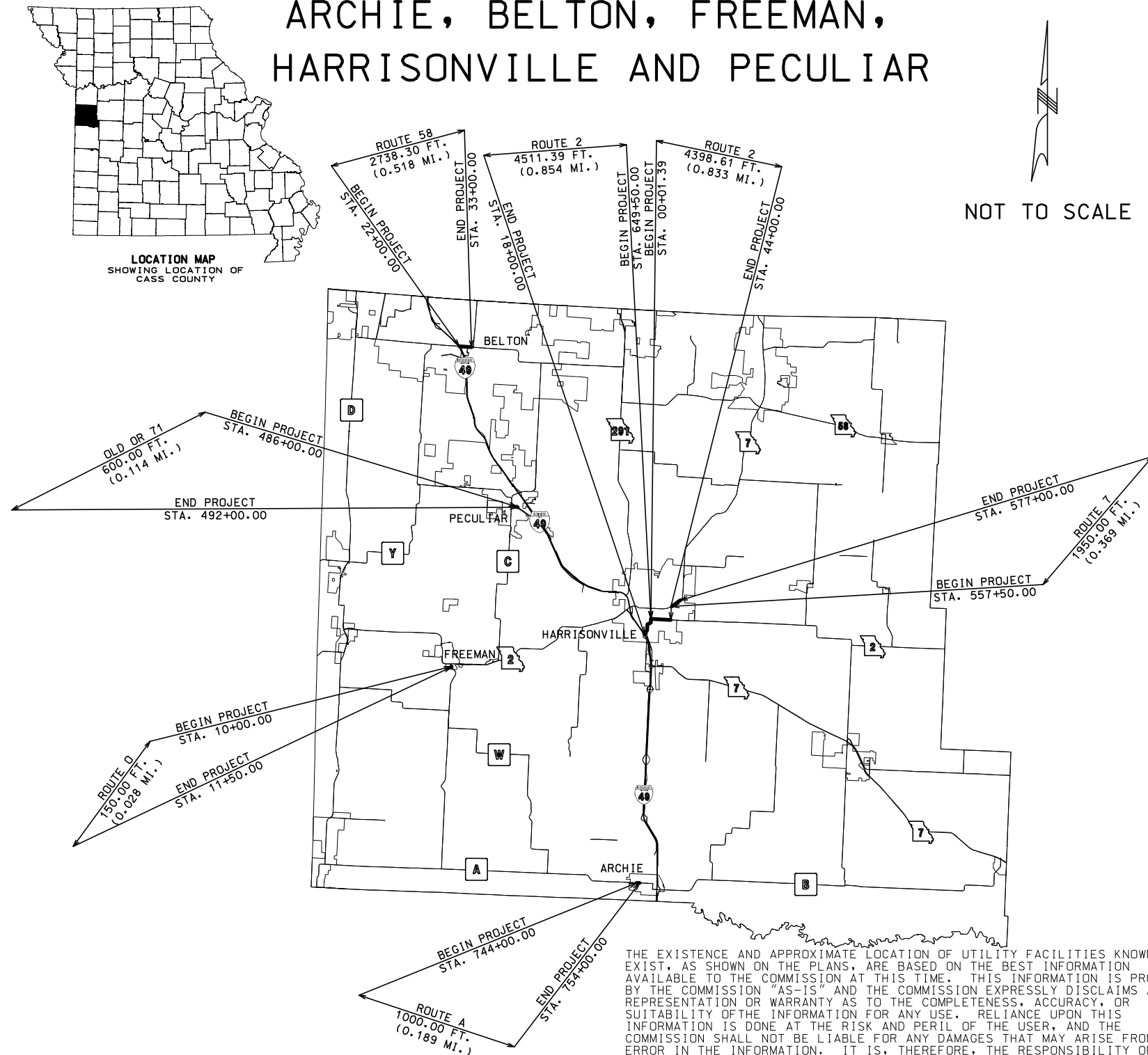
PERMANENT DRAINAGE
EASEMENTS REQUIRED

PERMANENT SIDEWALK
EASEMENTS REQUIRED

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

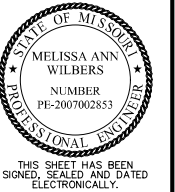
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED STATE HIGHWAY
CASS COUNTY
ADA SIDEWALK IMPROVEMENTS IN
ARCHIE, BELTON, FREEMAN,
HARRISONVILLE AND PECULIAR



DESCRIPTION	NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (2 SHEETS)---	2
QUANTITIES (QU) (19 SHEETS)-----	3
PLAN SHEETS (PL)-----	4-34
RIGHT OF WAY SHEETS (ROW)-----	35-65
REFERENCE POINT (RP)-----	66-71
COORDINATE POINTS (CP)-----	72-77
SPECIAL SHEETS (SS)-----	78-102
DRIVE PROFILES (6 SHEETS)-----	78-83
DETAILED SHEETS (2 SHEETS) ----	84-85
GEOMETRIC DETAILS (17 SHEETS)---	86-102
TRAFFIC CONTROL SHEETS (TC)-----	103-110
EROSION CONTROL SHEETS (EC)-----	111
LIGHTING (LT)-----	112
SIGNALS (SG)-----	113-124
SIGNING (SN)-----	125-127
CULVERT SECTION (CS)-----	128

ARCHIE ROUTE A)		
BEGINNING OF PROJECT	STA. 744+00.00	
END OF PROJECT	STA. 754+00.00	
APPARENT LENGTH	1000.00	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
BELTON (ROUTE 58)		
BEGINNING OF PROJECT	STA. 22+00.00	
END OF PROJECT	STA. 33+00.00	
APPARENT LENGTH	1100.00	FEET
EQUATIONS AND EXCEPTIONS:		
86+31.90 BK = 21+93.60 AH	1638.3	FEET
FREEMAN (ROUTE 0)		
BEGINNING OF PROJECT	STA. 10+00.00	
END OF PROJECT	STA. 11+50.00	
APPARENT LENGTH	150.00	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
HARRISONVILLE (ROUTE 2)		
INDEPENDENCE ST.		
BEGINNING OF PROJECT	STA. 649+50.00	
END	STA. 668+73.38	
APPARENT LENGTH	1923.38	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
HARRISONVILLE (ROUTE 2)		
COMMERCIAL ST.		
BEGINNING	STA. 854+00.00	
END	STA. 18+00.00	
APPARENT LENGTH	-83600.00	FEET
EQUATIONS AND EXCEPTIONS:		
867+70.41 BK = 5+82.40 AH	86188.01	FEET
HARRISONVILLE (ROUTE 2)		
E SOUTH ST.		
BEGINNING	STA. 00+01.39	
END OF PROJECT	STA. 44+00.00	
APPARENT LENGTH	4398.61	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
HARRISONVILLE (ROUTE 7)		
BEGINNING OF PROJECT	STA. 557+50.00	
END OF PROJECT	STA. 577+00.00	
APPARENT LENGTH	1950.00	FEET
EQUATIONS AND EXCEPTIONS:	NONE	
PECULIAR (OLD OUTER ROAD 71)		
BEGINNING OF PROJECT	STA. 486+00.00	
END OF PROJECT	STA. 492+00.00	
APPARENT LENGTH	600.00	FEET
EQUATIONS AND EXCEPTIONS:	NONE	

TOTAL CORRECTIONS	87826.31	FEET
NET LENGTH OF PROJECT	15348.30	FEET
STATE LENGTH	2.907	MILES



DATE PREPARED
3/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 1

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.
BRIDGE NO.

BRIDGE NO.						

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CAPITOL
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Y, MC
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N CIT
(1-88)

PERSONAL



JEFFREY M. MASK-McCORMICK

888-4-A-ACOG



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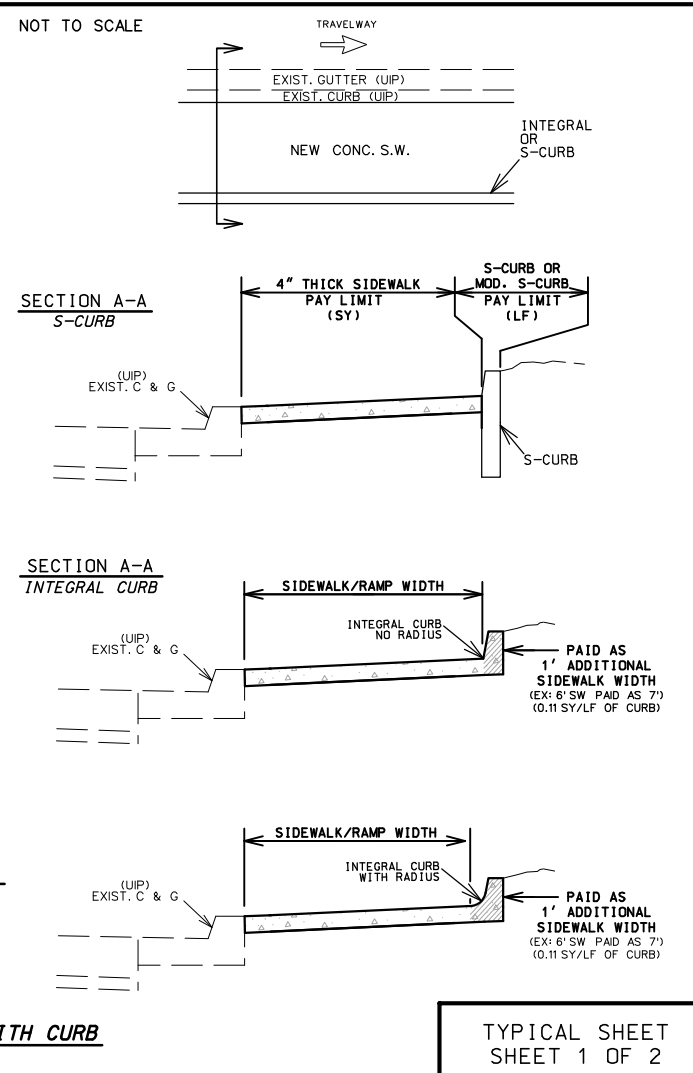
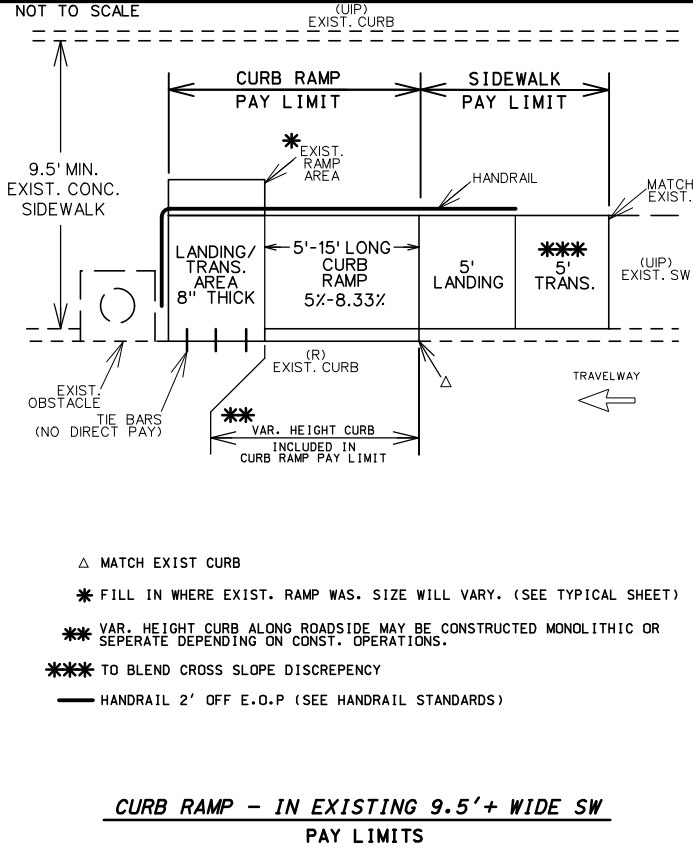
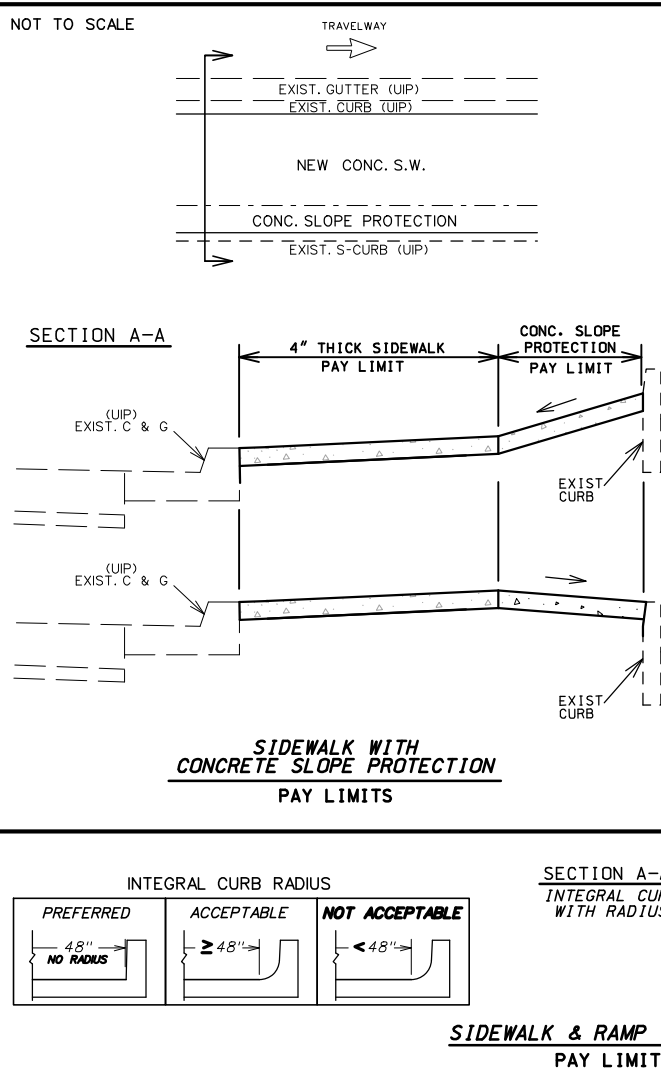
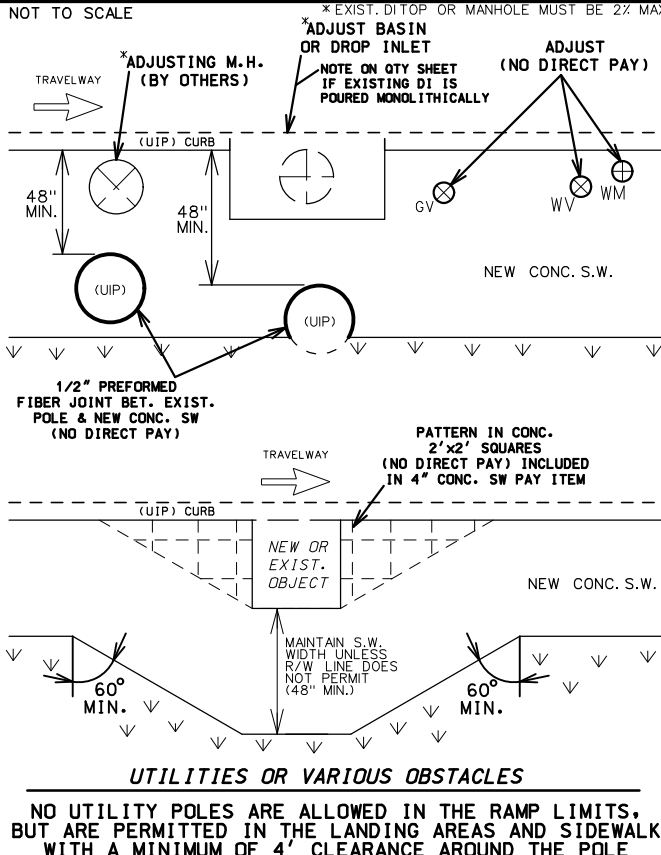
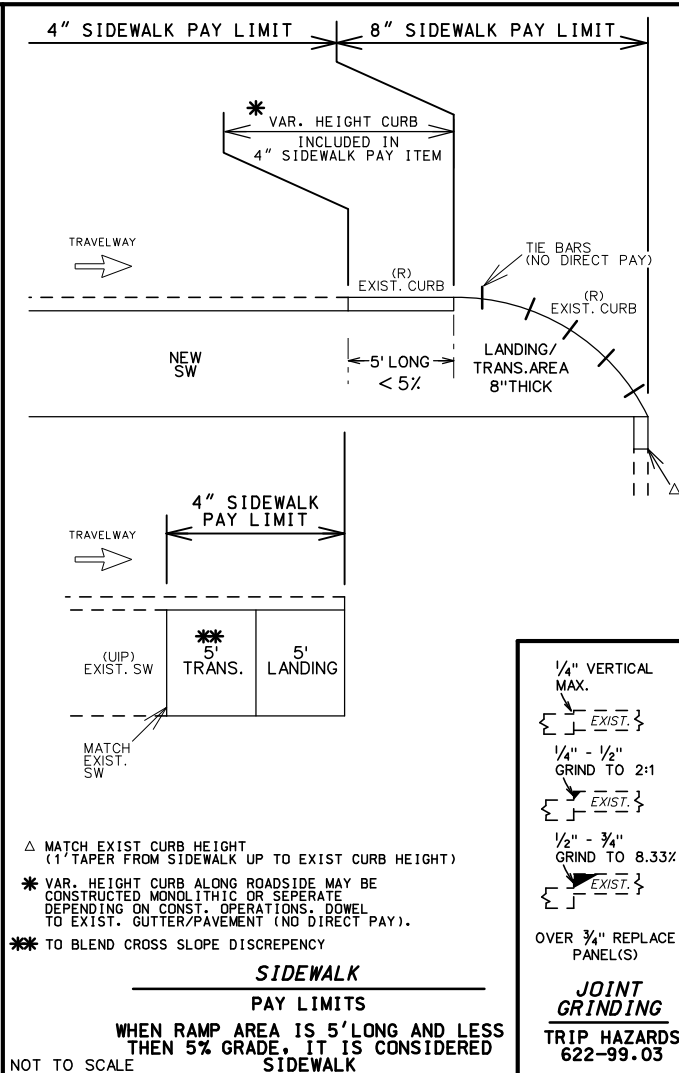
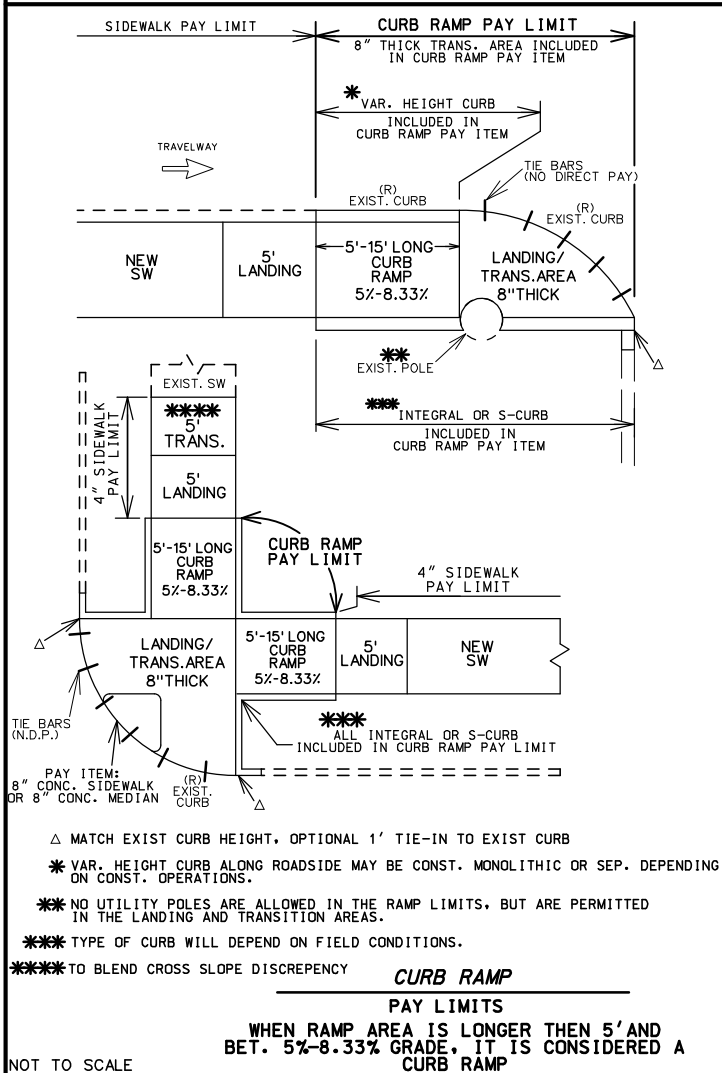
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609 **B**

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.

CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
SLOPE IN ALL DIRECTIONS = 1% PREFERRED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFERRED (2% MAX.) TOWARD THE STREET. CURB RAMPS ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMPS OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.



Professional Engineer Seal: MELISSA ANN WILBERS, NUMBER PE-2007002853, THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 2/29/2024

ROUTE: VAR, STATE: MO

DISTRICT: KC, SHEET NO.: 2

COUNTY: CASS

JOB NO.: J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

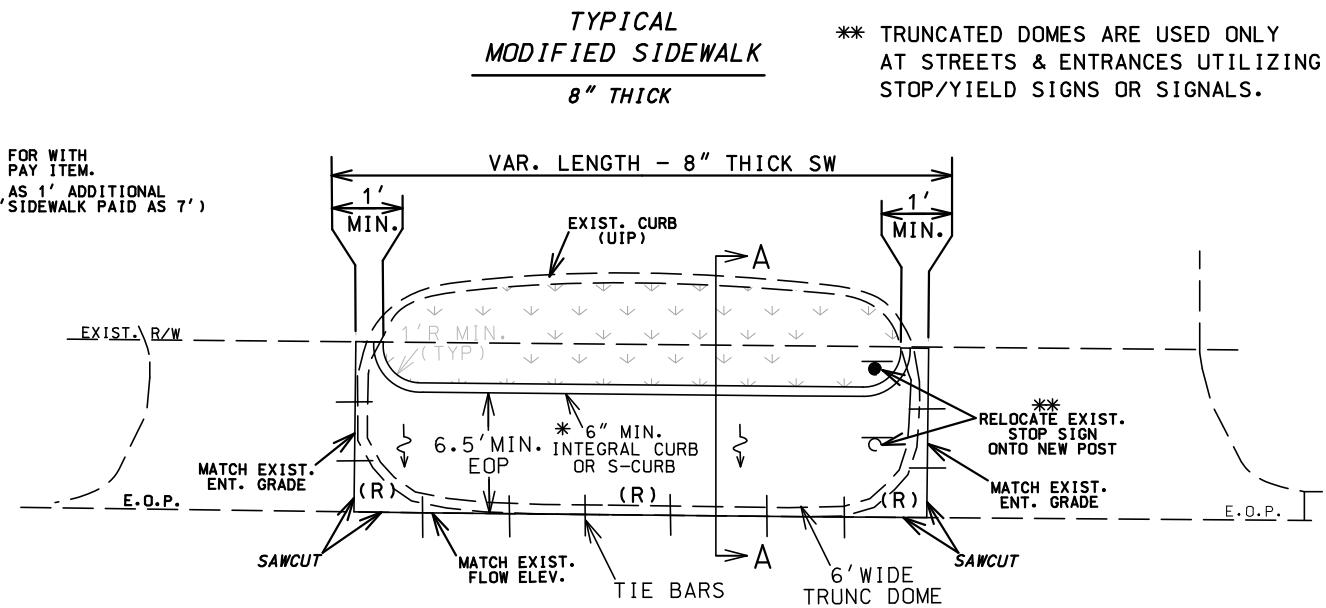
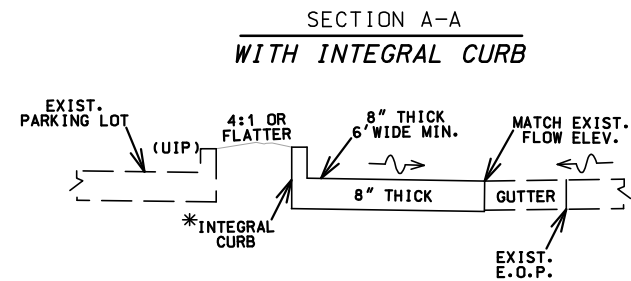
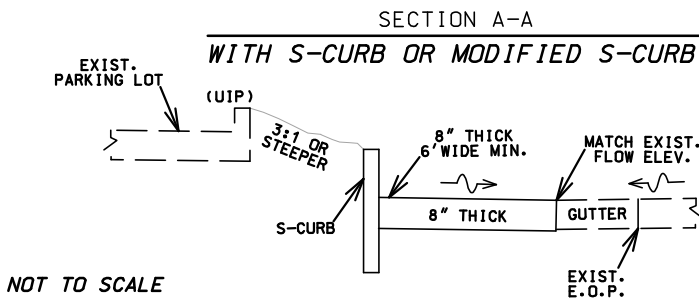
Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180 PHONE 572-643-3161 CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING WWW.BARTLETTWEST.COM

NOTES FOR MODIFIED SIDEWALK:

1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK PAID FOR AS 8" SIDEWALK.
6. 6' MINIMUM WIDTH.
7. NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX.)
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

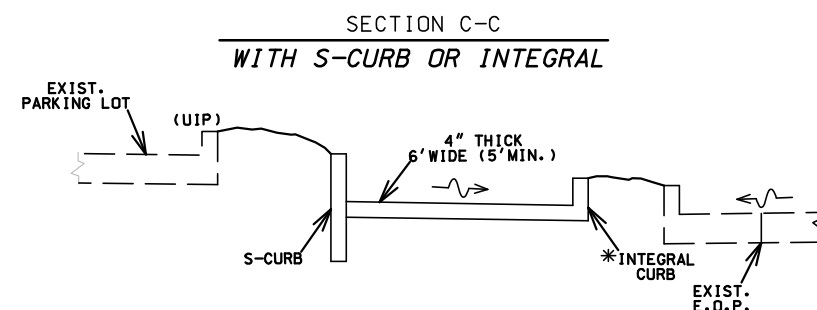
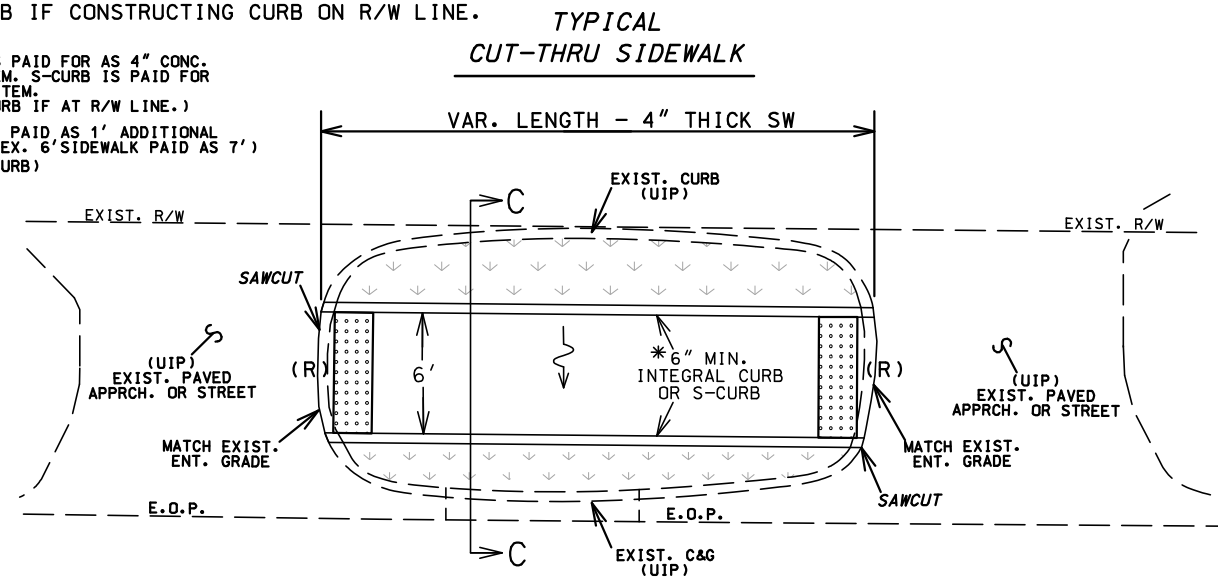
* INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)



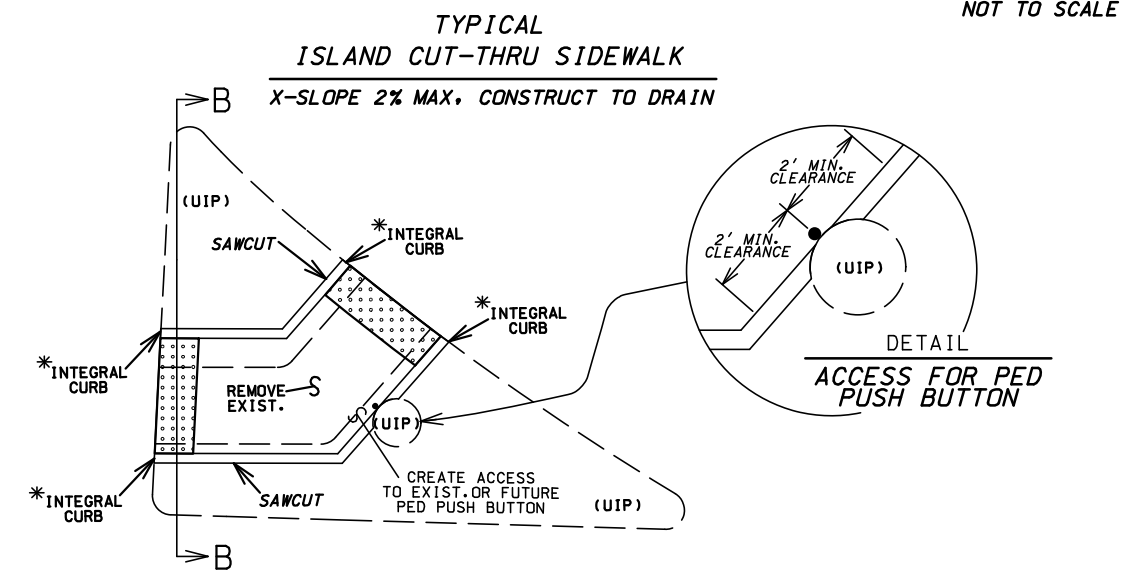
NOTES FOR CUT-THRU SIDEWALK:

1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU SIDEWALK PAID FOR AS 4" SIDEWALK.
6. 6' PREFERRED WIDTH (5' MIN.)
7. SAW CUTS (NO DIRECT PAY).
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

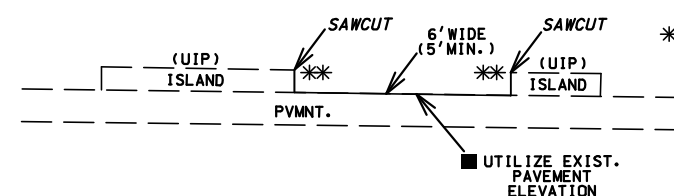
* INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM. (ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)



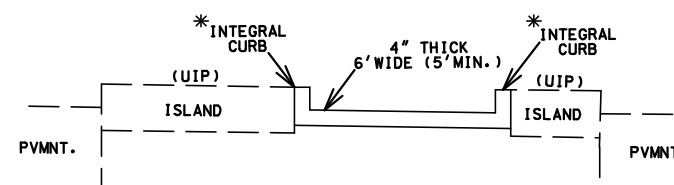
NOT TO SCALE



SECTION B-B
ISLAND CUT-THRU SIDEWALK
FOR EXISTING 'PINNED-ON' ISLAND



SECTION B-B
ISLAND CUT-THRU SIDEWALK

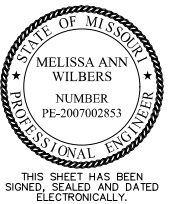


■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)
** NO INTEGRAL CURB, AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

* INTEGRAL CURB IS PAID FOR WITH THE 4" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)

MODIFIED SIDEWALK
AND
SIDEWALK CUT-THRU'S

TYPICAL SHEET
SHEET 2 OF 2



DATE PREPARED
2/29/2024

ROUTE
VAR
DISTRICT
KC

STATE
MO
SHEET NO.
2

COUNTY
CASS
JOB NO.
J4P3268D

CONTRACT ID.

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DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
FAX 572-643-3161
WWW.BARTLETTWEST.COM

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

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

REMOVAL OF IMPROVEMENTS							
ROUTE	STA	STA	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
A	748+87.50	748+97.00	LT	EXIST. SIDEWALK	13.2	SY	1 - 6' SAWCUT 1 - 5' SAWCUT
A	748+90.60	748+98.50	LT	EXIST. 24" PIPE	8	LF	
A	748+91.40	748+99.30	RT	EXIST. 18" PIPE	8	LF	
A	748+92.10	748+97.20	RT	EXIST. SIDEWALK	9.6	SY	1 - 6' SAWCUT 1 - 4' SAWCUT
TOTAL					1	LUMP SUM	

LINEAR GRADING FOR SIDEWALKS						
ROUTE	STA	STA	LOCATION	LINEAR GRADING FOR SIDEWALKS	EMBANKMENT IN PLACE	REMARKS
				STA	CY	
A	748+87.50	748+97.10	LT	0.3		
A	748+89.50		LT		2.4	
A	748+92.10	748+97.20	RT	0.2		
A	748+99.10		RT		1.6	
A	748+99.50		LT		2.4	
A	749+01.50	749+21.10	RT	0.1		REGRADE DITCH
TOTAL				0.6	6.4	

CONCRETE CURB RAMP						
ROUTE	STA	STA	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
				SY	SF	
A	748+92.00	748+97.00	LT	7.2	10	
A	748+92.10	748+97.20	RT	7.2	10	
TOTAL				14.4	20	
INTEGRAL CURB INCLUDED IN CURB RAMP COST. SEE TYPICAL SHEETS FOR PAY ITEM LIMITS.						

DRAINAGE PIPES AND STRUCTURES								
ROUTE	STA	STA	LOCATION	PIPE COLLAR TYPE A	GROUP C PIPE 24 IN.	FLARED END SECTION GROUP C 24 IN.	CLASS 3 EXC.	REMARKS
				(EA)	(LF)	(EA)	(CY)	
A	748+83.60	749+01.40	RT	1	15	2	4.9	
A	748+87.00	749+02.00	LT		15		2.5	
TOTAL				1	30	2	7.4	

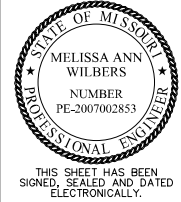
SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
A	748+87.50	748+96.50	LT	4.5	6' SIDEWALK
A	748+92.00	748+97.20	LT	3.0	
A	748+92.20	748+97.20	RT	5.1	
TOTAL				12.6	

PAVEMENT MARKING (PERMANENT)					
ROUTE	STA	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK	PAVEMENT MARKING REMOVAL	REMARKS
			(EA)	(LF)	
			A	748+94.70	
TOTAL			5	47	

SEEDING AND MULCH						
ROUTE	STA	STA	LOCATION	SEEDING	MULCHING	REMARKS
				SY	SY	
A	748+83.90	748+92.00	LT	10.9	10.9	
A	748+87.10	748+93.20	RT	12.3	12.3	
A	748+92.10	749+02.00	LT	15.1	15.1	
A	748+96.60	749+02.10	RT	12.8	12.8	
TOTAL				51.1	51.1	

EROSION CONTROL					
ROUTE	STA	LOCATION	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
			LF	CY	
A	748+87.00	LT	3.0	1.0	USE AS DIRECTED BY ENGINEER
TOTAL			3	1	
PER EPG 806.6: QUANTITIES FOR SEDIMENT REMOVAL ARE ESTIMATED USING 1 CY PER DITCH CHECK, 1 CY PER 100 LINEAR FEET, OR SILT FENCE AND 10 CY PER SEDIMENT BASIN					

ARCHIE – ROUTE A
SUMMARY OF QUANTITIES
SHEET 1 OF 19



DATE PREPARED
3/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
3
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J4P3268D
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)



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PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

REMOVAL OF IMPROVEMENTS (TABLE 1 OF 2)							
ROUTE	STA	STA	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
58	22+84.00	23+14.70	LT	EXIST. CURB AND GUTTER	34.1	LF	
58	22+85.60	23+03.10	LT	EXIST. CURB RAMP	12.2	SY	1 - 6' SAWCUT 1 - 7' SAWCUT
58	22+99.40	23+16.30	LT	EXIST. SIDEWALK	10.1	SY	6' SAWCUT
58	23+43.50	23+56.90	RT	EXIST. SIDEWALK	9.7	SY	6' SAWCUT
58	23+43.70	23+67.50	RT	EXIST. CURB AND GUTTER	23.8	LF	
58	23+48.50	23+66.80	RT	EXIST. MEDIAN	11.1	SY	
58	23+56.80	23+67.40	RT	EXIST. CURB RAMP	8.4	SY	6' SAWCUT
58	23+59.30	23+67.30	RT	EXIST. CURB	11.8	LF	
58	23+73.80	24+63.30	RT	EXIST. CURB AND GUTTER	96.4	LF	
58	23+75.30	24+01.70	RT	EXIST. CURB RAMP	21.3	SY	7' SAWCUT
58	23+99.00	24+63.30	RT	EXIST. SIDEWALK	42.6	SY	6' SAWCUT
58	24+72.60	24+87.20	LT	EXIST. CURB RAMP	10.2	SY	6.5' SAWCUT
58	24+76.60	24+91.70	LT	EXIST. CURB AND GUTTER	19.2	LF	
58	25+07.60	25+43.00	LT	EXIST. CURB AND GUTTER	35.4	LF	
58	25+07.60	25+43.10	LT	EXIST. SIDEWALK CUT-THRU	24.2	SY	6' SAWCUT
58	25+89.20	26+10.50	LT	EXIST. CURB AND GUTTER	26.1	LF	
58	25+90.60	26+13.40	LT	EXIST. CURB RAMP	11.0	SY	7' SAWCUT
58	26+03.50	26+13.40	LT	EXIST. SIDEWALK	5.0	SY	6' SAWCUT
58	27+09.30	27+11.90	LT	EXIST. STEEL PLATE	6.0	LF	
58	27+10.80	27+14.10	RT	EXIST. STEEL PLATE	6.0	LF	
58	29+19.60	29+44.00	RT	EXIST. CURB RAMP	15.9	SY	7' SAWCUT
58	29+26.00	29+44.00	RT	EXIST. CURB AND GUTTER	18.0	LF	
58	30+41.10	30+76.80	LT	EXIST. CURB RAMP	21.8	SY	7' SAWCUT
58	30+41.10	30+86.70	LT	EXIST. CURB AND GUTTER	50.8	LF	
58	30+60.30	30+86.70	LT	EXIST. APPROACH	18.9	SY	SAWCUTS @ VAR LENGTHS
58	31+67.90	31+85.60	RT	EXIST. CURB AND GUTTER	17.7	LF	
58	31+68.00	31+93.40	RT	EXIST. CURB RAMP	17.5	SY	6.5' SAWCUT
58	36+18.40	31+43.70	LT	EXIST. SIDEWALK	14.1	SY	5' SAWCUT
58	37+18.20	37+65.20	RT	EXIST. CURB AND GUTTER	52.1	LF	
58	37+18.20	37+39.00	RT	EXIST. SIDEWALK	15.6	SY	6' SAWCUT
58	37+18.40	37.30.60	LT	EXIST. SIDEWALK	8.1	SY	6' SAWCUT
58	37+21.90	37+59.40	LT	EXIST. CURB AND GUTTER	52.0	LF	
58	37+22.00	37+56.90	LT	EXIST. MEDIAN	37.9	SY	SAWCUTS @ VAR LENGTHS
58	37+30.60	37+51.80	LT	EXIST. CURB RAMP	12.4	SY	6' SAWCUT
58	37+38.50	37+58.30	RT	EXIST. CURB RAMP	10.7	SY	7' SAWCUT
58	37+50.90	37+56.90	LT	EXIST. CURB	14.9	LF	
58	37+51.50	38+12.00	RT	EXIST. APPROACH	60.0	SY	SAWCUTS @ VAR LENGTHS
58	37+77.10	38+03.90	LT	EXIST. CURB	40.4	LF	
58	37+77.90	38+02.80	LT	EXIST. MEDIAN	24.6	SY	SAWCUTS @ VAR LENGTHS
58	38+02.30	A22+22.60	RT	EXIST. CURB AND GUTTER	65.1	LF	
58	38+07.70	38+25.30	RT	EXIST. CURB RAMP	9.5	SY	7' SAWCUT
58	38+22.00	A22+17.00	LT	EXIST. CURB AND GUTTER	45.7	LF	
58	38+25.30	A22+22.60	RT	EXIST. SIDEWALK	26.1	SY	6' SAWCUT
58	38+25.30	A22+11.60	LT	EXIST. MEDIAN	27.8	SY	SAWCUTS @ VAR LENGTHS
58	A21+93.80	A22+11.50	LT	EXIST. CURB RAMP	11.5	SY	6' SAWCUT
58	A21+94.40	A22+16.90	LT	EXIST. SIDEWALK	19.5	SY	5' SAWCUT
58	A25+38.10	A25+50.60	LT	EXIST. APPROACH	2.0	SY	SAWCUTS @ VAR LENGTHS
58	A25+38.50	A25+58.30	LT	EXIST. CURB RAMP	12.2	SY	7' SAWCUT
58	A25+43.80	A25+64.40	LT	EXIST. CURB AND GUTTER	20.3	LF	
58	A25+58.40	A25+64.40	LT	EXIST. SIDEWALK	3.9	SY	6' SAWCUT
58	A25+92.20	A26+38.50	RT	EXIST. CURB AND GUTTER	51.3	LF	
58	A25+92.20	A25+97.20	RT	EXIST. SIDEWALK	3.3	SY	6' SAWCUT
58	A25+97.20	A26+24.40	RT	EXIST. CURB RAMP	15.6	SY	6.5' SAWCUT
58	A26+73.00	A27+03.50	LT	EXIST. SIDEWALK CUT-THRU	13.1	SY	5' SAWCUT
58	A26+73.00	A28+03.70	LT	EXIST. CURB	30.7	LF	
58	A26+74.30	A27+01.00	LT	EXIST. CURB	56.4	LF	
58	A26+75.40	A27+00.00	LT	EXIST. MEDIAN	7.5	SY	SAWCUTS @ VAR LENGTHS
58	A26+78.10	A26+96.80	LT	EXIST. CURB AND GUTTER	18.7	LF	
58	A26+81.50	A27+27.20	RT	EXIST. CURB AND GUTTER	56.3	LF	
58	A27+03.30	A27+27.20	RT	EXIST. CURB RAMP	12.2	SY	6' SAWCUT
58	A27+34.80	A27+53.80	LT	EXIST. CURB RAMP	12.4	SY	6' SAWCUT
58	A27+53.80	A27+60.90	LT	EXIST. SIDEWALK	4.7	SY	6' SAWCUT
58	A29+30.80	A29+61.50	RT	EXIST. SIDEWALK	20.4	SY	6' SAWCUT
58	A29+38.30	A29+68.20	LT	EXIST. CURB AND GUTTER	30.0	LF	
58	A30+03.50	A31+15.80	RT	EXIST. SIDEWALK	75.5	SY	6' SAWCUT
58	A30+03.60	A31+28.20	RT	EXIST. CURB AND GUTTER	136.2	LF	
58	A30+79.70	A31+12.10	RT	EXIST. CURB	34.9	LF	
58	A30+81.70	A31+15.80	RT	EXIST. CURB	76.4	LF	
58	A30+82.60	A31+15.40	RT	EXIST. MEDIAN	9.1	SY	SAWCUTS @ VAR LENGTHS
58	A30+91.00	A31+21.50	LT	EXIST. SIDEWALK	17.0	SY	5' SAWCUT
58	A30+96.40	A31+44.30	LT	EXIST. CURB AND GUTTER	52.9	LF	
58	A31+12.10	A31+25.70	RT	EXIST. CURB RAMP	36.4	SY	SAWCUTS @ VAR LENGTHS
58	A31+19.80	A31+40.40	LT	EXIST. CURB RAMP	15.5	SY	6' SAWCUT
58	A31+20.10	A31+25.70	RT	EXIST. SIDEWALK	2.7	SY	SAWCUTS @ VAR LENGTHS
58	A31+36.10	A31+43.60	LT	EXIST. SIDEWALK	4.0	SY	5' SAWCUT
58	A31+88.40	A32+32.80	LT	EXIST. CURB AND GUTTER	48.8	LF	

REMOVAL OF IMPROVEMENTS (TABLE 2 OF 2)							
RTE.	STA.	STA.	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
58	A31+93.50	A32+07.80	LT	EXIST. CURB RAMP	9.9	SY	6' SAWCUT
58	A32+00.60	A32+31.00	RT	EXIST. CURB AND GUTTER	53.5	LF	
58	A32+04.90	A32+32.80	LT	EXIST. SIDEWALK	20.1	SY	7' SAWCUT
58	A32+09.50	A32+15.30	RT	EXIST. SIDEWALK	2.8	SY	5' SAWCUT
58	A32+10.10	A32+33.50	RT	EXIST. CURB RAMP	29.9	SY	1 - 10' SAWCUT 2 - 5' SAWCUT
58	A32+29.80	A32+37.00	RT	EXIST. SIDEWALK	2.8	SY	5' SAWCUT
TOTAL					1	LUMP SUM	

CURB AND GUTTER TYPE B						
ROUTE	STA	STA	LOCATION	CURB AND GUTTER TYPE B	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
58	22+85.00	23+14.10	LT	32.8	9.1	2.5' WIDTH
58	23+43.60	23+67.70	RT	24.0	6.7	2.5' WIDTH
58	23+75.20	24+63.30	RT	96.8	26.9	2.5' WIDTH
58	24+76.10	24+91.70	LT	19.1	5.3	2.5' WIDTH
58	25+04.00	25+43.00	LT	38.9	10.8	2.5' WIDTH
58	25+89.10	26+10.00	LT	26.5	7.4	2.5' WIDTH
58	29+26.00	29+44.00	RT	18.0	6.0	3' WIDTH
58	30+41.10	30+58.20	LT	17.1	5.7	3' WIDTH
58	31+67.90	31+85.60	RT	17.7	5.9	3' WIDTH
58	37+18.20	37+65.20	RT	52.1	17.4	3' WIDTH
58	37+21.80	37+59.40	LT	50.7	16.9	3' WIDTH
58	38+02.30	A22+22.60	RT	64.8	6.0	3' WIDTH
58	38+22.10	A22+17.00	LT	46.7	15.6	3' WIDTH
58	A24+86.80	A25+07.40	LT	20.6	6.9	3' WIDTH
58	A25+43.80	A25+64.40	LT	20.6	6.9	3' WIDTH
58	A25+92.20	A26+38.50	RT	51.3	17.1	3' WIDTH
58	A26+78.10	A26+96.80	LT	18.7	6.2	3' WIDTH
58	A26+81.50	A27+27.20	RT	56.3	18.8	3' WIDTH
58	A27+40.80	A27+60.80	LT	20.0	6.7	3' WIDTH
58	A29+00.30	A29+10.30	LT	10.0	3.3	3' WIDTH
58	A29+28.20	A29+68.20	LT	40.1	13.4	3' WIDTH
58	A30+03.50	A31+27.50	RT	134.8	37.4	2.5' WIDTH
58	A30+96.40	A31+44.30	LT	52.9	17.6	3' WIDTH
58	A31+88.30	A32+32.80	LT	48.9	13.6	2.5' WIDTH
58	A32+01.60	A32+30.90	RT	47.2	13.1	2.5' WIDTH
TOTAL				1026.6	300.7	

MODIFIED TYPE A GUTTER WITH STEEL PLATE						
ROUTE	STA	STA	LOCATION	MODIFIED TYPE A GUTTER WITH STEEL PLATE	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
58	27+09.30	27+12.10	LT	7	2.3	
58	27+10.70	27+14.10	RT	7	2.3	
TOTAL				14	4.6	

CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S					
ROUTE	STA	STA	LOCATION	LF	REMARKS
58	23+03.10	23+16.30	LT	14.2	
58	23+43.50	23+49.30	RT	5.8	
58	25+08.40	25+11.20	LT	4.2	
58	30+41.10	30+60.60	LT	20.2	
58	31+68.00	31+74.00	RT	6.0	
58	31+91.60	31+93.40	RT	3.3	
TOTAL				53.6	

BELTON - ROUTE 58
SUMMARY OF QUANTITIES
SHEET 2 OF 19



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
3

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161

2/29/2024

CONCRETE CURB RAMP						
ROUTE	STA	STA	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
				SY	SF	
58	22+86.00	23+03.10	LT	17.3	13.1	
58	23+49.30	23+64.30	RT	24.9	11.6	
58	23+76.70	23+90.70	RT	19.2	9.6	
58	24+77.40	24+90.50	LT	8.8	9.6	
58	25+05.00	25+43.20	LT	39.7	19.2	CUT-THRU
58	25+90.60	26+09.10	LT	22.7	11.1	
58	29+19.20	29+38.00	RT	20.2	17.9	
58	30+60.60	30+84.20	LT	25.0	11.6	
58	31+74.00	31+93.40	RT	19.9	16.7	
58	37+24.20	37+59.20	RT	39.5	27.6	
58	37+26.10	37+41.20	LT	10.3	11.6	
58	37+42.90	37+56.80	LT	14.5	9.6	
58	37+77.00	38+03.90	LT	27.5	19.2	CUT-THRU
58	38+06.50	A22+16.60	RT	54.9	26.4	
58	38+24.60	A22+05.90	LT	30.1	19.2	
58	A24+92.80	A25+15.10	LT	24.7	17.3	
58	A25+38.00	A25+58.40	LT	22.7	14.6	
58	A25+98.20	A26+25.20	RT	13.9	31.1	
58	A26+59.70	A26+73.00	RT	7.5	25.2	CUT-THRU
58	A26+73.40	A27+02.70	LT	15.5	23.3	6' CUT-THRU
58	A26+90.40	A27+04.40	RT	18.4	16.8	
58	A27+35.10	A27+54.90	LT	21.5	12.6	
58	A30+93.40	A31+25.70	RT	41.3	22.5	
58	A30+95.80	A31+19.90	LT	29.5	9.6	
58	A31+29.10	A31+40.60	LT	7.5	13.8	
58	A31+89.50	A32+26.80	LT	15.1	22.4	
58	A32+03.60	A32+30.00	RT	51.7	22.5	
			TOTAL	643.8	465.7	
INTEGRAL CURB INCLUDED IN CURB RAMP COST. SEE TYPICAL SHEETS FOR PAY ITEM LIMITS.						

SEEDING AND MULCH						
ROUTE	STA	STA	LOCATION	SEEDING SY	MULCHING SY	REMARKS
58	22+82.50	24+91.10	LT	125.4	125.4	
58	23+70.50	24+63.40	RT	56.4	56.4	
58	25+89.00	27+09.10	LT	69.2	69.2	
58	29+17.00	29+44.00	RT	14.3	14.3	
58	30+41.20	30+85.60	LT	24.8	24.8	
58	31+68.00	31+93.00	RT	13.6	13.6	
58	36+17.70	36+43.70	LT	15.0	15.0	
58	36+19.10	36+43.70	LT	8.6	8.6	
58	37+16.20	37+21.90	LT	1.2	1.2	
58	37+18.20	37+62.60	RT	23.8	23.8	
58	37+34.60	37+55.80	LT	7.9	7.9	
58	37+77.00	38+03.90	LT	14.9	14.9	
58	38+04.40	22+22.60	RT	30.8	30.8	
58	38+24.50	21+99.60	LT	5.9	5.9	
58	21+98.00	22+21.70	LT	18.2	18.2	
58	25+37.80	25+64.40	LT	14.6	14.6	
58	25+92.20	26+31.30	RT	19.7	19.7	
58	26+73.00	27+05.10	LT	17.4	17.4	
58	26+87.10	27+27.20	RT	25.6	25.6	
58	27+33.90	27+60.90	LT	14.5	14.5	
58	29+30.80	29+61.50	RT	17.1	17.1	
58	30+03.50	31+21.90	RT	69.9	69.9	
58	30+89.70	31+39.80	LT	31.7	31.7	
58	30+92.50	31+03.60	LT	4.5	4.5	
58	31+35.20	31+46.30	LT	6.1	6.1	
58	31+86.40	32+32.60	LT	25.4	25.4	
58	32+03.40	32+11.80	RT	4.8	4.8	
58	32+14.20	32+40.40	RT	24.5	24.5	
TOTAL				705.8	705.8	

PAVEMENT MARKING (PERMANENT)								
ROUTE	STA	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (STOP)	PAVEMENT MARKING SYMBOL REMOVAL	PAVEMENT MARKING REMOVAL	REMARKS
			(EA)	(LF)	(EA)	(EA)	(LF)	
58	23+69.20	RT	4			4		
58	24+97.80	LT	4				49	
58	25+67.00	LT	9				97	
58	31+06.70	LT	8					
58	32+13.70	RT	8					
58	37+32.60	RT		35			35	
58	37+42.50	RT/LT	11			11		
58	37+68.30	LT	3			7		
58	37+82.00	RT	8					
58	38+13.10	LT	3			7		
58	A22+04.70	RT/LT	11			11		
58	A22+15.40	LT		34			34	
58	A26+72.70	RT			1			
58	A26+74.40	RT		15			15	
58	A30+93.20	RT		54			54	
58	A31+06.50	RT/LT	16			15		
58	A31+64.80	LT	9					
58	A31+66.40	RT	15					
58	A32+16.70	RT/LT	14			14		
58	A32+25.90	LT		35			35	
TOTAL			123	173	1	69	319	

LIGHTING						
RTE	STA	LOCATION	RELOCATED LIGHT POLE	CABLE-CONDUIT 2C#8 AWG	POLE FOUNDATION 45 FT. OR 13.5 M MOUNTING HEIGHT	REMARKS
			EA	LF	EA	
58	A26+85.20	LT		24.0		
58	A26+85.30	LT	1		1	SEE SHEET 112
TOTAL			1	24.0	1	

BELTON - ROUTE 58
SUMMARY OF QUANTITIES
SHEET 4 OF 19

[illegible]

REMOVAL OF IMPROVEMENTS							
ROUTE	STA	STA	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
0	10+40.90	11+07.30	RT	EXIST. SIDEWALK	30.0	SY	SAWCUT @ 4.5'
0	10+74.70	10+84.80	RT	EXIST. 12" PIPE	10.0	LF	
TOTAL					1	LUMP SUM	

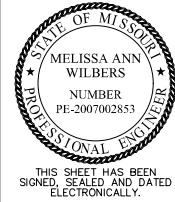
LINEAR GRADING FOR SIDEWALKS					
ROUTE	STA	STA	LOCATION	LINEAR GRADING FOR SIDEWALKS	REMARKS
				STA	
0	10+37.00	10+80.80	RT	0.4	
0	10+72.50	10+87.60	RT	0.2	REGRADE DITCH
TOTAL				0.6	

CONCRETE CURB RAMP						
ROUTE	STA	STA	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
				SY	SY	
0	10+37.00	10+50.10	RT	7.2	10	
TOTAL				7.2	10	
INTEGRAL CURB INCLUDED IN CURB RAMP COST. SEE TYPICAL SHEETS FOR PAY ITEM LIMITS.						

SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
0	10+50.00	10+80.80	RT	19.1	
TOTAL				19.1	

SEEDING AND MULCH						
ROUTE	STA	STA	LOCATION	SEEDING	MULCHING	REMARKS
				SY	SY	
0	10+37.20	11+07.30	RT	50.1	50.1	
TOTAL				50.1	50.1	

FREEMAN – ROUTE 0
SUMMARY OF QUANTITIES
SHEET 5 OF 19



DATE PREPARED 3/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CASS	
JOB NO. J4P3268D	
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)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

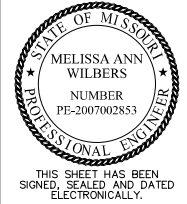
SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
2 (IND. ST.)	649+93.20	650+03.20	LT	5.3	
2 (IND. ST.)	650+11.30	650+16.00	RT	2.5	
2 (IND. ST.)	650+79.60	650+84.90	RT	3.8	
2 (IND. ST.)	650+83.30	650+94.80	RT	6.0	
2 (IND. ST.)	651+05.80	651+15.90	RT	5.6	
2 (IND. ST.)	651+12.30	651+17.70	LT	2.7	
2 (IND. ST.)	651+70.80	652+05.70	RT	19.2	
2 (IND. ST.)	652+44.20	652+57.70	RT	7.5	
2 (IND. ST.)	652+62.70	653+10.60	RT	26.6	
2 (IND. ST.)	653+57.20	654+11.50	RT	30.1	
2 (IND. ST.)	654+78.60	654+89.10	RT	5.8	
3 (IND. ST.)	654+94.30	655+14.80	RT	11.4	
2 (IND. ST.)	655+57.00	656+72.30	RT	64.0	
2 (IND. ST.)	657+11.30	657+33.50	RT	12.3	
2 (IND. ST.)	657+72.30	658+81.40	RT	59.0	
2 (IND. ST.)	659+24.10	659+68.00	RT	21.9	
2 (IND. ST.)	661+14.80	661+20.70	RT	2.8	
2 (IND. ST.)	661+60.10	662+26.00	RT	33.1	
2 (IND. ST.)	662+43.10	663+72.70	RT	67.3	
2 (IND. ST.)	664+19.30	664+24.30	RT	2.5	
2 (IND. ST.)	664+32.20	665+79.40	RT	81.8	
2 (IND. ST.)	666+30.30	666+51.80	RT	11.9	
2 (COM. ST.)	856+34.70	856+39.60	LT	2.5	
2 (COM. ST.)	856+47.30	857+03.20	LT	61.4	
2 (COM. ST.)	858+22.30	858+61.40	RT	20.6	
2 (COM. ST.)	860+07.90	861+02.90	RT	52.8	
2 (COM. ST.)	863+37.70	863+48.10	RT	5.6	
2 (COM. ST.)	864+02.00	864+07.00	RT	3.1	
2 (COM. ST.)	864+07.00	864+49.20	RT	32.5	7' SIDEWALK
2 (COM. ST.)	864+49.20	864+82.40	RT	21.8	6' SIDEWALK
2 (COM. ST.)	864+89.40	865+06.00	RT	10.0	6' SIDEWALK
2 (COM. ST.)	865+50.20	866+58.60	LT	3.1	
2 (COM. ST.)	865+66.20	865+73.70	RT	63.9	
2 (COM. ST.)	867+25.00	867+53.80	RT	16.2	
2 (COM. ST.)	07+82.20	08+27.80	RT	24.8	
2 (COM. ST.)	09+30.80	09+36.10	RT	2.8	
2 (COM. ST.)	10+03.30	10+10.40	RT	3.0	
2 (COM. ST.)	10+24.30	10+31.60	RT	3.2	
2 (COM. ST.)	10+58.10	12+92.90	RT	127.3	6.6' SIDEWALK
2 (COM. ST.)	12+92.80	13+79.80	RT	33.4	
2 (COM. ST.)	13+79.80	16+60.60	RT	174.6	6' SIDEWALK
2 (COM. ST.)	17+81.20	17+87.30	RT	4.0	
2 (SOU. ST.)	00+32.90	01+18.70	LT	47.6	
2 (SOU. ST.)	01+88.20	02+09.30	LT	11.8	
2 (SOU. ST.)	02+53.40	04+26.10	LT	97.7	
2 (SOU. ST.)	04+71.90	05+13.30	LT	23.0	
2 (SOU. ST.)	05+56.90	05+91.80	LT	19.4	
2 (SOU. ST.)	06+34.00	08+24.20	LT	108.2	
2 (SOU. ST.)	08+68.70	12+93.10	LT	236.1	
2 (SOU. ST.)	13+01.10	13+06.10	LT	2.5	
2 (SOU. ST.)	13+55.90	13+71.70	LT	15.0	
2 (SOU. ST.)	15+12.60	15+24.60	LT	6.7	
2 (SOU. ST.)	15+19.80	16+36.80	RT	65.0	
2 (SOU. ST.)	26+20.30	26+57.30	RT	20.3	
2 (SOU. ST.)	26+75.30	26+80.70	RT	2.4	
2 (SOU. ST.)	27+29.40	28+70.50	RT	78.4	
2 (SOU. ST.)	29+14.70	29+63.20	RT	26.9	
2 (SOU. ST.)	30+07.20	30+12.30	RT	2.6	
2 (SOU. ST.)	30+22.30	30+75.30	RT	29.5	
2 (SOU. ST.)	31+12.30	31+32.20	RT	11.1	
2 (SOU. ST.)	31+67.00	32+25.50	RT	32.6	
2 (SOU. ST.)	32+71.70	33+59.20	RT	48.6	
2 (SOU. ST.)	34+06.00	35+00.60	RT	52.5	
2 (SOU. ST.)	35+49.80	36+61.00	RT	61.8	
2 (SOU. ST.)	36+93.20	37+12.50	RT	10.7	
2 (SOU. ST.)	37+46.10	37+59.10	RT	6.9	
2 (SOU. ST.)	40+26.70	40+31.70	RT	2.5	
2 (SOU. ST.)	40+41.70	40+46.70	RT	2.5	
2 (SOU. ST.)	40+88.30	42+87.40	RT	110.6	
2 (SOU. ST.)	42+80.20	42+89.50	LT	9.2	
2 (SOU. ST.)	43+08.70	43+18.70	RT	5.3	
TOTAL				2297.1	

REMOVAL OF IMPROVEMENTS (TABLE 3 OF 3)							
ROUTE	STA	STA	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
2 (SOU. ST.)	37+13.10	37+46.10	RT	EXIST. APPROACH	56.0	SY	SAWCUTS @ VAR LENGTHS
2 (SOU. ST.)	37+13.90	37+44.30	RT	EXIST. 15" PIPE	30.4	LF	
2 (SOU. ST.)	37+41.20	37+59.10	RT	EXIST. SIDEWALK	8.3	SY	4' SAWCUT
2 (SOU. ST.)	40+26.70	40+31.70	RT	EXIST. SIDEWALK	2.4	SY	4' SAWCUT
2 (SOU. ST.)	40+31.70	40+49.90	RT	EXIST. CURB RAMP	12.8	SY	1 - 4' SAWCUT 1 - 5' SAWCUT
2 (SOU. ST.)	40+42.70	40+46.70	RT	EXIST. SIDEWALK	2.3	SY	4' SAWCUT
2 (SOU. ST.)	40+46.70	40+49.90	RT	EXIST. CURB	5.6	LF	
2 (SOU. ST.)	40+74.00	40+86.50	RT	EXIST. CURB RAMP	6.2	SY	5' SAWCUT
2 (SOU. ST.)	40+74.30	40+77.40	RT	EXIST. CURB	5.5	LF	
2 (SOU. ST.)	40+86.40	42+92.40	RT	EXIST. SIDEWALK	91.7	SY	4' SAWCUT
2 (SOU. ST.)	42+80.70	43+12.00	RT	EXIST. 12" PIPE	31.2	LF	
2 (SOU. ST.)	42+85.20	42+91.30	LT	EXIST. CURB RAMP	7.7	SY	SAWCUTS @ VAR LENGTHS
2 (SOU. ST.)	42+85.20	42+90.70	RT	EXIST. CURB RAMP	9.2	SY	6' SAWCUT
2 (SOU. ST.)	42+90.70	42+92.80	RT	EXIST. GUTTER	15.5	LF	
2 (SOU. ST.)	42+92.80	43+11.50	RT	EXIST. APPROACH	24.2	SY	SAWCUTS @ VAR LENGTHS
2 (SOU. ST.)	43+03.70	43+18.70	RT	EXIST. SIDEWALK	6.6	SY	4' SAWCUT
TOTAL					1	LUMP SUM	

CURB AND GUTTER TYPE B						
ROUTE	STA	STA	LOCATION	CURB AND GUTTER TYPE B	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
2 (IND. ST.)	650+80.90	652+08.70	RT	30.5	8.5	2.5' WIDTH
2 (IND. ST.)	666+23.40	666+29.30	RT	5.9	1.6	2.5' WIDTH
2 (COM. ST.)	856+43.30	856+55.20	RT	11.8	3.3	2.5' WIDTH
2 (COM. ST.)	856+44.60	856+54.30	LT	10.0	2.8	2.5' WIDTH
2 (COM. ST.)	856+84.60	856+94.90	LT	12.2	3.4	2.5' WIDTH
2 (COM. ST.)	864+02.00	865+17.90	RT	136.6	45.5	3' WIDTH
2 (COM. ST.)	865+52.20	865+57.00	RT	9.8	3.3	3' WIDTH
2 (COM. ST.)	9+45.40	9+57.40	RT	18.7	6.2	3' WIDTH
2 (COM. ST.)	9+95.50	10+06.20	RT	17.5	5.8	3' WIDTH
2 (COM. ST.)	16+62.10	16+81.20	RT	23.0	7.7	3' WIDTH
TOTAL				276.0	88.1	

CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S					
ROUTE	STA	STA	LOCATION	LF	REMARKS
2 (IND. ST.)	649+98.20	650+03.20	LT	5.0	
2 (IND. ST.)	650+04.20	650+07.90	LT	3.6	
2 (IND. ST.)	650+21.40	650+22.60	RT	2.4	
2 (IND. ST.)	650+67.30	650+68.90	RT	3.0	
2 (IND. ST.)	651+05.90	651+08.40	RT	2.5	
2 (IND. ST.)	653+57.30	654+11.5	RT	54.2	
2 (IND. ST.)	654+04.00	654+24.5	RT	20.7	
2 (IND. ST.)	654+65.60	654+79.00	RT	13.6	
2 (IND. ST.)	654+78.70	654+90.40	RT	11.8	
2 (IND. ST.)	654+93.10	655+14.80	RT	21.7	
2 (IND. ST.)	655+57.00	656+72.30	RT	115.2	
2 (IND. ST.)	657+11.30	657+33.30	RT	22.1	
2 (IND. ST.)	657+72.30	658+10.90	RT	38.7	
2 (COM. ST.)	856+71.70	856+86.10	LT	30.0	
2 (COM. ST.)	864+07.00	864+49.20	RT	42.4	
2 (COM. ST.)	12+94.00	13+35.60	RT	41.1	
2 (SOU. ST.)	00+21.90	00+25.90	LT	5.2	
2 (SOU. ST.)	03+98.50	04+26.10	LT	27.6	
TOTAL				460.8	

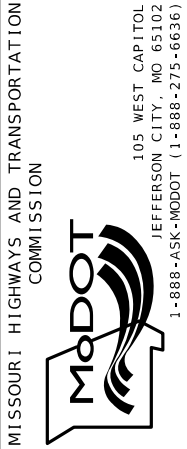
HARRISONVILLE – ROUTE 2
SUMMARY OF QUANTITIES
SHEET 7 OF 19



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION				



Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

PCC PAVED APPROACH							
ROUTE	STA	LOCATION	PAVED APPROACH, 7 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	GRAVEL (A) OR CRUSHED STONE (B) (7 IN. THICK)	LINEAR GRADING CLASS 1	REMARKS
			SY	SY	SY	STA	
2 (IND. ST.)	651+39.45	RT	46.4	46.4		0.4	
2 (IND. ST.)	652+24.95	RT	16.7	16.7		0.1	
2 (IND. ST.)	653+33.91	RT	25.6	25.6		0.2	
2 (IND. ST.)	655+35.82	RT	15.0	15.0		0.1	
2 (IND. ST.)	656+92.05	RT	19.6	19.6		0.1	
2 (IND. ST.)	657+52.42	RT	17.7	17.7		0.1	
2 (IND. ST.)	659+04.03	RT	38.1	38.1		0.1	
2 (IND. ST.)	661+38.68	RT	14.7	14.7	8.0	0.1	
2 (IND. ST.)	666+05.02	RT	37.0	37.0		0.2	
2 (COM. ST.)	09+76.46	RT	72.6	72.6		0.4	
2 (SOU. ST.)	01+57.43	LT	68.1	68.1		0.5	
2 (SOU. ST.)	04+48.98	LT	41.2	41.2		0.2	
2 (SOU. ST.)	05+35.10	LT	36.8	36.8		0.2	
2 (SOU. ST.)	06+12.90	LT	47.8	47.8		0.3	
2 (SOU. ST.)	28+92.54	RT	36.7	36.7		0.2	
2 (SOU. ST.)	31+43.09	RT	43.4	43.4		0.2	
2 (SOU. ST.)	33+83.46	RT	50.2	50.2		0.2	
2 (SOU. ST.)	35+25.27	RT	52.4	52.4		0.2	
2 (SOU. ST.)	36+79.89	RT	31.4	31.4		0.1	
2 (SOU. ST.)	37+29.30	RT	56.3	56.3		0.2	
2 (SOU. ST.)	40+51.12	RT	2.8	2.8		0.0	
2 (SOU. ST.)	42+98.03	RT	29.0	29.0		0.1	
TOTAL			799.5	799.5	8.0	4.2	

EROSION CONTROL						
ROUTE	STA	LOCATION	CURB INLET CHECK	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
			EA	LF	CY	
2 (IND. ST.)	661+31.10	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	662+13.10	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	662+23.60	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	663+05.10	RT		6	2.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	664+17.10	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	664+87.40	RT		6	2.0	USE AS DIRECTED BY ENGINEER
2 (IND. ST.)	665+92.80	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	856+36.50	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	856+86.10	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	857+01.90	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	864+85.90	RT			1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	864+87.90	LT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	865+49.70	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	867+39.10	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	09+24.30	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (COM. ST.)	10+43.70	RT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	02+06.90	LT	1		1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	02+50.90	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	04+30.60	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	05+17.90	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	05+94.20	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	06+97.70	LT		6	2.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	08+26.30	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	08+64.80	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	12+88.30	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	15+30.10	LT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	15+30.80	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	16+83.70	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	27+33.50	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	29+13.80	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	30+12.60	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	31+12.80	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	31+55.30	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	33+58.60	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	35+03.60	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	36+99.50	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	37+48.90	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	40+82.20	RT		3	1.0	USE AS DIRECTED BY ENGINEER
2 (SOU. ST.)	43+12.80	RT		3	1.0	USE AS DIRECTED BY ENGINEER
TOTAL			9.0	99.0	42.0	
PER EPG 806.6: QUANTITIES FOR SEDIMENT REMOVAL ARE ESTIMATED USING 1 CY PER DITCH CHECK, 1 CY PER 100 LINEAR FEET, OR SILT FENCE AND 10 CY PER SEDIMENT BASIN						

HARRISONVILLE – ROUTE 2
SUMMARY OF QUANTITIES
SHEET 10 OF 19



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
KC 3

COUNTY
CASS

JOB NO.
J4P3268D

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)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

SEEDING AND MULCH (TABLE 1 OF 2)						
ROUTE	STA	STA	LOCATION	SEEDING SY	MULCHING SY	REMARKS
2 (IND. ST.)	649+93.10	650+18.00	LT	14.9	14.9	
2 (IND. ST.)	650+16.00	650+24.70	RT	3.6	3.6	
2 (IND. ST.)	650+21.60	650+26.50	LT	2.0	2.0	
2 (IND. ST.)	650+65.00	650+79.50	RT	7.3	7.3	
2 (IND. ST.)	650+85.10	651+22.40	RT	20.8	20.8	
2 (IND. ST.)	650+85.10	651+18.70	LT	18.6	18.6	
2 (IND. ST.)	651+05.80	651+20.30	RT	4.4	4.4	
2 (IND. ST.)	651+06.20	651+17.70	LT	5.0	5.0	
2 (IND. ST.)	651+57.80	652+17.90	RT	10.4	10.4	
2 (IND. ST.)	651+56.50	652+20.40	RT	35.6	35.6	
2 (IND. ST.)	652+32.00	653+22.80	RT	8.7	8.7	
2 (IND. ST.)	652+31.80	653+25.20	RT	51.9	51.9	
2 (IND. ST.)	653+45.00	654+22.80	RT	6.2	6.2	
2 (IND. ST.)	653+42.60	654+30.70	RT	47.8	47.8	
2 (IND. ST.)	654+66.70	655+27.80	RT	6.8	6.8	
2 (IND. ST.)	654+60.10	655+29.40	RT	38.7	38.7	
2 (IND. ST.)	655+44.00	656+85.00	RT	20.9	20.9	
2 (IND. ST.)	655+42.40	656+86.80	RT	80.2	80.2	
2 (IND. ST.)	656+98.40	657+46.50	RT	7.8	7.8	
2 (IND. ST.)	656+97.30	657+47.60	RT	27.9	27.9	
2 (IND. ST.)	657+59.40	658+95.20	RT	26.8	26.8	
2 (IND. ST.)	657+57.50	658+96.80	RT	74.9	74.9	
2 (IND. ST.)	659+09.70	659+68.00	RT	28.7	28.7	
2 (IND. ST.)	659+08.80	659+67.90	RT	18.1	18.1	
2 (IND. ST.)	661+14.80	661+32.80	RT	8.7	8.7	
2 (IND. ST.)	661+15.30	661+34.10	RT	5.8	5.8	
2 (IND. ST.)	661+45.50	662+25.80	RT	39.9	39.9	
2 (IND. ST.)	661+46.10	662+26.20	RT	24.4	24.4	
2 (IND. ST.)	662+43.40	663+85.60	RT	44.7	44.7	
2 (IND. ST.)	662+42.80	663+90.80	RT	76.4	76.4	
2 (IND. ST.)	664+19.90	665+92.40	RT	56.4	56.4	
2 (IND. ST.)	664+23.50	665+95.60	RT	95.2	95.2	
2 (IND. ST.)	666+13.80	666+54.70	RT	22.3	22.3	
2 (IND. ST.)	666+17.90	666+54.90	RT	11.0	11.0	
2 (COM. ST.)	856+34.10	857+06.20	LT	76.9	76.9	
2 (COM. ST.)	856+34.60	856+47.10	LT	5.3	5.3	
2 (COM. ST.)	856+42.70	856+54.60	RT	10.6	10.6	
2 (COM. ST.)	856+51.90	857+05.30	LT	63.9	63.9	
2 (COM. ST.)	858+22.10	858+61.60	RT	20.6	20.6	
2 (COM. ST.)	858+22.50	858+61.30	RT	12.4	12.4	
2 (COM. ST.)	860+07.90	861+02.90	RT	31.7	31.7	
2 (COM. ST.)	860+07.90	861+02.90	RT	52.8	52.8	
2 (COM. ST.)	863+37.30	863+47.70	RT	3.3	3.3	
2 (COM. ST.)	863+38.20	863+48.40	RT	5.5	5.5	
2 (COM. ST.)	864+01.00	864+07.00	RT	2.9	2.9	
2 (COM. ST.)	864+49.30	865+10.00	RT	38.2	38.2	
2 (COM. ST.)	865+55.80	865+70.60	RT	6.9	6.9	
2 (COM. ST.)	865+54.60	865+76.80	RT	16.9	16.9	
2 (COM. ST.)	865+47.20	866+71.60	LT	43.6	43.6	
2 (COM. ST.)	865+55.20	866+73.60	LT	68.2	68.2	
2 (COM. ST.)	867+25.00	867+35.10	RT	3.4	3.4	
2 (COM. ST.)	867+43.20	867+53.80	RT	3.6	3.6	
2 (COM. ST.)	867+25.00	867+53.80	RT	16.2	16.2	
2 (COM. ST.)	07+81.10	8+26.80	RT	24.8	24.8	
2 (COM. ST.)	07+83.30	8+28.40	RT	14.9	14.9	
2 (COM. ST.)	09+30.70	9+49.50	RT	5.4	5.4	
2 (COM. ST.)	09+30.80	9+54.70	RT	12.3	12.3	
2 (COM. ST.)	09+98.80	10+11.20	RT	6.6	6.6	
2 (COM. ST.)	10+03.20	10+30.30	RT	9.0	9.0	
2 (COM. ST.)	10+08.20	10+32.90	RT	16.9	16.9	
2 (COM. ST.)	10+58.10	12+92.80	RT	126.6	126.6	
2 (COM. ST.)	10+58.10	13+03.90	RT	79.0	79.0	
2 (COM. ST.)	13+33.20	16+73.50	RT	110.1	110.1	
2 (COM. ST.)	13+42.60	16+90.20	RT	187.1	187.1	
2 (COM. ST.)	17+61.40	17+87.40	RT	14.4	14.4	
2 (SOU. ST.)	00+32.90	2+25.90	LT	89.6	89.6	
2 (SOU. ST.)	00+32.90	1+31.50	LT	32.6	32.6	
2 (SOU. ST.)	01+83.20	2+22.40	LT	12.7	12.7	
2 (SOU. ST.)	02+45.20	2+53.70	LT	4.4	4.4	
2 (SOU. ST.)	02+48.40	4+39.10	LT	63.3	63.3	
2 (SOU. ST.)	02+57.90	4+39.10	LT	100.4	100.4	
2 (SOU. ST.)	04+58.90	5+26.30	LT	37.2	37.2	
2 (SOU. ST.)	04+58.90	5+26.30	LT	22.5	22.5	
2 (SOU. ST.)	05+43.90	6+04.80	LT	33.8	33.8	
2 (SOU. ST.)	05+43.90	6+04.80	LT	20.3	20.3	
2 (SOU. ST.)	06+21.00	8+20.10	LT	110.4	110.4	

SEEDING AND MULCH (TABLE 2 OF 2)						
ROUTE	STA	STA	LOCATION	SEEDING SY	MULCHING SY	REMARKS
2 (SOU. ST.)	06+21.00	8+29.30	LT	69.7	69.7	
2 (SOU. ST.)	08+24.10	8+31.30	LT	3.9	3.9	
2 (SOU. ST.)	08+56.20	13+02.10	LT	248.2	248.2	
2 (SOU. ST.)	08+55.70	13+05.60	LT	149.6	149.6	
2 (SOU. ST.)	13+06.10	13+11.40	LT	2.5	2.5	
2 (SOU. ST.)	13+38.00	13+75.30	LT	27.4	27.4	
2 (SOU. ST.)	13+41.70	13+77.20	LT	16.2	16.2	
2 (SOU. ST.)	15+07.30	15+19.70	LT	11.8	11.8	
2 (SOU. ST.)	15+08.00	15+29.70	LT	21.8	21.8	
2 (SOU. ST.)	15+14.80	16+51.00	RT	85.1	85.1	
2 (SOU. ST.)	15+24.80	16+49.80	RT	46.5	46.5	
2 (SOU. ST.)	26+19.70	26+70.30	RT	16.4	16.4	
2 (SOU. ST.)	26+20.30	26+75.30	RT	35.2	35.2	
2 (SOU. ST.)	27+11.20	28+83.50	RT	94.3	94.3	
2 (SOU. ST.)	27+16.40	28+83.60	RT	55.3	55.3	
2 (SOU. ST.)	29+01.60	29+78.20	RT	42.4	42.4	
2 (SOU. ST.)	29+01.80	29+76.20	RT	24.6	24.6	
2 (SOU. ST.)	30+02.70	30+07.20	RT	5.8	5.8	
2 (SOU. ST.)	30+03.70	30+88.30	RT	28.0	28.0	
2 (SOU. ST.)	30+11.50	30+88.30	RT	48.0	48.0	
2 (SOU. ST.)	31+12.30	31+32.20	RT	11.0	11.0	
2 (SOU. ST.)	31+12.30	31+32.20	RT	6.6	6.6	
2 (SOU. ST.)	31+54.00	32+38.50	RT	46.8	46.8	
2 (SOU. ST.)	31+54.10	32+38.40	RT	28.2	28.2	
2 (SOU. ST.)	32+58.70	33+72.20	RT	37.5	37.5	
2 (SOU. ST.)	32+58.80	33+74.40	RT	64.2	64.2	
2 (SOU. ST.)	33+92.60	35+13.80	RT	67.3	67.3	
2 (SOU. ST.)	33+93.00	35+13.60	RT	40.0	40.0	
2 (SOU. ST.)	35+36.70	36+74.00	RT	74.4	74.4	
2 (SOU. ST.)	35+36.80	36+77.30	RT	46.7	46.7	
2 (SOU. ST.)	36+83.10	37+17.50	RT	18.3	18.3	
2 (SOU. ST.)	36+88.20	37+17.50	RT	9.5	9.5	
2 (SOU. ST.)	37+41.10	37+59.40	RT	6.1	6.1	
2 (SOU. ST.)	37+41.20	37+59.70	RT	10.2	10.2	
2 (SOU. ST.)	40+26.10	40+47.50	RT	7.0	7.0	
2 (SOU. ST.)	40+26.70	40+42.60	RT	13.1	13.1	
2 (SOU. ST.)	40+46.70	40+49.70	RT	3.7	3.7	
2 (SOU. ST.)	40+74.80	42+92.40	RT	67.6	67.6	
2 (SOU. ST.)	40+76.30	42+67.80	RT	120.6	120.6	
2 (SOU. ST.)	42+62.90	42+85.30	LT	19.1	19.1	
2 (SOU. ST.)	42+72.80	42+92.40	RT	10.3	10.3	
2 (SOU. ST.)	42+89.40	42+90.60	LT	0.9	0.9	
2 (SOU. ST.)	42+62.90	42+85.30	LT	19.1	19.1	
2 (SOU. ST.)	42+89.40	42+90.60	LT	0.9	0.9	
2 (SOU. ST.)	43+03.30	43+18.70	RT	8.4	8.4	
2 (SOU. ST.)	43+03.70	43+19.30	RT	5.1	5.1	
TOTAL				4345.3	4345.3	
NOTE: ASSUMES 2 FT. WIDE BETWEEN BACK OF CURB TO EDGE OF IMPROVEMENTS WITH 1 FT. WIDE OUTSIDE OF IMPROVEMENTS. (3 FT. TOTAL)						

MODIFIED TYPE A MOUNTABLE CURB AND GUTTER						
ROUTE	STA	STA	LOCATION	MODIFIED TYPE A MOUNTABLE CURB AND GUTTER	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
2 (SOU. ST.)	13+03.10	13+11.90	LT	14.1	2.9	1'-10" WIDTH
2 (SOU. ST.)	13+38.50	13+46.80	LT	14.8	3.0	1'-10" WIDTH
2 (SOU. ST.)	26+70.30	26+82.80	RT	24.0	4.9	1'-10" WIDTH
2 (SOU. ST.)	27+09.30	27+18.00	RT	11.9	2.4	1'-10" WIDTH
2 (SOU. ST.)	40+46.90	40+50.10	RT	10.7	2.2	1'-10" WIDTH
2 (SOU. ST.)	40+73.80	40+82.60	RT	10.9	2.2	1'-10" WIDTH
2 (SOU. ST.)	42+67.30	42+92.70	LT	38.0	7.7	1'-10" WIDTH
TOTAL				124.4	25.3	

HARRISONVILLE – ROUTE 2
SUMMARY OF QUANTITIES
SHEET 11 OF 19



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
3/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
3

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

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DATE



Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

PAVEMENT MARKING (PERMANENT)										
ROUTE	STA	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 4 IN. YELLOW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 4 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	PAVEMENT MARKING SYMBOL REMOVAL	PAVEMENT MARKING REMOVAL	REMARKS
			EA	LF	LF	LF	EA	EA	LF	
2 (IND. ST.)	650+10.50	RT/LT	6							
2 (IND. ST.)	650+44.90	RT	9							
2 (IND. ST.)	650+51.60	RT				25		9		
2 (IND. ST.)	650+52.60	LT	11						18	
2 (IND. ST.)	651+03.60	RT/LT	6							
2 (IND. ST.)	651+11.70	RT/LT				15				
2 (IND. ST.)	654+45.70	RT	5							
2 (IND. ST.)	664+03.10	RT	5							
2 (COM. ST.)	855+87.80	RT/LT		91	52				143	
2 (COM. ST.)	856+22.00	RT/LT					1	1		
2 (COM. ST.)	856+49.30	RT/LT	7							
2 (COM. ST.)	856+98.60	RT	10							
2 (COM. ST.)	857+12.10	RT				14			14	
2 (COM. ST.)	17+23.30	RT	16							
2 (SOU. ST.)	02+35.60	LT	5							
2 (SOU. ST.)	08+43.30	LT	5							
2 (SOU. ST.)	13+25.20	LT	5							
2 (SOU. ST.)	15+22.20	RT/LT	4						43	
2 (SOU. ST.)	26+94.50	RT	6							
2 (SOU. ST.)	29+90.40	RT	5							
2 (SOU. ST.)	40+61.90	RT	4							
2 (SOU. ST.)	42+70.50	RT/LT	4							
TOTAL			113	91	52	54	1	10	218	

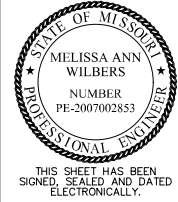
DRAINAGE PIPES AND STRUCTURES										
ROUTE	STA	STA	LOCATION	GROUP C PIPE 24 IN.	GROUP C PIPE 18 IN.	GROUP C PIPE 15 IN.	GROUP C PIPE 12 IN.	FLARED END SECTION GROUP C 18 IN.	CLASS 3 EXC.	REMARKS
				LF	LF	LF	LF	EA	CY	
2 (COM. ST.)	857+01.40	857+02.00	RT		18			2	1.7	
2 (SOU. ST.)	2+50.90	2+56.20	LT				17		3.3	
2 (SOU. ST.)	4+30.60	4+71.40	LT			41			6.6	
2 (SOU. ST.)	5+17.90	5+52.00	LT			34			5.2	
2 (SOU. ST.)	5+94.20	6+29.40	LT		35				4.6	
2 (SOU. ST.)	8+63.90	8+64.80	LT			12			1.2	
2 (SOU. ST.)	15+14.60	15+30.80	RT	16					3.9	
2 (SOU. ST.)	15+14.80	15+30.10	LT			15			1.6	
2 (SOU. ST.)	28+76.90	29+13.80	RT			37			7.7	
2 (SOU. ST.)	31+31.00	31+55.30	RT				24		1.1	
2 (SOU. ST.)	33+58.60	34+08.50	RT			50			14.9	
2 (SOU. ST.)	35+03.60	35+48.90	RT			45			9.7	
2 (SOU. ST.)	36+70.30	36+99.50	RT			29			4.5	
2 (SOU. ST.)	37+10.20	37+48.90	RT			39			6.9	
2 (SOU. ST.)	42+60.80	43+12.80	RT			52			8.4	
TOTAL				16.0	53.0	354.0	41.0	2.0	81.3	

CONCRETE MEDIAN STRIP							
ROUTE	STA	STA	LOCATION	6 IN. CONCRETE MEDIAN STRIP	3 IN. CONCRETE MEDIAN STRIP	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				SY	SY	SY	
2 (IND. ST.)	650+09.50	650+15.80	RT	8.8		8.8	
2 (IND. ST.)	650+93.60	651+01.20	LT	1.2		1.2	
2 (SOU. ST.)	06+98.00	08+19.20	LT		20.2	20.2	
TOTAL				10.0	20.2	30.2	
MEDIAN CURB INCLUDED IN CONCRETE MEDIAN COST.							

RELOCATE – RRFB				
ROUTE	STA	LOCATION	EA	REMARKS
2 (SOU. ST.)	42+65.70	RT	1	
2 (SOU. ST.)	42+66.00	LT	1	
TOTAL			2	

MODIFIED TYPE S CURB (8 IN. HEIGHT AND OVER)					
ROUTE	STA.	STA.	LOCATION	LF	REMARKS
2 (SOU. ST.)	08+19.20	08+29.20	LT	10	
TOTAL				10	

HARRISONVILLE – ROUTE 2
SUMMARY OF QUANTITIES
SHEET 12 OF 19



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CASS	
JOB NO. J4P3268D	
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)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-664-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

CONCRETE MEDIAN STRIP						
RTE	STA	STA	LOCATION	6 IN. CONCRETE MEDIAN STRIP	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				SY	SY	
7	565+33.50	565+74.50	LT	19.1	19.1	
7	565+93.30	566+08.60	LT	3.1	3.1	
TOTAL				22.2	22.2	
MEDIAN CURB INCLUDED IN CONCRETE MEDIAN COST						

PCC PAVED APPROACH						
ROUTE	STA	LOCATION	PAVED APPROACH, (8 IN. THICK)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 1	REMARKS
			SY	SY	STA.	
7	561+61.84	RT	46.0	46.0	0.3	
7	567+90.04	RT	42.2	41.5	0.4	
7	574+95.48	RT	80.8	80.8	0.2	
7	575+66.30	RT	87.9	87.9	0.2	
TOTAL			256.9	256.9	1.1	

MODIFIED TYPE A MOUNTABLE CURB AND GUTTER						
ROUTE	STA	STA	LOCATION	MODIFIED TYPE A MOUNTABLE CURB AND GUTTER	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
7	559+30.80	559+33.00	RT	11.5	2.3	1'-10" WIDTH
7	559+58.90	559+61.10	RT	11.9	2.4	1'-10" WIDTH
TOTAL				23.4	4.7	

SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
7	558+06.90	559+26.50	RT	66.2	
7	559+65.20	561+39.60	RT	96.9	
7	561+84.20	564+46.50	RT	147.5	
7	564+44.50	564+80.30	RT	23.7	6' SIDEWALK
7	565+83.90	565+93.00	RT	6.7	6' SIDEWALK
7	566+21.60	567+58.50	RT	76.2	
7	568+21.90	568+73.30	RT	28.6	
7	569+44.00	570+15.00	RT	39.5	
7	570+85.90	572+91.60	RT	114.3	
7	573+56.80	574+62.80	RT	58.9	
7	575+16.50	575+37.80	RT	11.7	
7	576+02.90	576+51.90	RT	26.7	
TOTAL				696.9	

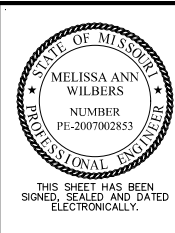
DRAINAGE PIPES AND STRUCTURES							
ROUTE	STA	STA	LOCATION	GROUP A PIPE 18 IN.	GROUP A PIPE 18 IN.	FLARED END SECTION GROUP A 18 IN.	REMARKS
				(LF)	(LF)	(EA)	
7	571+06.70	571+20.00	RT	12		1	
7	571+24.60	571+38.50	RT	14		1	
7	571+24.60	571+38.50	RT		57		
7	571+24.60	571+38.50	RT		43		
TOTAL				26	100	2	

CURB AND GUTTER TYPE B						
ROUTE	STA	STA	LOCATION	CURB AND GUTTER TYPE B	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				LF	SY	
7	561+43.30	561+46.10	RT	13.1	3.6	2.5' WIDTH
7	561+77.60	561+80.30	RT	13.0	3.6	2.5' WIDTH
7	564+49.60	564+95.40	RT	56.4	15.7	2.5' WIDTH
7	565+86.10	566+20.00	RT	43.1	12.0	2.5' WIDTH
7	573+37.90	573+43.80	RT	6.9	2.3	3' WIDTH
TOTAL				132.5	37.2	

EROSION CONTROL						
ROUTE	STA	LOCATION	CURB INLET CHECK	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
			EA	LF	CY	
7	559+25.00	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	561+32.10	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	564+17.00	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	567+48.40	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	568+64.30	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	569+23.20	RT	1		1.0	USE AS DIRECTED BY ENGINEER
7	570+30.60	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	571+06.70	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	571+41.10	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	572+69.90	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	573+10.30	RT	1		1.0	USE AS DIRECTED BY ENGINEER
7	574+69.20	RT		3	1.0	USE AS DIRECTED BY ENGINEER
7	575+48.10	RT		3	1.0	USE AS DIRECTED BY ENGINEER
TOTAL			2.0	33.0	13.0	
PER EPG 806.6: QUANTITIES FOR SEDIMENT REMOVAL ARE ESTIMATED USING 1 CY PER DITCH CHECK, 1 CY PER 100 LINEAR FEET, OR SILT FENCE AND 10 CY PER SEDIMENT BASIN						

REINFORCED CONCRETE BOX											
ROUTE	STA	STA	LOCATION	CLASS B-1 CONCRETE (CULVERTS)	REINFORCING STEEL (CULVERTS)	CLASS 4 EXC.	EMBANKMENT IN PLACE	FURNISHING TYPE 2 ROCK DITCH LINER	PLACING TYPE 2 ROCK DITCH LINER	PARTIAL REMOVAL OF CULVERT	REMARKS
				CY	LB	CY	CY	CY	CY	LS	
7	571+18.92	571+24.46	RT	17.1	2860	25	70	10	10	1	
TOTAL				17.1	2860	25	70	10	10	1	SEE SHEET 128

HARRISONVILLE – ROUTE 7
SUMMARY OF QUANTITIES
SHEET 14 OF 19



DATE PREPARED
3/20/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
3
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

REMOVAL OF IMPROVEMENTS			
ROUTE	LOCATION	REMOVAL OF IMPROVEMENTS	REMARKS
		LS	
A	ARCHIE	1	
58	BELTON	1	
0	FREEMAN	1	
2	HARRISONVILLE	1	
7	HARRISONVILLE	1	
OLD OR 71	PECULIAR	1	
TOTAL		1 LUMP SUM	
USE		1 LUMP SUM	

LINEAR GRADING FOR SIDEWALKS				
ROUTE	LOCATION	LINEAR GRADING FOR SIDEWALKS	EMBANKMENT IN PLACE	REMARKS
		STA	CY	
A	ARCHIE	0.6	6.4	
58	BELTON	10.7	0.7	
0	FREEMAN	0.6		
2	HARRISONVILLE	57.5		
7	HARRISONVILLE	15.6		
OLD OR 71	PECULIAR	1.5	7.6	
TOTAL		86.5	14.7	
USE		86.5	15	

CONCRETE CURB RAMP				
ROUTE	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
		SY	SF	
A	ARCHIE	14.4	20.0	
58	BELTON	643.8	469.8	
0	FREEMAN	7.2	10.0	
2	HARRISONVILLE	645.4	409.8	
7	HARRISONVILLE	163.1	67.2	
OLD OR 71	PECULIAR	0.0	40.0	
TOTAL		1473.9	1016.8	
USE		1473.9	1017	
INTEGRAL CURB INCLUDED IN CURB RAMP COST. SEE TYPICAL SHEETS FOR PAY ITEM LIMITS.				

SIDEWALK			
ROUTE	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
		SY	
A	ARCHIE	12.6	
58	BELTON	327.3	
0	FREEMAN	19.1	
2	HARRISONVILLE	2297.1	
7	HARRISONVILLE	696.9	
OLD OR 71	PECULIAR	58.8	
TOTAL		3411.8	
USE		3411.8	

CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S			
ROUTE	LOCATION	LF	REMARKS
A	ARCHIE		
58	BELTON	53.6	
0	FREEMAN		
2	HARRISONVILLE	460.8	
7	HARRISONVILLE	25.7	
OLD OR 71	PECULIAR	59.8	
TOTAL		599.9	
USE		600	

MODIFIED TYPE S CURB (8 IN. HEIGHT AND OVER)			
ROUTE	LOCATION	SF	REMARK
A	ARCHIE		
58	BELTON		
0	FREEMAN		
2	HARRISONVILLE	10	
7	HARRISONVILLE		
OLD OR 71	PECULIAR		
TOTAL		10	
USE		10	

CURB AND GUTTER TYPE B				
ROUTE	LOCATION	CURB AND GUTTER TYPE B	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
		LF	SY	
A	ARCHIE			
58	BELTON	1026.6	300.7	
0	FREEMAN			
2	HARRISONVILLE	276.0	88.1	
7	HARRISONVILLE	132.5	37.2	
OLD OR 71	PECULIAR			
TOTAL		1435.1	426.0	
USE		1435	426	

SIDEWALK HAND-RAILING WITHOUT BALUSTERS			
RTE	LOCATION	SIDEWALK HAND RAILING WITHOUT BALUSTERS LF	REMARKS
A	ARCHIE		
58	BELTON		
0	FREEMAN		
2	HARRISONVILLE	251	
7	HARRISONVILLE		
OLD OR 71	PECULIAR		
TOTAL		251	
USE		251	

MODIFIED TYPE A GUTTER WITH STEEL PLATE				
ROUTE	LOCATION	MODIFIED TYPE A GUTTER WITH STEEL PLATE	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
		LF	SY	
A	ARCHIE			
58	BELTON	14	4.6	
0	FREEMAN			
2	HARRISONVILLE			
7	HARRISONVILLE			
OLD OR 71	PECULIAR			
TOTAL		14.0	4.6	
USE		14	5	

MODIFIED TYPE A MOUNTABLE CURB AND GUTTER				
ROUTE	LOCATION	MODIFIED TYPE A MOUNTABLE CURB AND GUTTER	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
		LF	SY	
A	ARCHIE			
58	BELTON			
0	FREEMAN			
2	HARRISONVILLE	124.4	25.3	
7	HARRISONVILLE	23.4	4.7	
OLD OR 71	PECULIAR			
TOTAL		147.8	30.0	
USE		148	30	

TOTAL QUANTITIES
SUMMARY OF QUANTITIES
SHEET 16 OF 19



DATE PREPARED
2/29/2024
ROUTE
VAR
DISTRICT
KC
STATE
MO
SHEET NO.
3
COUNTY
CASS
JOB NO.
J4P3268D
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)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

PCC PAVED APPROACH							
ROUTE	LOCATION	PAVED APPROACH, 7 IN.	PAVED APPROACH, 8 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	GRAVEL (A) OR CRUSHED STONE (B) (7 IN. THICK)	LINEAR GRADING CLASS 1 STA.	REMARKS
		SY	SY	SY	SY		
A	ARCHIE						
58	BELTON		213.0	213.0		1.3	
0	FREEMAN						
2	HARRISONVILLE	799.5		799.5	8.0	4.4	
7	HARRISONVILLE		88.2	88.2		0.7	
OLD OR 71	PECULIAR						
	TOTAL	799.5	301.2	1100.7	8.0	6.4	
	USE	799.5	301.2	1101	8	6.4	

CONCRETE MEDIAN STRIP					
ROUTE	LOCATION	6 IN. CONCRETE MEDIAN STRIP	3 IN. CONCRETE MEDIAN STRIP	TYPE 5 AGGREGATE (4 IN. THICK)	REMARKS
		SY	SY	SY	
A	ARCHIE				
58	BELTON	180.2		180.2	
0	FREEMAN				
2	HARRISONVILLE	10.0	20.2	30.2	
7	HARRISONVILLE	22.2		22.2	
OLD OR 71	PECULIAR				
	TOTAL	212.4	20.2	232.6	
	USE	212.4	20.2	233	
MEDIAN CURB INCLUDED IN CONCRETE MEDIAN COST					

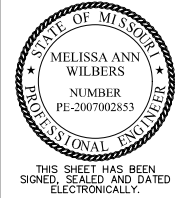
SEEDING AND MULCH				
ROUTE	LOCATION	SEEDING	MULCHING	REMARKS
		SY	SY	
A	ARCHIE	51.1	51.1	
58	BELTON	706.1	706.1	
0	FREEMAN	50.1	50.1	
2	HARRISONVILLE	4345.3	4345.3	
7	HARRISONVILLE	932.4	932.4	
OLD OR 71	PECULIAR	116.3	116.3	
TOTAL (FOR INFORMATION ONLY)		6201.3	6201.3	
USE (ACRES)		1.3	1.3	
NOTE: ASSUMES 2 FT. WIDE BETWEEN BACK OF CURB TO EDGE OF IMPROVEMENTS WITH 1 FT. WIDE OUTSIDE OF IMPROVEMENTS. (3 FT. TOTAL)				

PAVEMENT MARKING (PERMANENT)											
ROUTE	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 4 IN. YELLOW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 4 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (STOP)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 12 IN WHITE YIELD LINE TRIANGLES	PAVEMENT MARKING SYMBOL REMOVAL	PAVEMENT MARKING REMOVAL	REMARKS
		(EA)	LF	LF	(LF)	(EA)	(EA)	(EA)	(EA)	(LF)	
A	ARCHIE	5								47	
58	BELTON	123			173		1		69	319	
0	FREEMAN										
2	HARRISONVILLE	113	91	52	54	1			10	218	
7	HARRISONVILLE	18						9	26		
OLD OR 71	PECULIAR	10									
	TOTAL	269	91	52	227	1	1	9	105	584	
	USE	269	91	52	227	1	1	9	105	584	

DRAINAGE PIPES & STRUCTURES												
ROUTE	LOCATION	PIPE COLLAR TYPE A	GROUP A PIPE 18 IN.	GROUP C PIPE 24 IN.	GROUP C PIPE 18 IN.	GROUP C PIPE 15 IN.	GROUP C PIPE 12 IN.	FLARED END SECTION GROUP A 18 IN.	FLARED END SECTION GROUP C 18 IN.	FLARED END SECTION GROUP C 24 IN.	CLASS 3 EXC.	REMARKS
		(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(EA)	(CY)	
A	ARCHIE	1		30						2	7.4	
58	BELTON											
0	FREEMAN											
2	HARRISONVILLE			16	53	354	41		2		81.3	
7	HARRISONVILLE		26			100		2			9.6	
OLD OR 71	PECULIAR	1				42					2.8	
	TOTAL	2	26	46	53	496	41	2	2	2	101.1	
	USE	2	26	46	53	496	41	2	2	2	101	

EROSION CONTROL					
ROUTE	LOCATION	CURB INLET CHECK	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
		EA	LF	CY	
A	ARCHIE		3.0	1.0	USE AS DIRECTED BY ENGINEER
58	BELTON	18.0	24.0	26.0	USE AS DIRECTED BY ENGINEER
0	FREEMAN				USE AS DIRECTED BY ENGINEER
2	HARRISONVILLE	9.0	99.0	42.0	USE AS DIRECTED BY ENGINEER
7	HARRISONVILLE	2.0	33.0	12.0	USE AS DIRECTED BY ENGINEER
OLD OR 71	PECULIAR		6.0	2.0	USE AS DIRECTED BY ENGINEER
	TOTAL	29.0	165.0	83.0	
	USE	29	165	83	

TOTAL QUANTITIES
SUMMARY OF QUANTITIES
SHEET 17 OF 19



DATE PREPARED
3/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
3
COUNTY
CASS
JOB NO.
J4P3268D
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)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
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REINFORCED CONCRETE BOX									
ROUTE	LOCATION	CLASS B-1 CONCRETE (CULVERTS)	REINFORCING STEEL (CULVERTS)	CLASS 4 EXC.	EMBANKMENT IN PLACE	FURNISHING TYPE 2 ROCK DITCH LINER	PLACING TYPE 2 ROCK DITCH LINER	PARTIAL REMOVAL OF CULVERT	REMARKS
		CY	LB	CY	CY	CY	CY	LS	
A	ARCHIE								
58	BELTON								
0	FREEMAN								
2	HARRISONVILLE								
7	HARRISONVILLE	17.1	2860	25	70	16	16	1	SEE SHEET 128
OLD OR 71	PECULIAR								
TOTAL		17.1	2860	25	70	16	16	1	
USE		17.1	2860	25	70	16	16	1	

SIDEWALK MANICURE			
ROUTE	LOCATION	SIDEWALK MANICURE	REMARKS
		LF	
A	ARCHIE		
58	BELTON		
0	FREEMAN		
2	HARRISONVILLE	211.2	
7	HARRISONVILLE		
OLD OR 71	PECULIAR		
TOTAL		211.2	
USE		211	

LIGHTING					
ROUTE	LOCATION	RELOCATED LIGHT POLE	CABLE-CONDUIT 2C #8 AWG	POLE FOUNDATION 45 FT. OR 13.5 M MOUNTING HEIGHT	REMARKS
		EA	LF	EA	
A	ARCHIE				
58	BELTON	1.0	24.0	1.0	SEE SHEET 112
0	FREEMAN				
2	HARRISONVILLE				
7	HARRISONVILLE				
OLD OR 71	PECULIAR				
TOTAL		1.0	24.0	1.0	
USE		1	20	1	

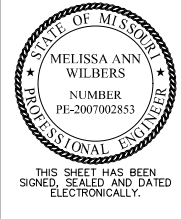
RECTANGULAR RAPID FLASHING BEACONS				
ROUTE	LOCATION	RECTANGULAR RAPID FLASHING BEACONS	BUTTON FOR RRFB	REMARKS
		EA	EA	
A	ARCHIE			
58	BELTON			
0	FREEMAN			
2	HARRISONVILLE			
7	HARRISONVILLE			
OLD OR 71	PECULIAR	4	4	
TOTAL		4	4	
USE		4	4	

CONTRACTOR FURNISHED SURVEYING AND STAKING
TOTAL = 1 LUMP SUM

MOBILIZATION
TOTAL = 1 LUMP SUM

RELOCATE – RRFB			
ROUTE	LOCATION	RELOCATE	REMARKS
A	ARCHIE		
58	BELTON		
0	FREEMAN		
2	HARRISONVILLE	2	
7	HARRISONVILLE		
OLD OR 71	PECULIAR		
TOTAL		2	
USE		2	

TOTAL QUANTITIES
SUMMARY OF QUANTITIES
SHEET 18 OF 19



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CASS	
JOB NO. J4P3268D	
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)



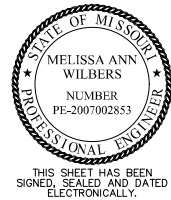
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SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY RELOC	TOTAL RELOC	SIGN NUM.	DESCRIPTION
SIGN	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.		
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	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						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)
WO12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	4	64.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	1	16.00			20	ROAD CLOSED AHEAD
WO20-4	48X48	16.00	2	32.00			7	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	2	32.00			8	FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						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)

								EFFECTIVE: 04-01-2025			
SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.		ITEM NUMBER	TOTAL QTY	DESCRIPTION
GUIDE SIGNS								DESCRIPTION			
E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
GO20-2	48X24	8.00						END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
GO20-5aP	36X24	6.00	2	12.00			54	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
MO4-8a	24X18	3.00						END DETOUR	6123001	1	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)	6161008	2	ADVANCED WARNING RAIL SYSTEM
MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)	6161025	75	CHANNELIZER (TRIM LINE)
REGULATORY SIGNS											
R1-1	48X48	13.25						STOP	6161030	6	TYPE III MOVEABLE BARRICADE
R1-2	48TRI.	6.93						YIELD	6161033		DIRECTION INDICATOR BARRICADE
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161040	1	FLASHING ARROW PANEL
R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161047		TYPE III OBJECT MARKER
R2-1	36X48	12.00	4	48.00			25	SPEED LIMIT XX	6161055		SEQUENTIAL FLASHING WARNING LIGHT
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161070		TUBULAR MARKER
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
R3-3	36X36	9.00						NO TURNS	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161098A	2	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
R4-1	36X48	12.00						DO NOT PASS	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
R4-2	36X48	12.00						PASS WITH CARE	6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
R5-1	30X30	6.25						DO NOT ENTER	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
R5-1a	36X24	6.00						WRONG WAY			TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			RELOCATING TEMPORARY TRAFFIC BARRIER
R6-2L	24X30	5.00						ONE WAY (LEFT)			TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
R6-2R	24X30	5.00						ONE WAY (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
R9-9	24X12	2.00	4	8.00			60	SIDEWALK CLOSED	6208064A		TEMPORARY RAISED PAVEMENT MARKER
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	6205303B		TEMPORARY REMOVEABLE PAVEMENT MARKING TAPE 4" YELLOW
R11-2	48X30	10.00	1	10.00			29	ROAD CLOSED	6205301B		TEMPORARY REMOVEABLE PAVEMENT MARKING TAPE 4" WHITE
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY			
R11-4	60X30	12.50	1	12.50			30	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			1A	RATE OUR WORK ZONE			
CONST-7	72X36	18.00						RATE OUR WORK ZONE			
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE			
R4-9	18X24	3.00						STAY IN LANE			
W3-5	36X36	9.00	2	18.00			3	REDUCED SPEED LIMIT AHEAD			
616-10.05 CONSTRUCTION SIGNS				TOTAL 268.5							
616-10.10 RELOCATED SIGNS				TOTAL 0							

TRAFFIC CONTROL
SUMMARY OF QUANTITIES
SHEET 19 OF 19



DATE PREPARED	
3/29/2024	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	3
COUNTY	
CASS	
JOB NO.	
J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

GENERAL NOTE

1. 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.
2. ALL UTILITIES SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL SIDEWALK AND RAMPS SHALL BE CONSTRUCTED 5 FEET WIDE UNLESS OTHERWISE NOTED IN THE PLANS.
4. ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, WEST ZONE.

