

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. 0)
 A.A.D.T. - 2022 = 1,078
 F.C. - MAJOR COLLECTOR
 V = 25 M.P.H.

HARRSIONVILLE (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.

F.C." = FUNCTIONAL CLASSIFICATION

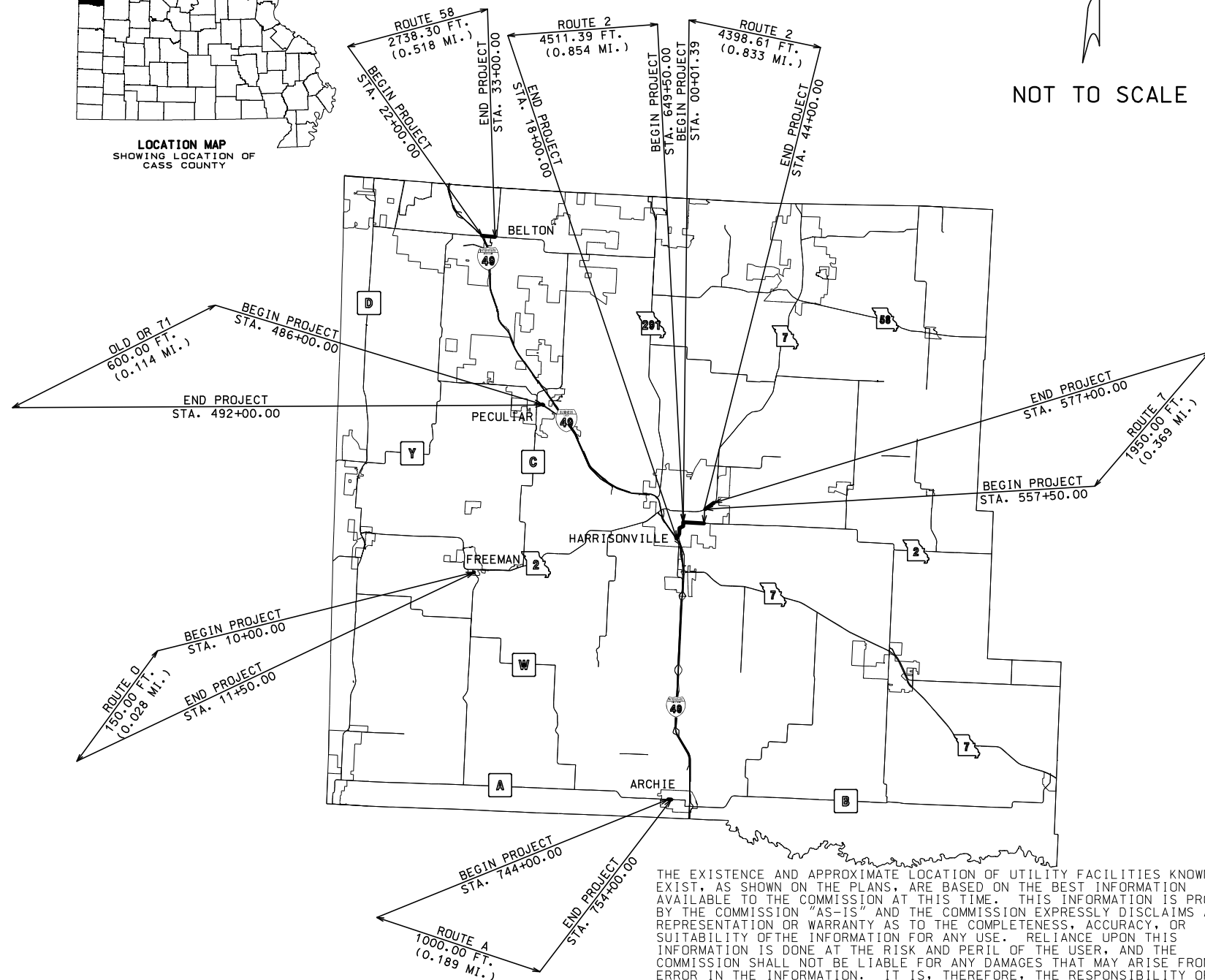
CONVENTIONAL SYMBOLS (USED IN PLANS)

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

NOTE: EXISTING OR OPEN SYMBOLS INDICATE EXISTING FEATURES

AF
HA

LOCATION MAP
SHOWING LOCATION OF
CASS COUNTY



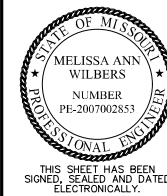
INDEX OF SHEETS

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

LENGTH OF PROJECT

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:
 38+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 N 1

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

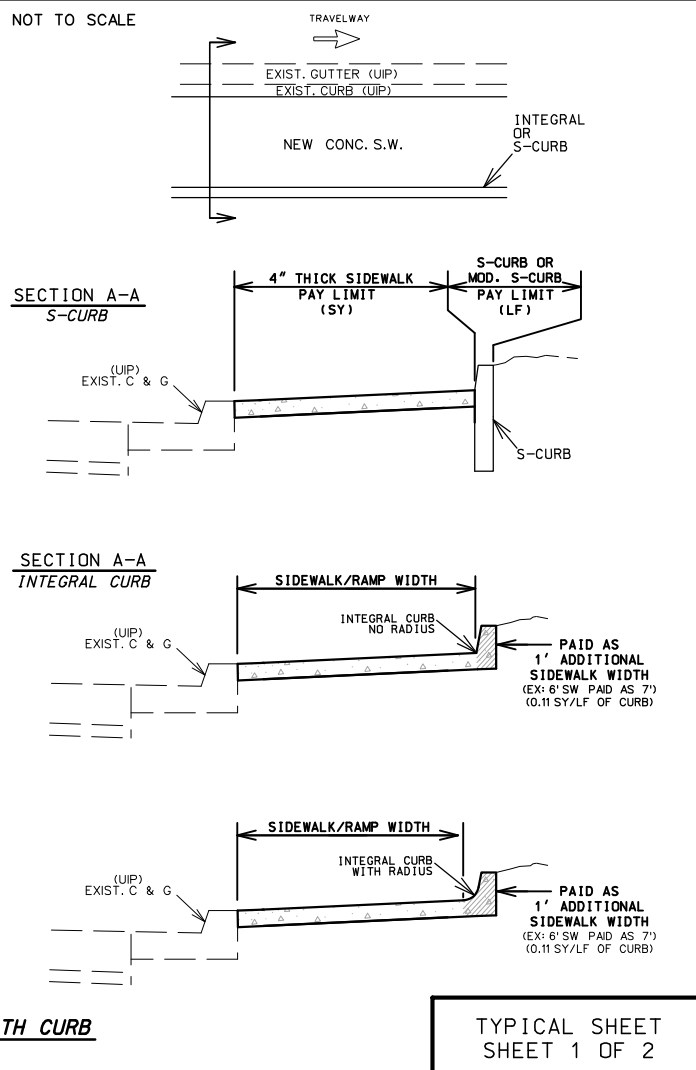
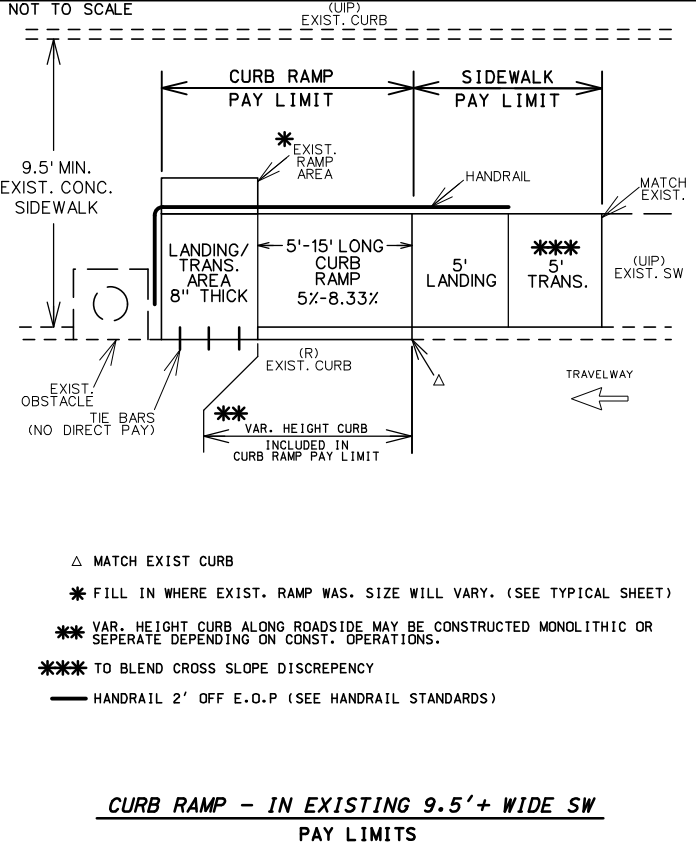