CERTIFIED LAND CORNER

THE NORTHWEST CORNER OF SECTION S33 T43N R31W IS LOCATED 2020.46' N47°55'01"W OF STA. 744+00.00 CENTERLINE OF ROUTE A

NE 1/4 NW 1/4
S33 T43N R31W



S1-1



W16-9P

①

INSTALL SIGN TO
EXIST. POLE
STA. 744+50



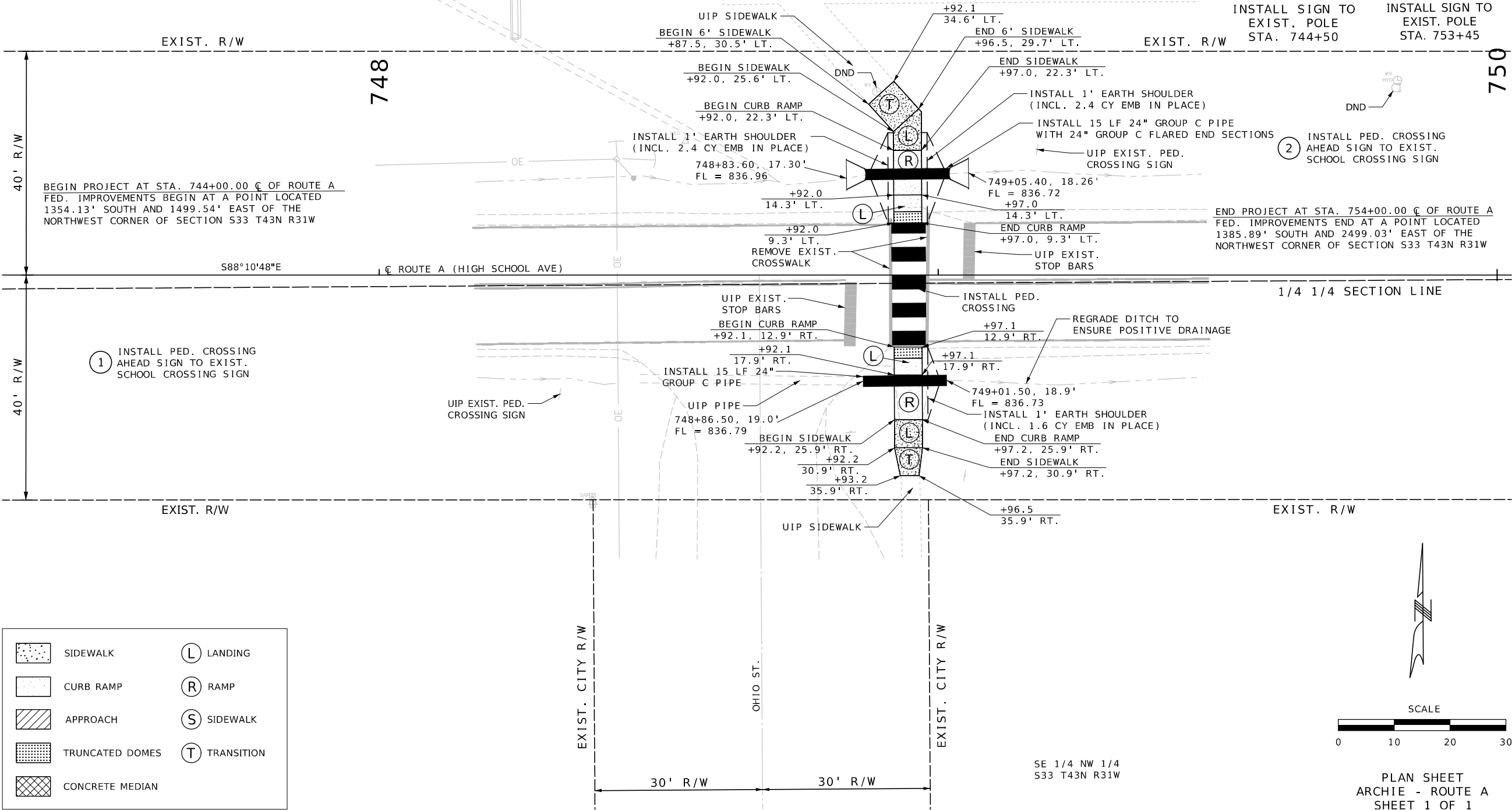
S1-1



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②

INSTALL SIGN TO
EXIST. POLE
STA. 753+45



	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
4

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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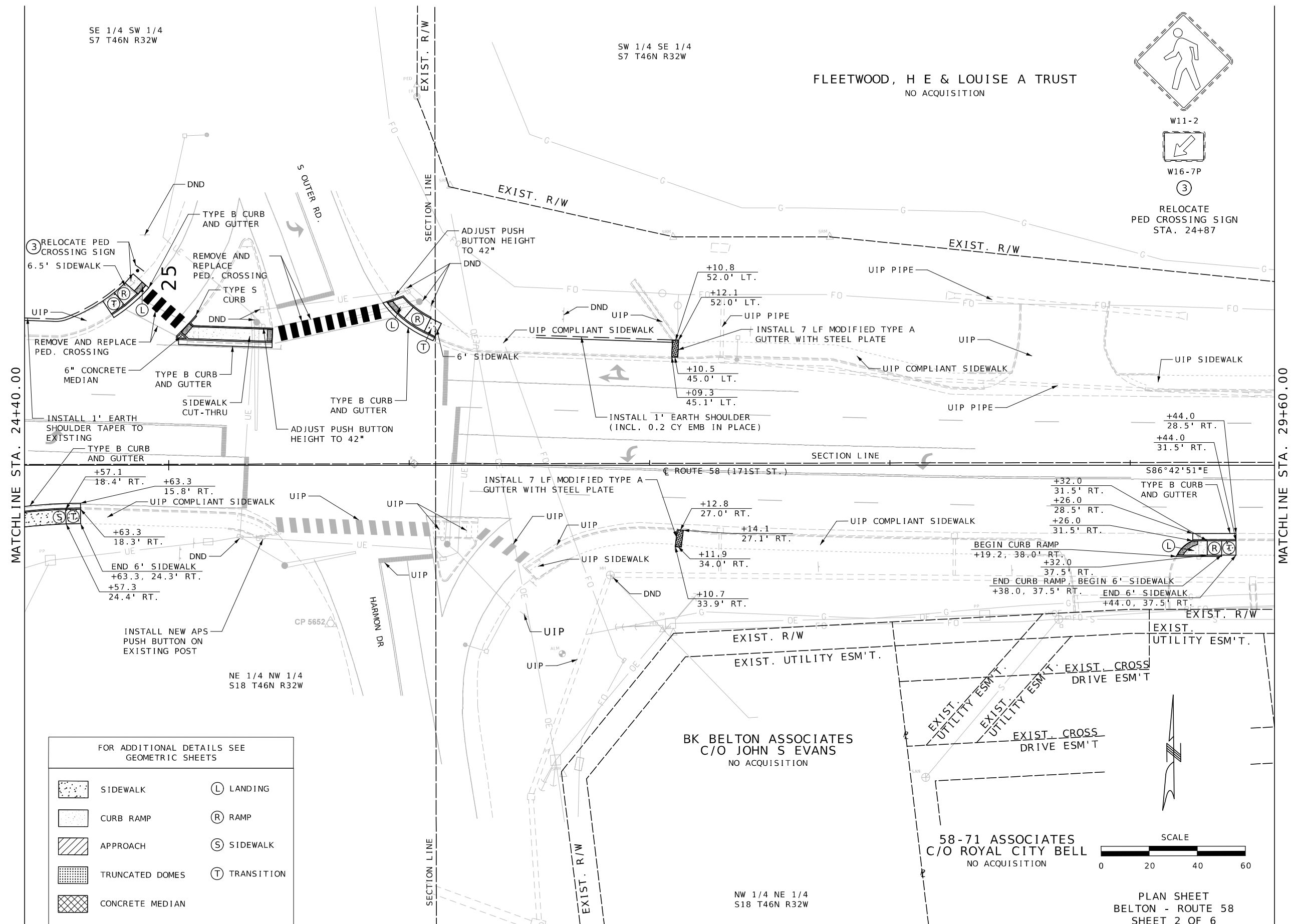
DATE

DATE

DATE

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



2/29/2024

VAR	MO
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KC	6
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CASS

J4P3268D

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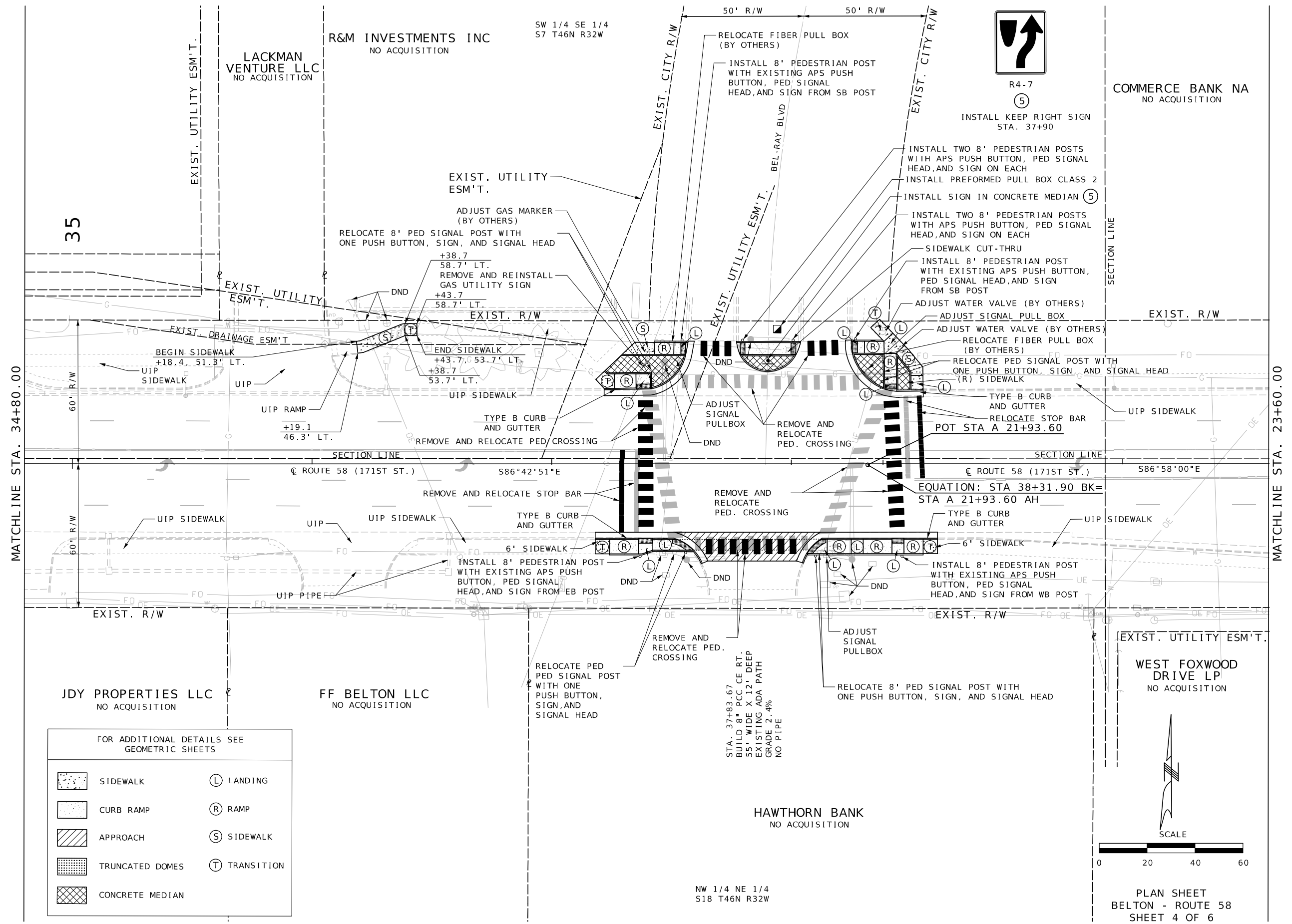
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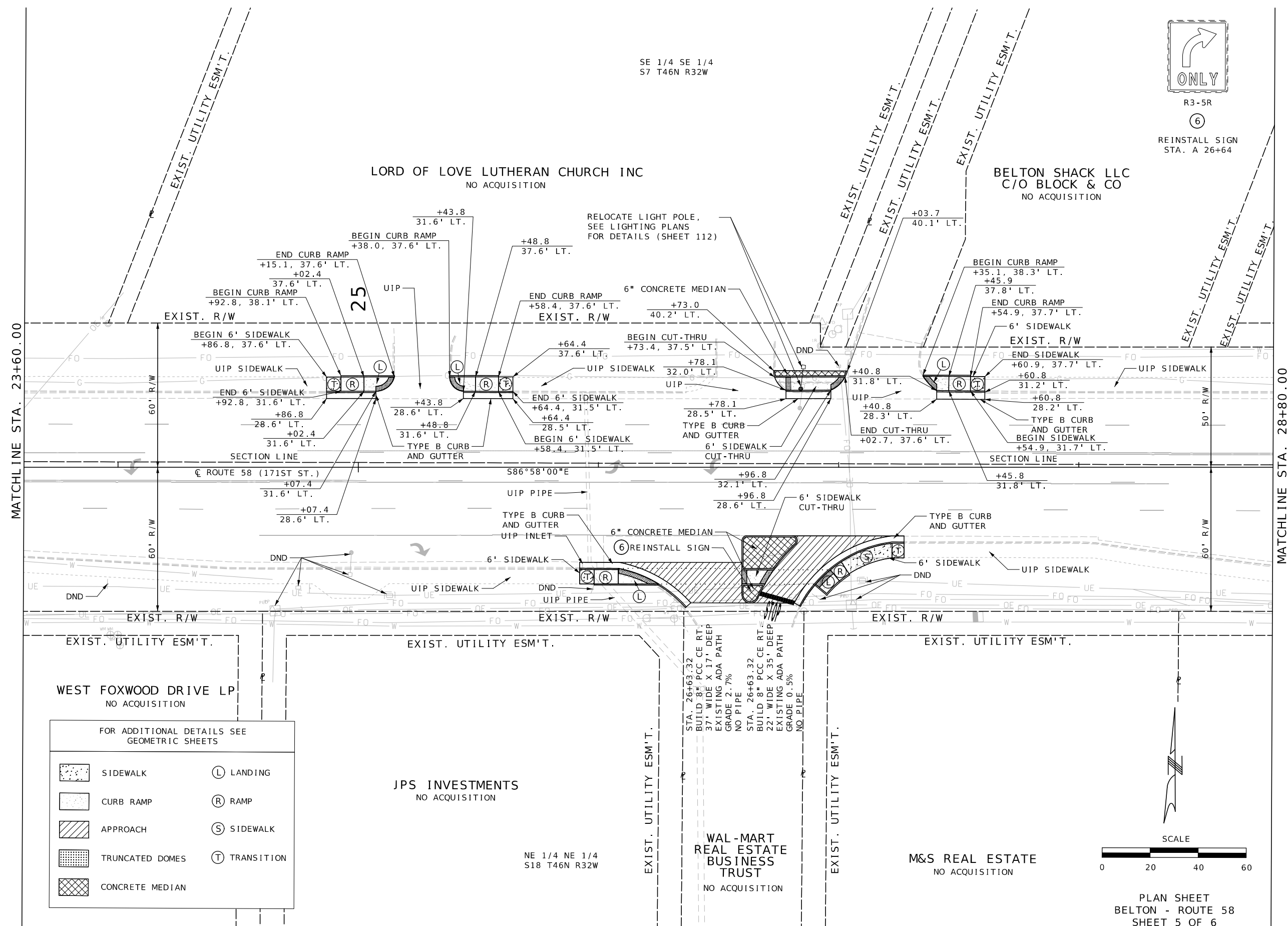
DATE PREPARED
2/29/2024

COUNTY	CASS
JOB NO.	J4P3268D
CONTRACT ID.	

BRIDGE NO.

[illegible]

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

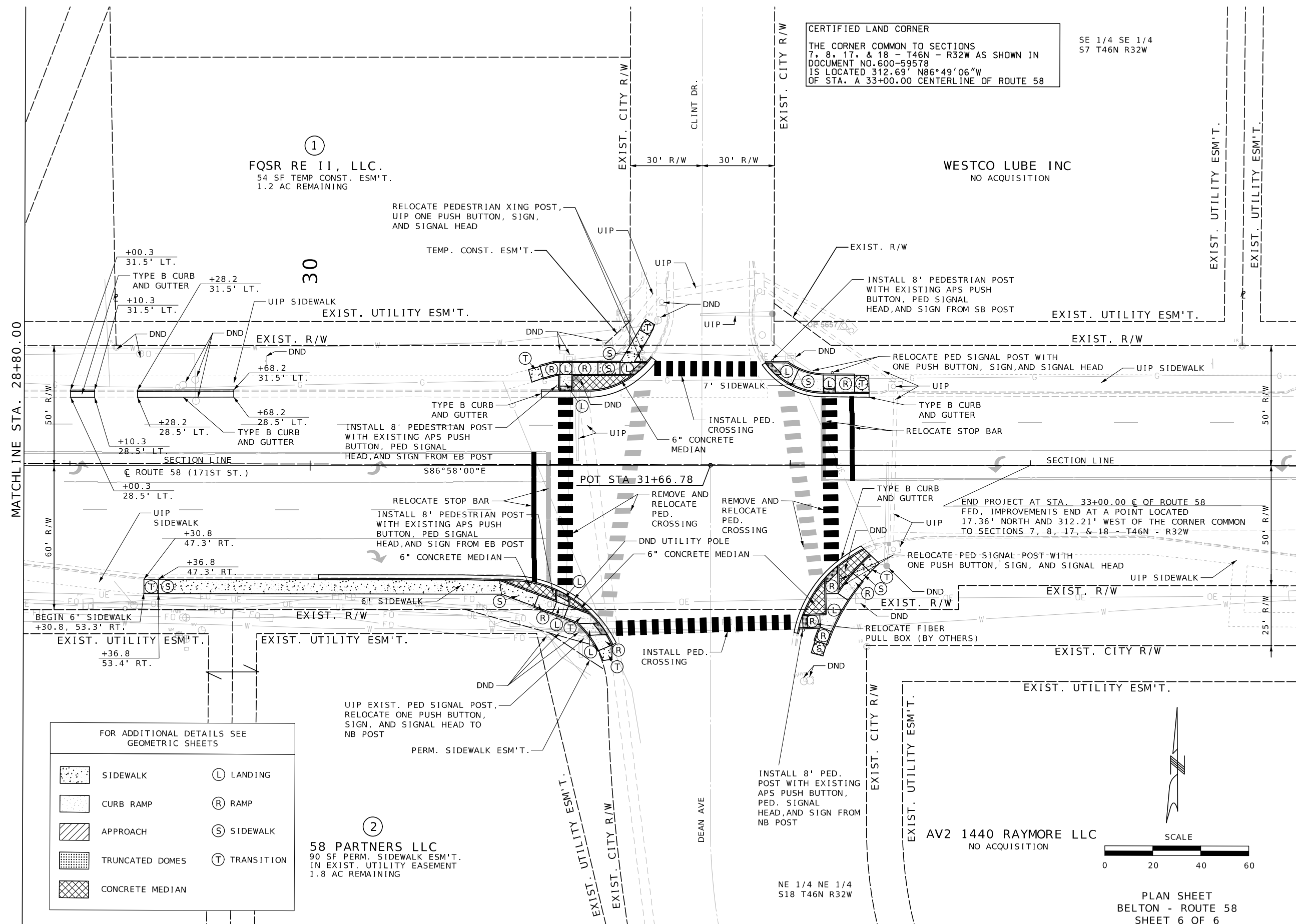


DATE PREPARED
2/29/2024

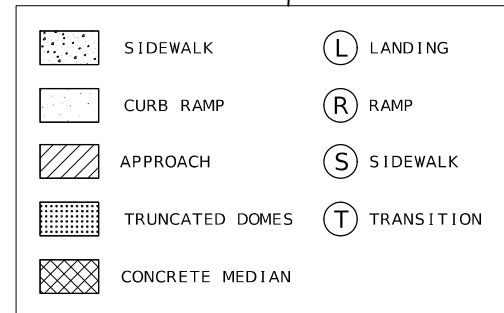
COUNTY	CASS
JOB NO.	J4P3268D
CONTRACT ID.	

[illegible]

Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



1. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 10+00.00 ROUTE O TO STA. 11+50.00 ROUTE O, A DISTANCE OF 0.028 MILES.
2. 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.
3. ALL UTILITIES SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL SIDEWALK AND RAMPS SHALL BE CONSTRUCTED 5 FEET WIDE UNLESS OTHERWISE NOTED IN THE PLANS.
5. ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, WEST ZONE.



CERTIFIED LAND CORNER

THE EAST QUARTER CORNER OF
SECTION S13 T44N R33W IS LOCATED 733.64'
N01°34'59"E OF STA. 10+00.00 CENTERLINE
OF ROUTE 0 AS PER DOCUMENT NO. 600-75031.

PI	11+36.42
PC	11+05.30
PT	11+66.76
Δ	22°7'30.0" (RT)
D	36°0'0.1"
L	61.46' (ARC)
T	31.12'
R	159.15'



STATE OF MISSOURI
★
MELISSA ANN WILBERS
★
NUMBER
PE-2007002853
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO 11

COUNTY
CASS

JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO. _____

1000

BRIDGE NO.

ENTRÉE NO. 1

[illegible]

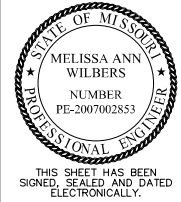
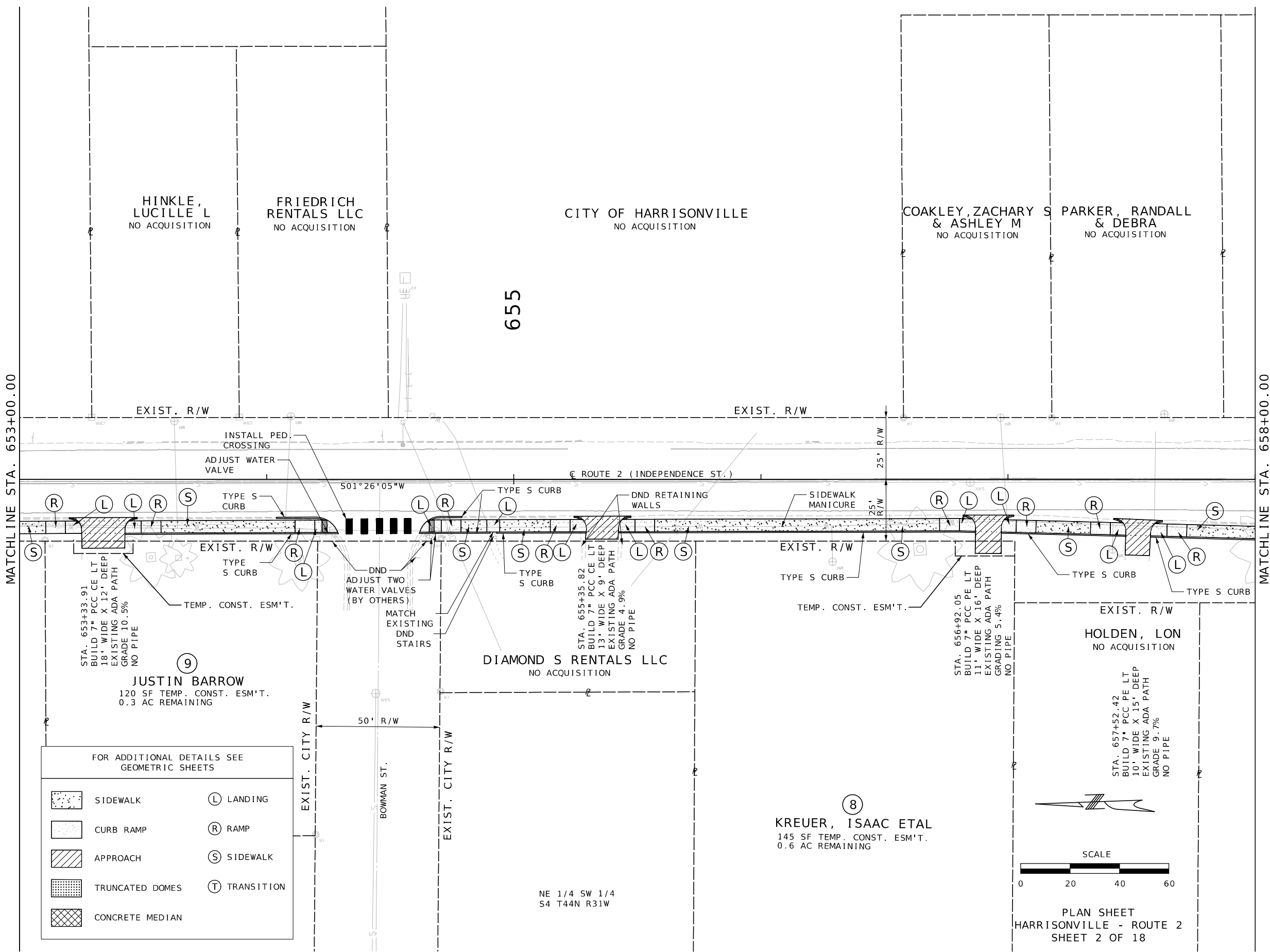
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West

501 MONROE ST, SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 13
COUNTY CASS	
JOB NO. J4P3268D	
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)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

FOR ADDITIONAL DETAILS SEE
GEOMETRIC SHEETS

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

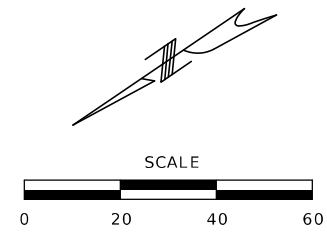
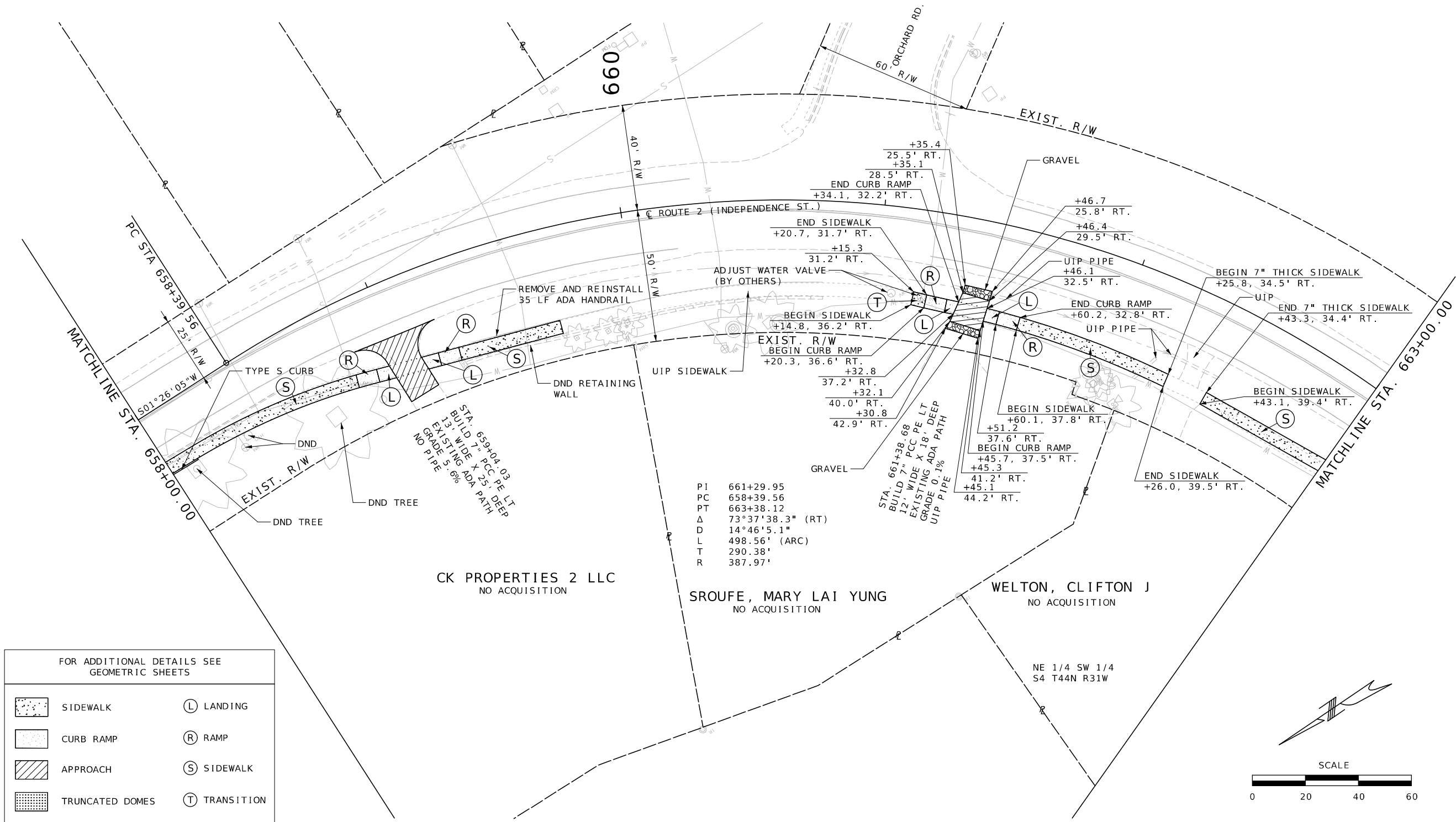
RAMP

S

SIDEWALK

T

TRANSITION



PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 3 OF 18

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 14
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

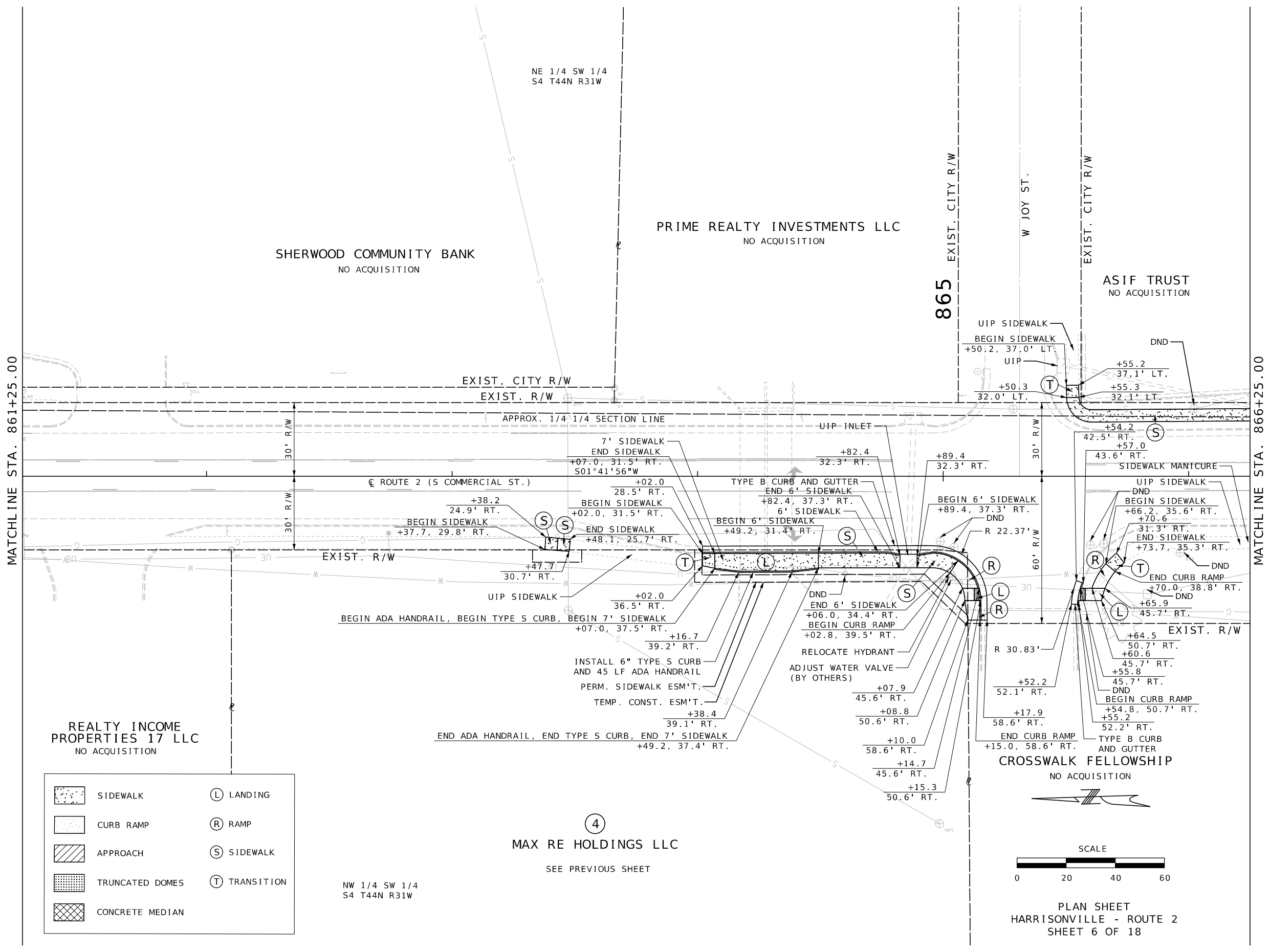
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

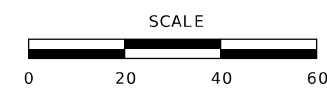


REALTY INCOME
PROPERTIES 17 LLC
NO ACQUISITION

	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

NW 1/4 SW 1/4
S4 T44N R31W

④
MAX RE HOLDINGS LLC
SEE PREVIOUS SHEET

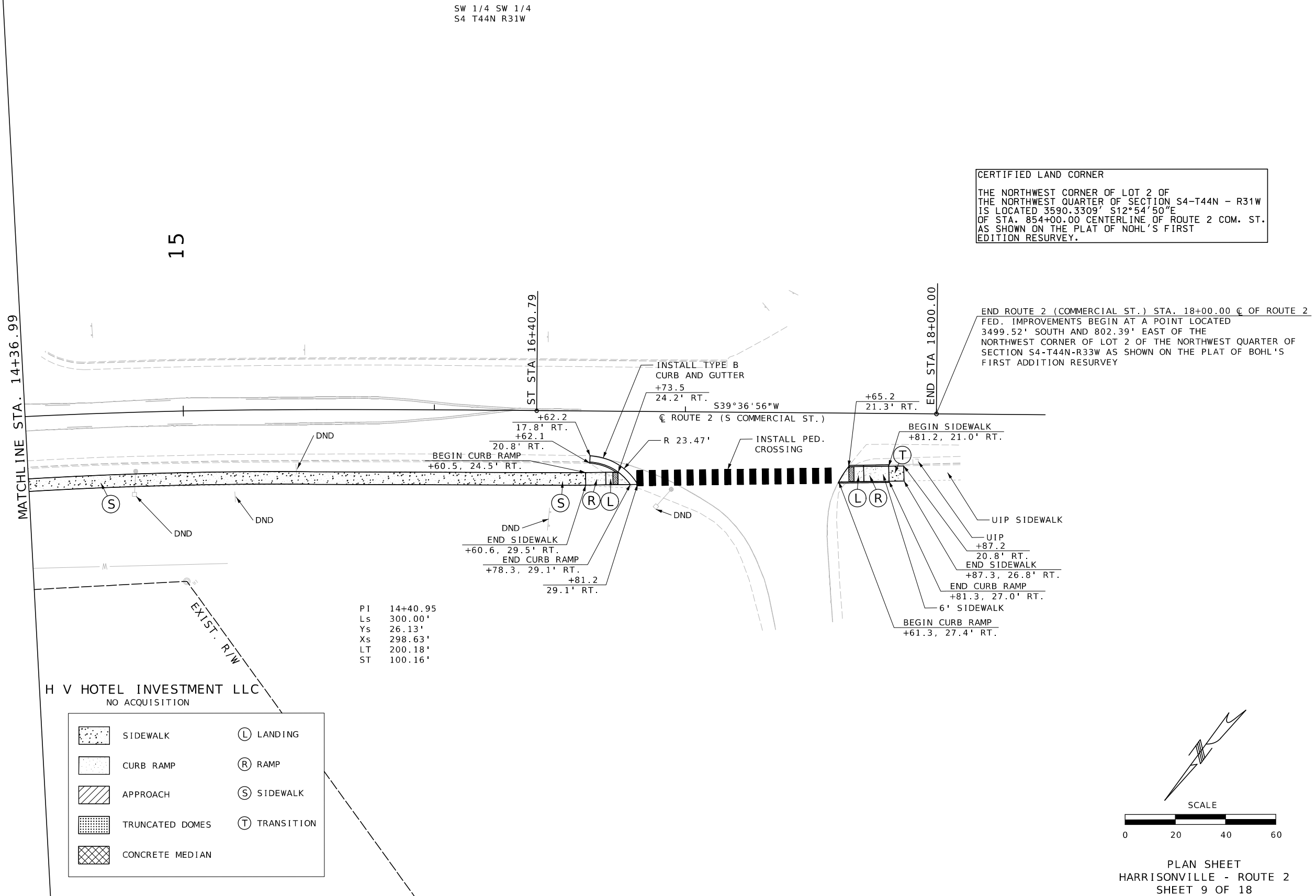


PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 6 OF 18

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 17
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



SW 1/4 SW 1/4
S4 T44N R31W

15

CERTIFIED LAND CORNER
THE NORTHWEST CORNER OF LOT 2 OF THE NORTHWEST QUARTER OF SECTION S4-T44N - R31W IS LOCATED 3590.3309' S12°54'50"E OF STA. 854+00.00 CENTERLINE OF ROUTE 2 COM. ST. AS SHOWN ON THE PLAT OF NOHL'S FIRST EDITION RESURVEY.

END ROUTE 2 (COMMERCIAL ST.) STA. 18+00.00 C OF ROUTE 2
FED. IMPROVEMENTS BEGIN AT A POINT LOCATED 3499.52' SOUTH AND 802.39' EAST OF THE NORTHWEST CORNER OF LOT 2 OF THE NORTHWEST QUARTER OF SECTION S4-T44N-R33W AS SHOWN ON THE PLAT OF BOHL'S FIRST ADDITION RESURVEY

PI 14+40.95
Ls 300.00'
Ys 26.13'
Xs 298.63'
LT 200.18'
ST 100.16'

H V HOTEL INVESTMENT LLC
NO ACQUISITION

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

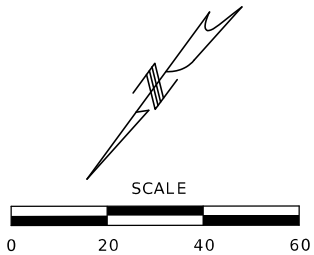
CONCRETE MEDIAN

L LANDING

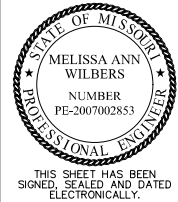
R RAMP

S SIDEWALK

T TRANSITION



PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 9 OF 18



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 20
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

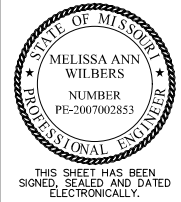
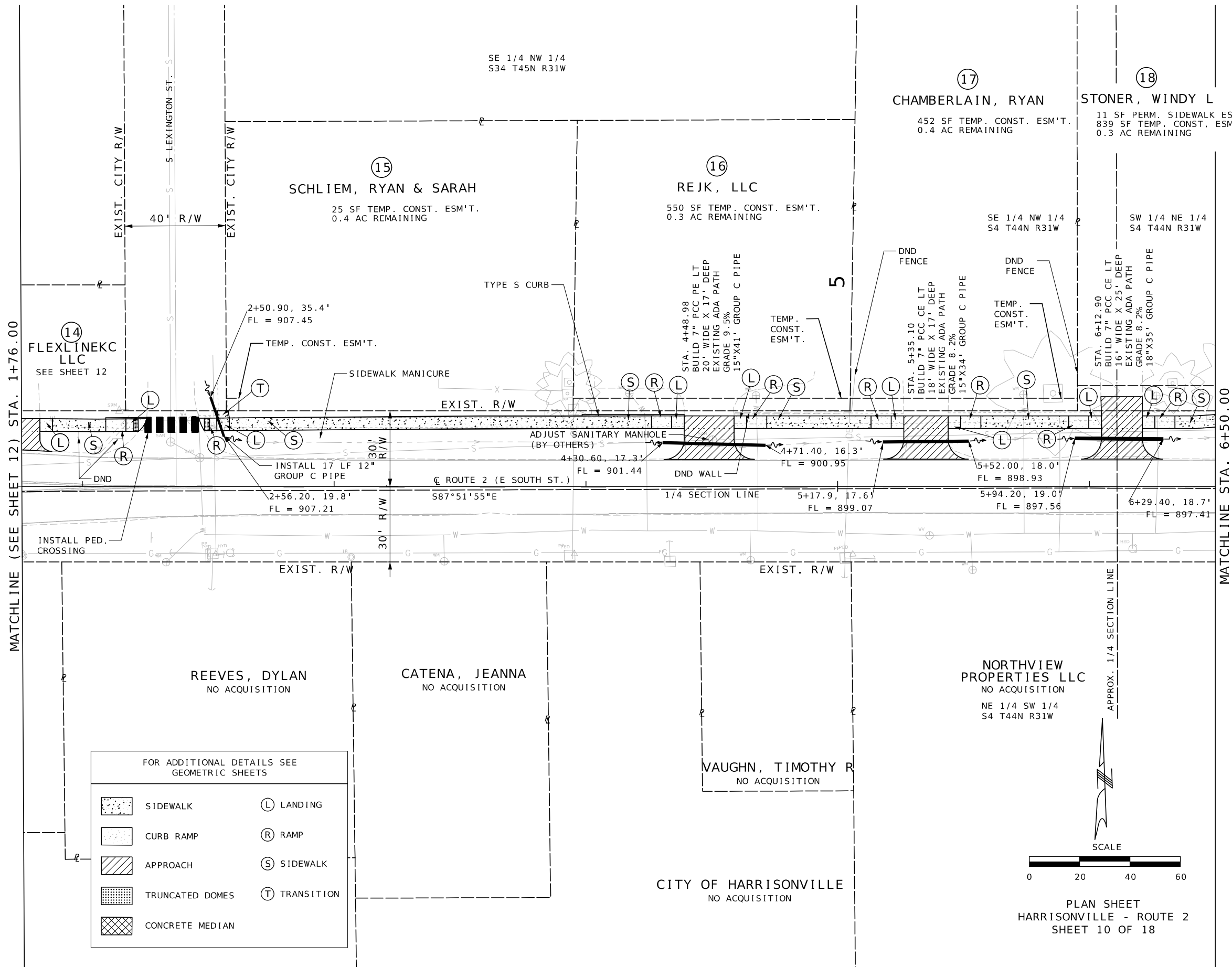
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

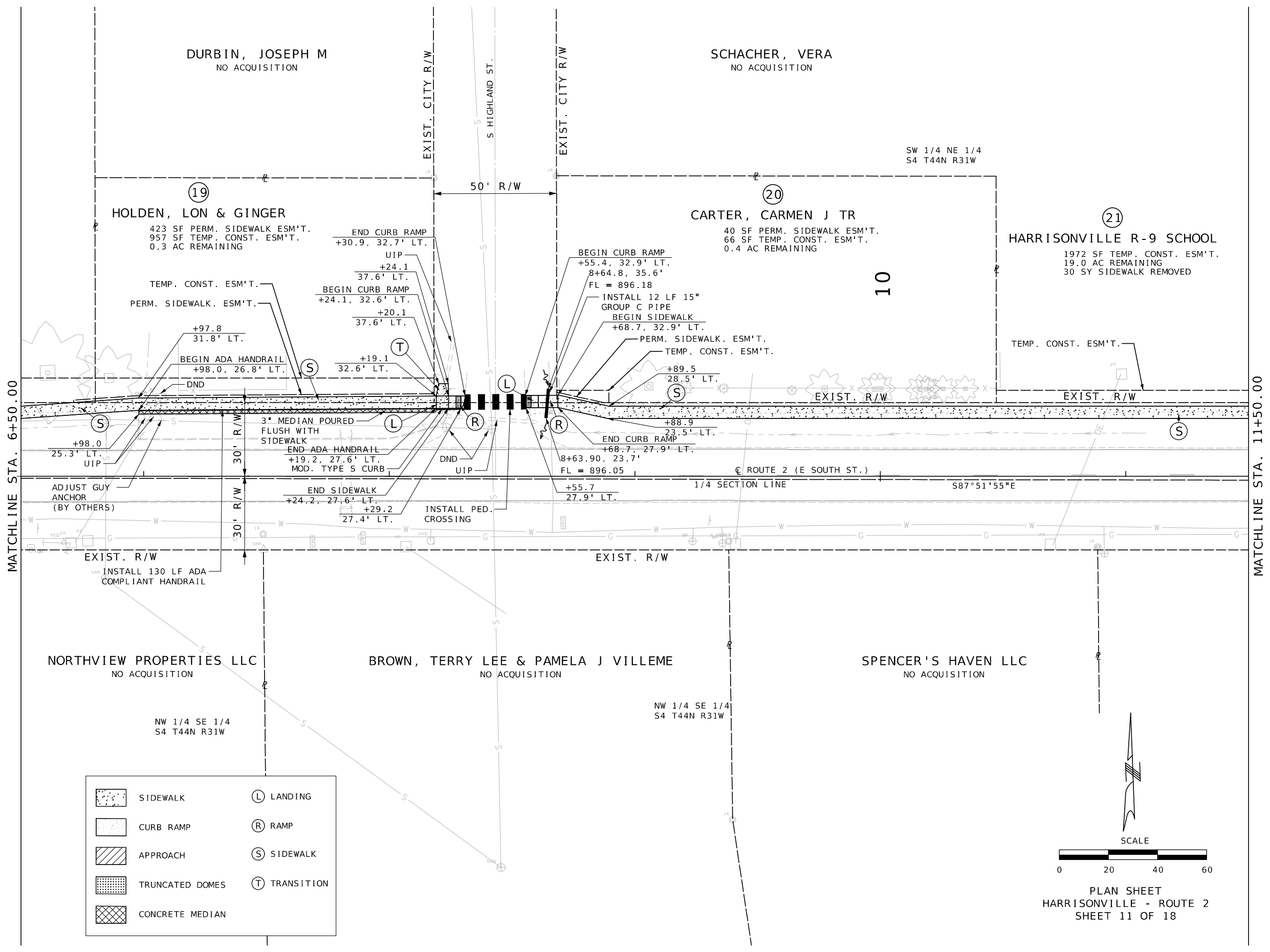
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

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PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

SCALE

0 20 40 60

PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 11 OF 18

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 22

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

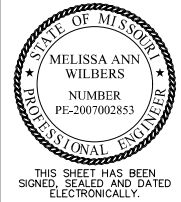
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 24
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

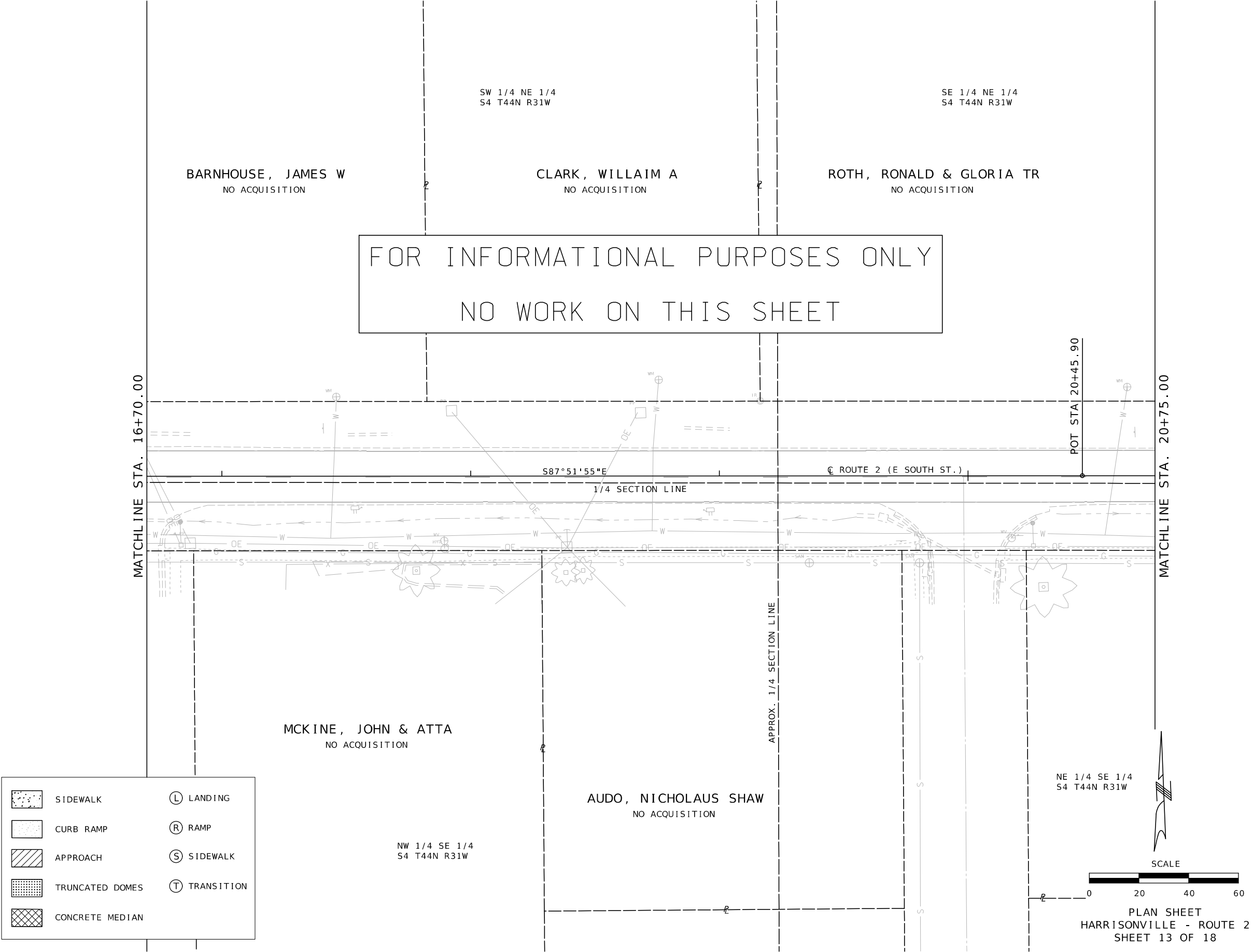
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

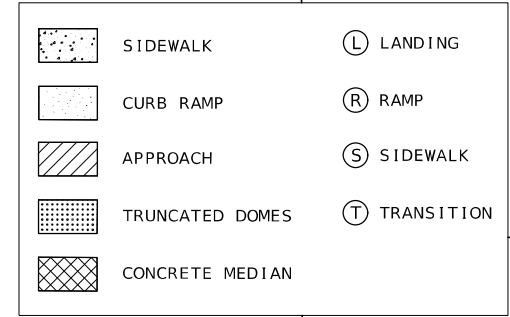
Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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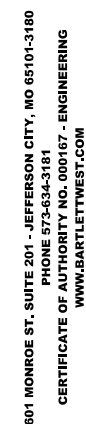
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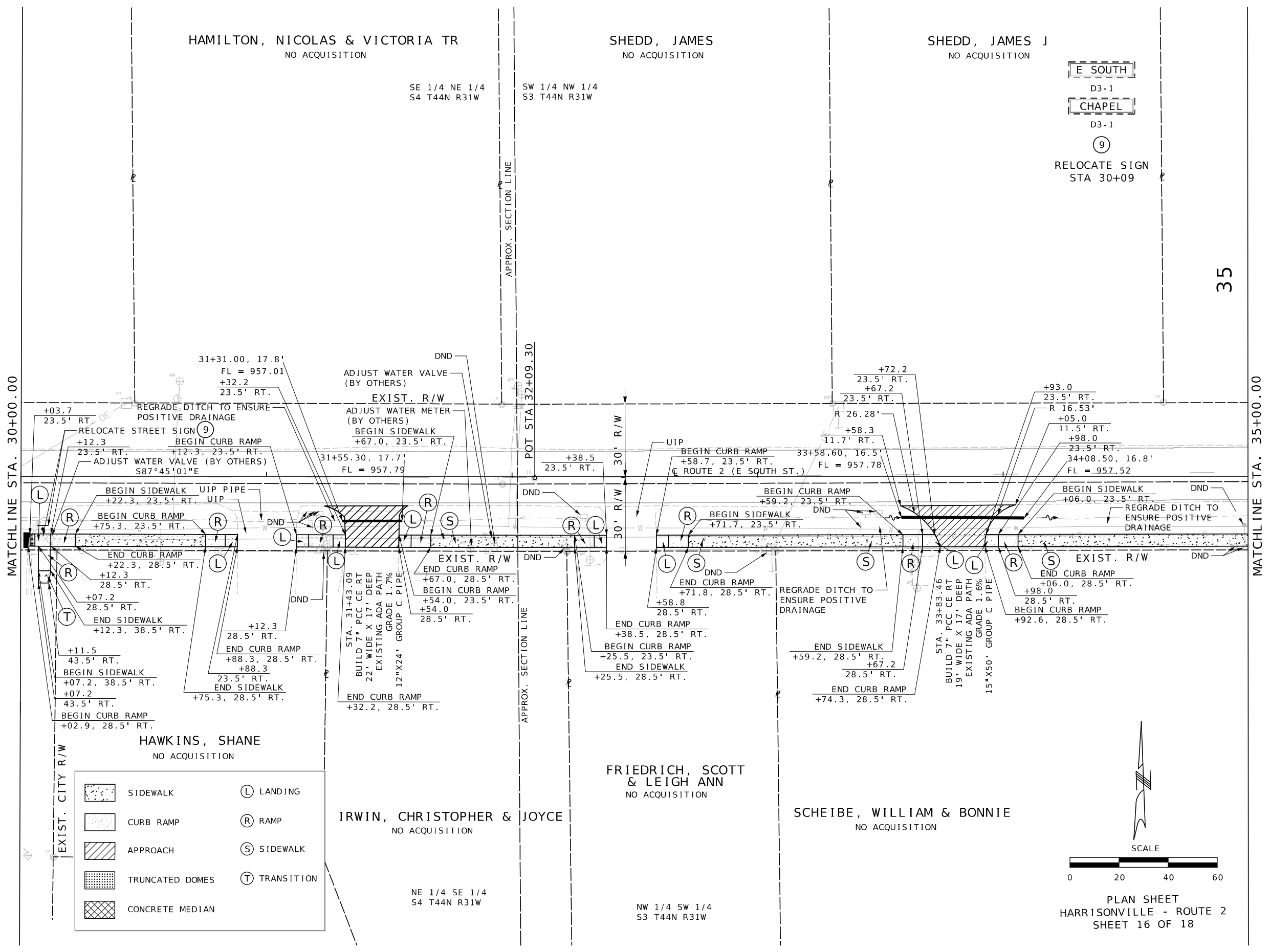