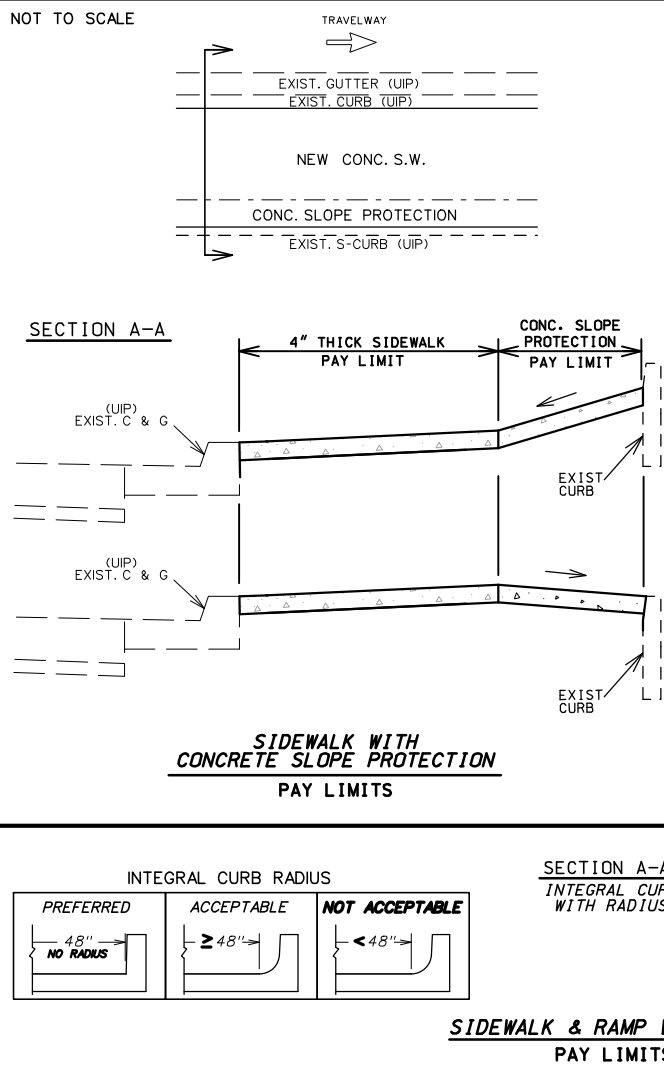
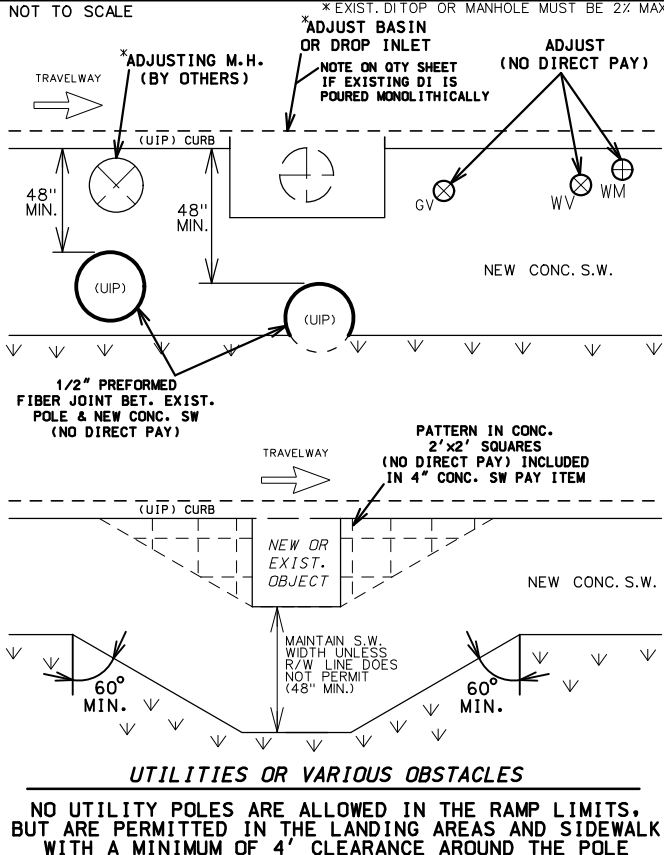
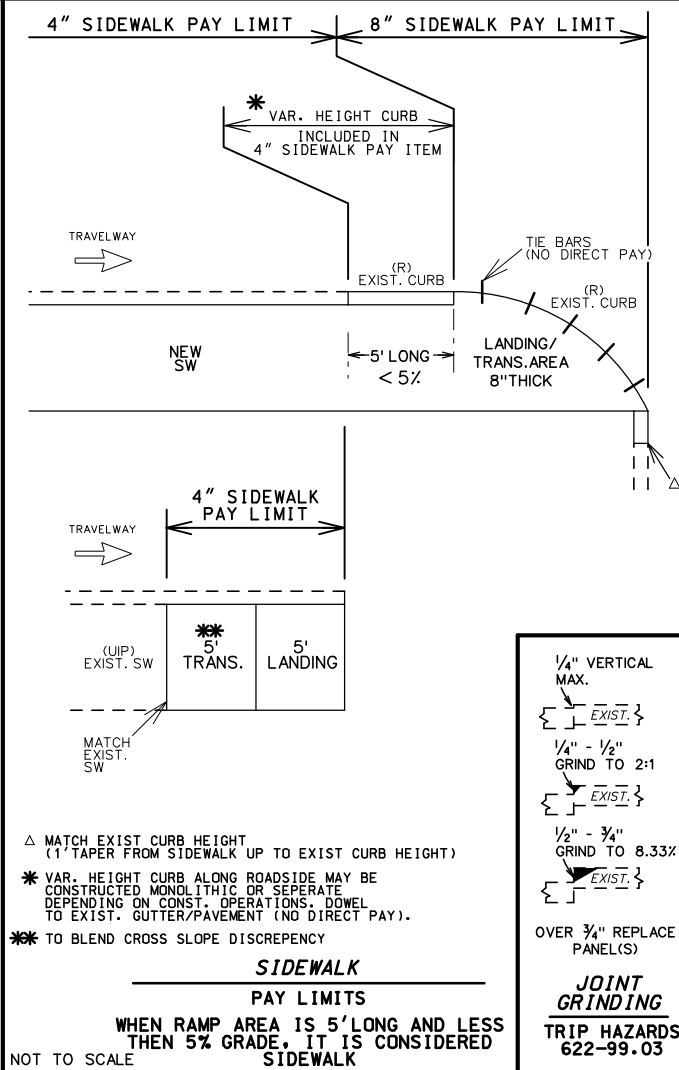
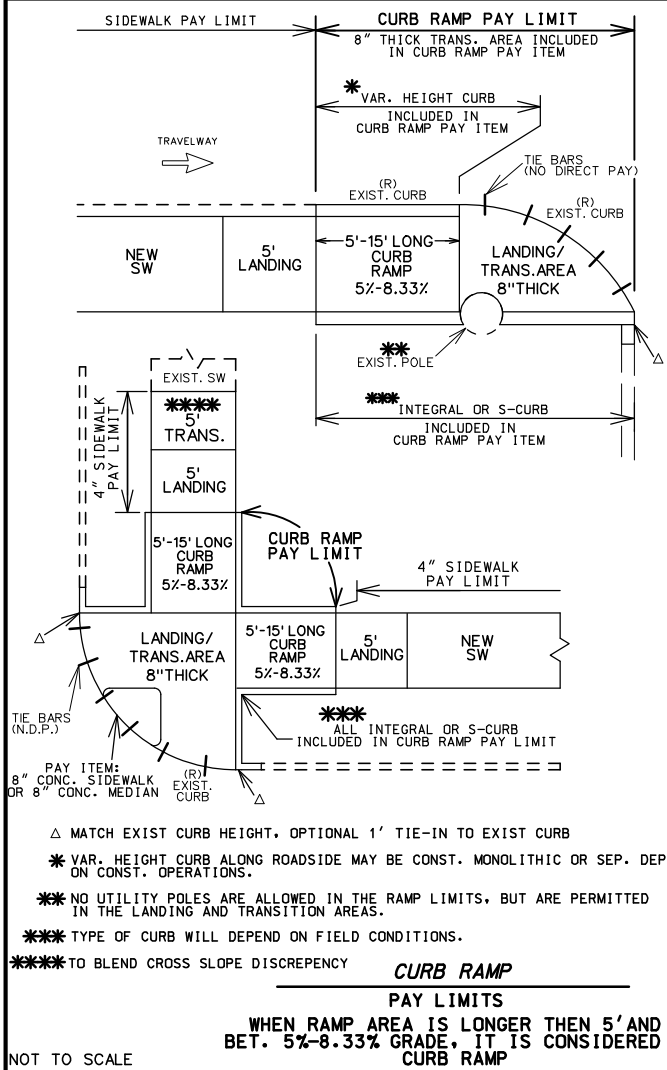
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PHONE 373-6343181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