	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 14 OF 18

[illegible]



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L LANDING

R RAMP

S SIDEWALK

T TRANSITION

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
27

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

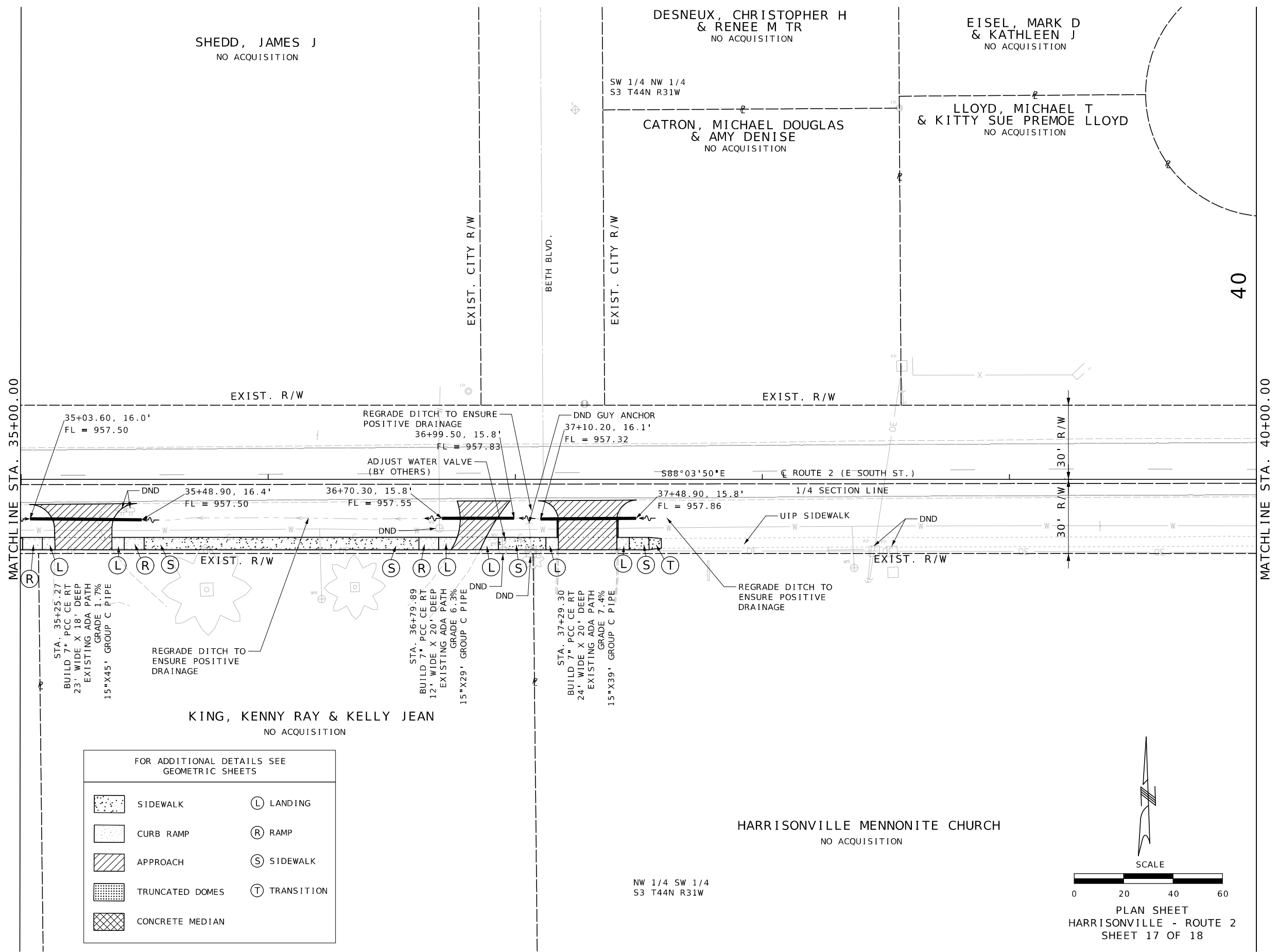
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

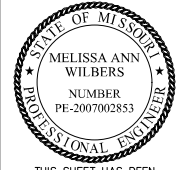
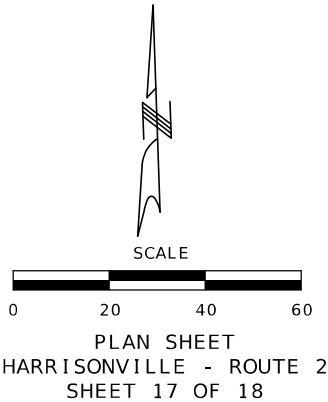
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/027_PP_J4P3268D_120.dgn 10:50:06 AM 2/29/2024



FOR ADDITIONAL DETAILS SEE GEOMETRIC SHEETS		
	SIDEWALK	(L) LANDING
	CURB RAMP	(R) RAMP
	APPROACH	(S) SIDEWALK
	TRUNCATED DOMES	(T) TRANSITION
	CONCRETE MEDIAN	



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 28
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

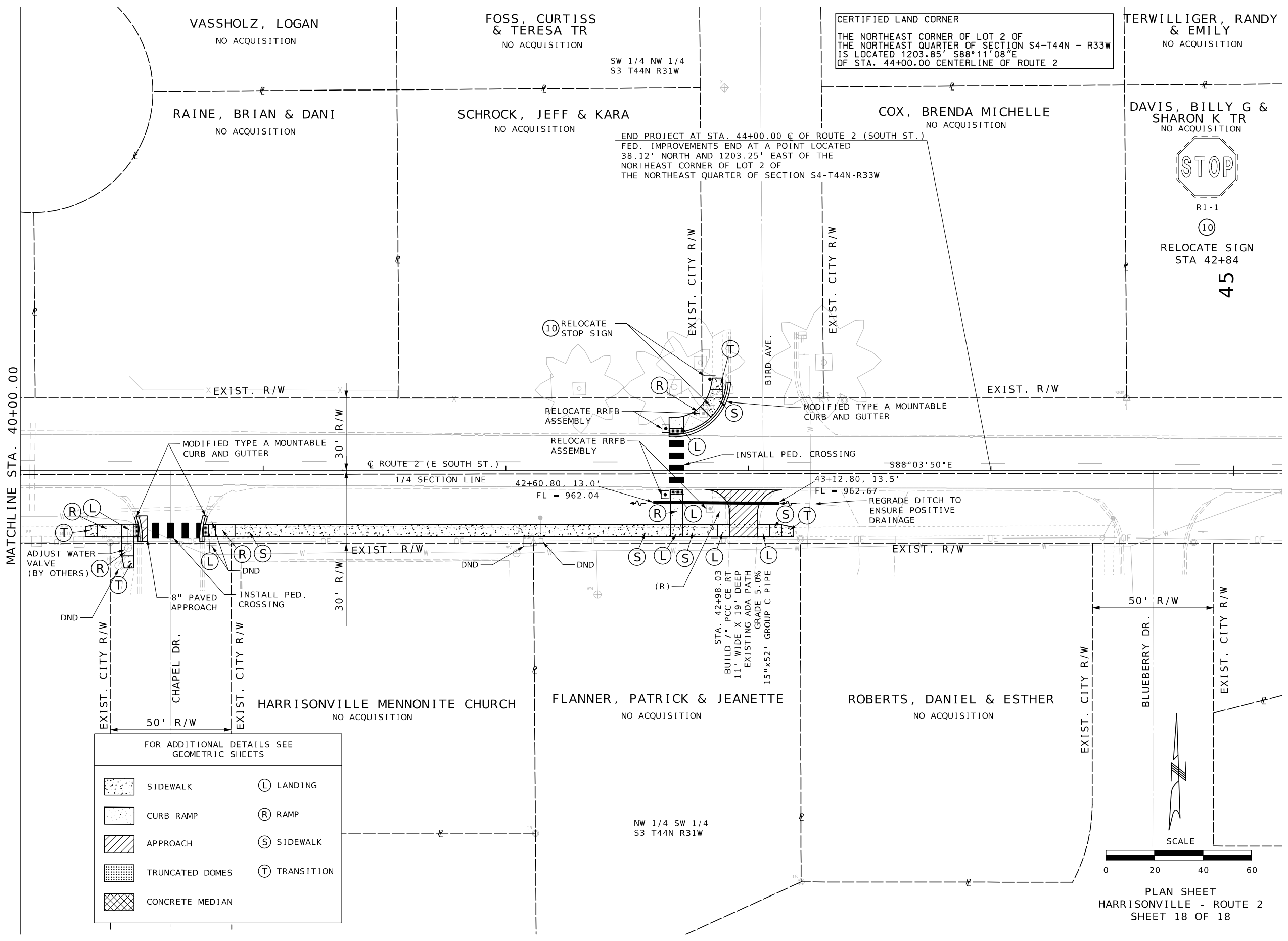
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-664-3161
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MATCHLINE STA. 40+00.00

FOR ADDITIONAL DETAILS SEE GEOMETRIC SHEETS

	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 18 OF 18

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 29

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

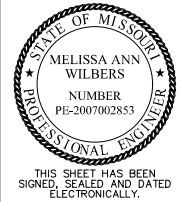
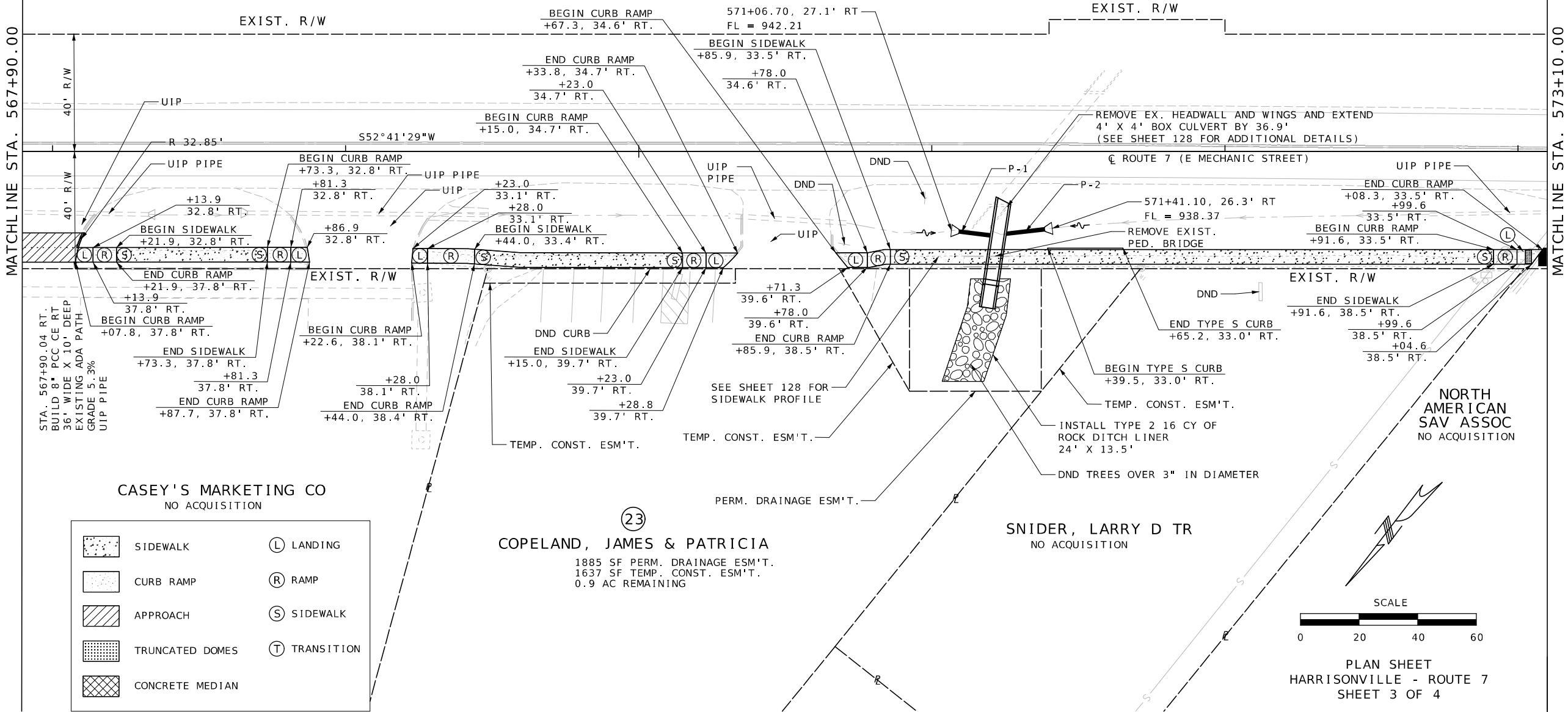
Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

NE 1/4 NW 1/4
S3 T44N R31W

MEADOW VIEW PROPERTY HOLDINGS LLC
NO ACQUISITION

570



DATE PREPARED 3/13/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 32
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

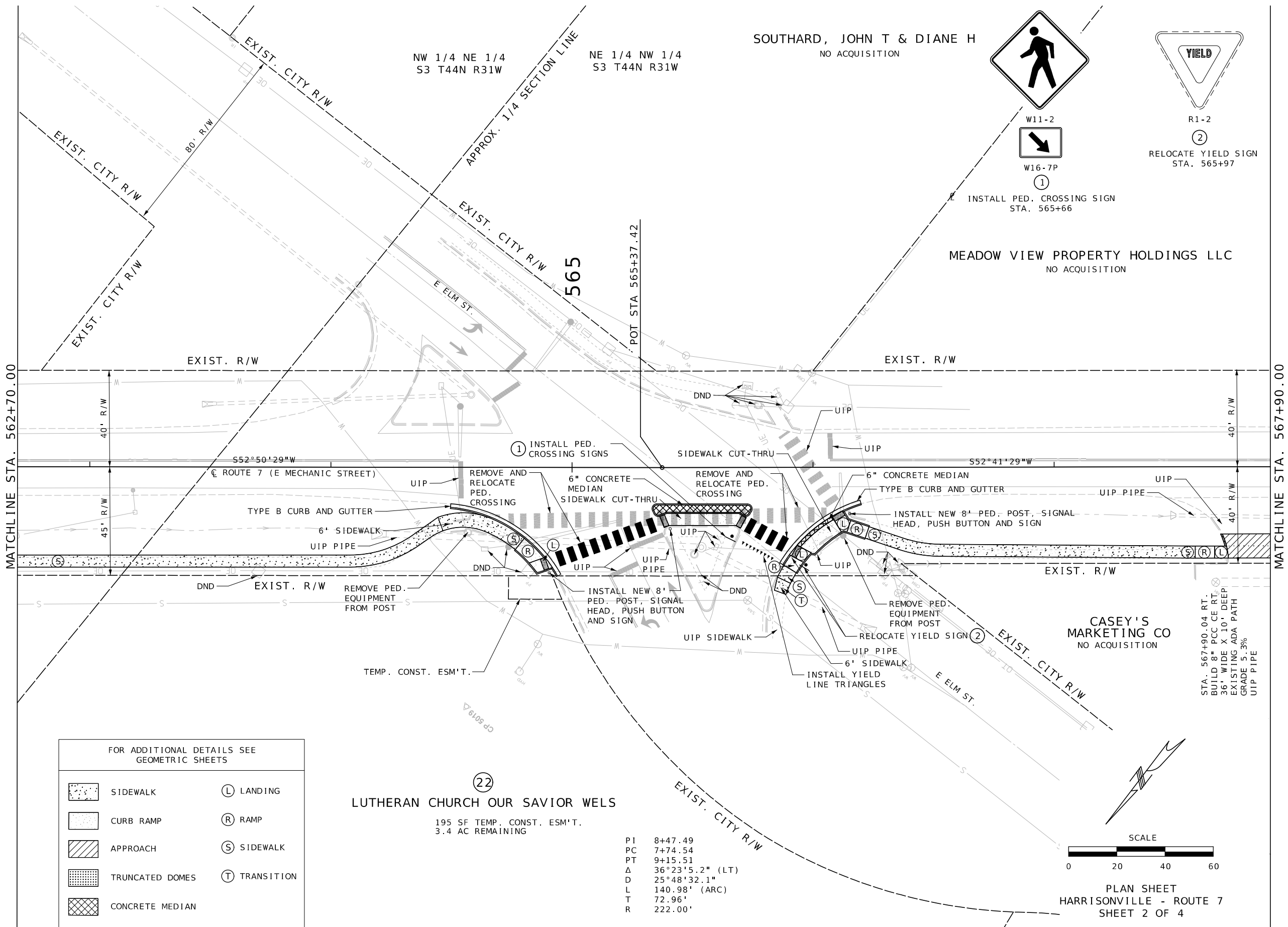
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West

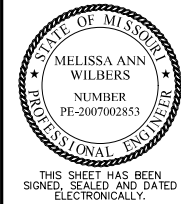
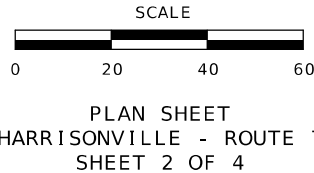
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



FOR ADDITIONAL DETAILS SEE GEOMETRIC SHEETS	
	SIDEWALK
	CURB RAMP
	APPROACH
	TRUNCATED DOMES
	CONCRETE MEDIAN
	LANDING
	RAMP
	SIDEWALK
	TRANSITION

22
LUTHERAN CHURCH OUR SAVIOR WELS
195 SF TEMP. CONST. ESM'T.
3.4 AC REMAINING

PI 8+47.49
PC 7+74.54
PT 9+15.51
Δ 36°23'5.2" (LT)
D 25°48'32.1"
L 140.98' (ARC)
T 72.96'
R 222.00'



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 31
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

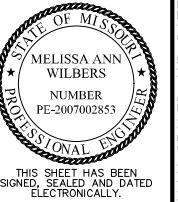
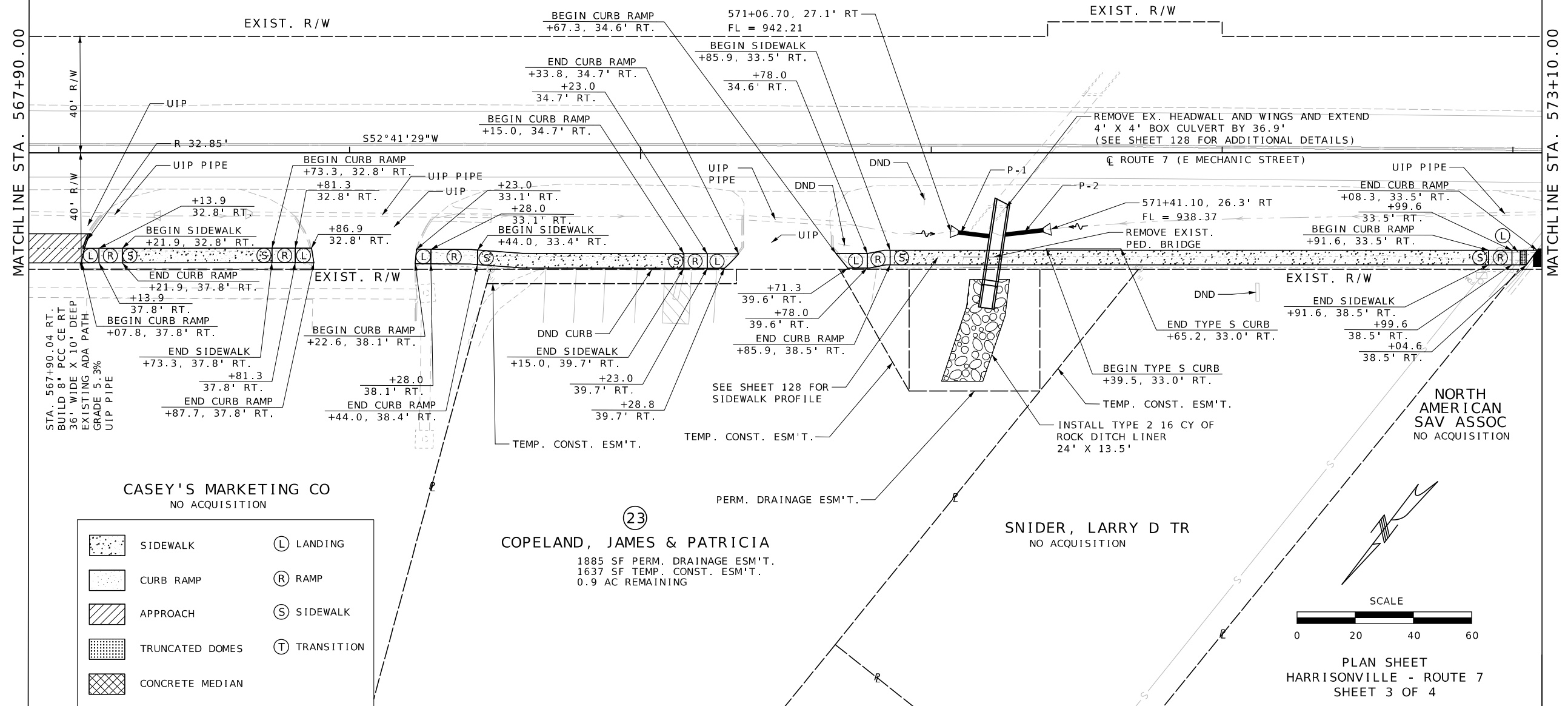
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
WWW.BARTLETTWEST.COM

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

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

MEADOW VIEW PROPERTY HOLDINGS LLC
NO ACQUISITION

570



DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
KC	32

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

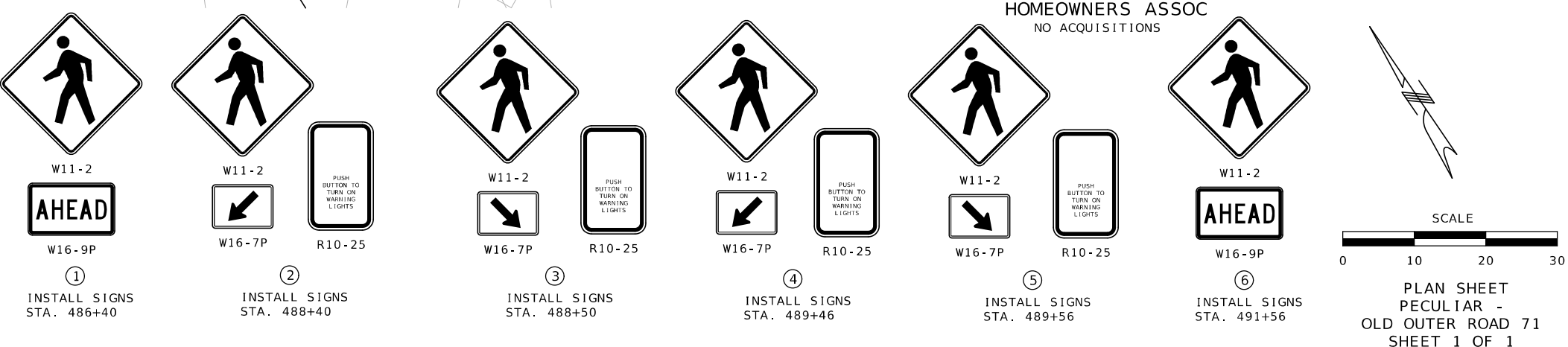
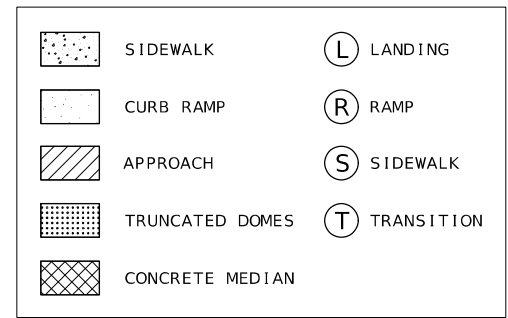
PROJECT NO. _____

[illegible][illegible]

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

Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

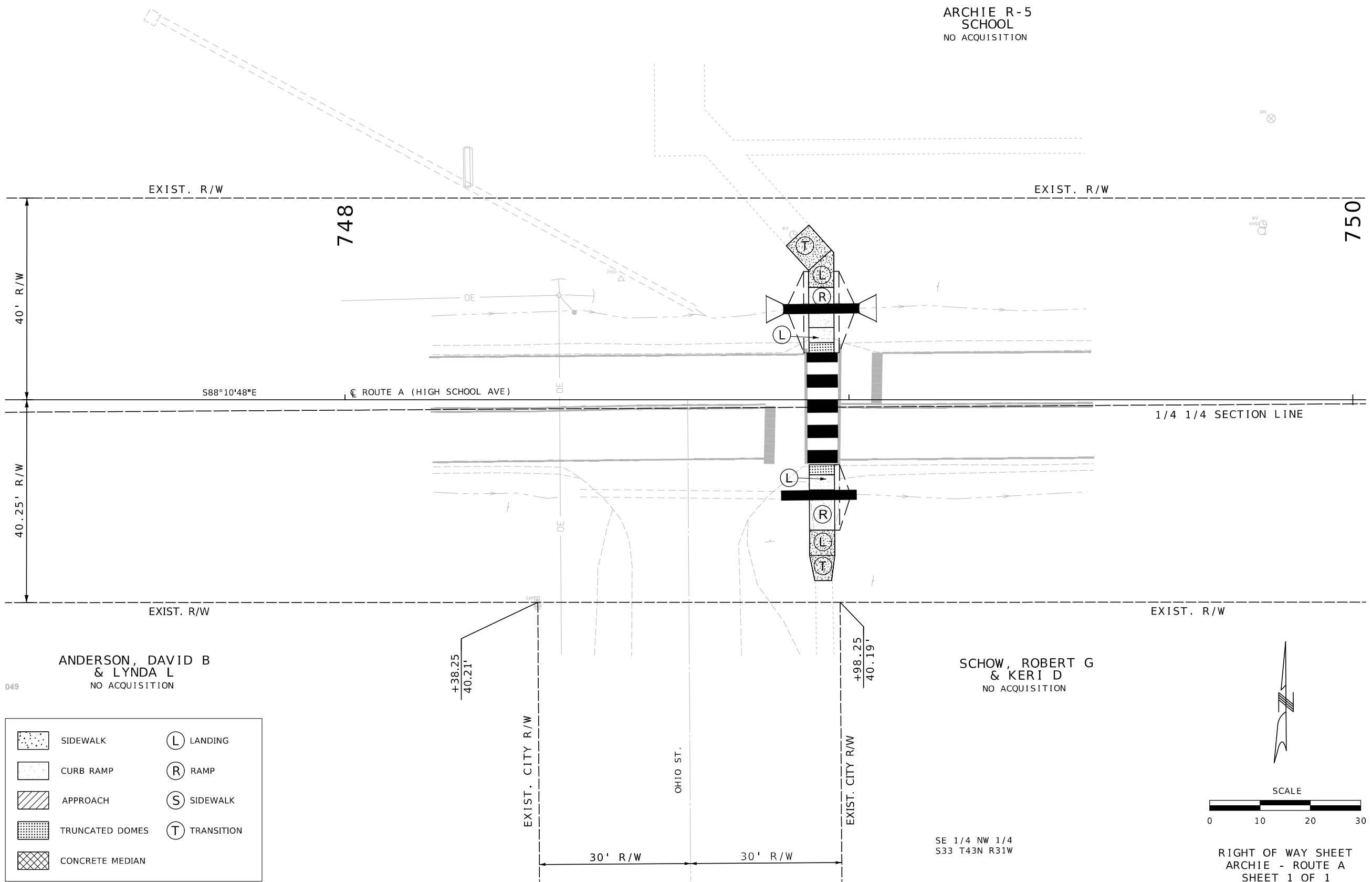
1. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 486+00.00 OLD OUTER ROAD 71 TO STA. 492+00.00 OLD OUTER ROAD 71. A DISTANCE OF 0.114 MILES.
2. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
3. ALL UTILITIES SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL SIDEWALK AND RAMPS SHALL BE CONSTRUCTED 5 FEET WIDE UNLESS OTHERWISE NOTED IN THE PLANS.
5. ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, WEST ZONE.
6. THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS AND REPRESENTATION OF WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.

[illegible]

PLANS FOR RIGHT OF WAY
INFORMATION ONLY

NE 1/4 NW 1/4
S33 T43N R31W

ARCHIE R-5
SCHOOL
NO ACQUISITION



049
ANDERSON, DAVID B
& LYNDAL
NO ACQUISITION

SCHOW, ROBERT G
& KERI D
NO ACQUISITION

SE 1/4 NW 1/4
S33 T43N R31W

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

SCALE
0 10 20 30

RIGHT OF WAY SHEET
ARCHIE - ROUTE A
SHEET 1 OF 1

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
35

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

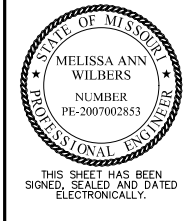
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/035_RW_J4P3268D_i20.dgn 10:52:34 AM 2/29/2024



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 36
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

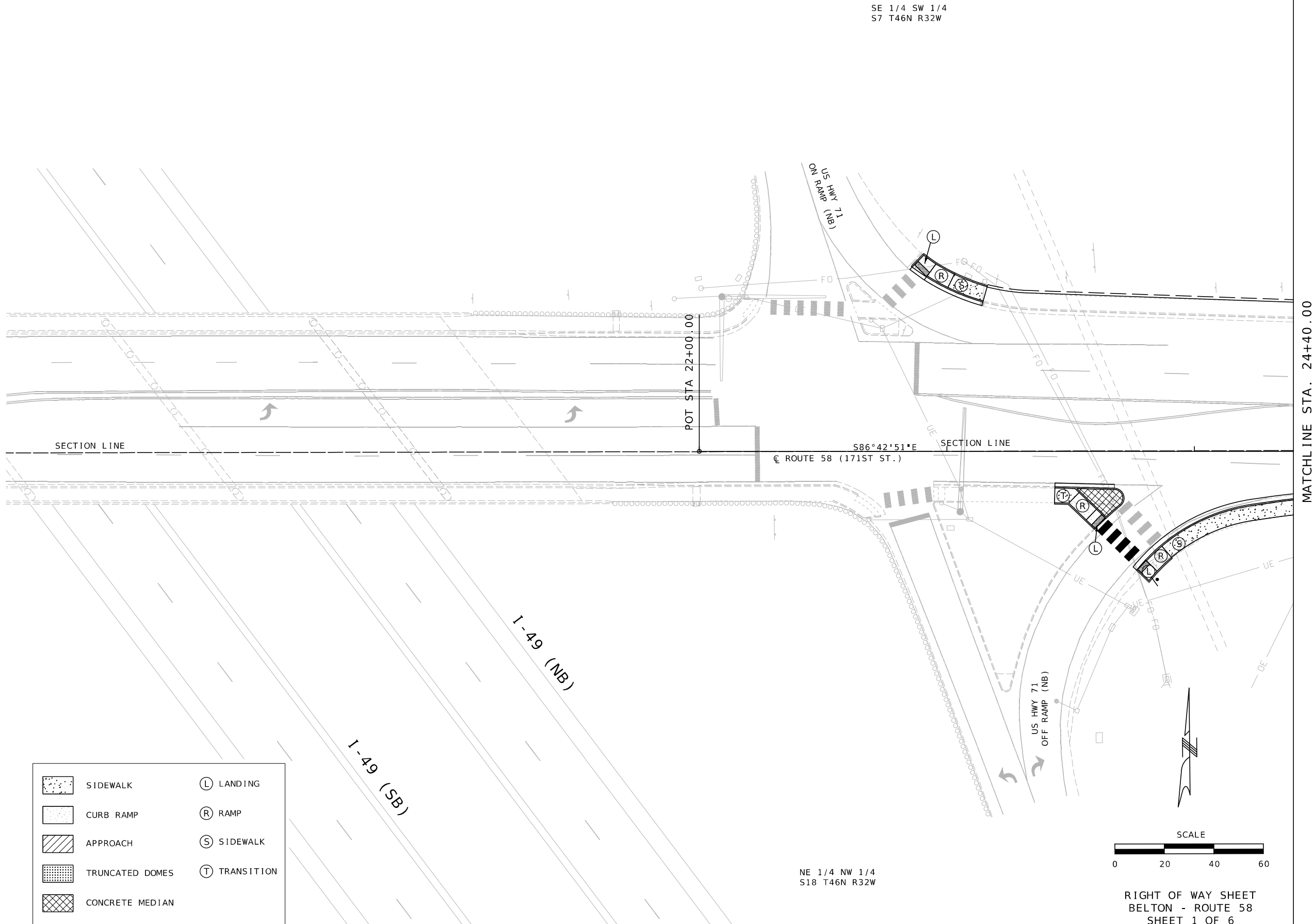


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

MATCHLINE STA. 24+40.00

SE 1/4 SW 1/4
S7 T46N R32W

SW 1/4 SE 1/4
S7 T46N R32W

FLEETWOOD, H E & LOUISE A TRUST
NO ACQUISITION

NE 1/4 NW 1/4
S18 T46N R32W

BK BELTON ASSOCIATES
C/O JOHN S EVANS
NO ACQUISITION

58-71 ASSOCIATES
C/O ROYAL CITY BELL
NO ACQUISITION

NW 1/4 NE 1/4
S18 T46N R32W

MATCHLINE STA. 29+60.00

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

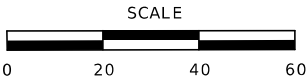
CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION



RIGHT OF WAY SHEET
BELTON - ROUTE 58
SHEET 2 OF 6



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
37

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

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DATE

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3162
WWW.BARTLETTWEST.COM

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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

MATCHLINE STA. 29+60.00

MATCHLINE STA. 34+80.00

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L LANDING

R RAMP

S SIDEWALK

T TRANSITION

SW 1/4 SE 1/4
S7 T46N R32W

QUIKTRIP CORPORATION
NO ACQUISITION

EXIST. UTILITY ESM'T.
EXIST. UTILITY ESM'T.
EXIST. UTILITY ESM'T.

EXIST. R/W

EXIST. R/W

ROUTE 58 (171ST ST.)

SECTION LINE

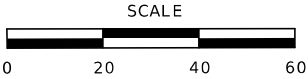
S86°42'51"E

STATION BELTON LLC
NO ACQUISITION

A J PARTNERSHIP
NO ACQUISITION

PREUSS, ECKHARD J
& MARIA LUISE
NO ACQUISITION

NW 1/4 NE 1/4
S18 T46N R32W



RIGHT OF WAY SHEET
BELTON - ROUTE 58
SHEET 3 OF 6



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 38
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

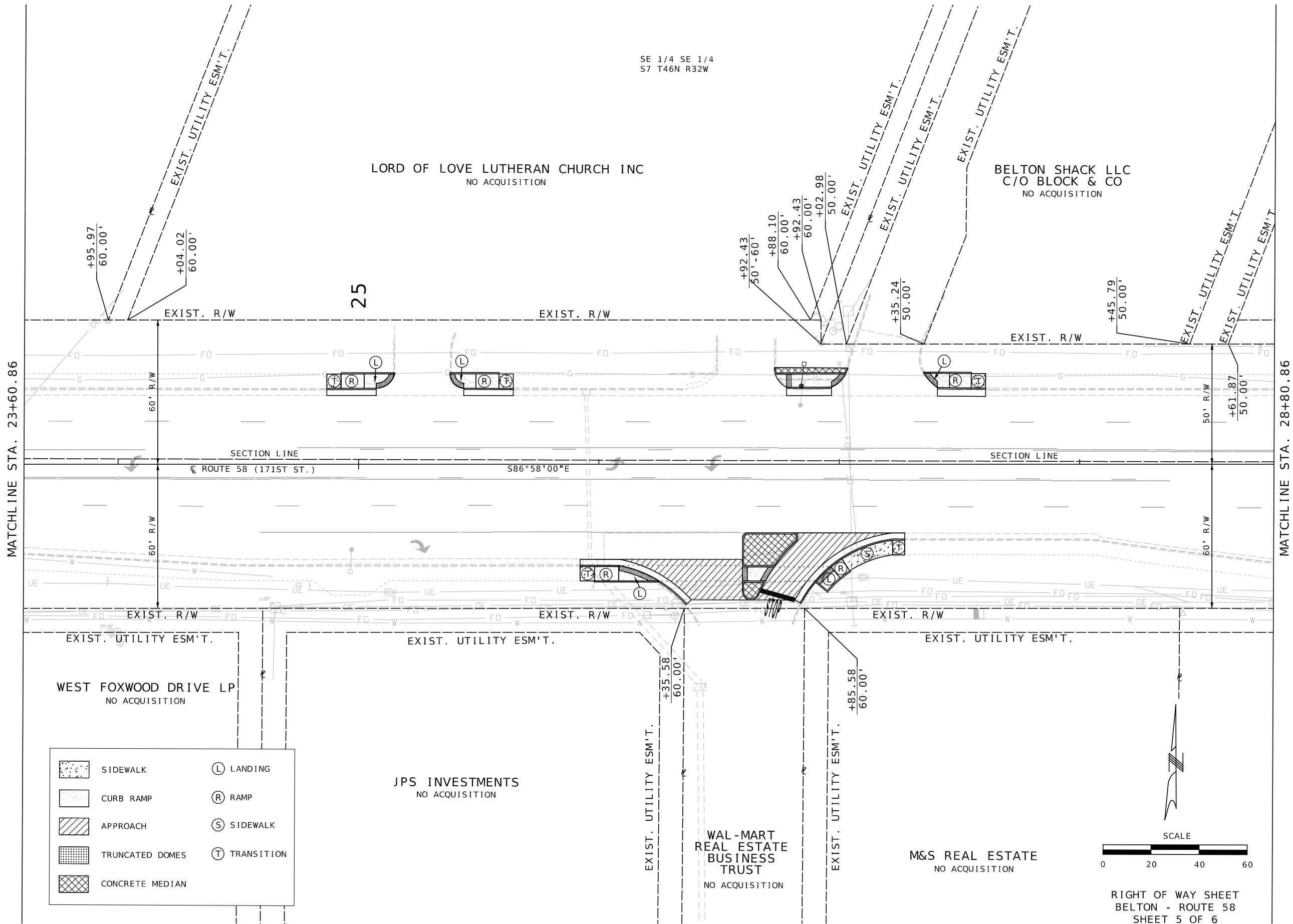
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 40
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

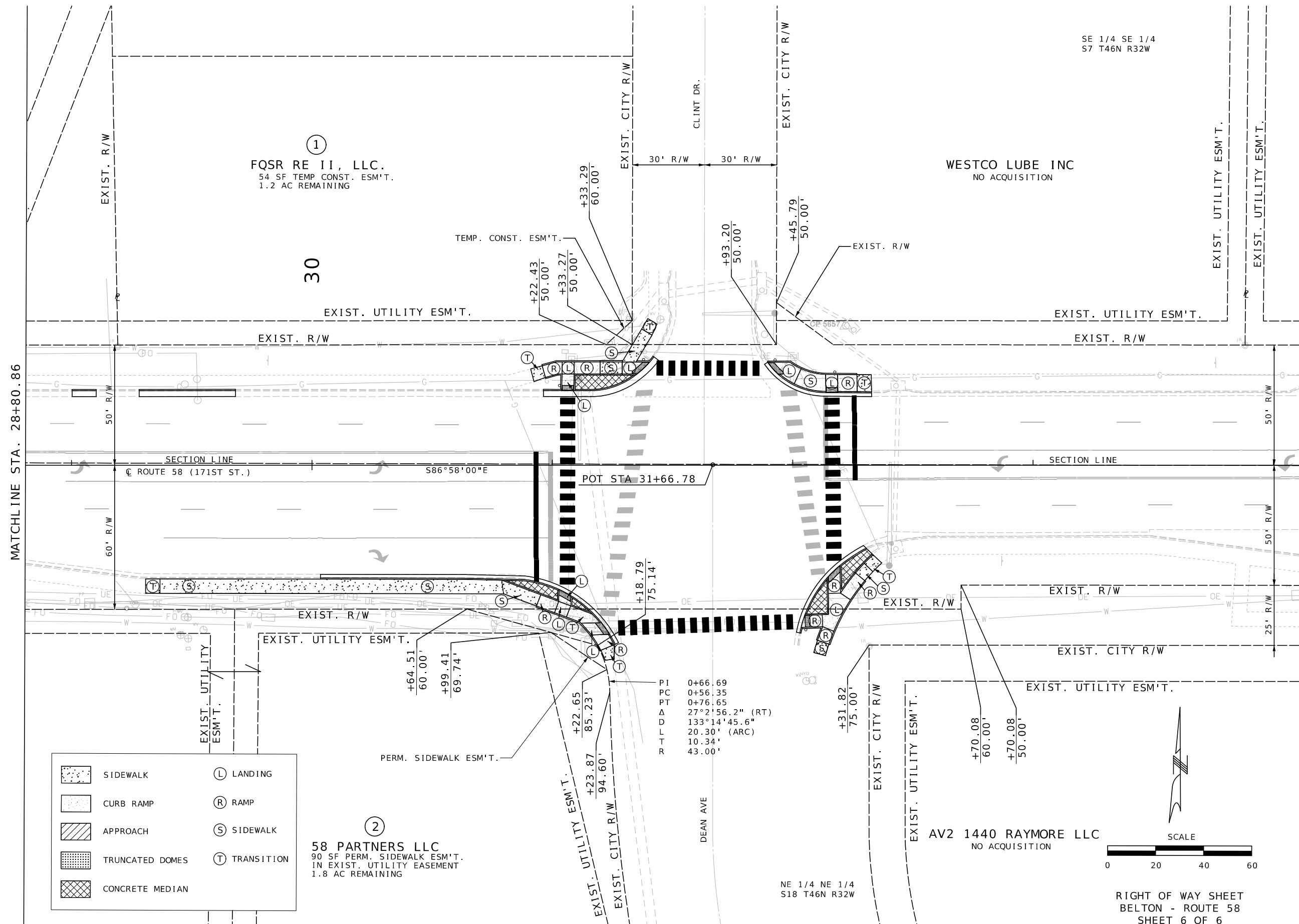
MoDOT

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

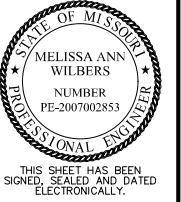
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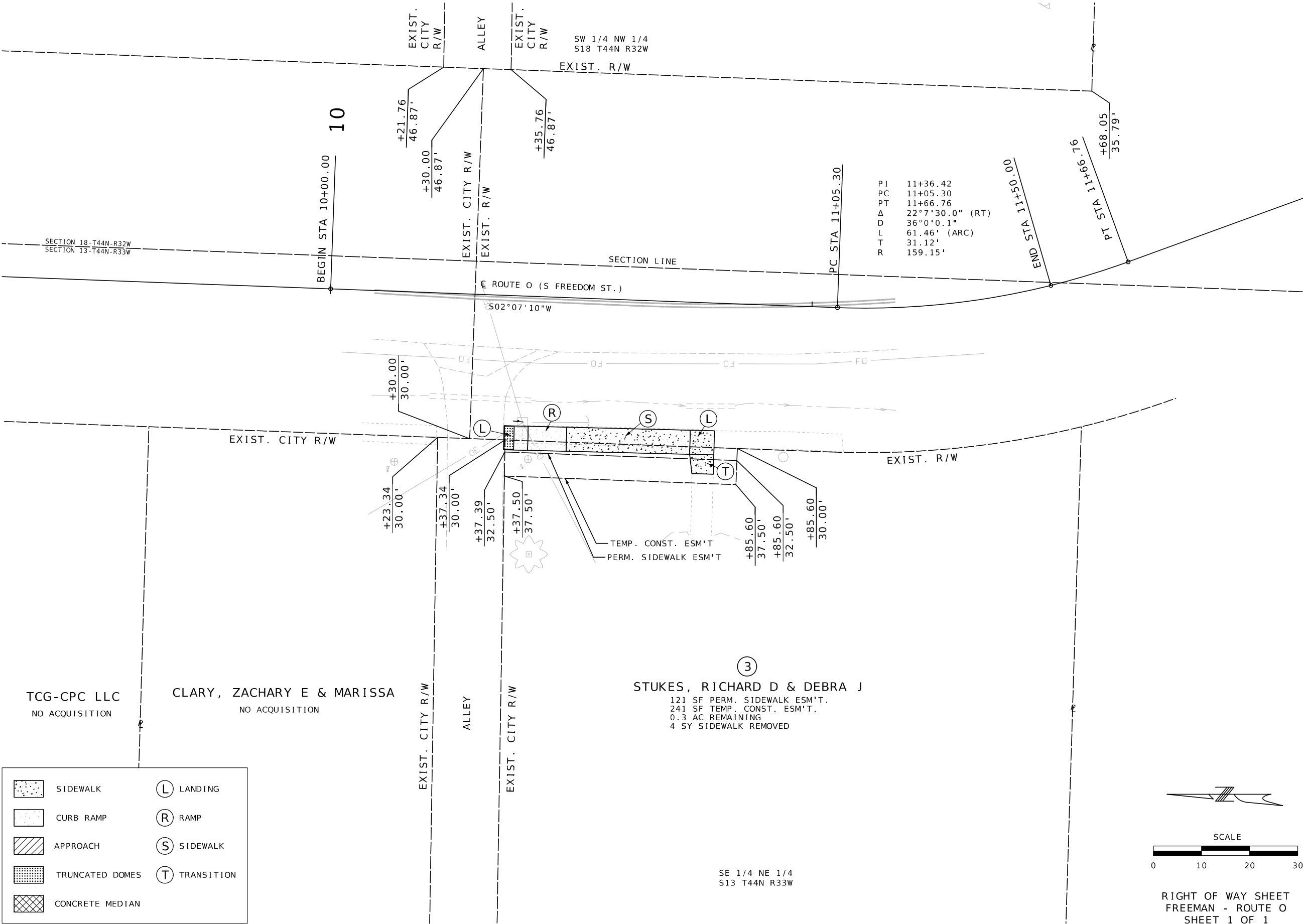
①
FQSR RE II, LLC.
54 SF TEMP CONST. ESM'T.
1.2 AC REMAINING

WESTCO LUBE INC
NO ACQUISITION

SE 1/4 SE 1/4
S7 T46N R32W



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



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION

SCALE

0

10

20

30

RIGHT OF WAY SHEET
FREEMAN - ROUTE O
SHEET 1 OF 1

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER
PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

DISTRICT
KC

STATE
MO

SHEET NO.
42

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/042_RW_J4P3268D_i10.dgn 10:53:42 AM 2/29/2024

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER

PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

2/29/2024

ROUTE

VAR

STATE

MO

DISTRICT

KC

SHEET NO.

43

COUNTY

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

Bartlett & West

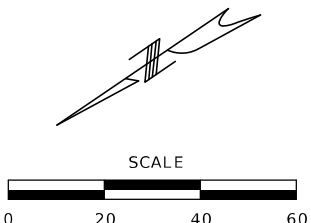
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-634-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/043_RW_J4P3268D_i20.dgn 10:53:59 AM 2/29/2024



STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-2007002853
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 45

COUNTY	CASS
JOB NO.	J4P3268D
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

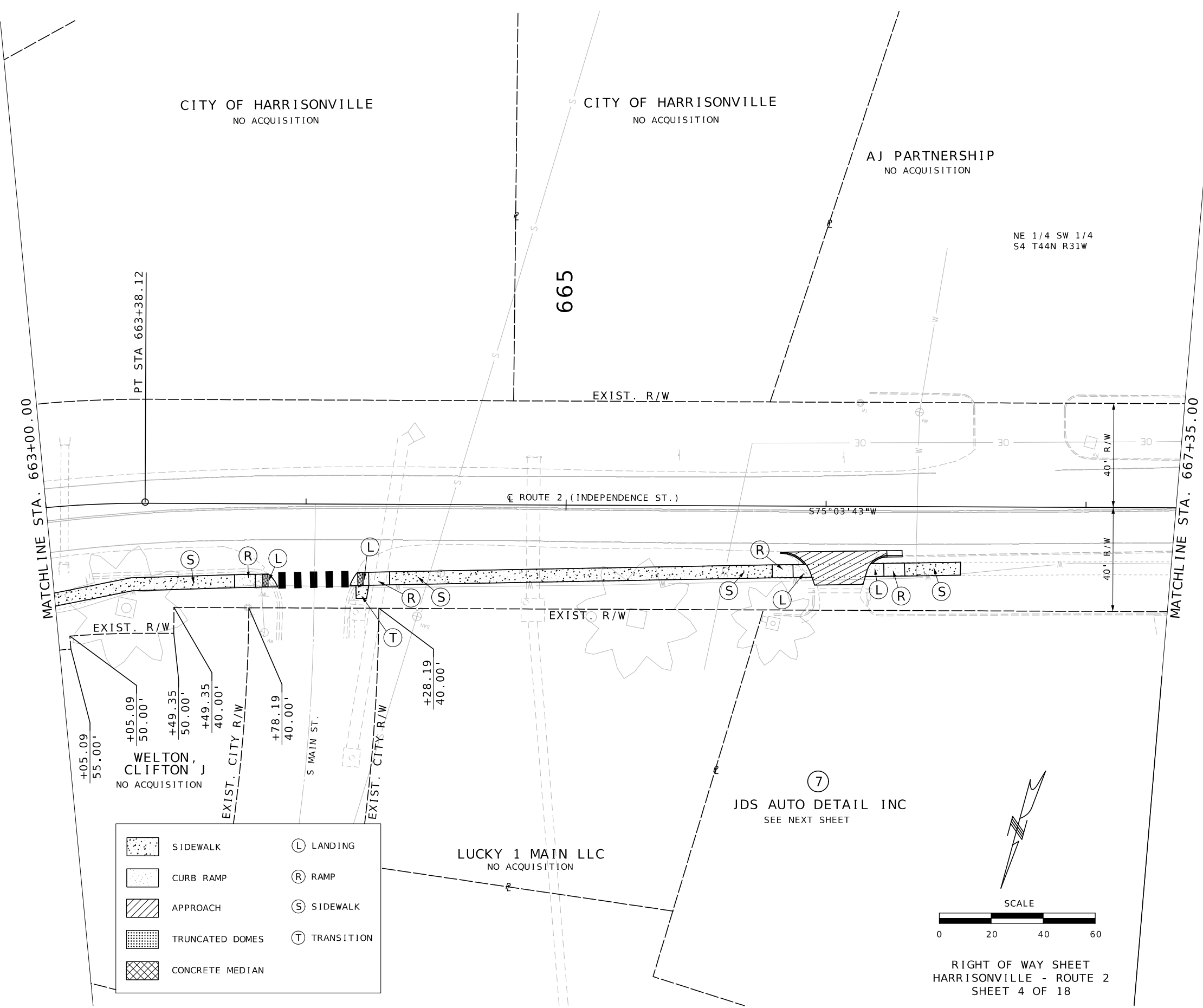
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COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.RARTI.ETTWEST.COM

[illegible]



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION

SCALE

0

20

40

60

RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 4 OF 18

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-3007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
46

COUNTY
CASS

JOB NO.
J4P3268D

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)

Bartlett & West

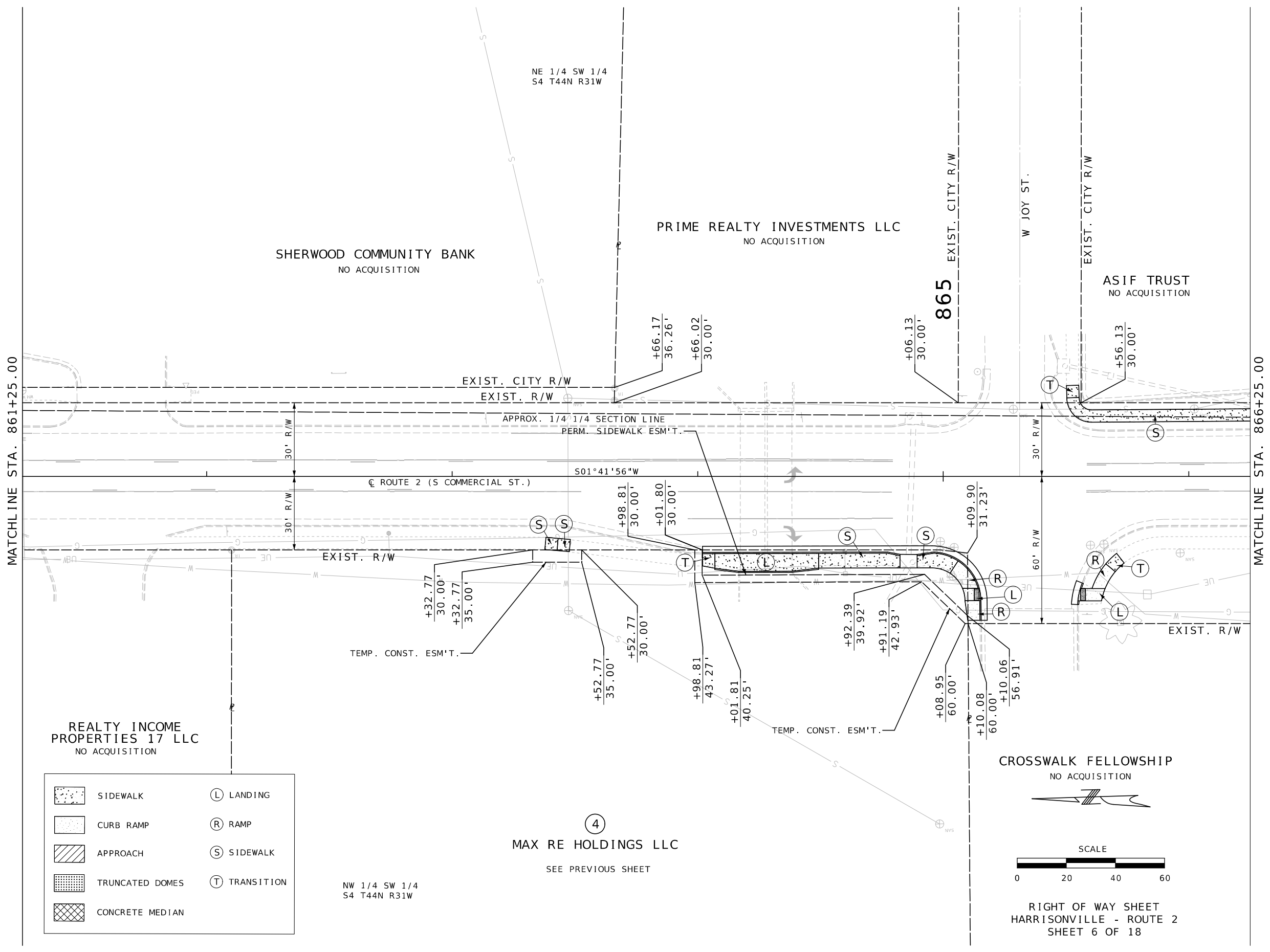
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-634-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/046_RW_J4P3268D_i20.dgn 10:54:26 AM 2/29/2024



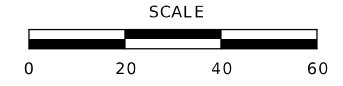
REALTY INCOME
PROPERTIES 17 LLC
NO ACQUISITION

	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

NW 1/4 SW 1/4
S4 T44N R31W

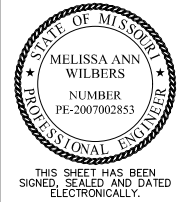
4
MAX RE HOLDINGS LLC
SEE PREVIOUS SHEET

CROSSWALK FELLOWSHIP
NO ACQUISITION



RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 6 OF 18

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 48
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
Bartlett & West 601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180 PHONE 572-664-3161 CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING WWW.BARTLETTWEST.COM	



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 49
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

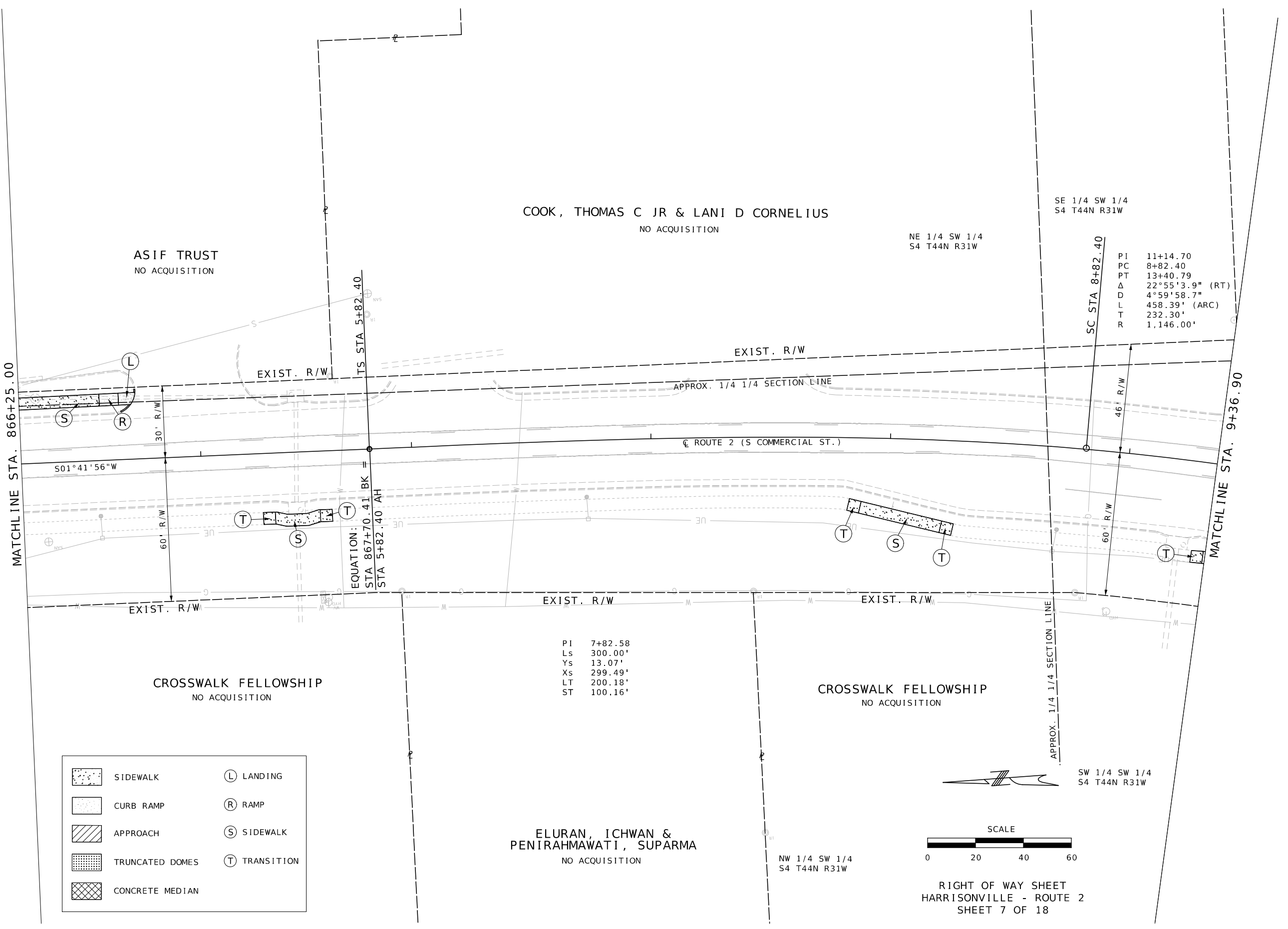
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

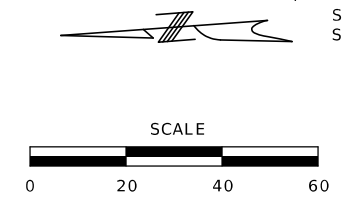
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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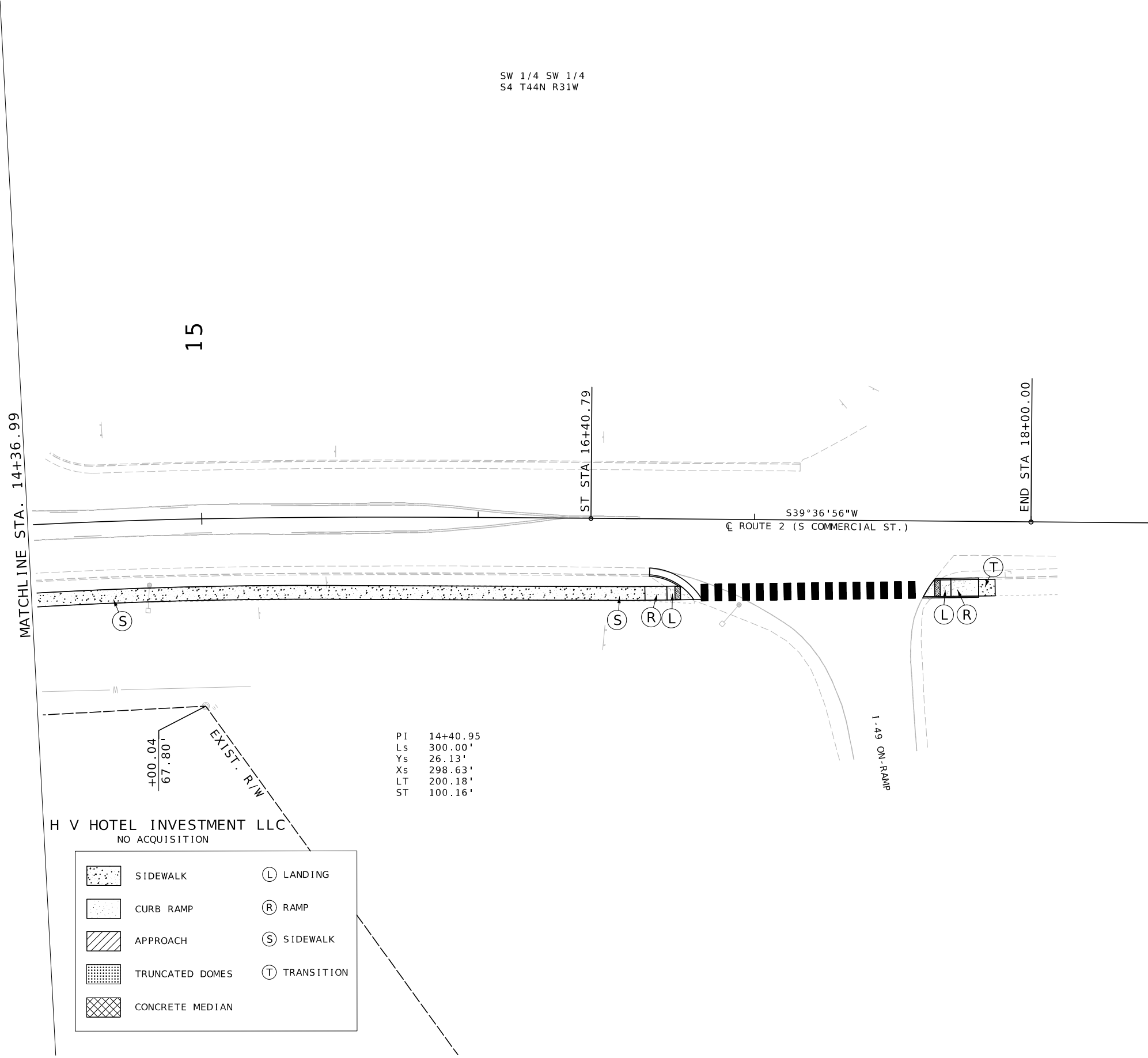
	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

PI 7+82.58
LS 300.00'
YS 13.07'
XS 299.49'
LT 200.18'
ST 100.16'

PI 11+14.70
PC 8+82.40
PT 13+40.79
 Δ 22°55'3.9" (RT)
D 4°59'58.7"
L 458.39' (ARC)
T 232.30'
R 1,146.00'



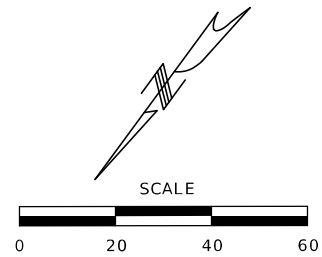
RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 7 OF 18



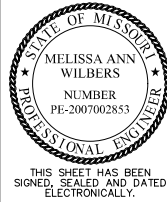
H V HOTEL INVESTMENT LLC
NO ACQUISITION

	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

PI 14+40.95
Ls 300.00'
Ys 26.13'
Xs 298.63'
LT 200.18'
ST 100.16'



RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 9 OF 18



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 51
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

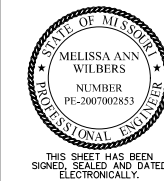
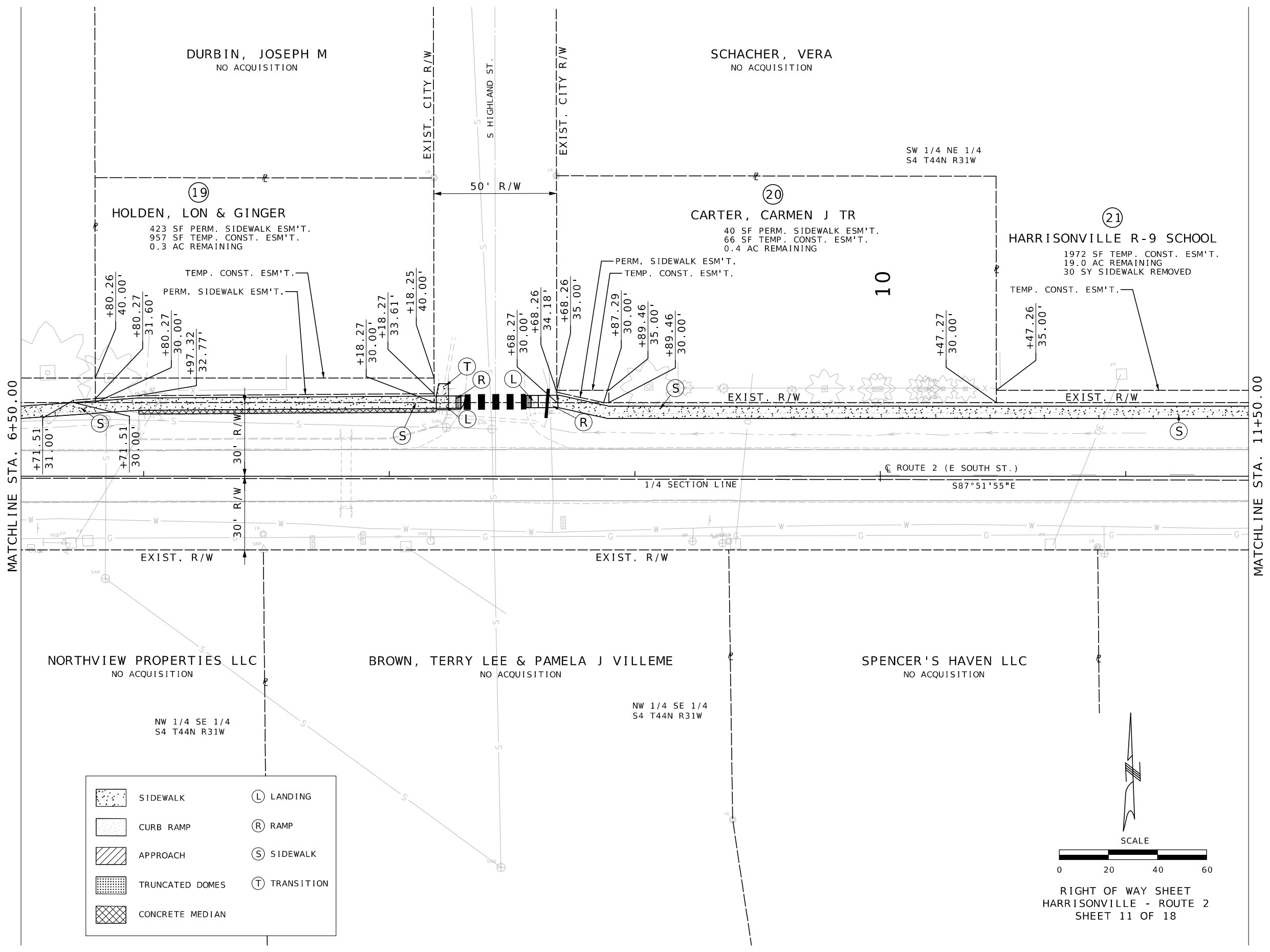
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 53
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

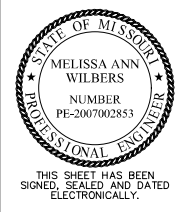
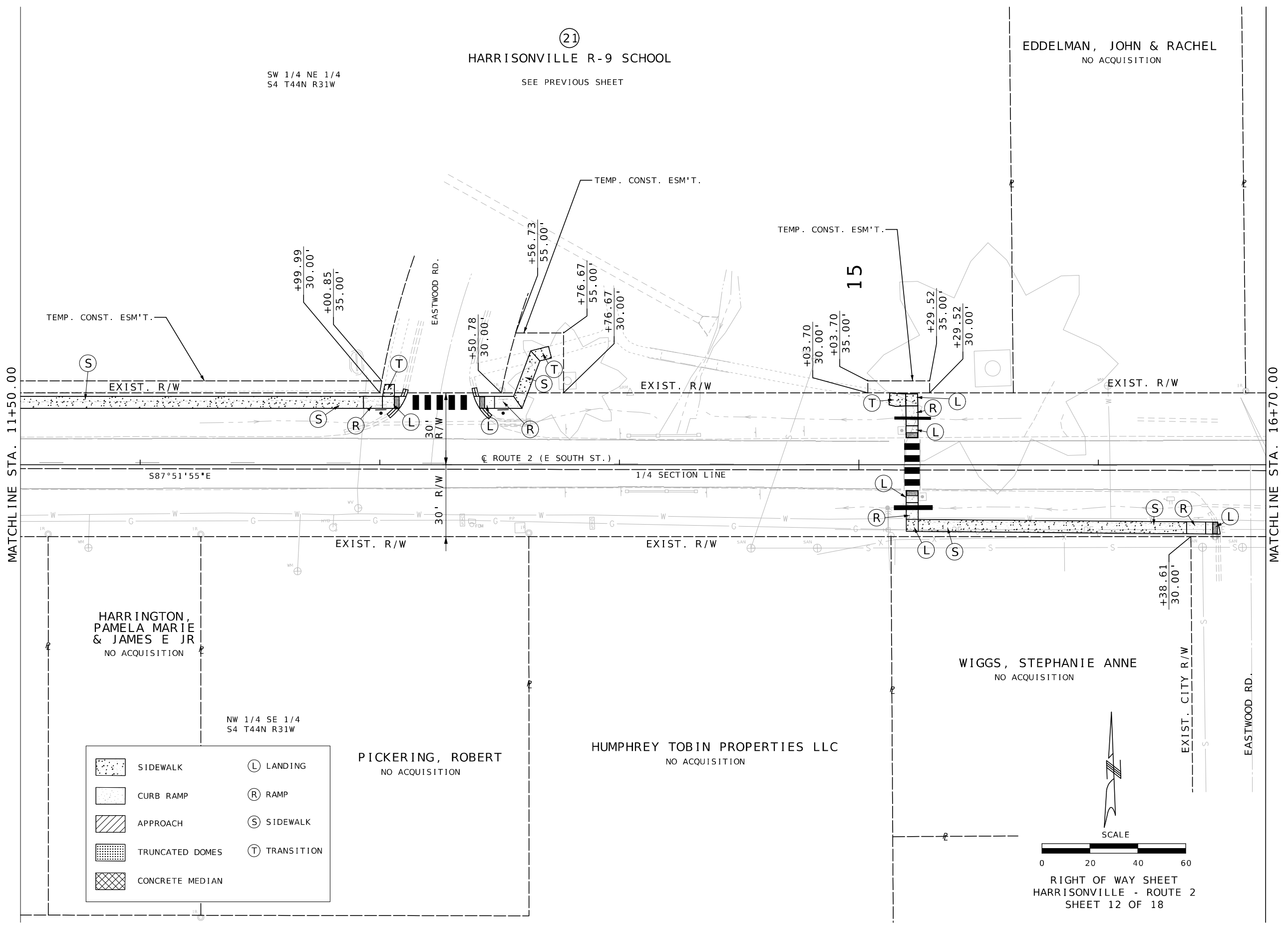
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 54
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

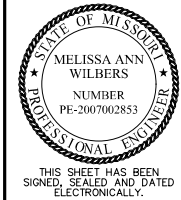
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-664-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 55
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

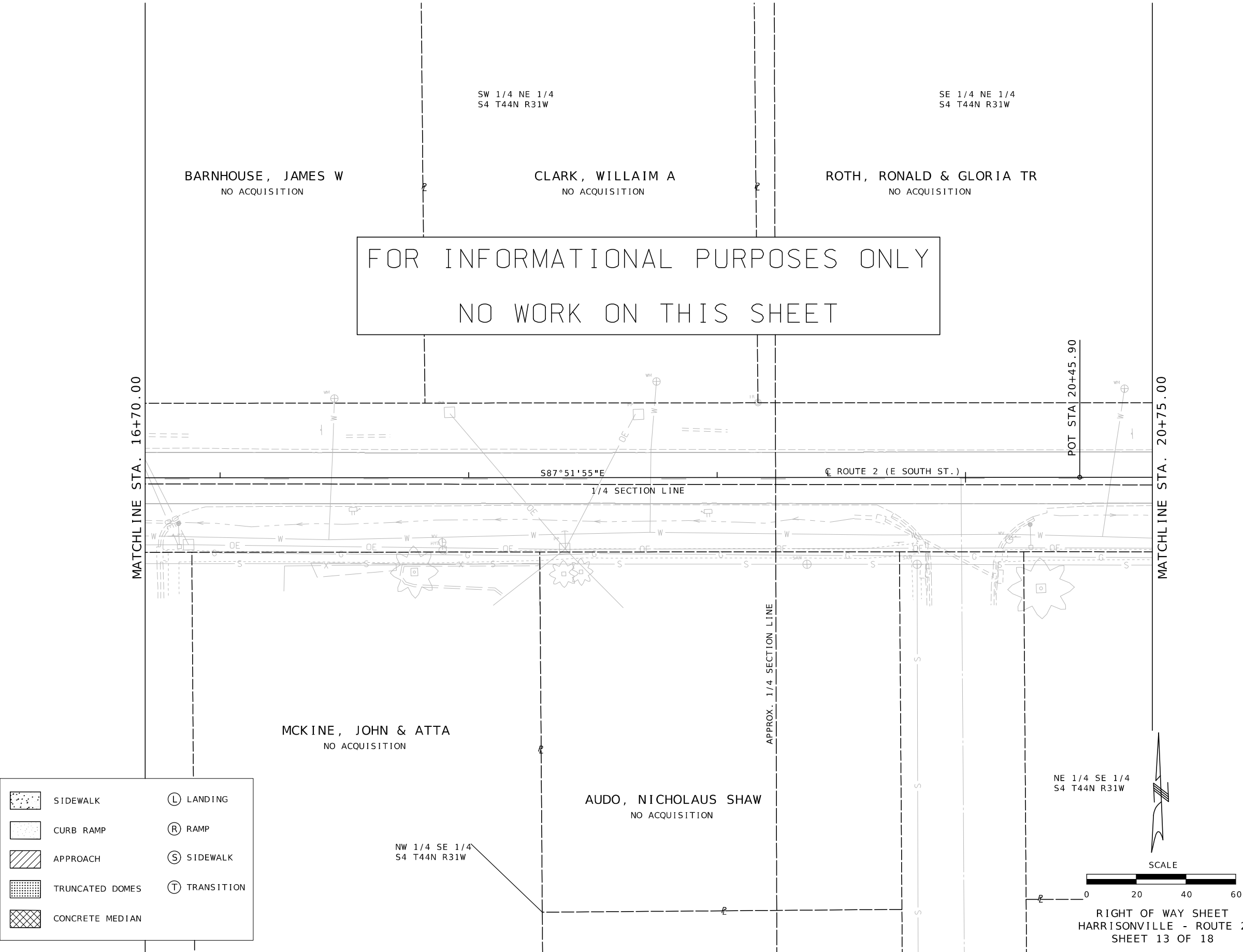
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

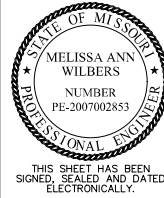


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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DATE PREPARED
2/29/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
KC 56

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

SE 1/4 NE 1/4
S4 T44N R31W

ROTH, RONALD & GLORIA TR
NO ACQUISITION

SMITH, SHAUNA
& GREGORY
NO ACQUISITION

FOR INFORMATIONAL PURPOSES ONLY
NO WORK ON THIS SHEET

MATCHLINE STA. 20+75.00

MATCHLINE STA. 24+80.00

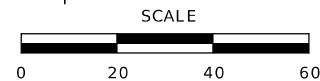
CHRISTENSEN, HOLLY & JAN
NO ACQUISITION

SCHROCK, JEFF & KARA
NO ACQUISITION

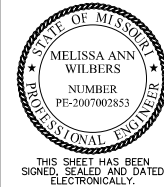
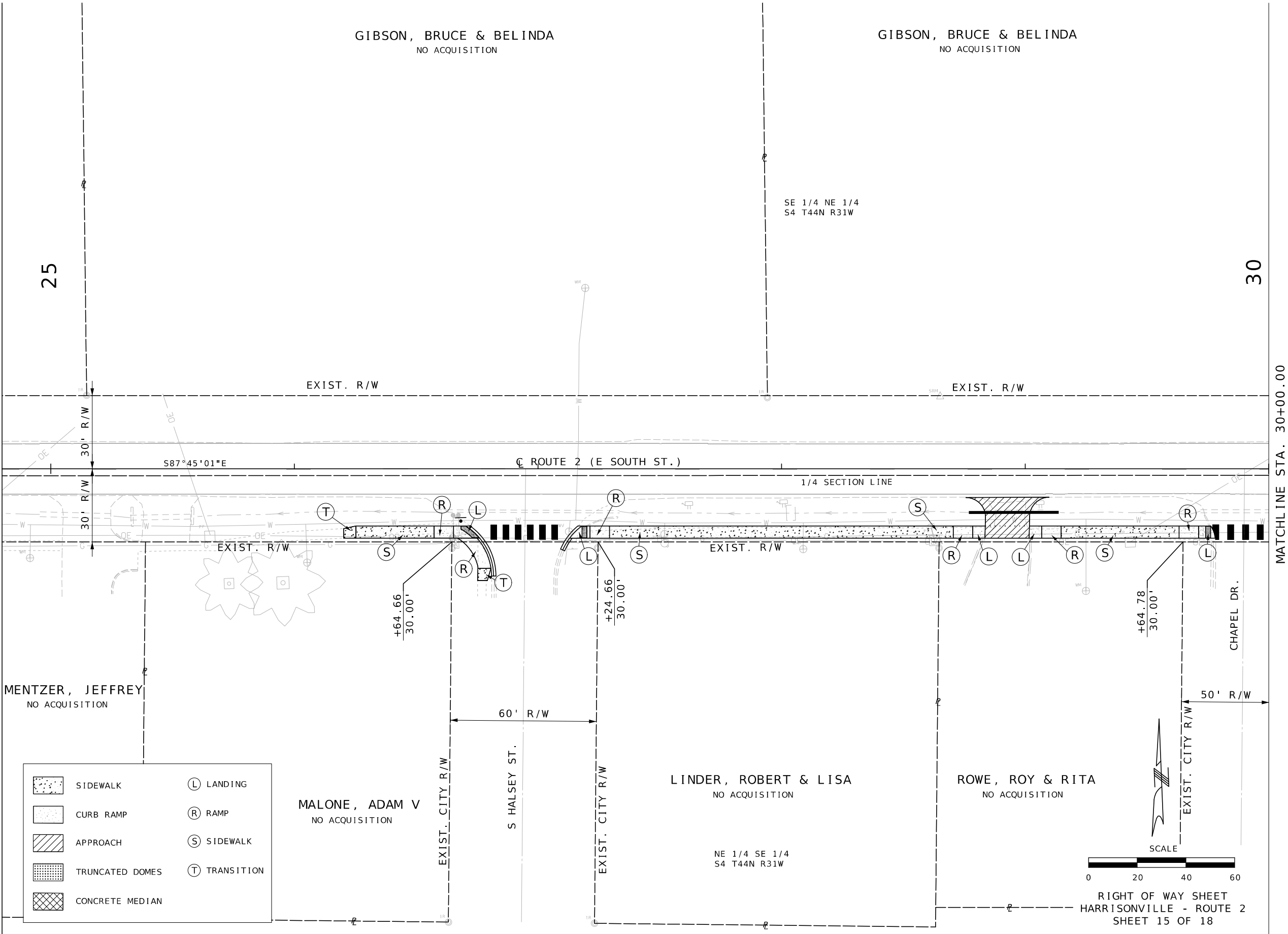
LYNCH, MARGARET ANN
NO ACQUISITION

NE 1/4 SE 1/4
S4 T44N R31W

	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 14 OF 18



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 57
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

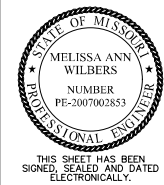
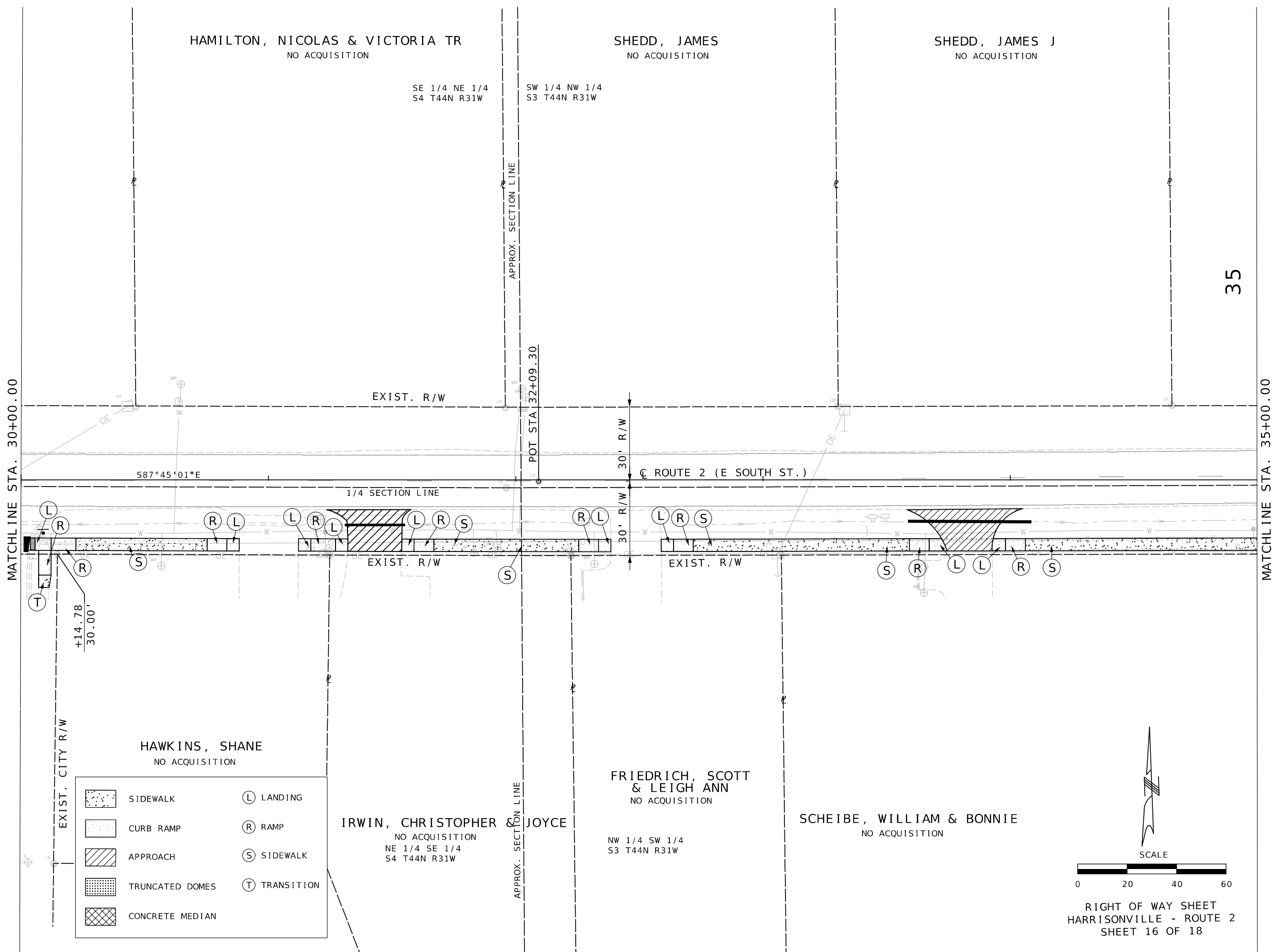
MoDOT

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3162
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CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 58

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

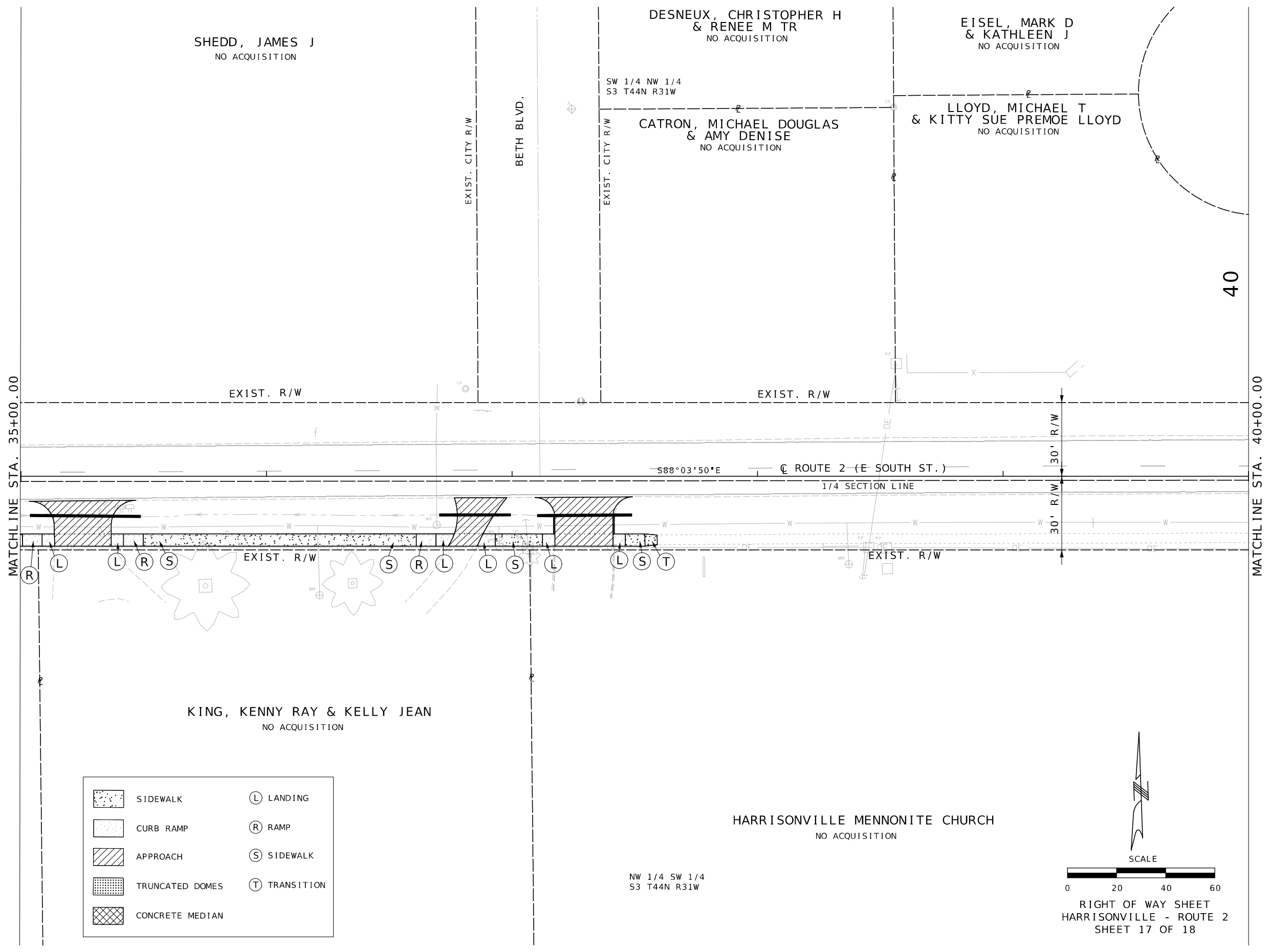
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

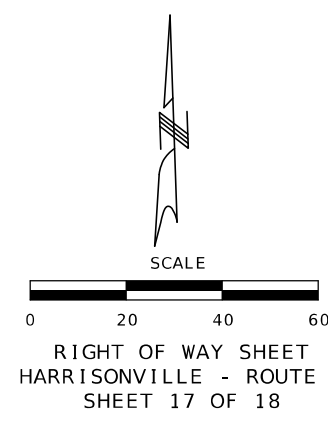
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-643-3161
FAX 572-643-3162
WWW.BARTLETTWEST.COM

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

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



	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
59

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/059_RW_J4P3268D_i20.dgn 10:56:31 AM 2/29/2024

MCLAIN, HOLLY R
& ROYCE J
NO ACQUISITION

FIELDS, JASON
NO ACQUISITION

DICKEY FUNERAL HOMES
NO ACQUISITION

560

EXIST. R/W

EXIST. R/W

EXIST. R/W

S52°50'29"W

ROUTE 7 (E MECHANIC STREET)

EXIST. R/W

EXIST. R/W

EXIST. R/W

MATCHLINE STA. 562+70.00

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L LANDING

R RAMP

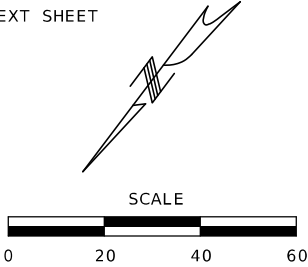
S SIDEWALK

T TRANSITION

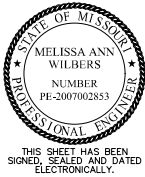
THUNDERBIRD INVESTORS
C/O YARCO COMPANIES
NO ACQUISITION

NW 1/4 NE 1/4
S3 T44N R31W

22
LUTHERAN CHURCH OUR SAVIOR WELS
SEE NEXT SHEET



RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 7
SHEET 1 OF 4



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 61
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

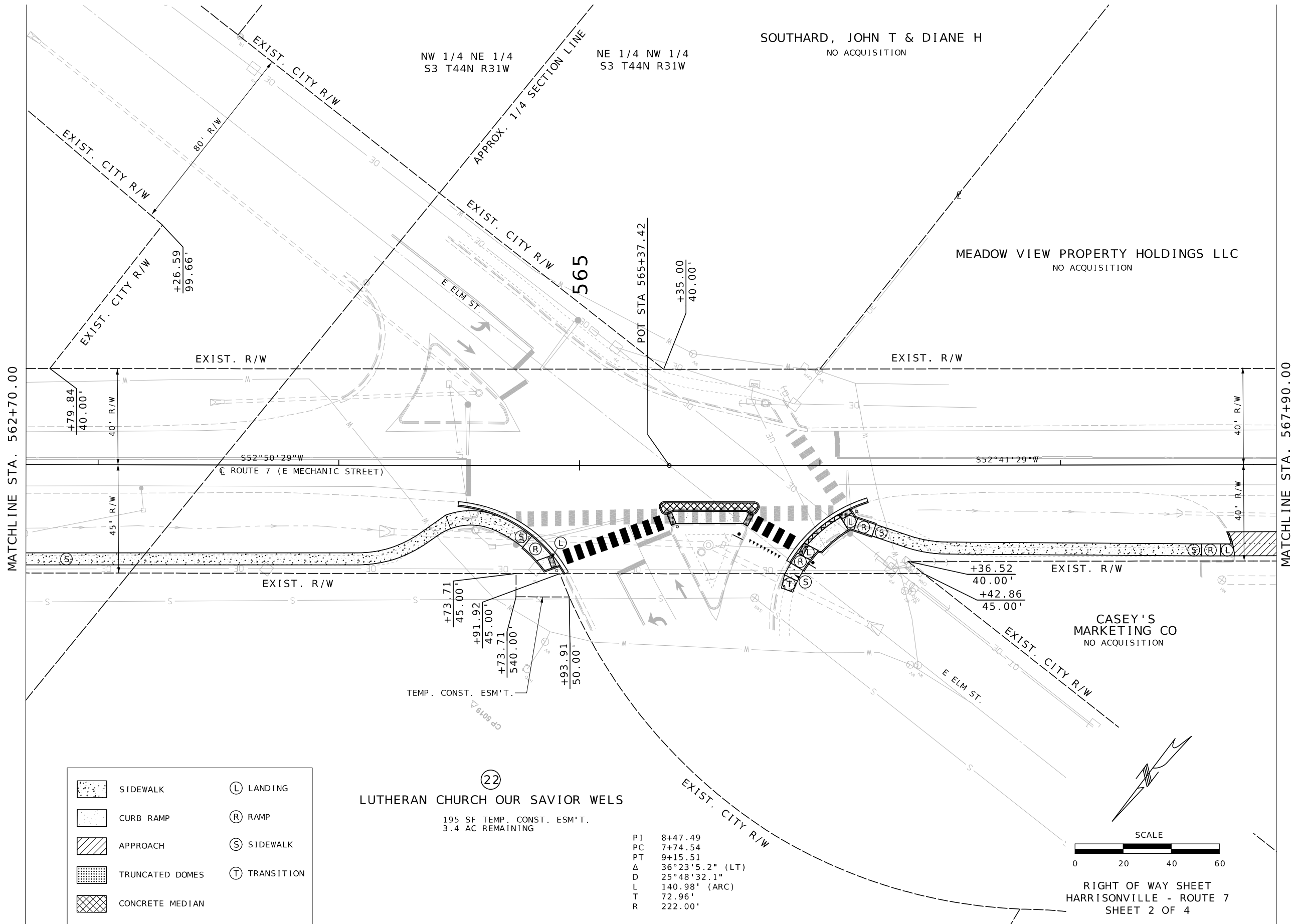
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West

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PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

(22)
LUTHERAN CHURCH OUR SAVIOR WELS
195 SF TEMP. CONST. ESM'T.
3.4 AC REMAINING

PI 8+47.49
PC 7+74.54
PT 9+15.51
Δ 36°23'5.2" (LT)
D 25°48'32.1"
L 140.98' (ARC)
T 72.96'
R 222.00'

SCALE

0 20 40 60

RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 7
SHEET 2 OF 4

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 62

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

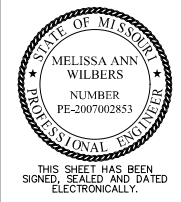
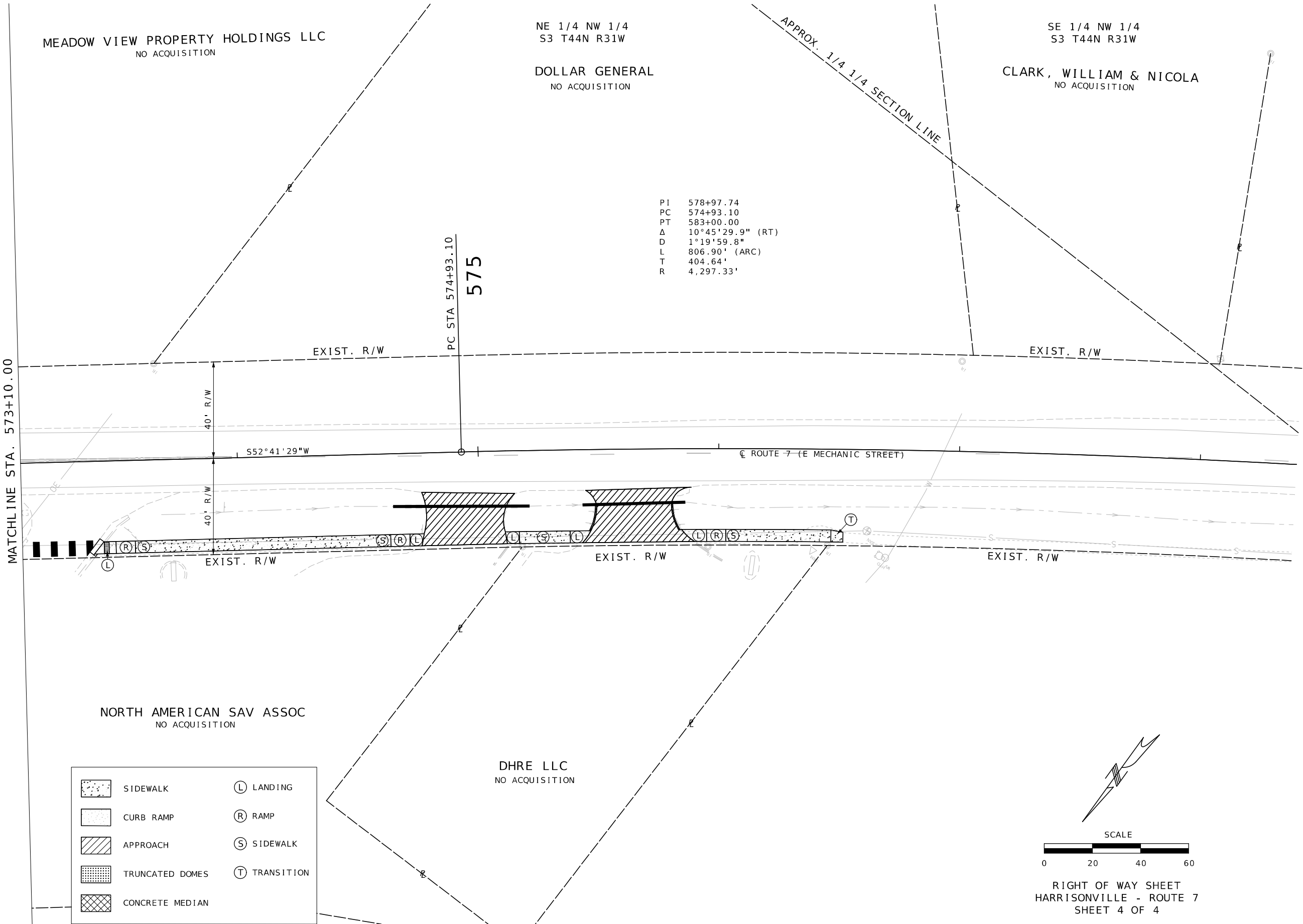
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 64
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

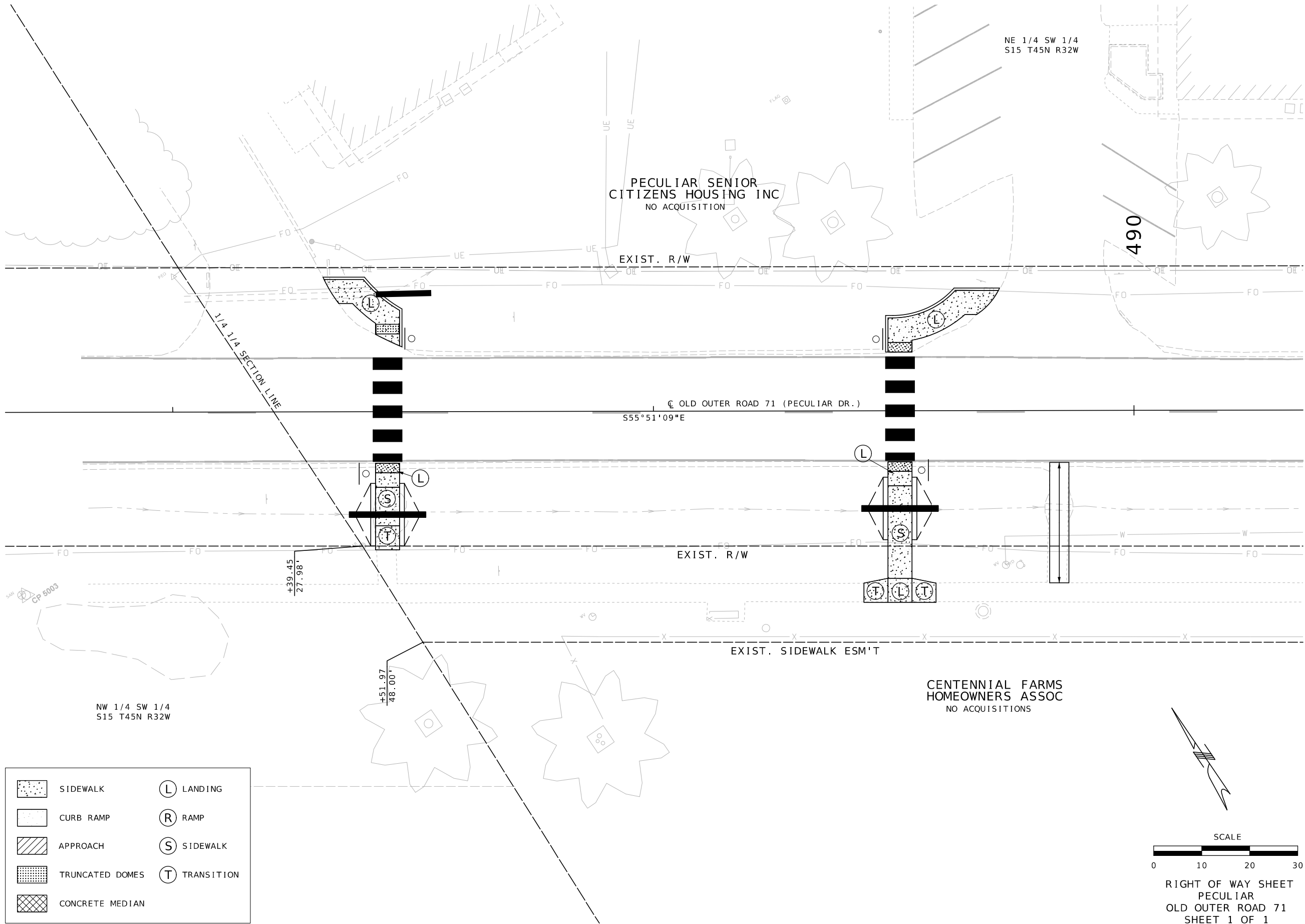
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

SCALE

0

10

20

30

RIGHT OF WAY SHEET
PECULIAR
OLD OUTER ROAD 71
SHEET 1 OF 1

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER
PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
65

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

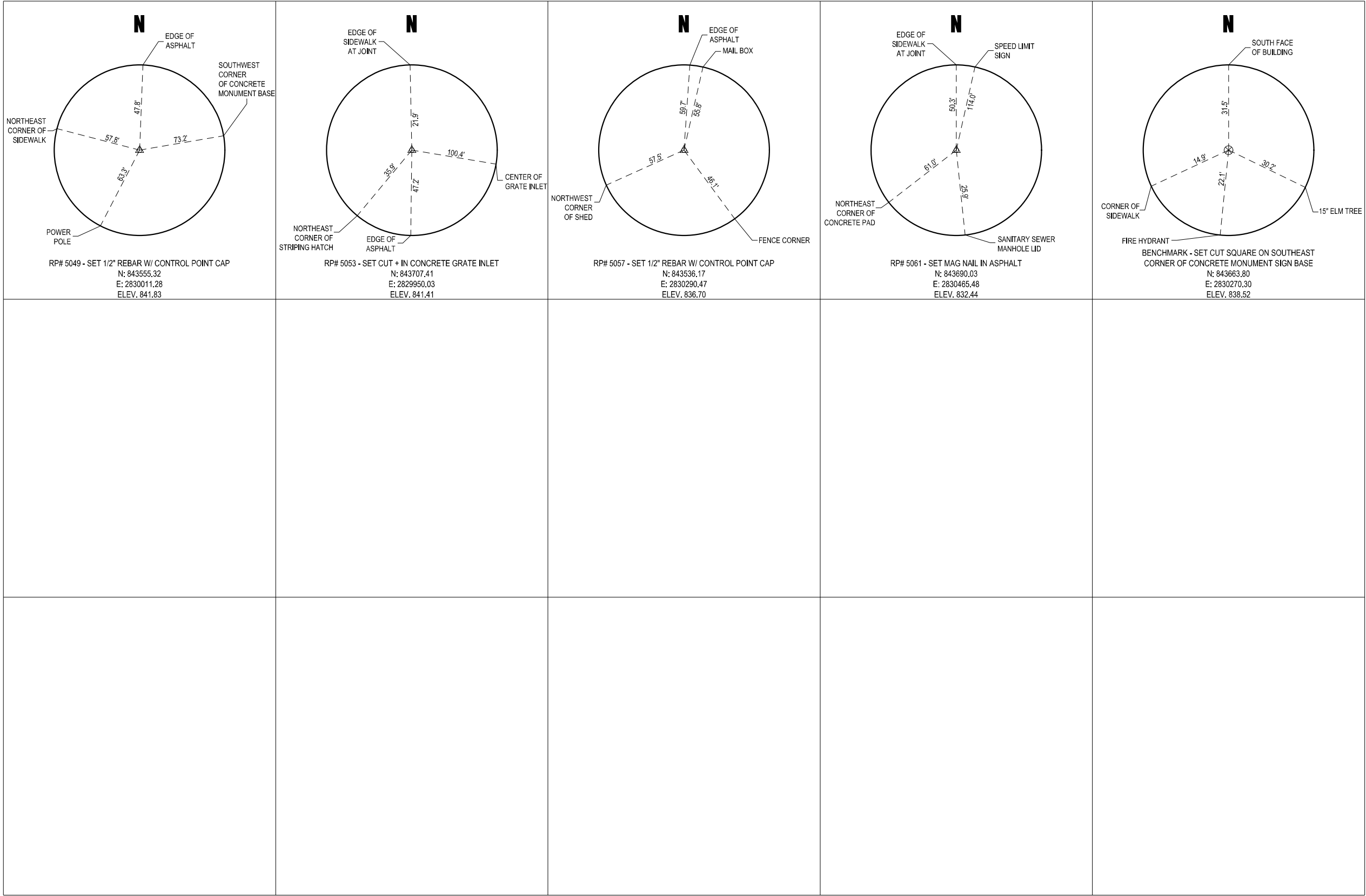
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/065_RW_J4P3268D_i10.dgn 10:57:28 AM 2/29/2024



MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00009141 = MODIFIED GROUND COORDINATES

ARCHIE
REFERENCE POINTS
SHEET 1 OF 6

DATE PREPARED
2/29/2024

ROUTE
VAR

DISTRICT
KC

STATE
MO

SHEET NO.
66

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

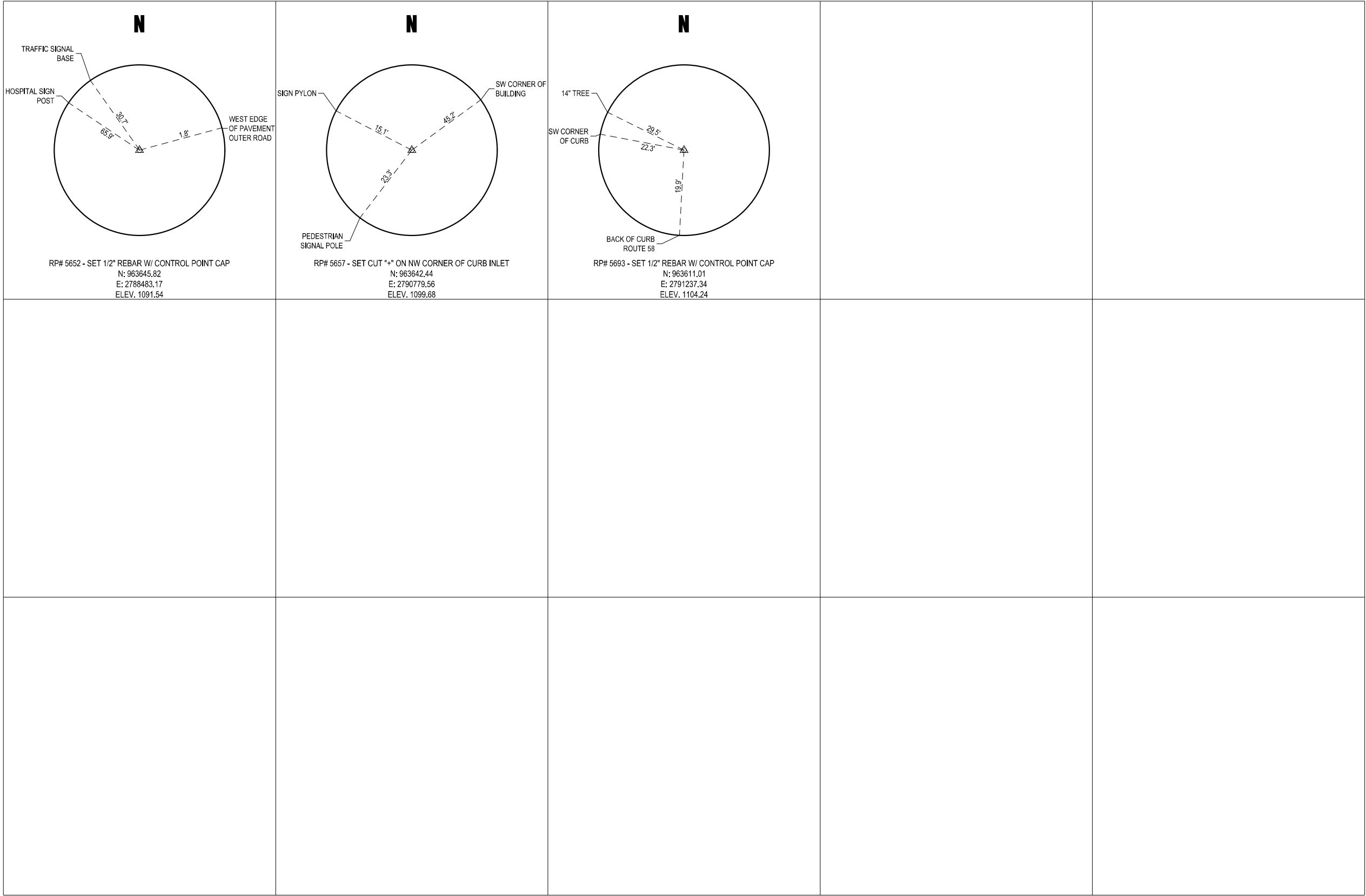
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/066_RP_J4P3268D_11-Archie.dgn 10:57:37 AM 2/29/2024



MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00010581 = MODIFIED GROUND COORDINATES

BELTON
REFERENCE POINTS
SHEET 2 OF 6

STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-2007002853
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2 / 29 / 2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 67

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

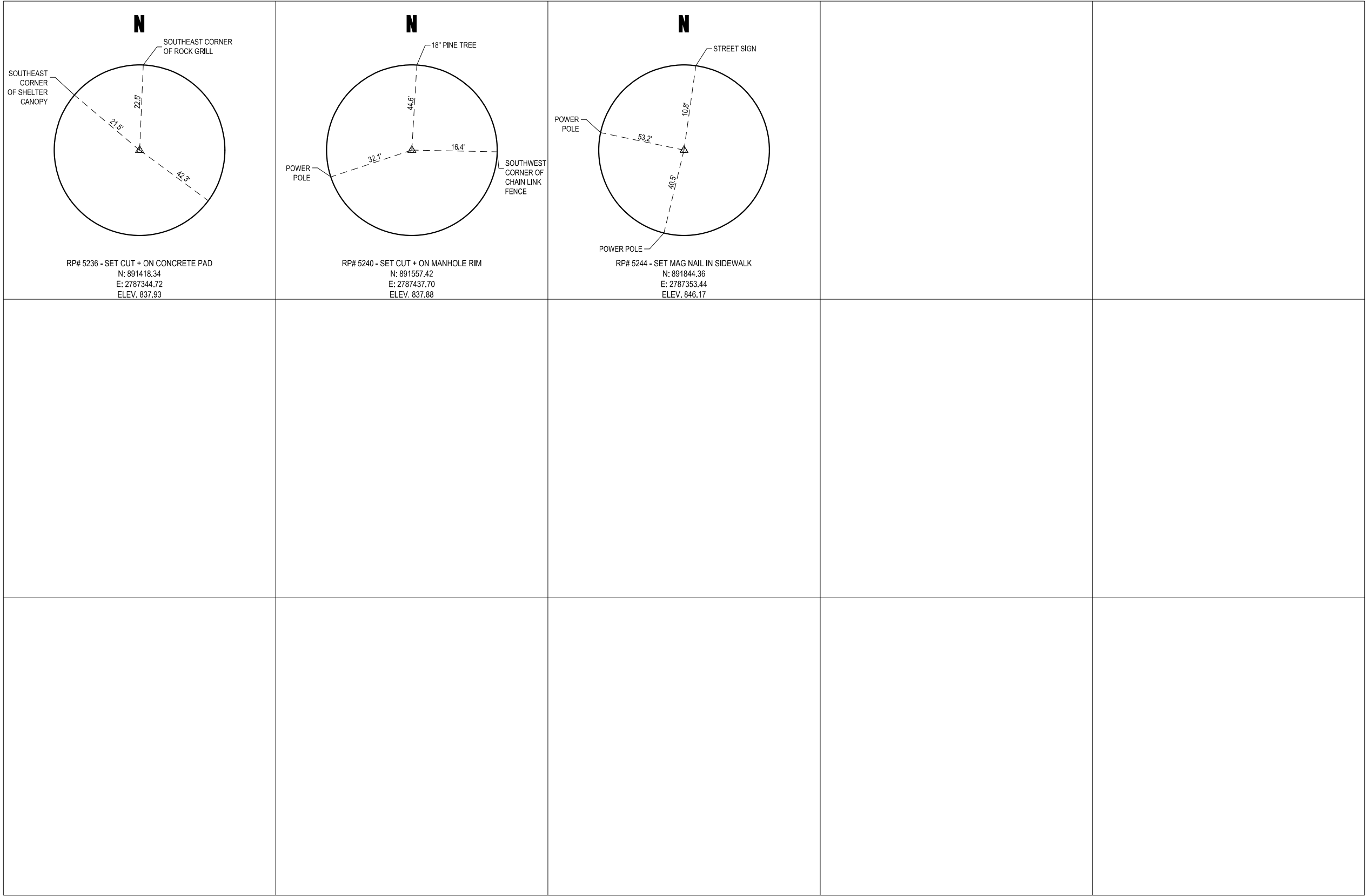
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00009351 = MODIFIED GROUND COORDINATES

FREEMAN
REFERENCE POINTS
SHEET 3 OF 6

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 68
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

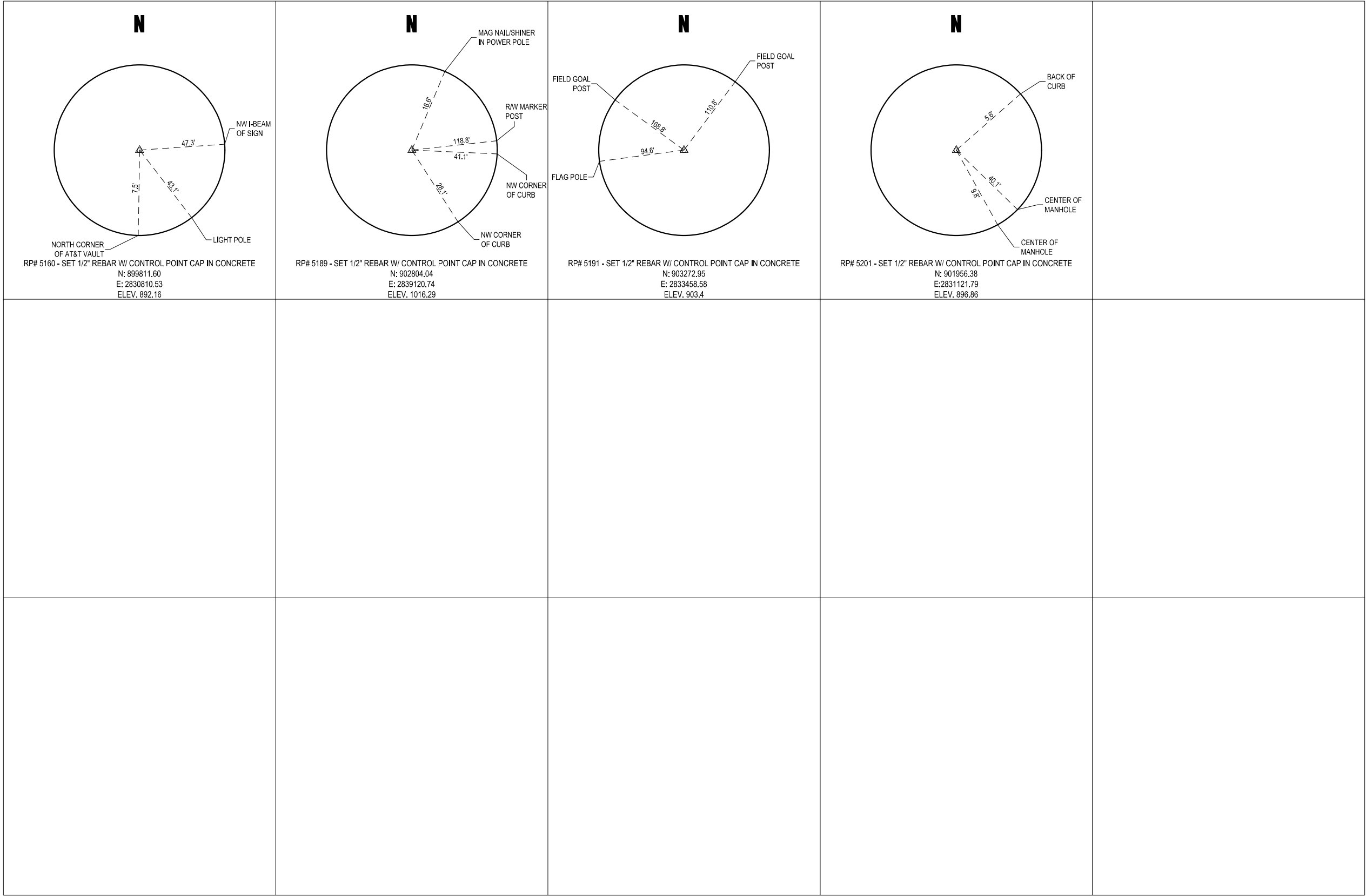
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00009541 = MODIFIED GROUND COORDINATES

HARRISONVILLE - ROUTE 2
REFERENCE POINTS
SHEET 4 OF 6

DATE PREPARED
2/29/2024

ROUTE
VAR

DISTRICT
KC

STATE
MO

SHEET NO.
69

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

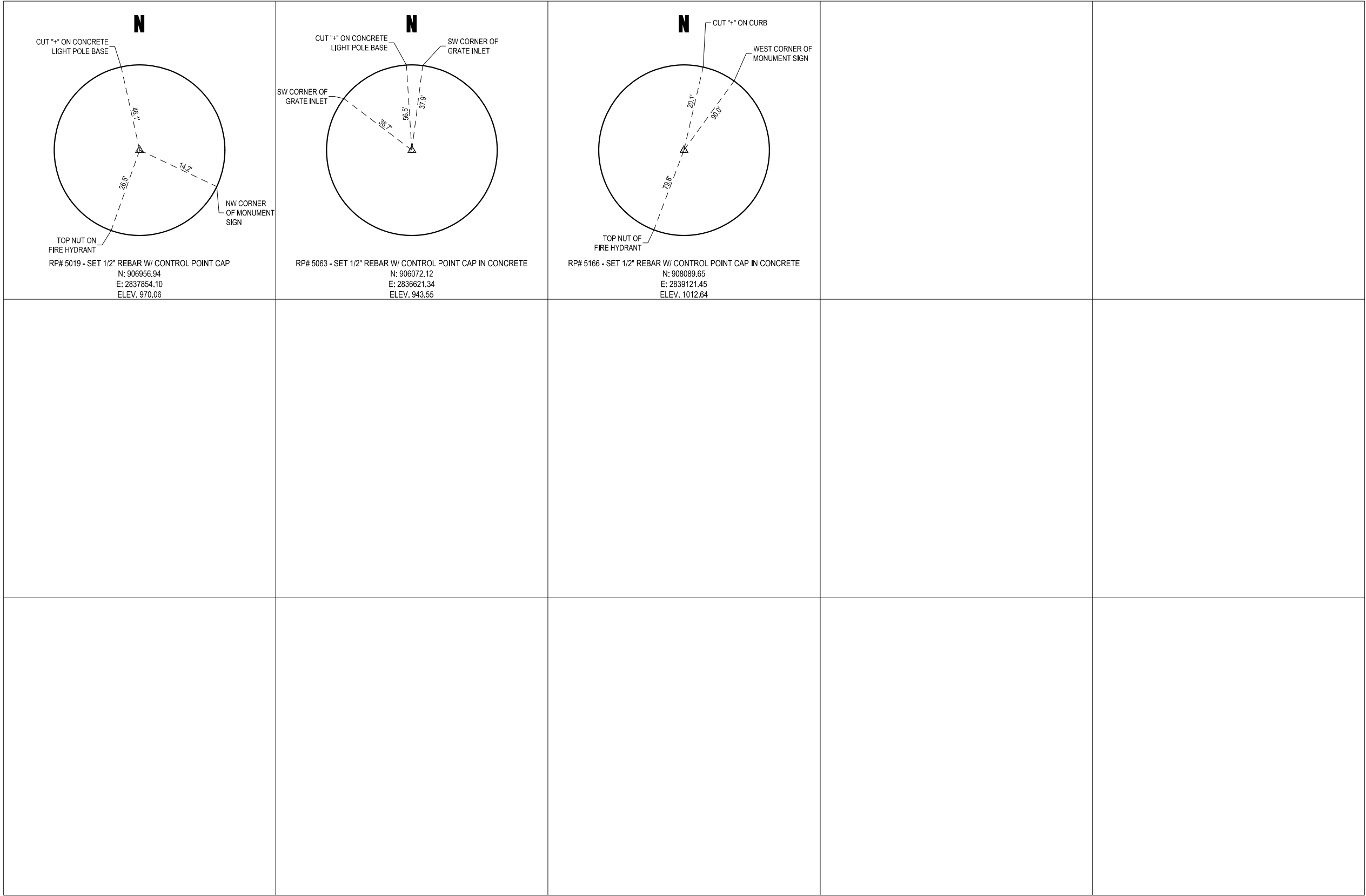
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00009541 = MODIFIED GROUND COORDINATES

HARRISONVILLE - ROUTE 7
REFERENCE POINTS
SHEET 5 OF 6



STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-3007002853
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 70

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

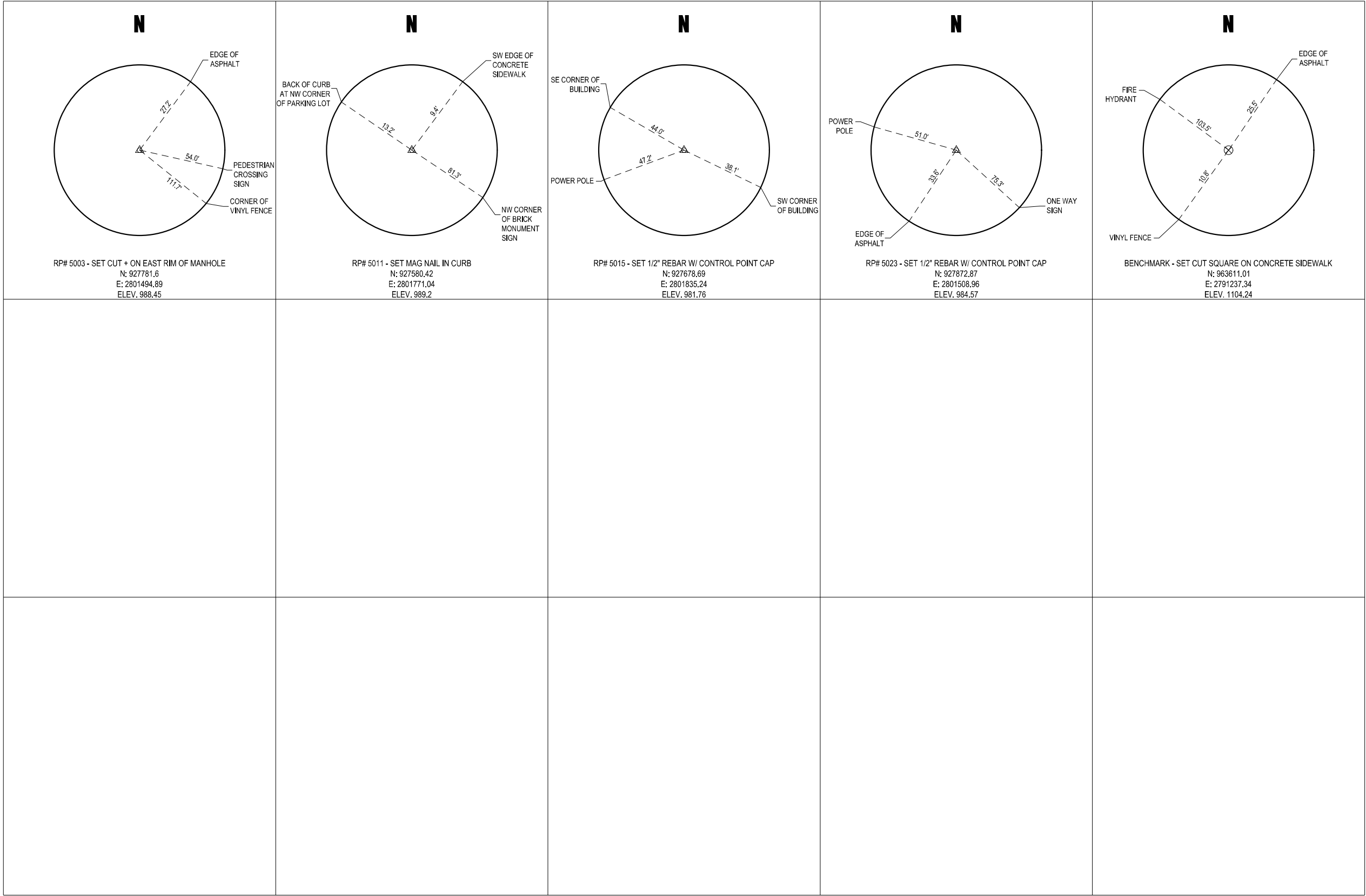
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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MISSOURI STATE PLANE COORDINATES WEST ZONE, NAD 1983
COORDINATES LISTED ARE STATE PLANE (GRID) PROJECT COORDINATES - U.S. SURVEY FEET
STATE PLANE (GRID) COORDINATES X 1.00009911 = MODIFIED GROUND COORDINATES

PECULIAR
REFERENCE POINTS
SHEET 6 OF 6

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 71

COUNTY
CASS

JOB NO.
J4P3268D

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)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI WEST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CASS COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS

PROJECT PROJECTION FACTOR	1.00009141
---------------------------	------------

REFERENCE	CONTROL	INFORMATION
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
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361	362	363
364	365	366
367		

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CA-126
DESIGNATION	CA-126
CORS_ID	XX
PID	37126
LATITUDE	38°28'46.11061"
LONGITUDE	94°20'26.48001"
NORTHING (M)	256681.08
EASTING (M)	863900.28
ZONE	WEST

PROJECT AVERAGE GRID FACTOR	0.99990860
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EXAMPLE OF PROJECT COORDINATE TO S.P.C.

```
PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING
```

EXAMPLE: CONTROL POINT #___
 N _____ X _____ = N _____
 E _____ X _____ = E _____

LINEAR UNIT CONVERSION

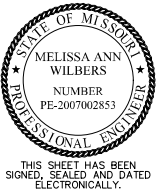
1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

[illegible]

ALIGNMENTS

ROUTE A

[illegible]

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 72

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

COMMISSION



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

Bartlett & West

601 MONROE ST, SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000467 - ENGINEERING
WWW.BARTLETTWEST.COM

ARCHIE
COORDINATE POINT SHEET
SHEET 1 OF 6

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI WEST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CASS COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS

PROJECT PROJECTION FACTOR	1.00009351
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REFERENCE	CONTROL	INFORMATION
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COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CA-94
DESIGNATION	CA-94
CORS_ID	XX
PID	37094
LATITUDE	38°36'59.76034"
LONGITUDE	94°29'15.65327"
NORTHING (M)	271890.04
EASTING (M)	851072.78
ZONE	WEST

PROJECT AVERAGE GRID FACTOR	0.9999065
-----------------------------	-----------

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

```
PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING
```

EXAMPLE: CONTROL POINT #___
 N _____ X _____ = N _____
 E _____ X _____ = E _____

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

[illegible]

ALIGNMENTS

ROUTE 0

1	10+00.00	00.00	891705.71	2787378.05	00.00	BEGINNING OF PROJECT	B.P.
N/A	11+05.30	00.00	891600.49	2787374.16	00.00	POINT OF CURVATURE	P.C.
1	11+50.00	00.00	891556.18	2787378.76	00.00	END OF PROJECT	E.P.
N/A	11+36.42	00.00	891569.39	2787373.01	00.00	POINT OF INTERSECTION	P.I.
N/A	11+66.76	00.00	891540.15	2787383.66	00.00	POINT OF TANGENCY	P.T.

[illegible]

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO 74

COUNTY
CASS

CASS
JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

--	--	--	--	--	--

COMMISSION



Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

FREEMAN
COORDINATE POINT SHEET
SHEET 3 OF 6

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM

STATE PLANE, MISSOURI WEST

HORIZONTAL DATUM

NAD 1983

VERTICAL DATUM

NAVD 1988

GEOID MODEL

CASS COUNTY

ELEVATIONS DETERMINED BY

GPS OBSERVATIONS

PROJECT PROJECTION FACTOR

1.00009541

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM

NAD 1983

CONTROL STATION

CA-78

DESIGNATION

CA-78

CORS_ID

XX

PID

37078

LATITUDE

38°38'10.63388"

LONGITUDE

94°21'16.12012"

NORTHING (M)

274085.32

EASTING (M)

862669.61

ZONE

WEST

PROJECT AVERAGE GRID FACTOR

0.9999046

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING

PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING

EXAMPLE: CONTROL POINT #___

N _____._____ X _____._____ = N _____._____

E _____._____ X _____._____ = E _____._____

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
	A16+79.28	LT	80.44	899811.60	2830810.53	892.16	1/2" REBAR W/ CONTROL POINT CAP	5160
	70+58.45	RT	42.84	902804.04	2839120.74	1016.29	1/2" REBAR W/ CONTROL POINT CAP	5189
	13+82.88	LT	225.83	903272.95	2833458.58	903.40	1/2" REBAR W/ CONTROL POINT CAP	5191
	855+15.70	LT	24.27	901956.38	2831121.79	896.86	1/2" REBAR W/ CONTROL POINT CAP	5201
ALIGNMENTS								
ROUTE 2 - INDEPENDENCE ST.								
1	649+50.00		00.00	903194.87	2832073.34	00.00	BEGINNING OF PROJECT	B.P.
1	650+44.60		00.00	903100.34	2832069.71	00.00	POINT ON TANGENT	P.O.T.
1	650+46.20		00.00	903098.74	2832069.64	00.00	INTERSECTION WITH SOUTH ST.	P.I.
3	658+39.56		00.00	902305.63	2832049.78	00.00	POINT OF CURVATURE	P.C.
3	661+29.95		00.00	902015.33	2832042.51	00.00	POINT OF INTERSECTION	P.I.
4	663+38.12		00.00	901940.48	2831761.94	00.00	POINT OF TANGENCY	P.T.
5	668+73.38		00.00	901802.50	2831244.77	00.00	END OF PROJECT	E.P.
5	668+73.38		00.00	901802.50	2831244.77	00.00	INTERSECTION WITH COMMERCIAL ST.	P.I.
ROUTE 2 - COMMERCIAL ST.								
N/A	854+00.00		00.00	902056.92	2831060.77	00.00	BEGINNING OF PROJECT	B.P.
N/A	855+00.00		00.00	901984.10	2831129.31	00.00	POINT OF CURVATURE	P.C.
5	857+16.48		00.00	901802.50	2831244.77	00.00	INTERSECTION WITH INDEPENDENCE ST.	P.I.
5	857+37.15		00.00	901811.43	2831294.84	00.00	POINT OF INTERSECTION	P.I.
5	859+49.70		00.00	901574.38	2831285.16	00.00	POINT OF TANGENCY	P.T.
7	867+70.41		00.00	900754.03	2831260.50	00.00	STATION BACK	B.K.
7	A5+82.40		00.00	900754.03	2831260.50	00.00	STATION AHEAD	A.H.
7	A5+82.40		00.00	900754.03	2831260.50	00.00	CHANGE FROM TANGENT TO SPIRAL CURVE	T.S.
7	A8+82.40		00.00	900455.06	2831238.56	00.00	CHANGE FROM CIRCULAR TO SPIRAL CURVE	S.C.
8	A13+40.79		00.00	900029.00	2831077.93	00.00	CHANGE FROM SPIRAL TO CIRCULAR CURVE	C.S.
9	A16+04.79		00.00	899789.96	2830897.03	00.00	SHORT TANGENT	S.T.
9	A18+00.00		00.00	899667.31	2830795.52	00.00	END OF PROJECT	E.P.
N/A	A18+43.31		00.00	899633.95	2830767.90	00.00	POINT OF INTERSECTION	P.I.
ROUTE 2 - SOUTH ST.								
1	00+01.39		00.00	903098.74	2832069.64	00.00	INTERSECTION WITH INDEPENDENCE ST.	P.I.
1	00+01.39		00.00	903098.74	2832069.64	00.00	BEGINNING OF PROJECT	B.P.
N/A	20+45.90		00.00	903022.58	2834112.73	00.00	POINT ON TANGENT	P.O.T.
14	32+09.30		00.00	902976.91	2835275.23	00.00	POINT ON TANGENT	P.O.T.
16	44+00.00		00.00	902936.68	2836465.25	00.00	END OF PROJECT	E.P.
N/A	49+34.86		00.00	902918.61	2836999.81	00.00	POINT OF INTERSECTION	P.I.

HARRISONVILLE - ROUTE 2
COORDINATE POINT SHEET
SHEET 4 OF 6

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

2/29/2024

ROUTE

VAR

STATE

MO

DISTRICT

KC

SHEET NO.

75

COUNTY

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-634-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/075_CP_J4P3268D_I1-Harrisonville_Route_2.dgn 10:59:04 AM 2/29/2024

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI WEST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CASS COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS

PROJECT PROJECTION FACTOR	1.00009541
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REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CA-78
DESIGNATION	CA-78
CORS_ID	XX
PID	37078
LATITUDE	38°38'10.63388"
LONGITUDE	94°21'16.12012"
NORTHING (M)	274085.32
EASTING (M)	862669.61
ZONE	WEST

PROJECT AVERAGE GRID FACTOR	0.9999046
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EXAMPLE OF PROJECT COORDINATE TO S.P.C.

```
PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING
```

EXAMPLE: CONTROL POINT #___
 N _____ X _____ = N _____
 E _____ X _____ = E _____

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

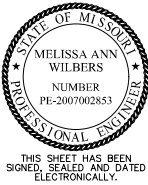
COORDINATE POINT LISTING

[illegible]

ALIGNMENTS

ROUTE 7

N/A	554+00.00	00.00	907530.71	2838743.33	00.00	POINT OF INTERSECTION	P.I.
N/A	556+36.20	00.00	907373.20	2838567.68	00.00	POINT OF TANGENCY	P.T.
1	557+50.00	00.00	907304.46	2838476.98	00.00	BEGINNING OF PROJECT	B.P.
2	565+37.42	00.00	906828.84	2837849.44	00.00	POINT ON TANGENT	P.O.T.
4	574+93.10	00.00	906249.60	2837089.30	00.00	POINT OF CURVATURE	P.C.
4	577+00.00	00.00	905966.82	2836668.96	00.00	END OF PROJECT	E.P.
N/A	583+00.00	00.00	905823.47	2836405.49	00.00	POINT ON TANGENT	P.O.T.

[illegible]

DATE PREPARED

2 / 29 / 2024

VAR	MO
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DISTRICT	SHEET NO.
KC	76

COUNTY

CASS
JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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MISSOURI DEPARTMENT OF TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

HARRISONVILLE - ROUTE 7
COORDINATE POINT SHEET
SHEET 5 OF 6

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	STATE PLANE, MISSOURI WEST
HORIZONTAL DATUM	NAD 1983
VERTICAL DATUM	NAVD 1988
GEOID MODEL	CASS COUNTY
ELEVATIONS DETERMINED BY	GPS OBSERVATIONS

PROJECT PROJECTION FACTOR	1.00009911
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REFERENCE	CONTROL	INFORMATION
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361	362	363
364	365	366
367		

COORDINATE SYSTEM	NAD 1983
CONTROL STATION	CA-57
DESIGNATION	CA-57
CORS_ID	XX
PID	37057
LATITUDE	38°42'58.63132"
LONGITUDE	94°25'08.13749"
NORTHING (M)	282958.539
EASTING (M)	857050.602
ZONE	WEST

PROJECT AVERAGE GRID FACTOR	0.9999009
-----------------------------	-----------

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

```
PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING
```

EXAMPLE: CONTROL POINT #__

N _____ X _____ = N _____

E _____ X _____ = E _____

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

[illegible]

ALIGNMENTS

OLD OUTER ROAD 71

1	486+00.00		00.00	927908.18	2801376.00	00.00	BEGINNING OF PROJECT	B.P.
N/A	487+00.00		00.00	927852.05	2801458.77	00.00	POINT OF INTERSECTION	P.I.
1	492+00.00		00.00	927683.65	2801707.05	00.00	END OF PROJECT	E.P.
N/A	492+00.00		00.00	927571.39	2801872.57	00.00	POINT OF INTERSECTION	P.I.

[illegible]

DATE PREPARED
3/20/2024

ROUTE	STATE
-------	-------

VAR	MO
DISTRICT	SHEET NO

KC	77
COUNTY	

CASS

J4P3268D

CONTRACT ID:

PROJECT NO.

BRIDGE NO.

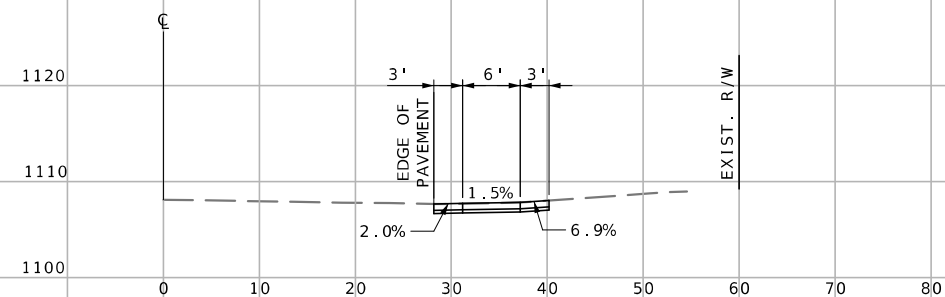
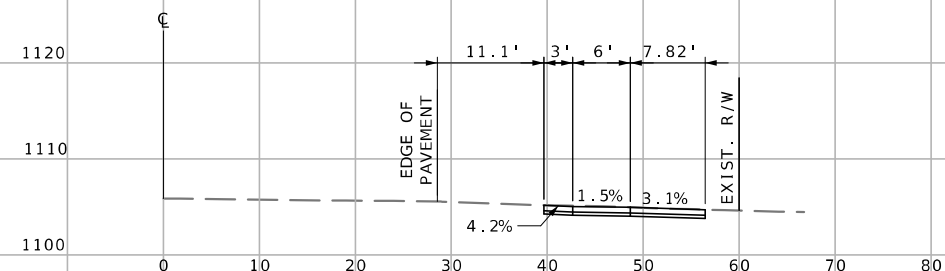
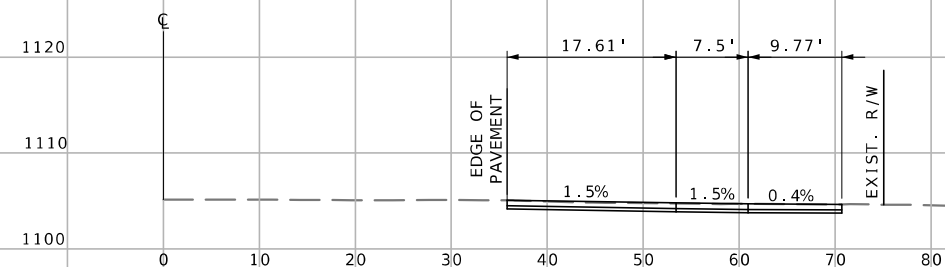
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MISSOURI DEPARTMENT OF TRANSPORTATION
COMMISSION

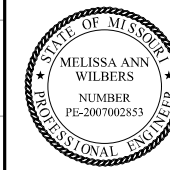
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

PECULIAR
COORDINATE POINT SHEET
SHEET 6 OF 6



DRIVE PROFILES
SPECIAL SHEETS
BELTON - ROUTE 58
SHEET 1 OF 6



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE	STATE
VAR	MO

DISTRICT	SHEET N
KC	78

COUNTY
CASS

JOB NO.
14P3268D

CONTRACT ID.

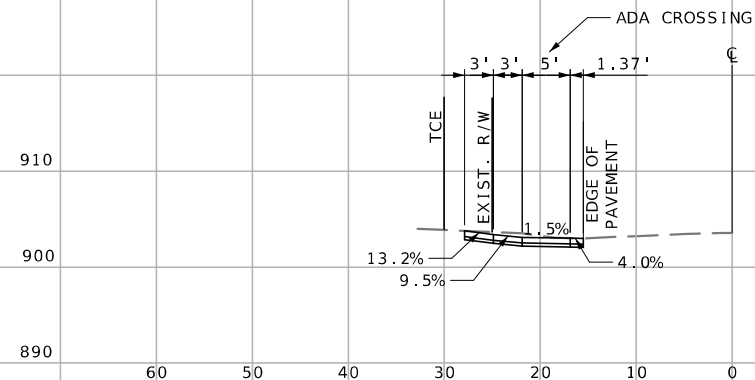
PROJECT NO.

BRIDGE NO.

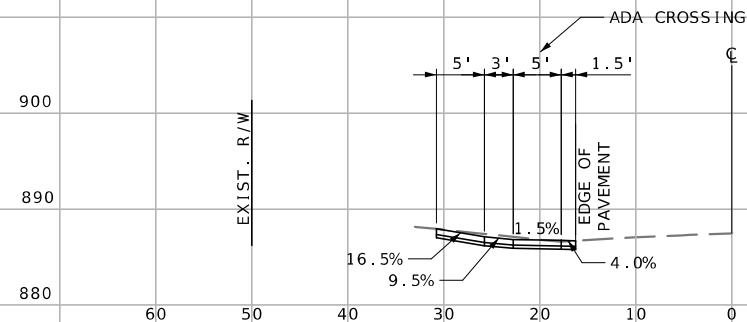
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Bartlett & West

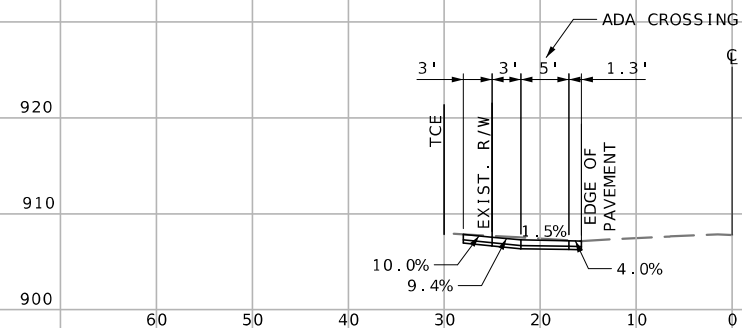
301 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



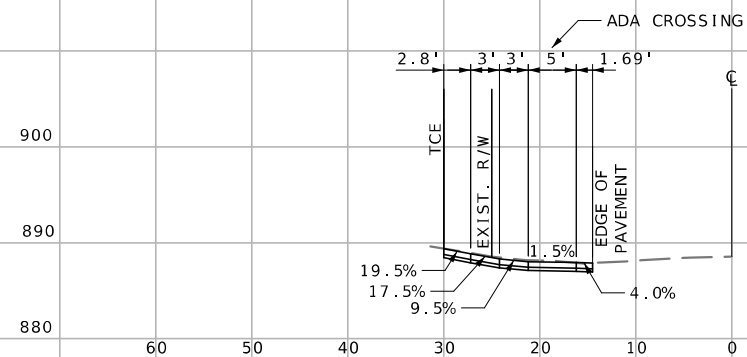
STA. 653+33.91	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



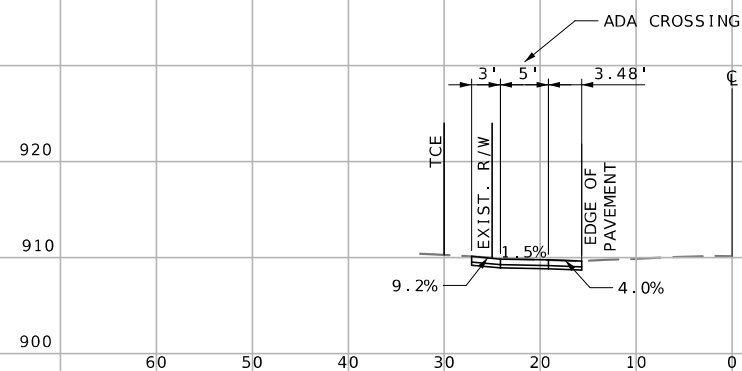
STA. 657+52.42	
ROUTE 2	
7" PCC PE LT.	
NO PIPE	



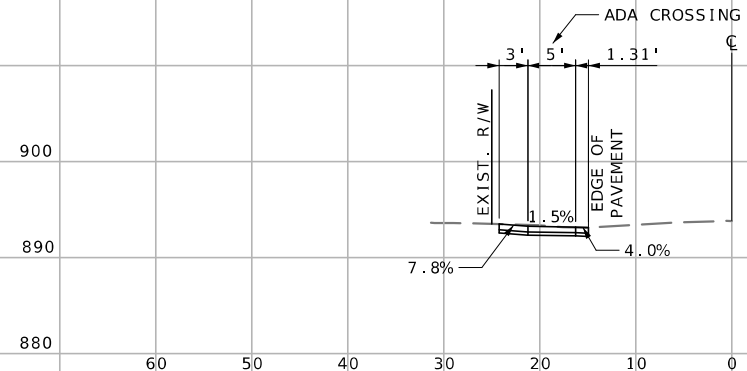
STA. 652+24.95	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



STA. 656+92.05	
ROUTE 2	
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NO PIPE	

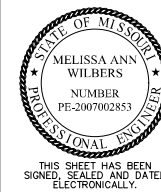


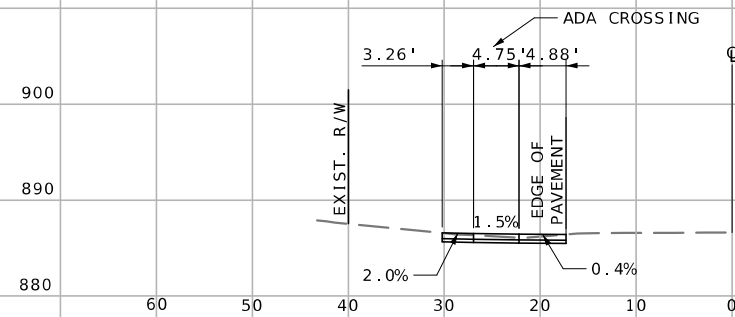
STA. 651+39.45	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



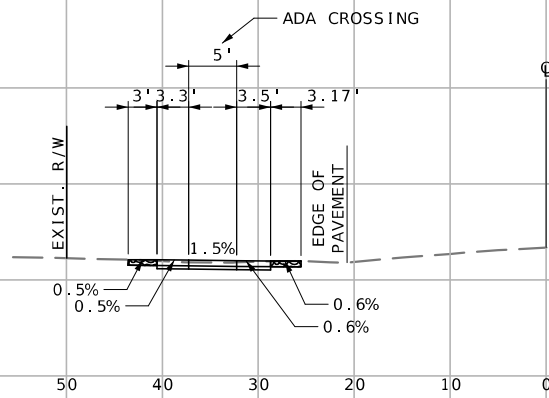
STA. 655+35.82	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	

DRIVE PROFILES
SPECIAL SHEETS
HARRISONVILLE - ROUTE 2
SHEET 2 OF 6

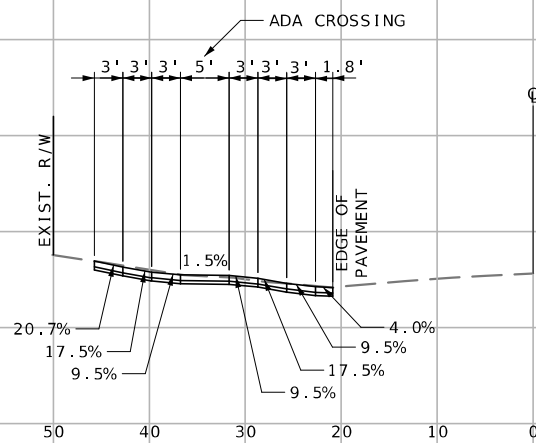




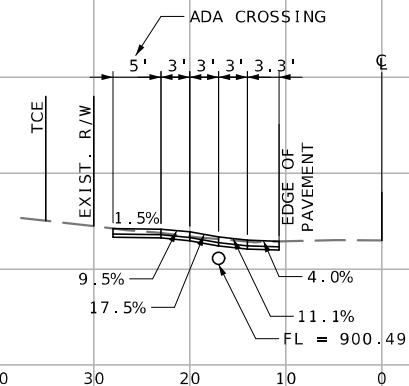
STA. 666+05.02
ROUTE 2
7" PCC PE LT.
NO PIPE



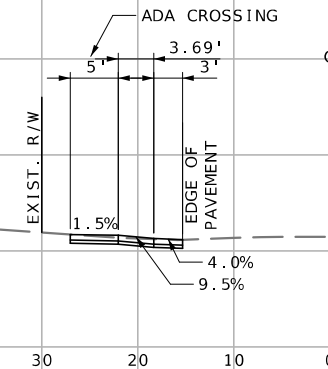
STA. 661+38.68	
ROUTE 2	
7" PCC PE LT.	
NO PIPE	



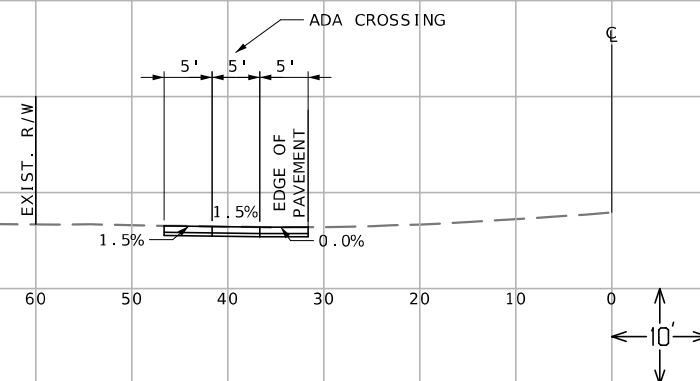
STA. 659+04.03
ROUTE 2
7" PCC PE LT.
NO PIPE



STA. 4+48.98			
ROUTE 2			
7" PCC PE LT.			
15"X41' GROUP	C PIPE		

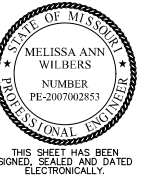


STA. 1+57.43	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



STA.	9+76.46
ROUTE	2
	8" PCC CE LT.
	NO PIPE

DRIVE PROFILES
SPECIAL SHEETS
HARRISONVILLE - ROUTE 2
SHEET 3 OF 6



DATE PREPARED
2/29/2024

ROUTE	STATE
WAR	MO

DISTRICT	SHEET NO.
KC	80

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

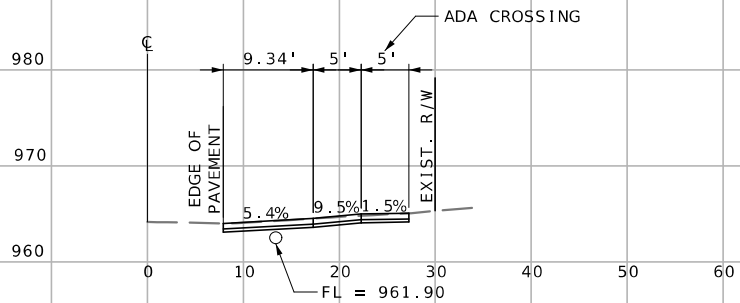
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COMMISSION

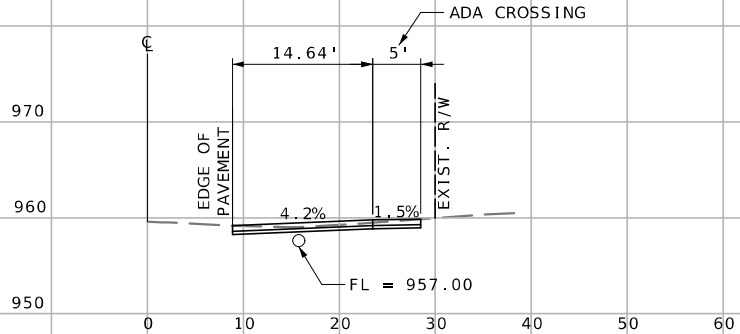


Bartlett & West

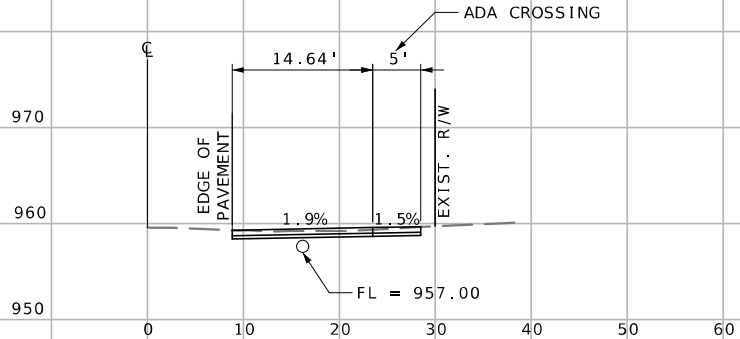
PHONE 573-634-3181
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 WWW.BARTLETTTWE.COM



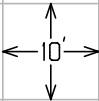
STA. 42+98.03
ROUTE 2
7" PCC CE RT.
15"X32' GROUP C PIPE



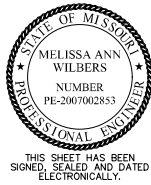
STA. 37+29.30
ROUTE 2
7" PCC CE RT.
15"X39' GROUP C PIPE



STA. 36+79.89
ROUTE 2
7" PCC CE RT.
15"X29' GROUP C PIPE



DRIVE PROFILES
SPECIAL SHEETS
HARRISONVILLE - ROUTE 2
SHEET 5 OF 6



DATE PREPARED
2/29/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
KC 82

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

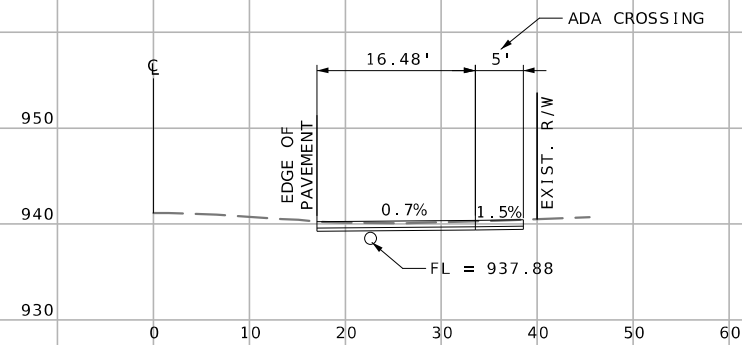
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

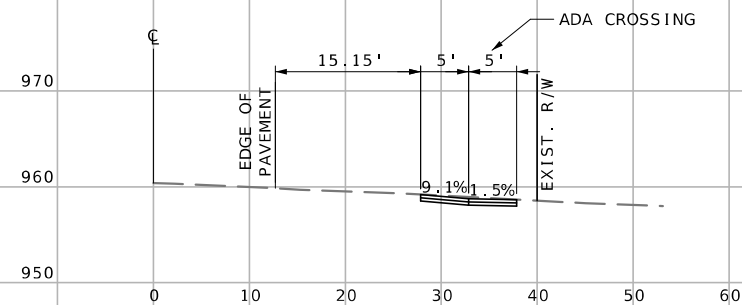
Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-664-3161
FAX 572-664-3162
WWW.BARTLETTWEST.COM

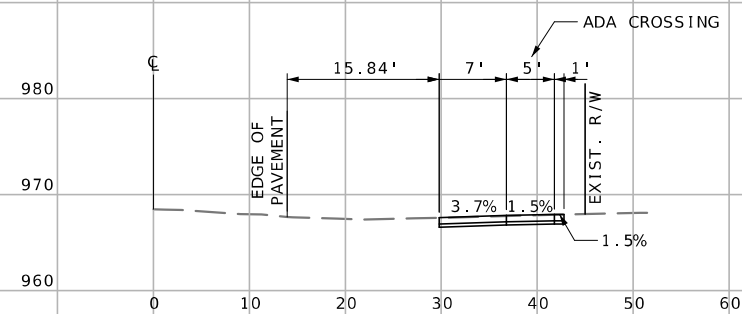
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



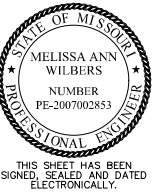
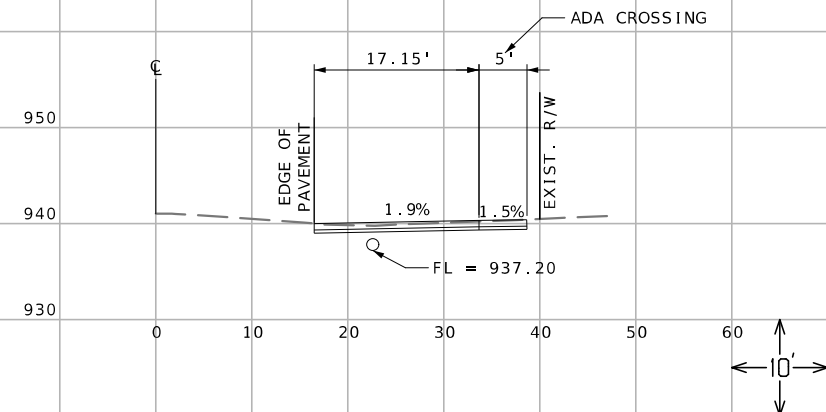
STA. 574+95.48	
ROUTE 7	
8" PCC CE RT.	
15"X57' GROUP C PIPE	



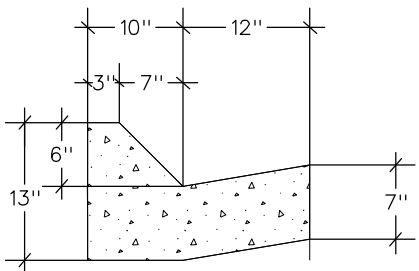
STA. 567+90.04	
ROUTE 7	
8" PCC CE RT.	
UIP PIPE	



STA. 561+61.84	
ROUTE 7	
8" PCC CE RT.	
UIP PIPE	



MODIFIED TYPE A CURB AND GUTTER



DETAILED SHEETS
SHEET 1 OF 2

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Bartlett & West
501 MONROE ST., SUITE 201
JEROME CITY, MO 64601 2480

PHONE 573-634-3181
 CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
 WWW.BARTLETTWEST.COM



STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-2007002853
PROFESSIONAL ENGINEER

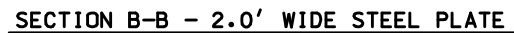
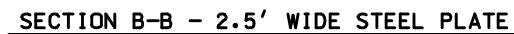
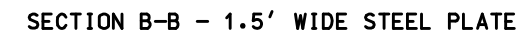
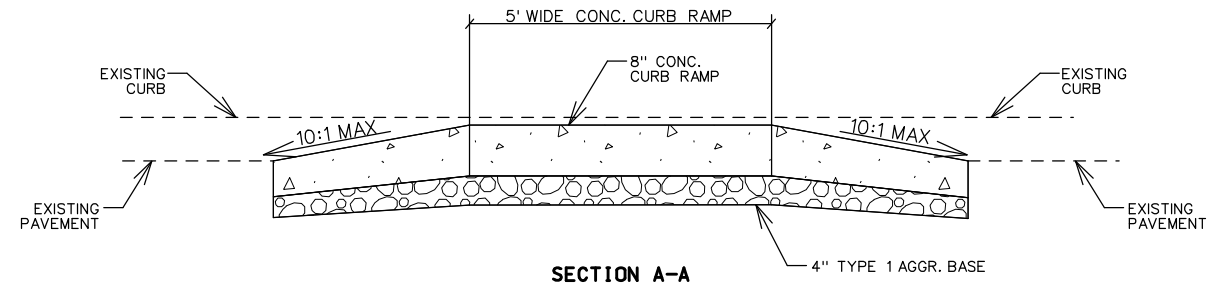
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	
2/29/2024	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	84
COUNTY	
CASS	
JOB NO.	
J4P3268D	
CONTRACT ID.	

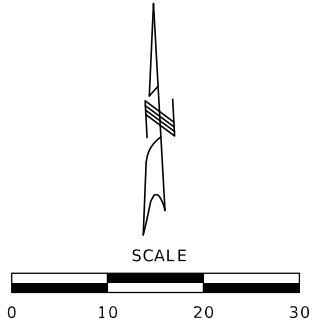
PROJECT NO.

THIS SHEET HAS BEEN
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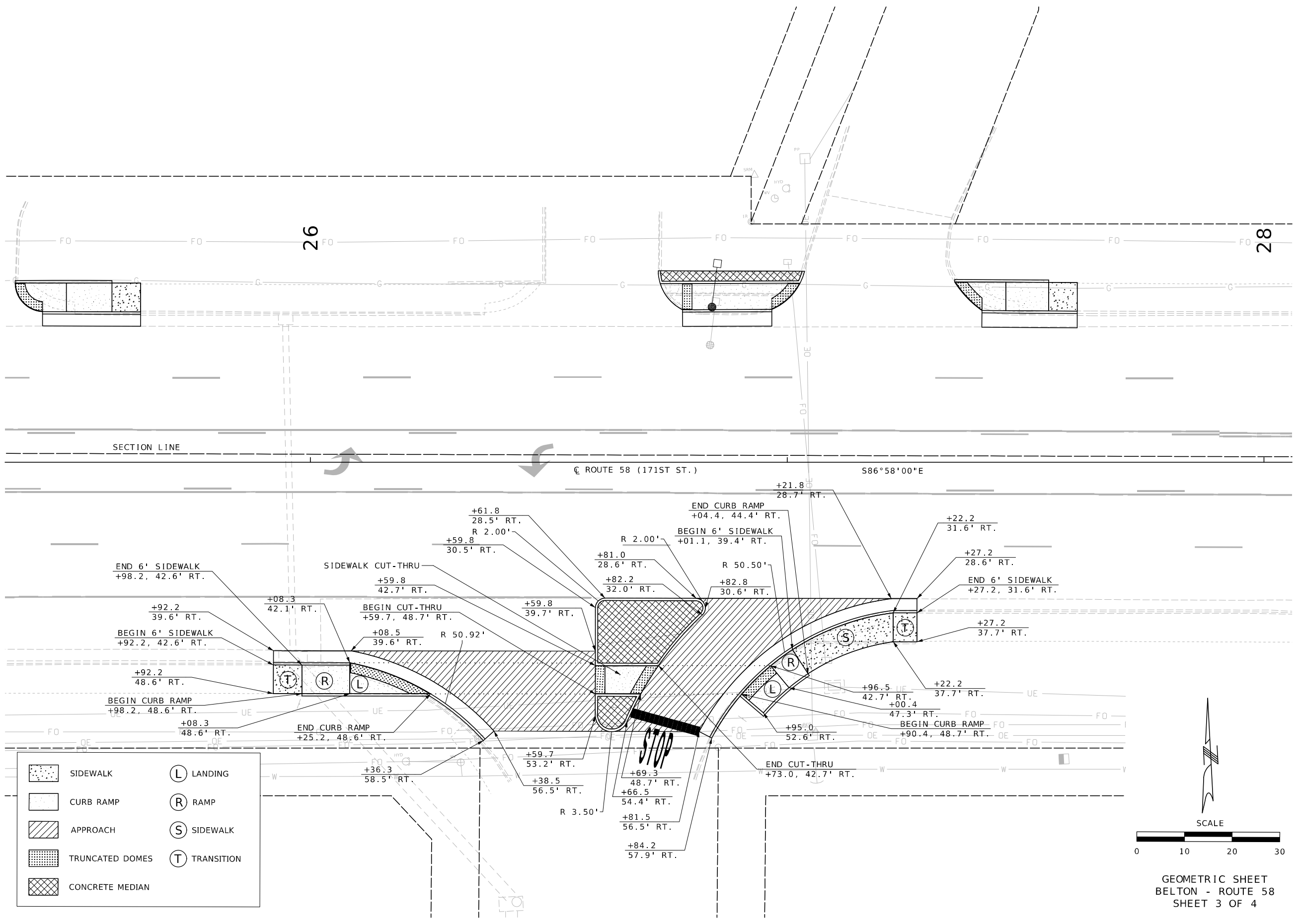
AM 2/29/2024



- DETAILED SHEETS
SHEET 2 OF 2



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



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

0

10

20

30

SCALE

GEOMETRIC SHEET

BELTON - ROUTE 58

SHEET 3 OF 4

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

2/29/2024

ROUTE

VAR

STATE

MO

DISTRICT

KC

SHEET NO.

88

COUNTY

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

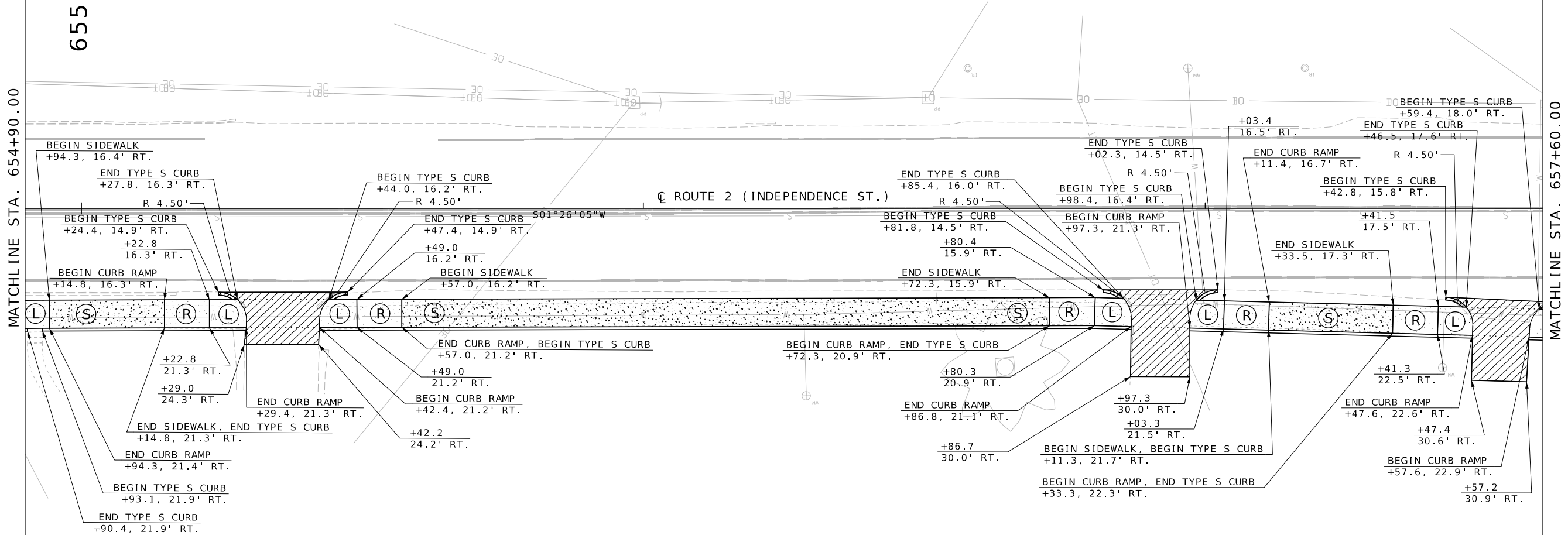
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
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FAX 572-634-3161
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CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/088_GM_J4P3268D_110.dgn 11:00:53 AM 2/29/2024



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

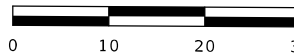
RAMP

S

SIDEWALK

T

TRANSITION


SCALE

0 10 20 30
GEOMETRIC SHEETS
HARRISONVILLE - ROUTE 2
SHEET 3 OF 12

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
92

COUNTY
CASS

JOB NO.
J4P3268D

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)

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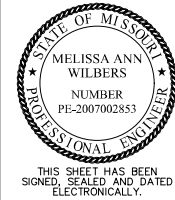
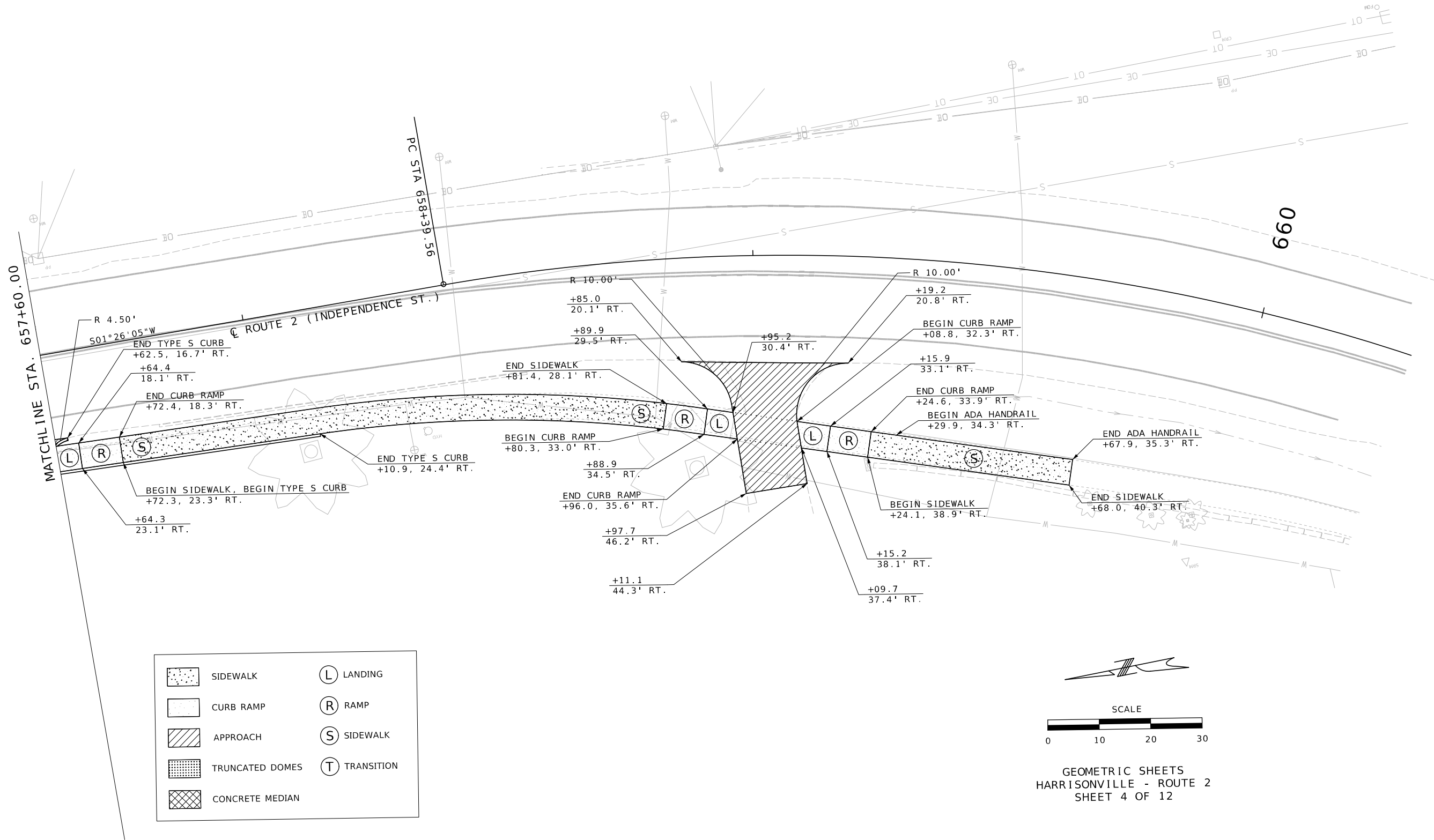
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PHONE 572-634-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

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pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/092_GM_J4P3268D_i10.dgn 11:01:49 AM 2/29/2024



DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
93

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

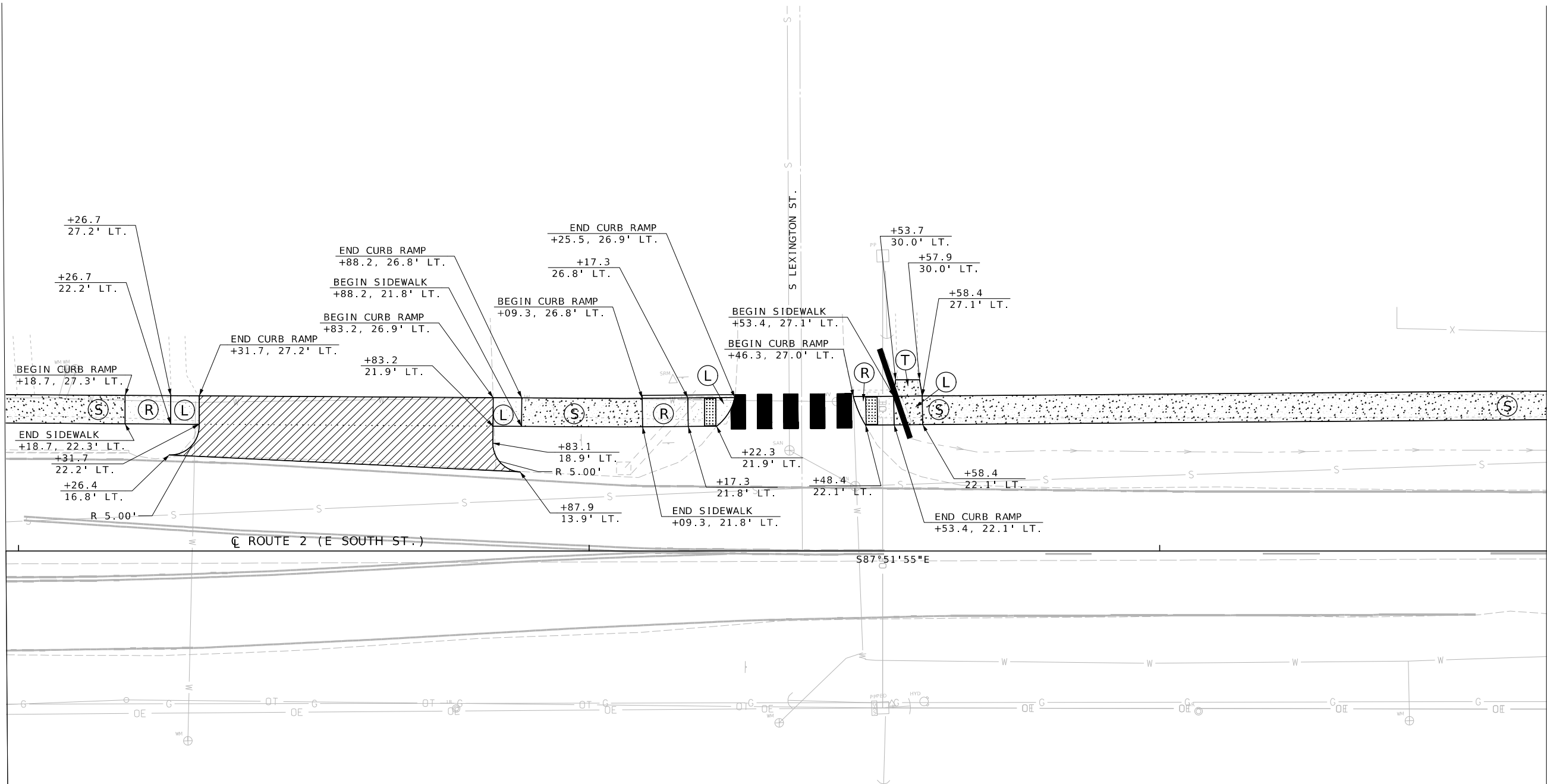
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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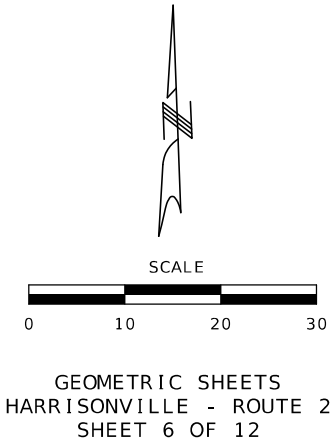
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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MATCHLINE (SEE SHEET 90) STA. 0+98.46



	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

MATCHLINE STA. 3+67.78



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 95
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

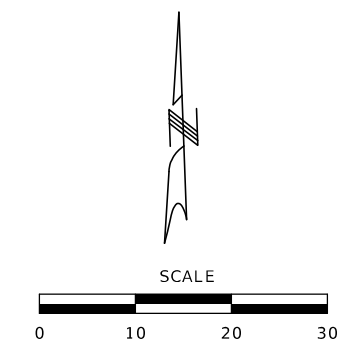
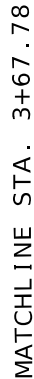
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-2007002853
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
KC	96

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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COMMISSION

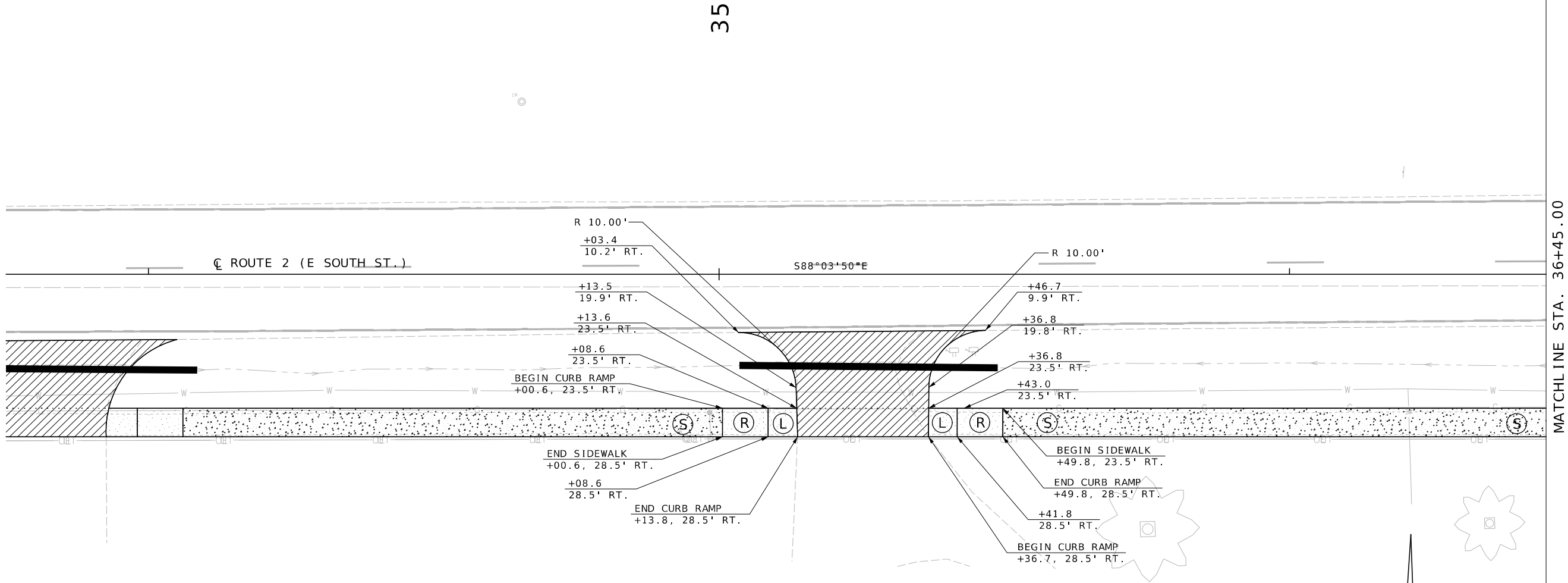


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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

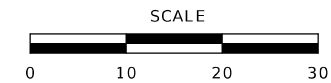
Bartlett & West

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PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

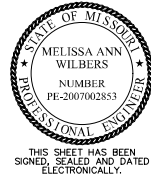
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



GEOMETRIC SHEET
HARRISONVILLE - ROUTE 2
SHEET 9 OF 12



DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
98

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

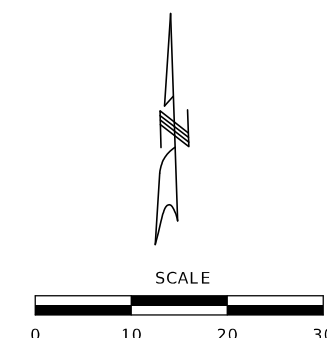
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

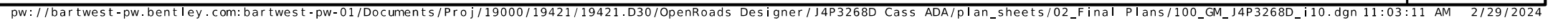
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

Bartlett & West

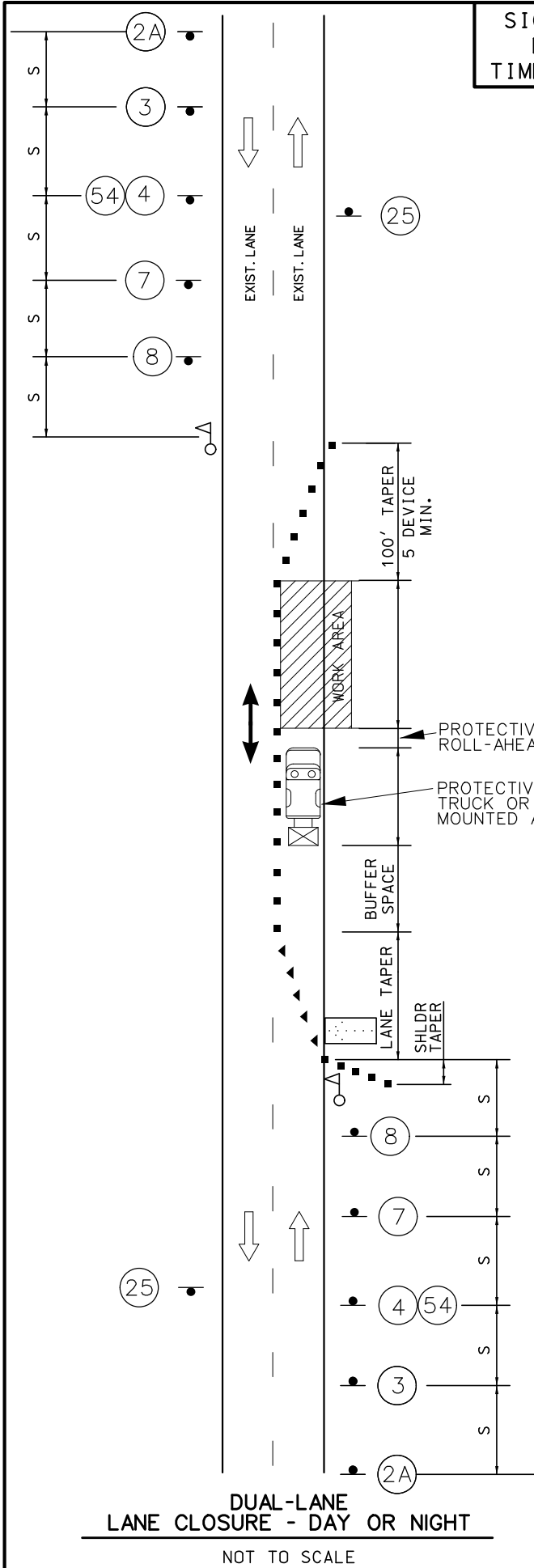
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PHONE 572-634-3161
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SIGNING REFLECTS
DAY OR NIGHT
TIME WORKING HOURS

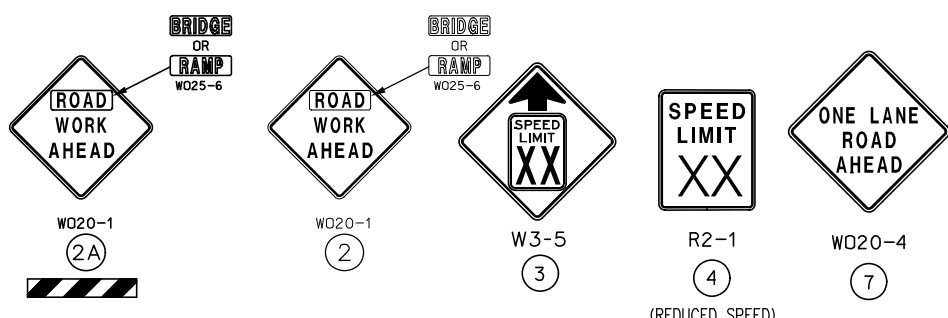
EFFECTIVE: 06-08-2016
REVISED (ADA): 01-04-2017

PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT.	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

SIGN SPACING FOR ADVANCED SIGN SERIES (1) (2)

PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
	SA- 1000' SB- 1500' SC- 2640'	SA- 1000' SB- 1500' SC- 2640'
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	1000'

NOTES:
(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
(2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

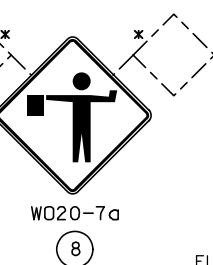


DIRECTIONAL INDICATOR BARRICADES

CHANNELIZERS

FLASHING
ARROW PANEL

TMA



FLAGGER

NIGHT TIME WORK HOURS
X PM - X AM

NOTES:

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS: QUANTITY OF TRIMLINE CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAX. CHANNELIZER SPACING IN THE CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES (NO DIRECT PAY)

NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS, OR FLASHING ARROW PANEL.

NO DIRECT PAYMENT WILL BE MADE FOR TEMPORARY STOP OR YIELD SIGNS AS NEEDED TO MAINTAIN EXISTING STOP/YIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE-HALF OF THE SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

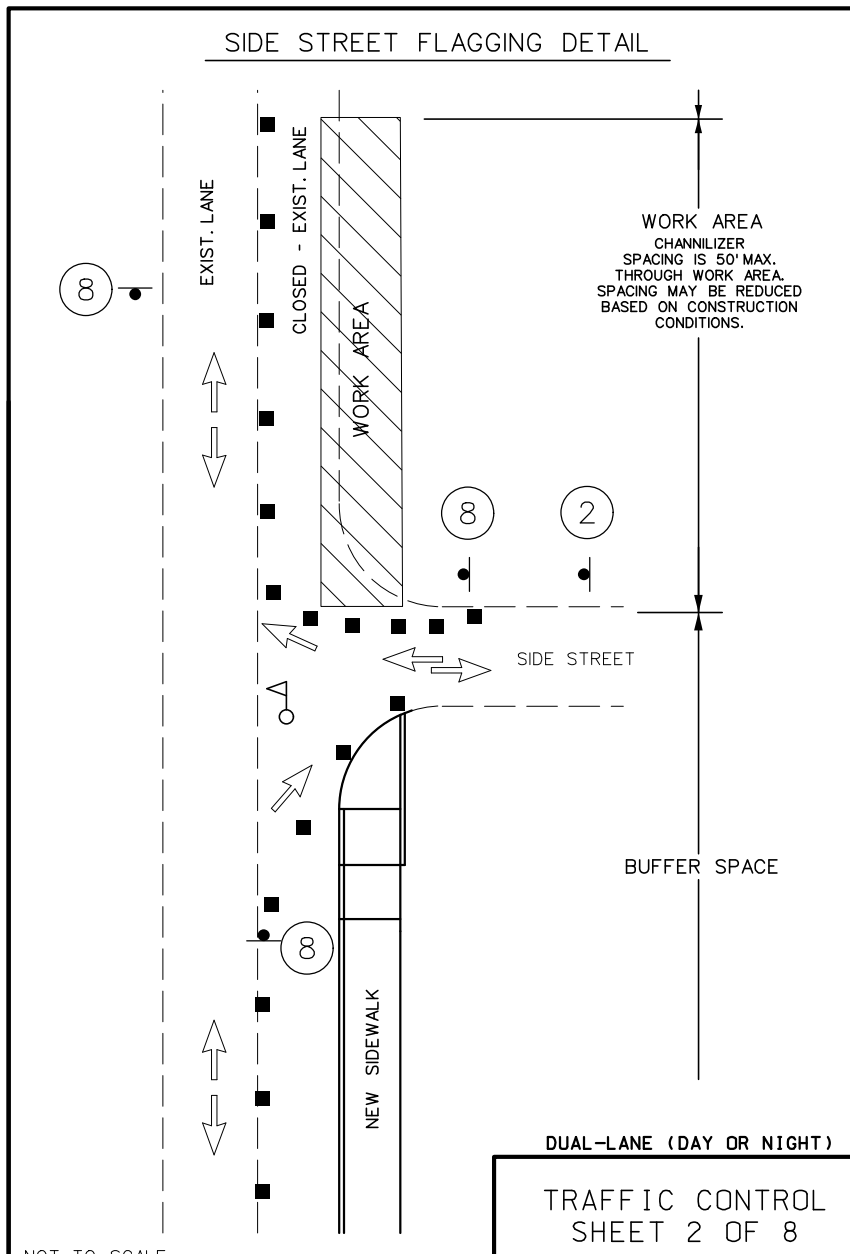
ALL SIGNS, EXCEPT "RATE OUR WORK ZONE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER. SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.

THE MAX. CHANNELIZER SPACING WITHIN THE WORK ZONE AREA MAY BE REDUCED BASED ON CONSTRUCTION CONDITIONS, AS APPROVED BY ENGINEER.

* SIGN W020-7A (FLAGGER SYMBOL) FLAGS ARE SUBSIDIARY TO THE SIGN. NO DIRECT PAY.



STATE OF MISSOURI
MELISSA ANN WILBERS
NUMBER
PE-2007002853
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
104

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

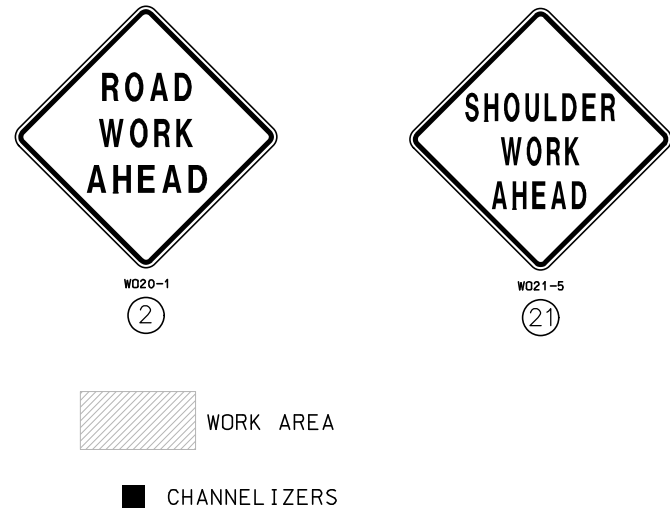
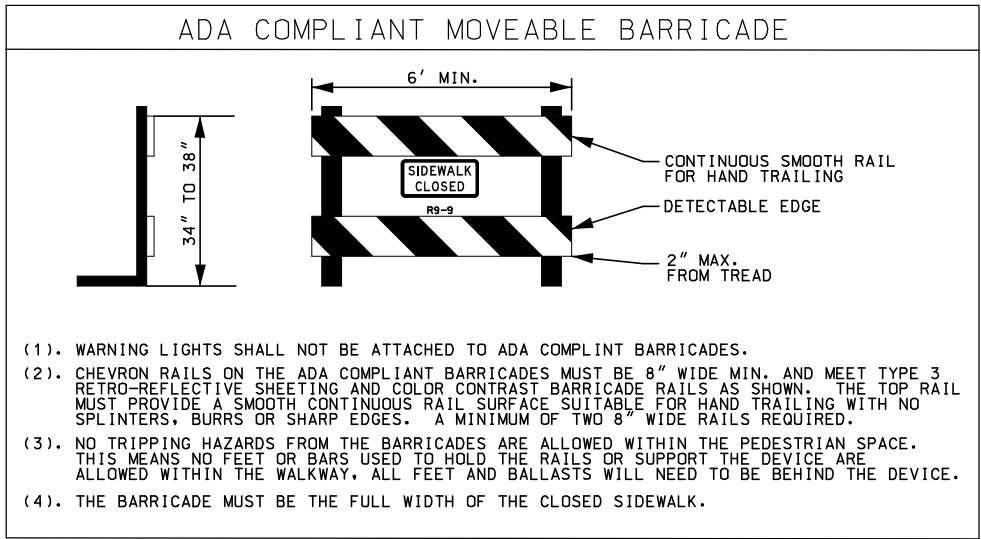
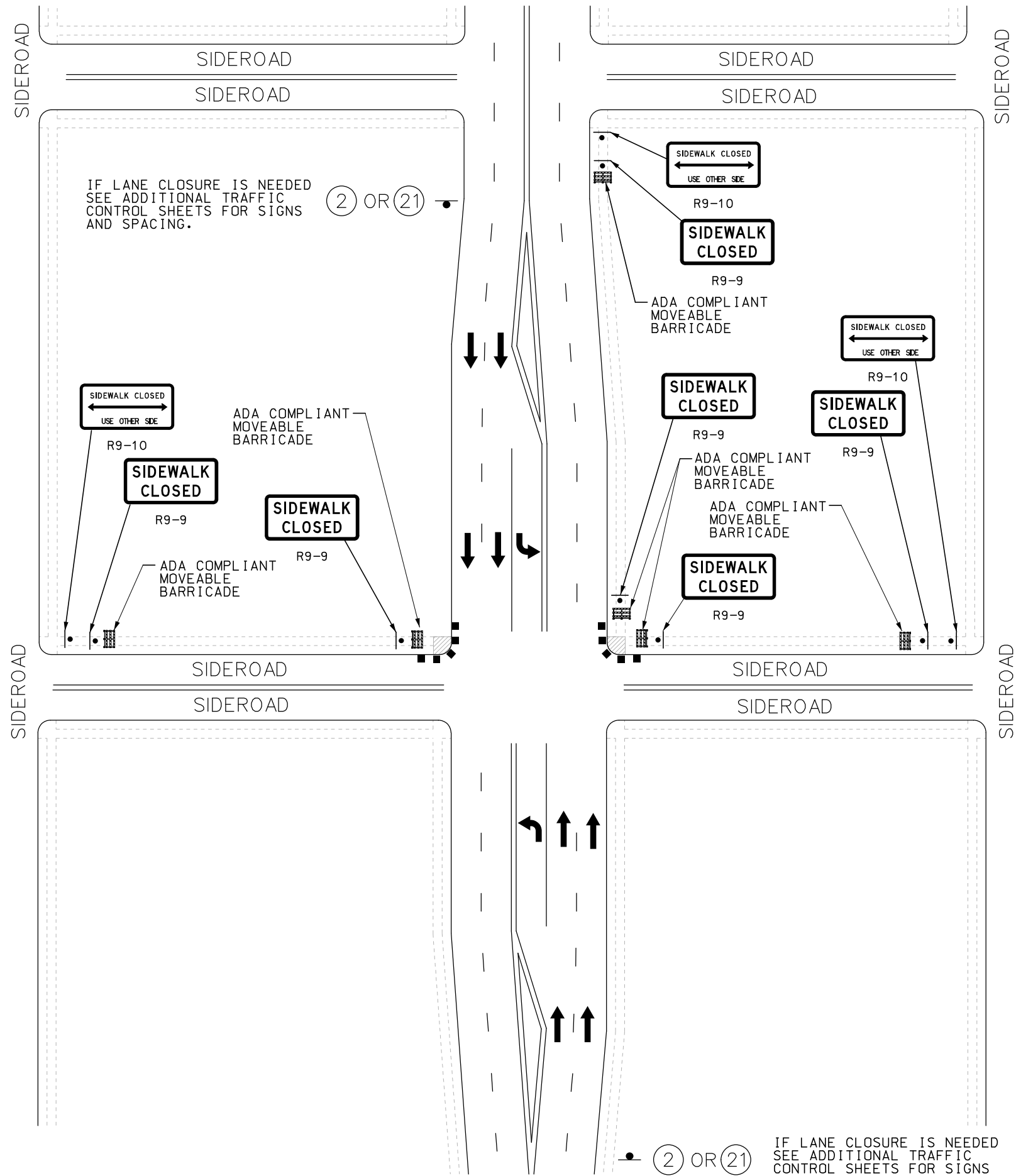
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

Bartlett & West
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PHONE 572-634-3161
FAX 572-634-3161
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- NOTES:
- (1). ALL SIGNS AND BARRICADES SHALL BE MOVED TO THE OPPOSITE SIDE OF THE ROADWAY WHEN SIDEWALK UPGRADES ARE REQUIRED FOR BOTH SIDES OF THE ROAD.
 - (2). ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN OTHER DEVICES MAY BE NECESSARY TO CONTROL TRAFFIC, SEE OTHER TRAFFIC CONTROL SHEETS FOR LANE CLOSURES
 - (3). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 - (4). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
 - (5). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
 - (6). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
 - (7). PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.
 - (8). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
 - (9). SIGNS MAY ALSO BE PLACED IN THE MEDIAN OF THE ROADWAY IF THERE IS SUFFICENT ROOM BETWEEN LANES

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 105
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

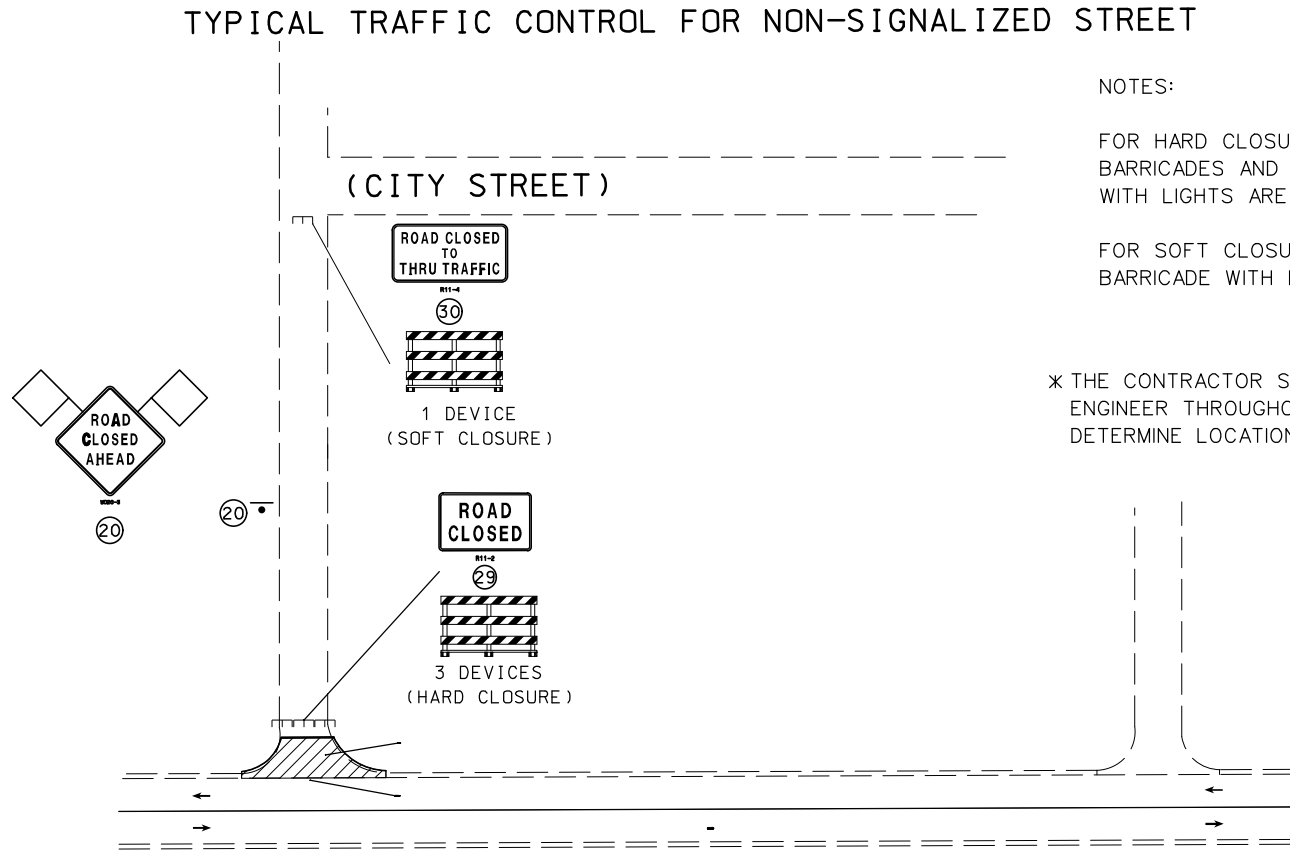
DESCRIPTION									
DATE									

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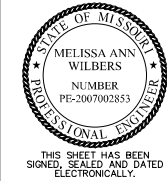


NOTES:

FOR HARD CLOSURE, TWO TYPE 3 BARRICADES AND ONE TYPE 3 BARRICADE WITH LIGHTS ARE REQUIRED.

FOR SOFT CLOSURE, ONE TYPE 3 BARRICADE WITH LIGHTS IS REQUIRED

* THE CONTRACTOR SHALL WORK WITH THE ENGINEER THROUGHOUT CONSTRUCTION TO DETERMINE LOCATION FOR SOFT CLOSURES.



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 106
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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(2) (1A)

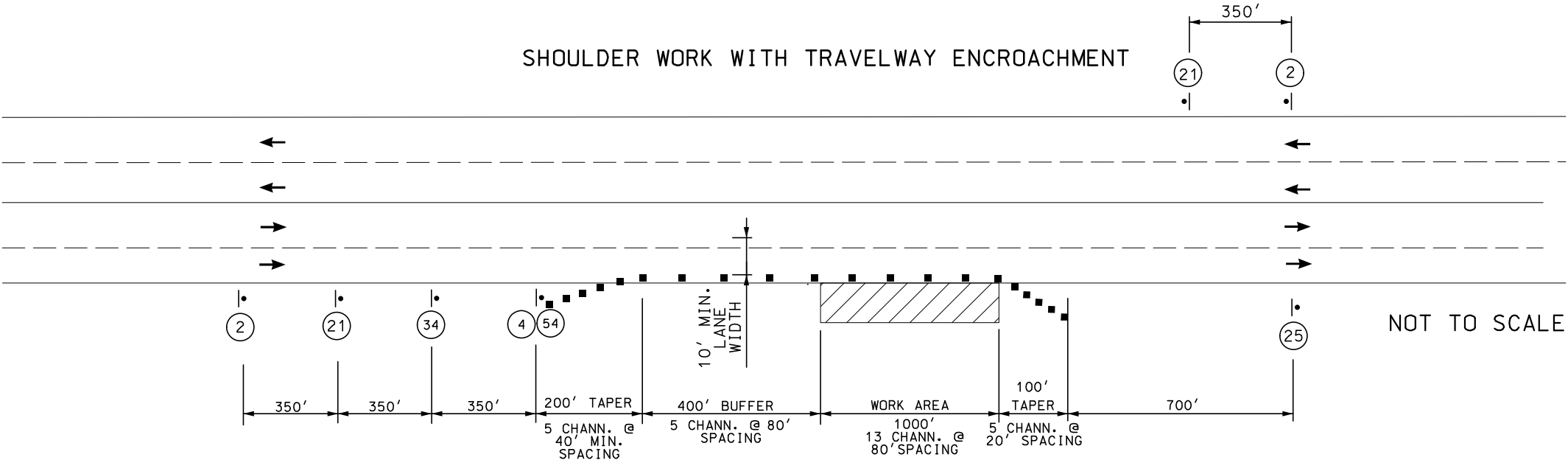


2 AM 2/29/20

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

TRAFFIC CONTROL
SHEET 5 OF 8

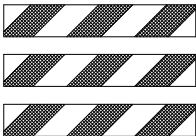
SHOULDER WORK WITH TRAVELWAY ENCROACHMENT



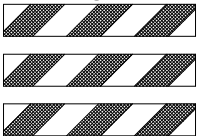
- NOTES:
- SIGN SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
 - ANY EXISTING SIGNS THAT CONFLICT WITH TRAFFIC CONTROL SHALL BE COVERED OR REMOVED.
 - NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING OF TCP SIGNS.
 - REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.
 - LANE WIDTHS SHALL BE A MINIMUM OF 10'.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESSES DURING CONSTRUCTION. CLOSURE OF SIDE STREETS AND COMMERCIAL ENTRANCES SHALL BE MINIMIZED.
 - CHANNELIZER LENGTHS MAY BE REDUCED AT INTERSECTIONS OR OTHER SPOTS TO DISCOURAGE TRAFFIC ENCROACHMENT.
 - REDUCED SPEED LIMIT IS POSTED SPEED LIMIT MINUS 10 MPH WITH A MINIMUM SPEED LIMIT OF 35 MPH.
 - FLAGS ARE REQUIRED FOR DAY TIME HOURS ONLY.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZERS (TRIMLINE)
- WORK AREA



W020-1
(2)



W05-5
(34)



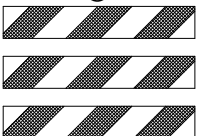
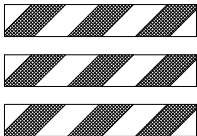
R2-1
(25)



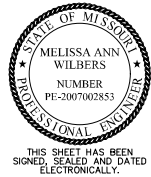
G020-5aP
(54)



(NORMAL SPEED 40 MPH)
R2-1
(4)



W021-5b
(21)



DATE PREPARED
2/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
110
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

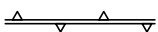
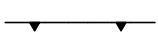


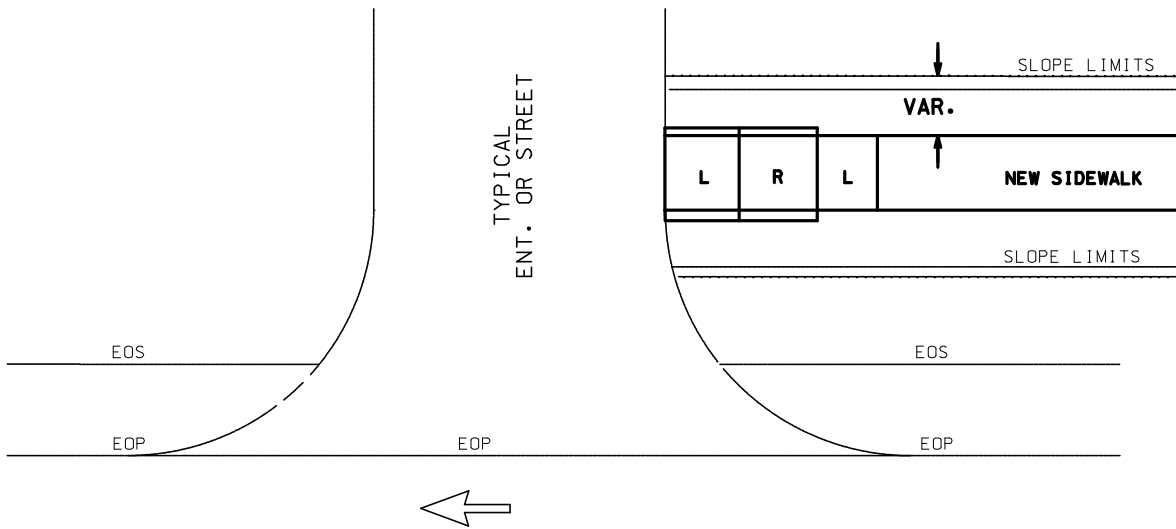
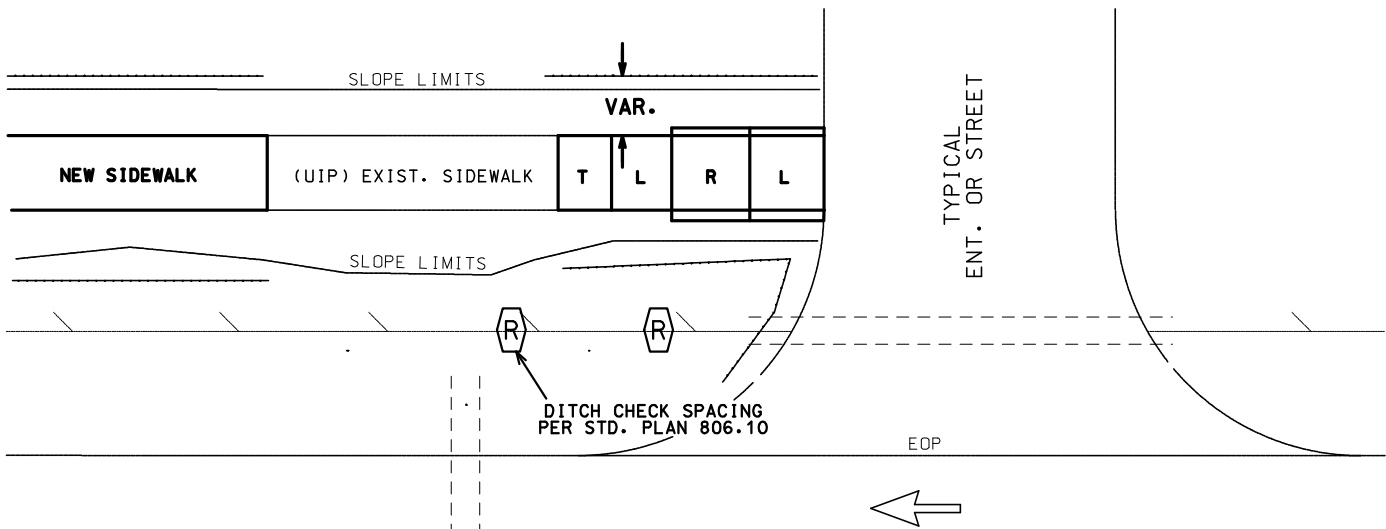
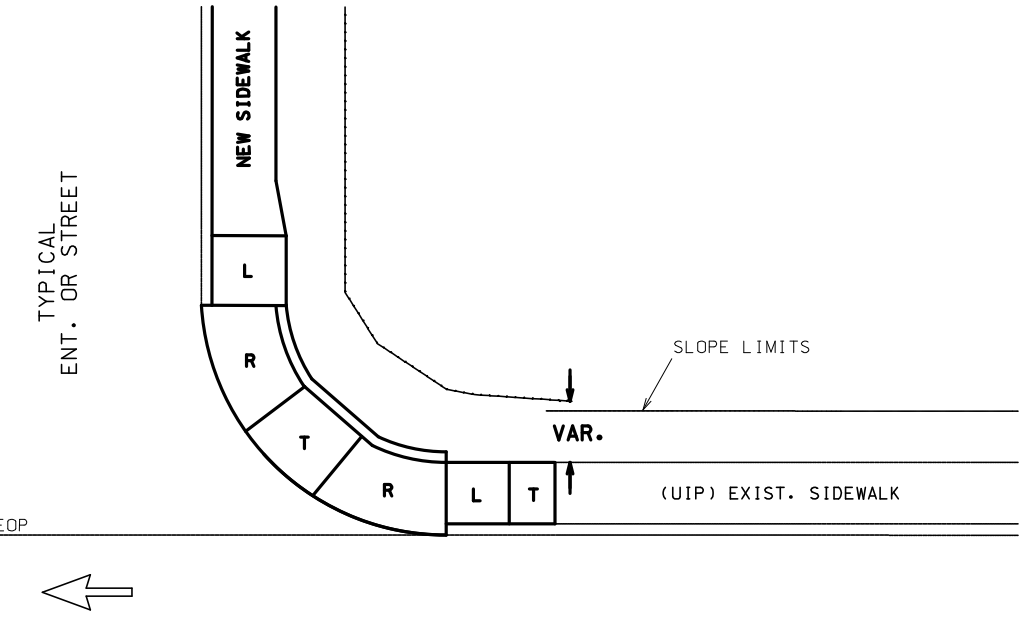
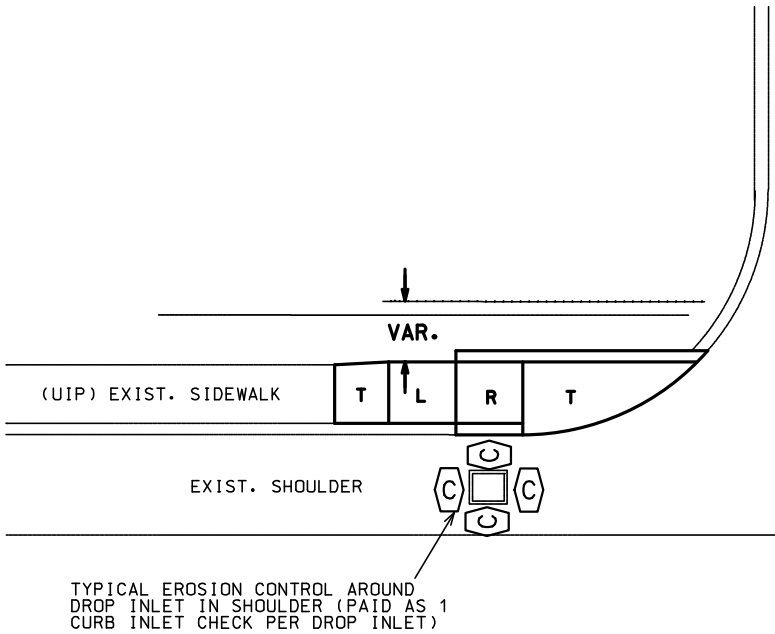
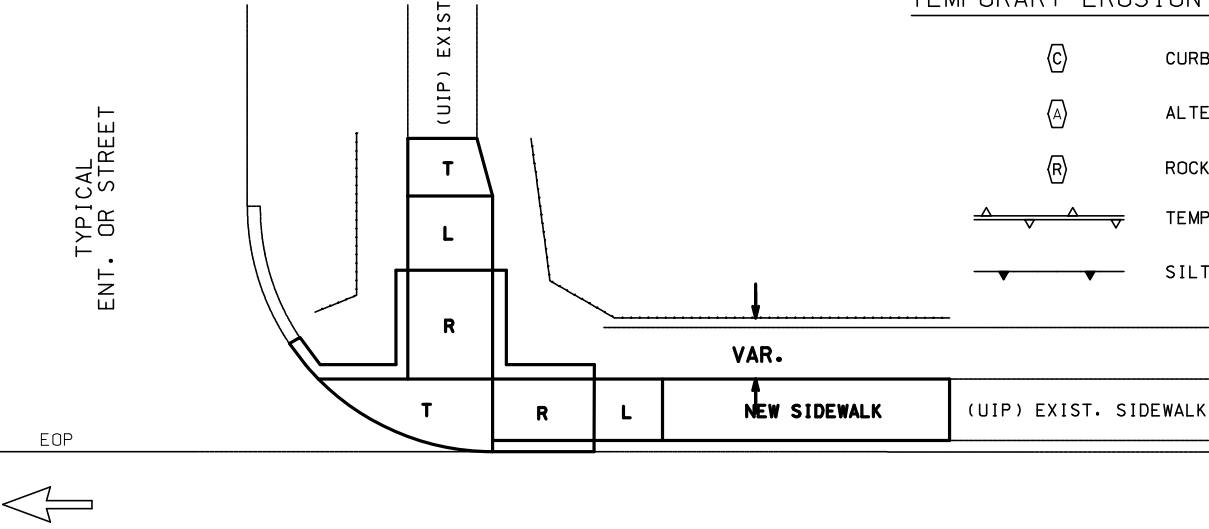
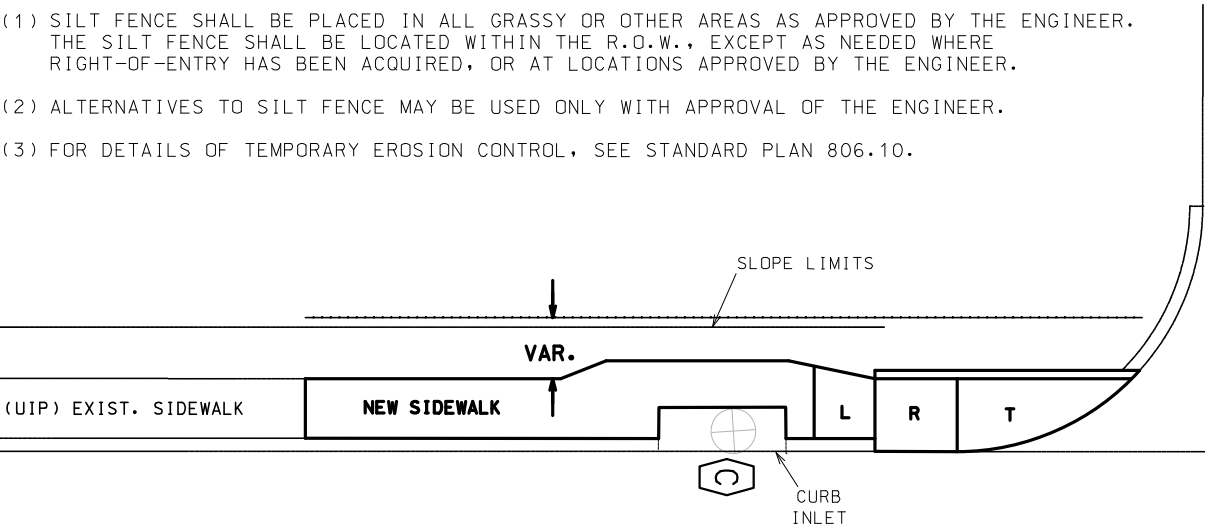
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NOTES:

- (1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.
- (2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.
- (3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

TEMPORARY EROSION CONTROL LEGEND

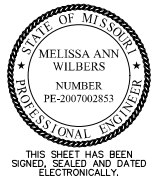
-  CURB INLET CHECK
-  ALTERNATE CHECK
-  ROCK DITCH CHECK
-  TEMPORARY BERM
-  SILT FENCE



NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS
FOR NEW CURB RAMP & SIDEWALK CONSTRUCTION

EROSION CONTROL SHEET
SHEET 1 OF 1



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 111
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

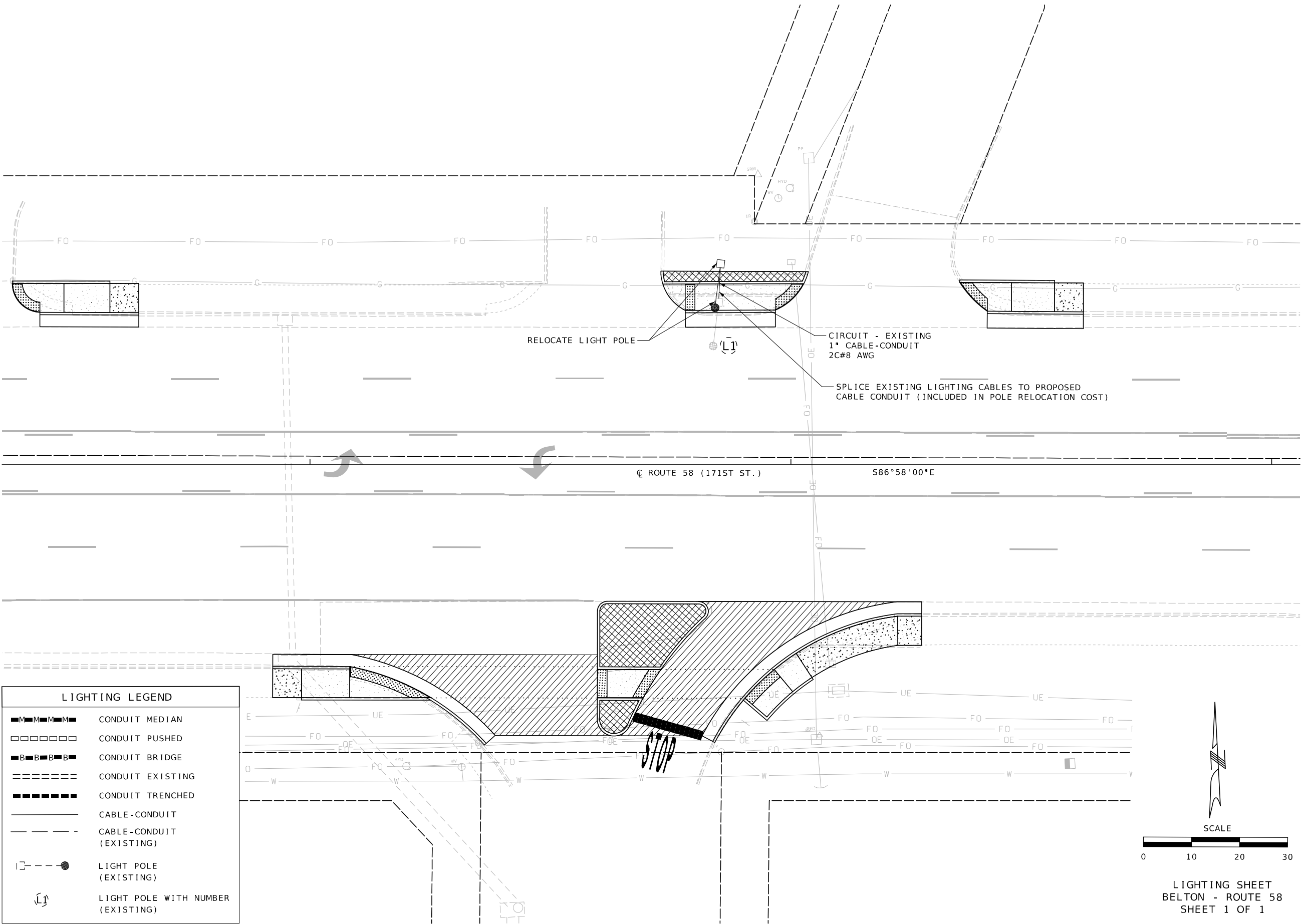


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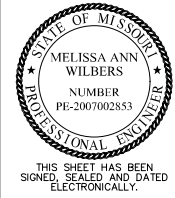
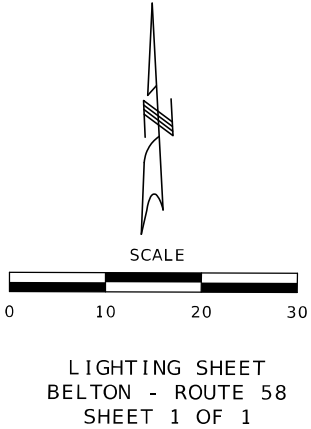
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LIGHTING LEGEND	
■ ■ ■ ■ ■ ■ ■ ■	CONDUIT MEDIAN
□ □ □ □ □ □ □ □	CONDUIT PUSHED
■ ■ ■ ■ ■ ■ ■ ■	CONDUIT BRIDGE
— — — — —	CONDUIT EXISTING
— — — — —	CONDUIT TRENCHED
— — — — —	CABLE-CONDUIT
— — — — —	CABLE-CONDUIT (EXISTING)
□ — — — ●	LIGHT POLE (EXISTING)
⌋ ⌋	LIGHT POLE WITH NUMBER (EXISTING)



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 112
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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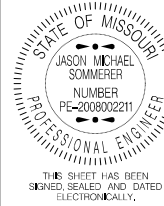
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SUMMARY OF SIGNAL QUANTITIES								
PAY ITEM	DESCRIPTION	UNIT	QUAN	BELTON ROUTE 58				HARRISONVILLE ROUTE 7
				AT US HWY 71 RAMP	AT HARMON DR/ S OUTER RD	AT BEL-RAY	AT DEAN/CLINT	AT ELM
902.08-33	SH-FLAT SHEET - SIGNAL SIGN	SF	6			2	1	3
902.08-34	SIGNAL SIGN, MOUNTING HARDWARE	EA	6			2	1	3
902.12-11	SIGNAL HEAD, OPTICALLY LIMITED, TYPE 1S	EA	5			2		3
902.27-08	POST, SIGNAL 8 FT.	EA	13			6	4	3
902.50-20	CONDUIT, 1 IN., LOOP DETECTOR WITH TRACER WIRE	LF	22			22		
902.53-00	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	326			135	126	65
902.73-00	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	48			48		
902.83-08	CABLE, 16 AWG 2 CONDUCTOR	LF	3,770			1,550	1,670	550
902.83-10	CABLE, 16 AWG 5 CONDUCTOR	LF	3,790			1,560	1,680	550
902.85-00	CABLE, LOOP DETECTOR, IN-DUCT	LF	1,290			1,290		
902.88-11	PULL BOX, PREFORMED CLASS 2	EA	1			1		
902.99-02	MISC. {DETECTOR, PUSH BUTTON (APS)}	EA	7		1	2	1	3
902.91-00	BASE, CONCRETE	CY	8.8			4.4	3.1	1.3
902.99-02{1}	MISC. {ADJUST PUSH BUTTON, RAISE/LOWER}	EA	3	1	2			
902.99-02{2}	MISC. {RELOCATE PUSH BUTTON TO NEW POST}	EA	11			4	7	
902.99-02{3}	MISC. {ADJUST SIGNAL PULL BOX}	EA	2			2		
902.99-02{4}	MISC. {RELOCATE COUNTDOWN PEDESTRIAN SIGNAL HEAD}	EA	8			4	4	
902.99-02{5}	MISC. {ADJUST VEHICLE DETECTION ZONE}	EA	13			6	7	
902.99-02{6}	MISC. {RELOCATE PEDESTRIAN SIGNAL POST}	EA	7			4	3	

SUMMARY OF SIGNAL QUANTITIES
SIGNAL SHEET 1 OF 12



DATE PREPARED
2/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
113
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

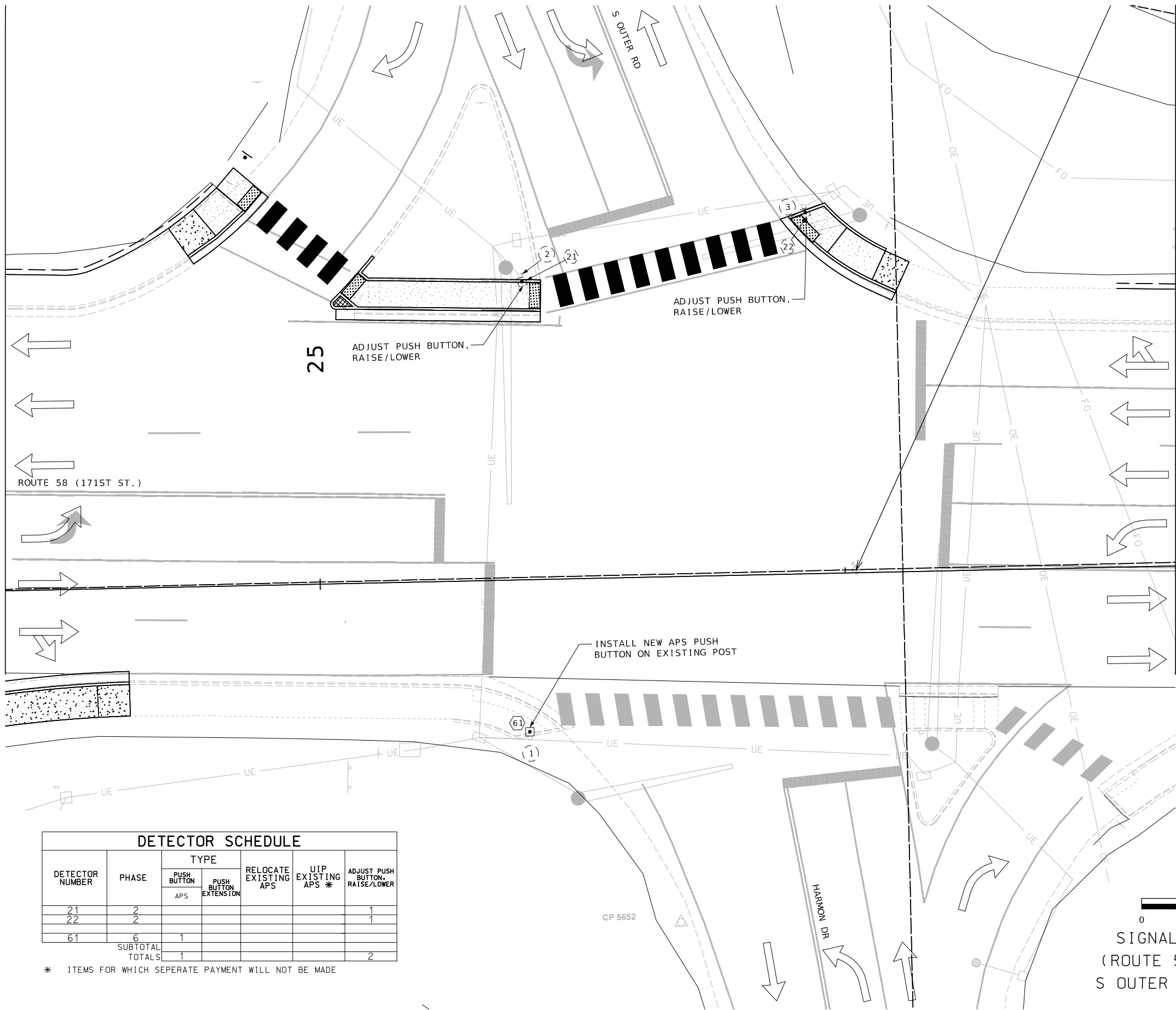
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE							

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



DETECTOR SCHEDULE						
DETECTOR NUMBER	PHASE	TYPE		RELOCATE EXISTING APS	UIP EXISTING APS *	ADJUST PUSH BUTTON, RAISE/LOWER
		PUSH BUTTON APS	PUSH BUTTON EXTENSION			
21	2					1
22	2					1
61	6	1				
SUBTOTAL						
TOTALS		1				2

* ITEMS FOR WHICH SEPERATE PAYMENT WILL NOT BE MADE

TRAFFIC SIGNALS LEGEND

CONTROLLER

CONTROLLER (EXISTING)

JUNCTION BOX

POWER SUPPLY

PEDESTRIAN POST

PEDESTRIAN SIGNAL HEAD

PEDESTRIAN SIGNAL HEAD (EXISTING)

PUSH BUTTON DETECTOR

PUSH BUTTON DETECTOR (EXISTING)

PREFORMED PULL BOX TYPE 1

PREFORMED PULL BOX TYPE 2

CONCRETE PULL BOX TYPE 1

CONCRETE PULL BOX TYPE 2

ITS PULL BOX TYPE 2

ITS PULL BOX TYPE 5

CONDUIT MEDIAN

CONDUIT PUSHED

CONDUIT BRIDGE

CONDUIT EXISTING

CONDUIT TRENCHED

SPAN WIRE

MAST ARM - TYPE A BASE

MAST ARM - TYPE C BASE

MAST ARM - TYPE F BASE

GENERAL NOTE (SIGNAL SHEETS)

1. TRAFFIC FLOW ARROWS SHOWN FOR DIAGRAM PURPOSES ONLY. DO NOTINSTALL PAVEMENT MARKING ARROWS UNLESS SPECIFIED IN THE PLANS.

2. SEE ROADWAY PLANS FOR DETAILS OF EXISTING EASEMENTS.



SIGNAL SHEET 3 OF 12
(ROUTE 58 AT HARMON RD/
S OUTER RD SHEET 1 OF 1)

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
115

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

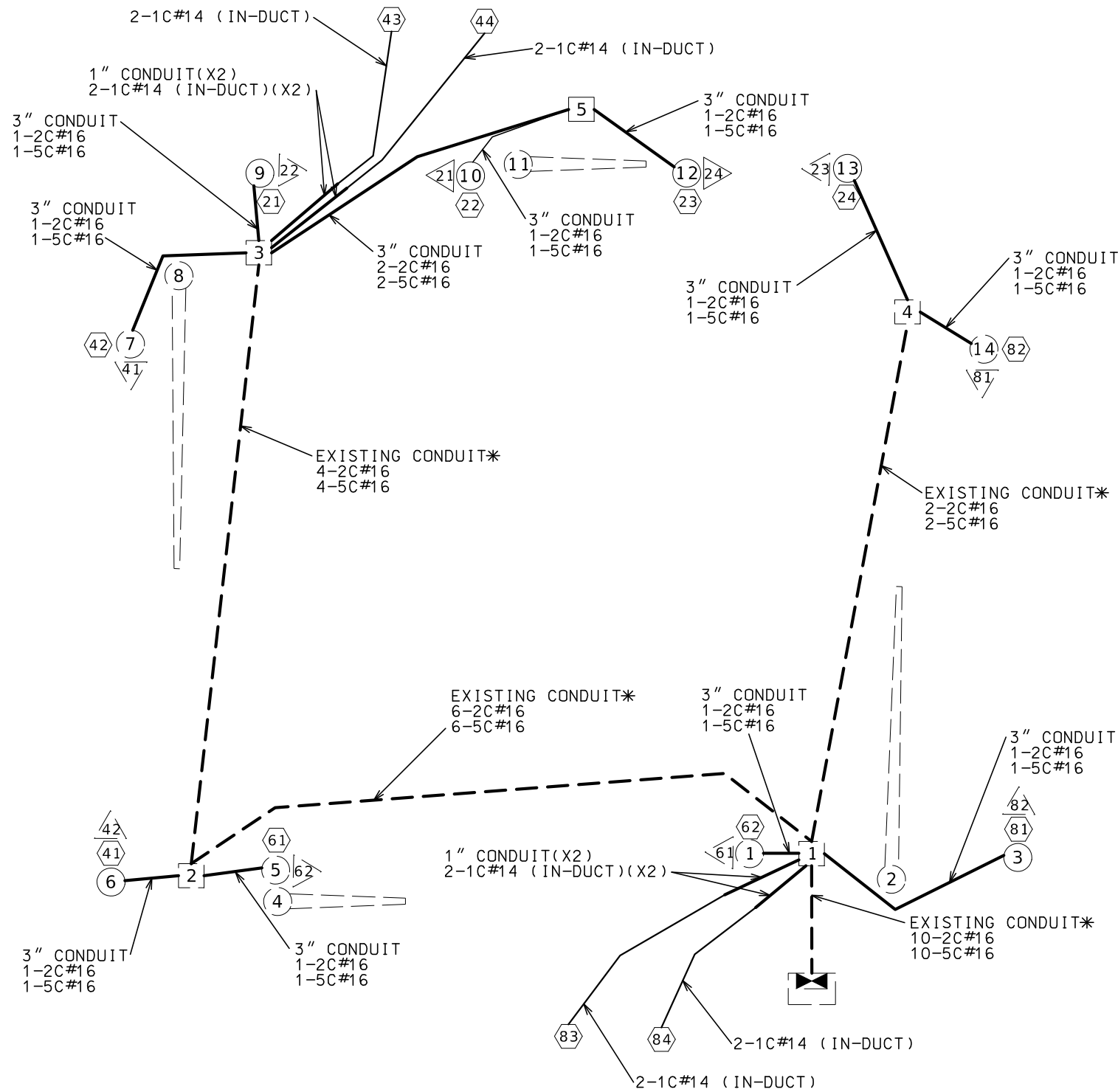
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CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

CONDUIT (WITH #14 TRACER WIRE)					
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH	TRENCH	PUSHED
			1 "	3 "	3 "
SC	PB1	12		USE EXISTING	
PB1	1	5		6	
PB1	3	32		33	
PB1	PB2	69		USE EXISTING	
PB2	5	10		11	
PB2	6	9		10	
PB2	PB3	82		USE EXISTING	
PB3	7	15		16	
PB3	9	8		9	
PB3	PB5	46			48
PB3	PB4	81		USE EXISTING	
PB5	10	16		17	
PB5	12	8		9	
PB4	13	15		16	
PB4	14	7		8	
PB4	PB1	80		USE EXISTING	
PB1	43	4	3		
PB1	44	4	3		
PB3	83	9	8		
PB3	84	9	8		
TOTALS			22	135	48

WIRING DIAGRAM



LEGEND	
3"	CONDUIT CONTAINING CABLE WITH SIZE
---	CONDUIT EXISTING
---	CABLE
X-XC	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
[X]	PULL BOX WITH NUMBER
(X)	POST WITH NUMBER
[X]	POST WITH MAST ARM
[X]	DETECTOR WITH NUMBER
[X]	PEDESTRIAN SIGNAL HEAD WITH NUMBER
[X]	SIGNAL CONTROLLER
[X]	PULL BOX WITH NUMBER (EXISTING)
(X)	POST WITH NUMBER (EXISTING)
[X]	POST WITH MAST ARM (EXISTING)
[X]	DETECTOR WITH NUMBER (EXISTING)
[X]	PEDESTRIAN SIGNAL HEAD WITH NUMBER (EXISTING)
[X]	SIGNAL CONTROLLER (EXISTING)

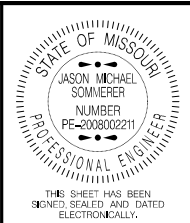
*CABLES SHOWN ARE PROPOSED. EXISTING CONDUIT CONTAINS ADDITIONAL CABLES.

SIGNAL SHEET 6 OF 12
(ROUTE 58 AT BEL-RAY BLVD SHEET 3 OF 3)

ROUTE 58 & BEL-RAY BLVD.

INTERSECTION

D-37D



DATE PREPARED
2/29/2024
ROUTE
VAR
DISTRICT
KC
STATE
MO
SHEET NO.
118
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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CONDUIT (WITH #14 TRACER WIRE)				
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH	PUSHED
			3 "	3 "
SC	PB1	19	USE EXISTING	
PB1	12	9	USE EXISTING	
PB1	2	15	16	
PB1	PB2	114	USE EXISTING	
PB2	3	13	14	
PB2	5	30	31	
PB2	PB3	93	USE EXISTING	
PB3	7	8	9	
PB3	8	19	20	
PB3	PB4	105	USE EXISTING	
PB4	10	4	5	
PB4	11	30	31	
TOTALS			126	

CABLE										
FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				DETECTOR	
			1c #2	1c #8	2c #16	5c #16	7c #16	VIDEO	1c #14 IN DUCT	2c #14 LEAD-IN CABLE
SC	2	34			57	58				
SC	3	145			168	169				
SC	5	162			185	186				
SC	7	233			256	257				
SC	8	243			266	267				
SC	10	333			356	357				
SC	11	358			381	382				
SC	12	30			N/A - USE EXISTING					

[illegible]

& = RELOCATE EXISTING POST

[illegible][illegible]

DETECTOR SCHEDULE								
DETECTOR NUMBER	PHASE	TYPE						
		PUSH BUTTON	PUSH BUTTON EXTENSION	RELOCATE EXISTING APS	UIP EXISTING APS *	ADJUST PUSH BUTTON, RAISE/LOWER	INDUCTION LOOP (2)	ADJUST VEHICLE DETECTION ZONE
		APS					STANDARD	
11	1							1
21	2			1				
22	2			1				
23	2							1
24	2							1
41	4			1				
42	4			1				
51	5							1
61	6	1						
62	6			1				
63	6							1
64	6							1
65	6							1
81	8			1				
82	8			1				
	SUBTOTAL TOTALS	1		7				7

(2) UIP EXISTING DETECTOR CARDS. NO DIRECT PAY

ROUTE 58 AT DEAN AVE.
INTERSECTION

SIGNAL SHEET 8 OF 12
(ROUTE 58 AT DEAN AVE SHEET 2 OF 3)

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

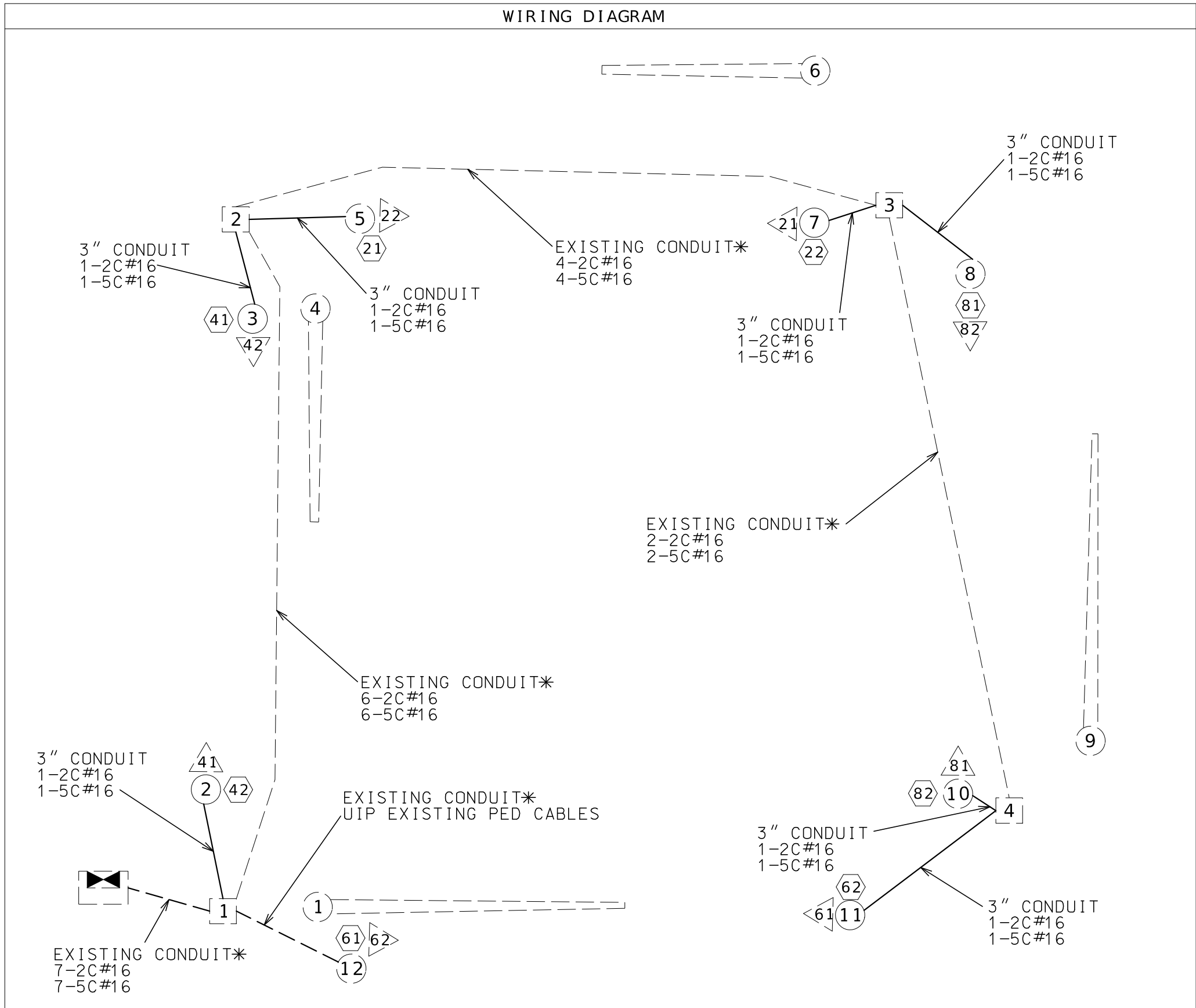
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY 1 FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MDDOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

WIRING DIAGRAM



LEGEND

3" CONDUIT CONTAINING CABLE WITH SIZE

CONDUIT EXISTING

CABLE

X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)

LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)

PULL BOX WITH NUMBER

POST WITH NUMBER

POST WITH MAST ARM

DETECTOR WITH NUMBER

PEDESTRIAN SIGNAL HEAD WITH NUMBER

SIGNAL CONTROLLER

PULL BOX WITH NUMBER (EXISTING)

POST WITH NUMBER (EXISTING)

POST WITH MAST ARM (EXISTING)

DETECTOR WITH NUMBER (EXISTING)

PEDESTRIAN SIGNAL HEAD WITH NUMBER (EXISTING)

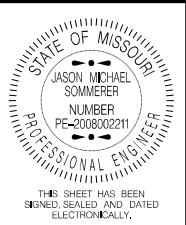
SIGNAL CONTROLLER (EXISTING)

*CABLES SHOWN ARE PROPOSED. EXISTING CONDUIT CONTAINS ADDITIONAL CABLES.

SIGNAL SHEET 9 OF 12
(ROUTE 58 AT DEAN AVE SHEET 3 OF 3)

ROUTE 58 AT DEAN AVE
INTERSECTION

D-37D



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 121
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

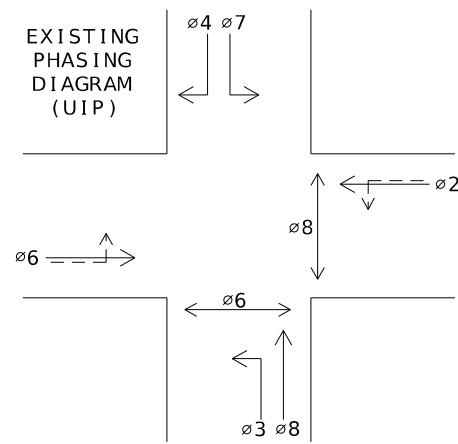
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

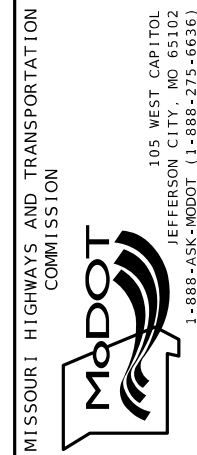
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

1. TRAFFIC FLOW ARROWS SHOWN FOR DIAGRAM PURPOSES ONLY. DO NOT INSTALL PAVEMENT MARKING ARROWS UNLESS SPECIFIED IN THE PLANS.
2. SEE ROADWAY PLANS FOR DETAILS OF EXISTING EASEMENTS.



	CONDUIT MEDIAN
	CONDUIT PUSHED
	CONDUIT BRIDGE
	CONDUIT EXISTING
	CONDUIT TRENCHED
	SPAN WIRE
	MAST ARM - TYPE A BASE
	MAST ARM - TYPE C BASE
	MAST ARM - TYPE F BASE

SIGNAL SHEET 10 OF 12
(ROUTE 7 AT ELM ST SHEET 1 OF 3)



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WWW.BARTLETTWEST.COM

CONDUIT (WITH #14 TRACER WIRE)				
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH	PUSHED
			3"	3"
SC	PB1	8	USE EXISTING	
PB2	PB1	72	USE EXISTING	
PB4	8	11	12	
PB4	PB3	43	USE EXISTING	
PB3	3	22	23	
PB3	PB1	70	USE EXISTING	
PB5	9	29	30	
PB5	PB6	72	USE EXISTING	
PB6	PB2	65	USE EXISTING	
TOTALS			65	

CABLE										
FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				DETECTOR	
			1c #2	1c #8	2c #16	5c #16	7c #16	VIDEO	1c #14 IN DUCT	2c #14 LEAD-IN CABLE
SC	3	98			121	122				
SC	6	130			153	154				
SC	9	244			267	268				
SUBTOTALS					551	554				
TOTALS					550	550				

[illegible]

& = RELOCATE EXISTING POST

[illegible]

SIGNAL SIGNS						
	QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
			INCHES	SQ.FT.	SQ.FT.	ITEM NO. 9020833
		R10-10L	24 X 30	5.0		
		R10-10R	24 X 30	5.0		
		R3-5L	30 X 36	7.5		
		R3-5R	30 X 36	7.5		
		R3-5A	30 X 36	7.5		
		R3-6L	30 X 36	7.5		
		R3-6R	30 X 36	7.5		
		R3-2	24 X 24	4.0		
		R3-1	24 X 24	4.0		
		R3-3	24 X 24	4.0		
		D3-1 ***	90 X 18	11.3		
		D3-1 ***	60 X 18	7.5		
(S1)	2	R10-3E_L	9 X 15	0.9	1.8	2
(S2)	1	R10-3E_R	9 X 15	0.9	0.9	1
		R10-11A	24 X 30	5.0		
		R10-13	36 X 24	6.0		
		R10-27A	30 X 36	7.5		
		R10-12	30 X 36	7.5		
				SUBTOTAL	2.7	3
				TOTAL	3	3

DETECTOR SCHEDULE						
DETECTOR NUMBER	PHASE	TYPE		RELOCATE EXISTING APS	UIP EXISTING APS *	ADJUST PUSH BUTTON, RAISE/LOWER
		PUSH BUTTON	PUSH BUTTON EXTENSION			
		APS				
61	6	1				
62	6	1				
81	8	1				
						</

REMARKS
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.
SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

STATE OF MISSOURI

JASON MICHAEL
SOMMERER
NUMBER
PE-2008002211

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	
2/29/2024	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	123
COUNTY	
CASS	
JOB NO.	
J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

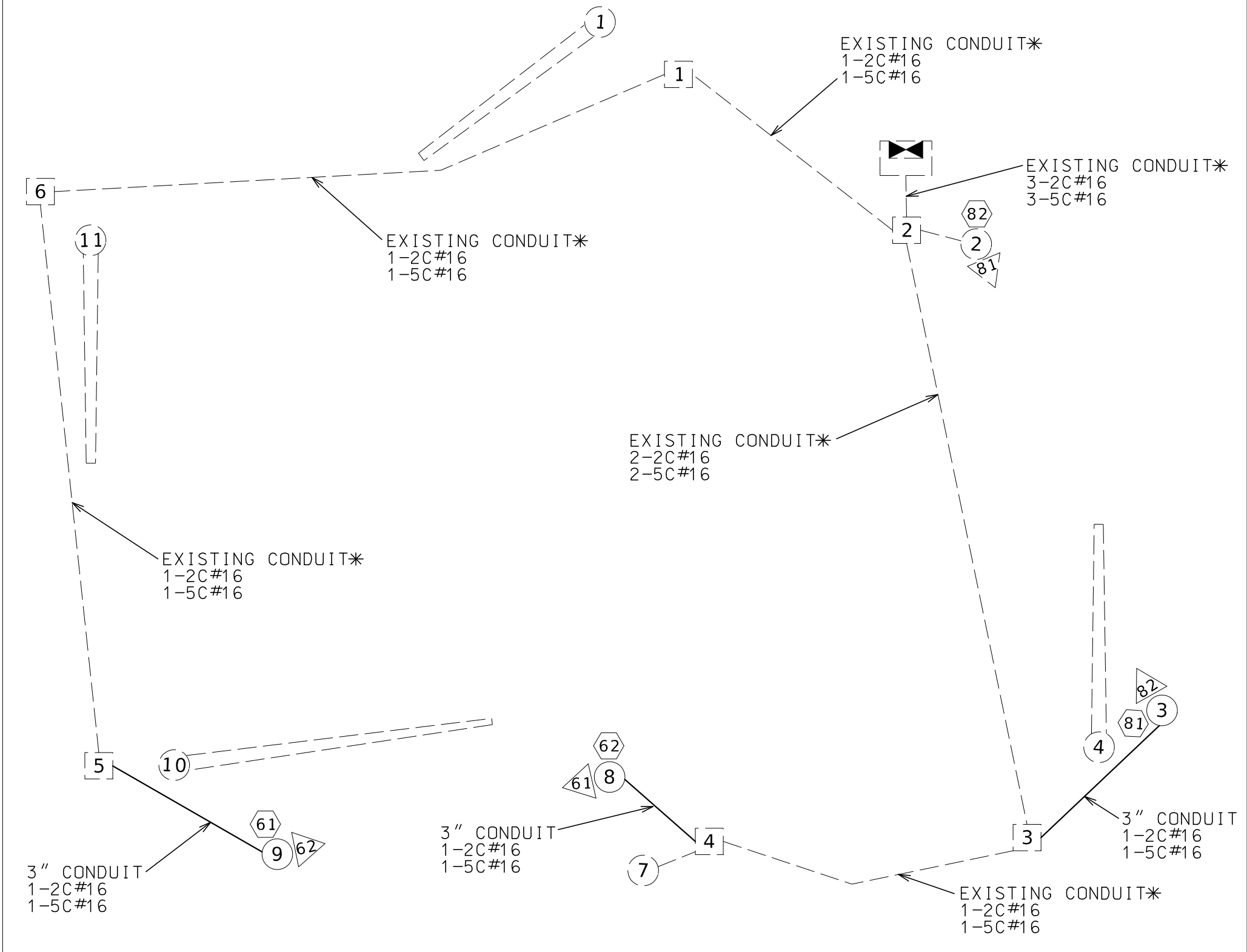
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-800-ASHMOBILE

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

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

WIRING DIAGRAM



*CABLES SHOWN ARE PROPOSED. EXISTING CONDUIT CONTAINS ADDITIONAL CABLES.

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CONDUIT EXISTING
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- [X] PULL BOX WITH NUMBER
- (X) POST WITH NUMBER
- [X] POST WITH MAST ARM
- (X) DETECTOR WITH NUMBER
- [X] PEDESTRIAN SIGNAL HEAD WITH NUMBER
- [X] SIGNAL CONTROLLER
- [X] PULL BOX WITH NUMBER (EXISTING)
- (X) POST WITH NUMBER (EXISTING)
- [X] POST WITH MAST ARM (EXISTING)
- (X) DETECTOR WITH NUMBER (EXISTING)
- [X] PEDESTRIAN SIGNAL HEAD WITH NUMBER (EXISTING)
- [X] SIGNAL CONTROLLER (EXISTING)

ROUTE 7 AT ELM ST.
INTERSECTION

SIGNAL SHEET 12 OF 12
(ROUTE 7 AT ELM ST SHEET 3 OF 3)

D- 37D



DATE PREPARED
2/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
124
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

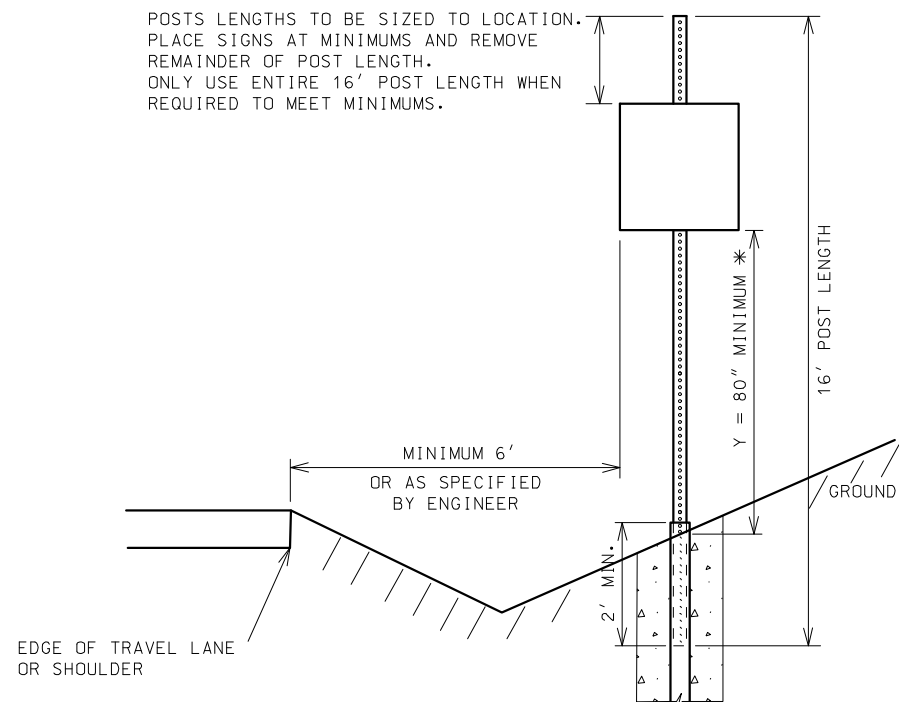
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
FAX 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

POSTS LENGTHS TO BE SIZED TO LOCATION.
PLACE SIGNS AT MINIMUMS AND REMOVE
REMAINDER OF POST LENGTH.
ONLY USE ENTIRE 16' POST LENGTH WHEN
REQUIRED TO MEET MINIMUMS.

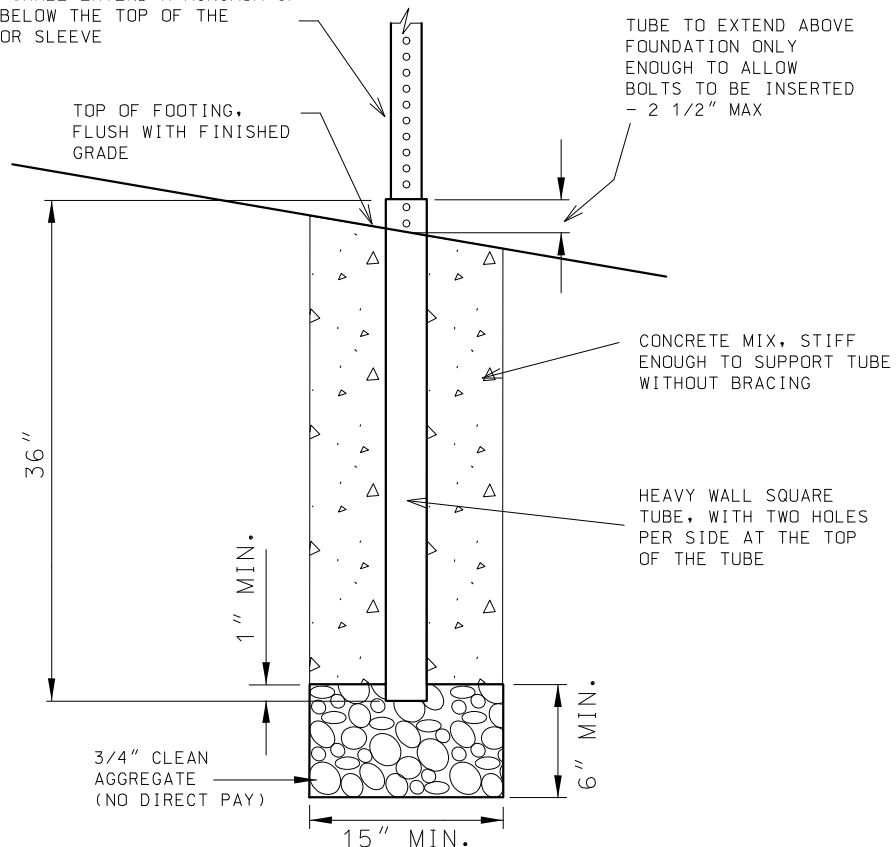


* MINIMUM REQUIRED WHEN SIGNS ARE LOCATED ALONG AND WITHIN A PEDESTRIAN ROUTE.
IN SITUATIONS WHERE THE SIGN IS NOT LOCATED WITHIN THE PEDESTRIAN ROUTE THE
MINIMUM HEIGHT COULD BE REDUCED TO 5' IF 80" IS NOT ACHIEVABLE WITH A 16' POST.

NOTE: PERFORATED SQUARE STEEL TUBE (PSST) POSTS ARE PAID AS 16 LINEAR FOOT, CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE IN "MOUNTING HEIGHT DETAIL"

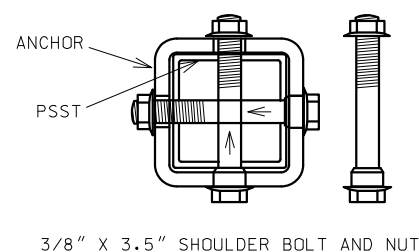
Technical drawing of a rectangular plate with a central notch and two circular holes. The plate has a total width of 36 inches and a total height of 3 inches. The notch is 1 inch wide and 1 inch deep. The two circular holes are 1 inch in diameter and are positioned 1 inch from the top and bottom edges.

POST SHALL EXTEND A MINIMUM OF
24" BELOW THE TOP OF THE
ANCHOR SLEEVE

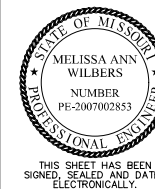


PSST CONCRETE FOOTINGS EMBEDDED PAID AS 3' LENGTH, 15" DIAMETER = 0.14 CUBIC YARDS
REQUIRED AGGREGATE CONSIDERED INCIDENTAL AND INCLUDED IN CONCRETE FOOTING

2 SHOULDER BOLTS REQUIRED
INSTALLED PERPENDICULAR TO EACH OTHER



SIGNING SHEET
SHEET 1 OF 3



DATE PREPARED
2/29/2024

ROUTE	STAT
VAR	MC

DISTRICT	SHEET
KC	12

COUNTY
CASS

JOB NO.
14P3268

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West

301 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

[illegible]

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGN NO.

SIGN SIZE

STATION

HORZ CLEAR IF NOT STD

LOCATION

SIGN DTL. SHT. NO.

CONCRETE FOOTINGS EMBEDDED

ITEM NO. 9031010

CY

STRUCTURAL STEEL POSTS *

POST DES NO.

POST NO. 1

POST NO. 2

POST NO. 3

LBS PER FT

TOTAL ITEM NO. 9031210

LBS

PIPE POSTS *

PIPE SIZE

POST NO. 1

POST NO. 2

LBS PER FT

TOTAL ITEM NO. 9031220

LBS

BACKING BARS **

2" X 1" BARS @ 2.55 LBS PER FT

NO. EACH

LGTH IN.

TOTAL LF

TOTAL LBS

U-CHANNEL POST

ITEM NO. 9031250A

LF

PERFORATED SQUARE STEEL TUBE

2 IN. POST

2.5 IN. POST

BREAK-AWAY ASSEMBLY

REMARKS AND OTHER REQUIRED ITEMS

DATE PREPARED

2/29/2024

ROUTE

VAR

DISTRICT

KC

STATE

MO

SHEET NO.

126

COUNTY

CASS

JOB NO.

J4P3268D

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)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-663-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT	STUB LENGTH	FOOTING	CONCRETE
(IN.)	LBS/FT	LBS/IN	DIA. DEPTH	C.Y.
2 1/2	5.79	0.48	4'- 3/4"	12" 4'-6" 0.13
3	7.58	0.63	4'- 3/4"	12" 4'-6" 0.13
4	10.79	0.90	5'- 3/4"	18" 5'-6" 0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST 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

SIGNING SHEET SHEET 2 OF 3

D-29

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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Bartlett & West

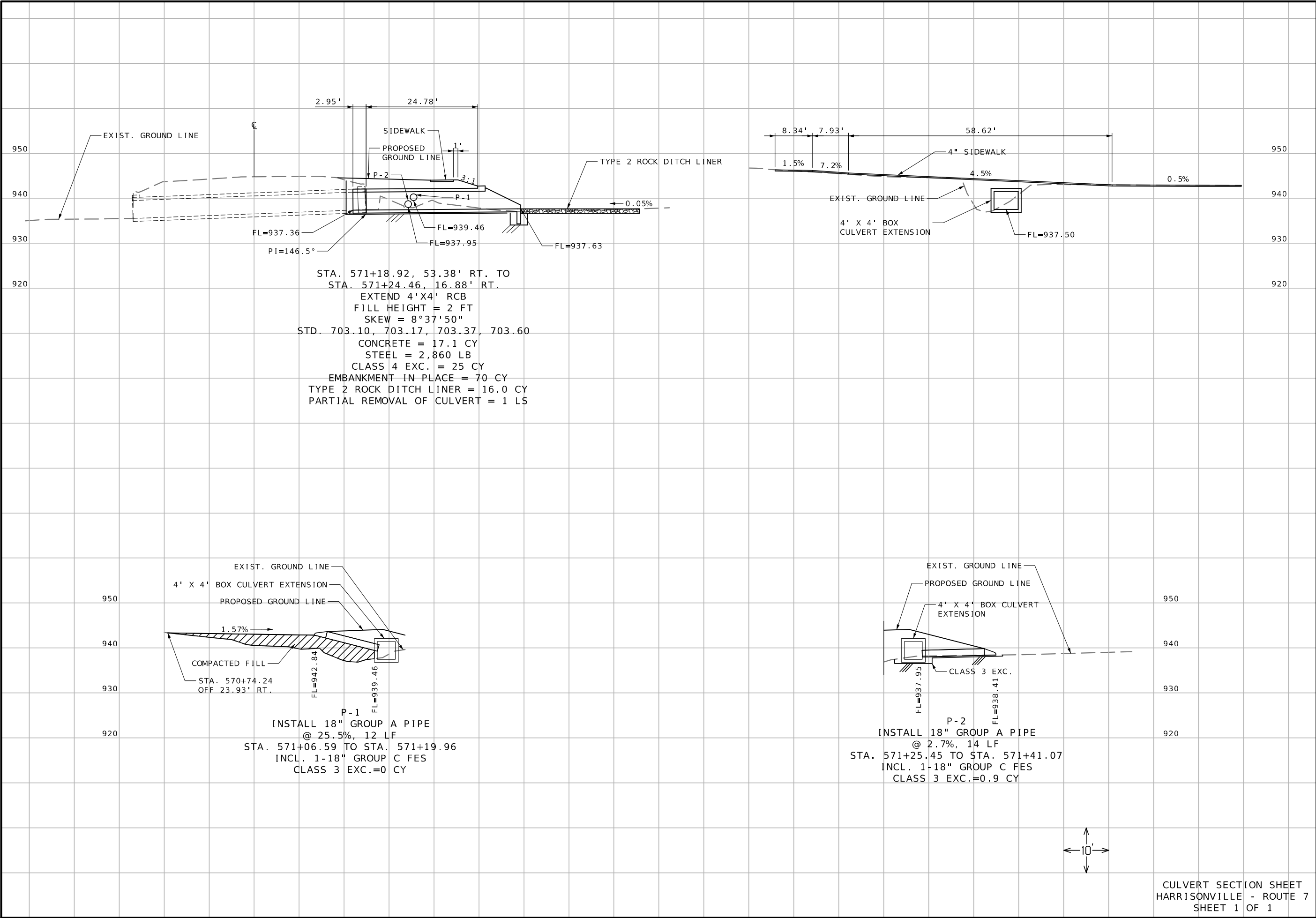
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-663-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/126_SN_D-29_J4P3268D_150.dgn 11:08:20 AM 2/29/2024



STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
128

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Bartlett & West

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PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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CULVERT SECTION SHEET
HARRISONVILLE - ROUTE 7
SHEET 1 OF 1

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/128_CS_J4P3268D.dgn 11:08:43 AM 2/29/2024