Bartlett & West

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)

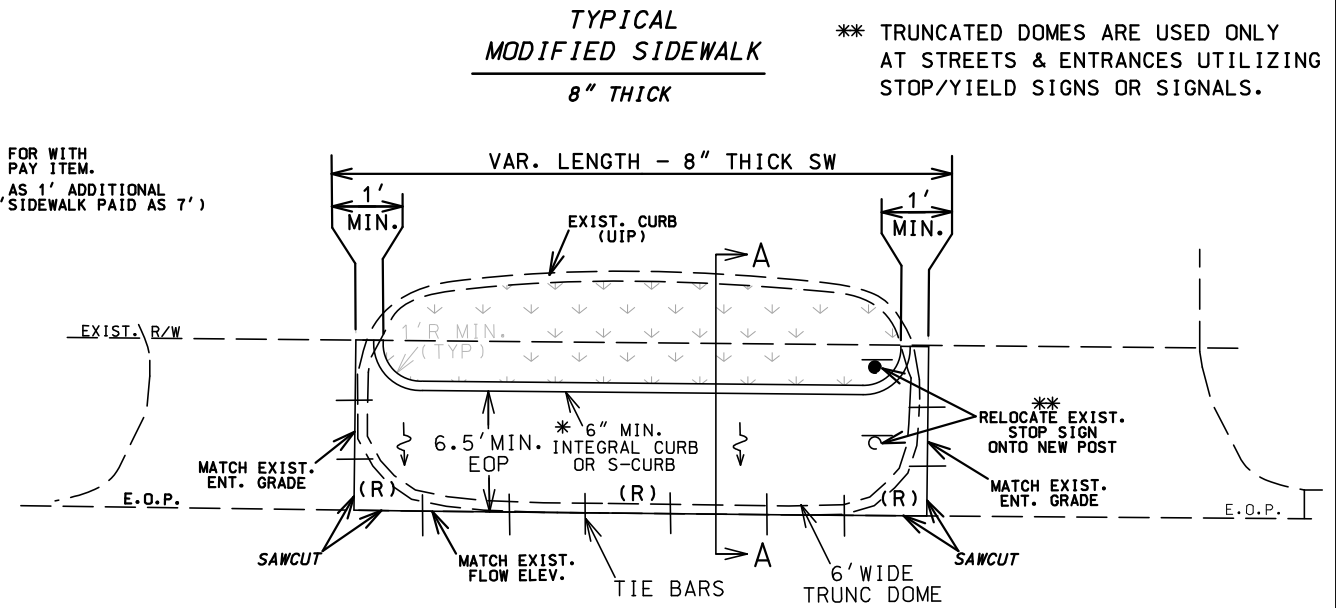
Bartlett & West

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

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 1/2" THICK
THE 8" CONC. SIDEWALK
INTEGRAL CURB IS 1/2" THICK
SIDEWALK WIDTH (E) = 0.11 SY/LF OF CURB

* 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)

EXIST. PARKING LOT

(UIP)

4" THICK

6' WIDE (5' MIN.)

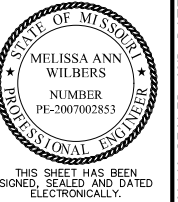
S-CURB

*INTEGRAL CURB

EXIST. F.O.P.

NOT TO SCALE

** TRUNCATED DOMES ARE USED ONLY
 AT STREETS & ENTRANCES UTILIZING
 STOP/YIELD SIGNS OR SIGNALS.



DATE PREPARED
2/29/2024

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
KC	2

COUNTY
CASS

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

COMMISSION



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

Bartlett & West

PHONE 373-6343181
 CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
 WWW.BARTLETTWEST.COM

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	

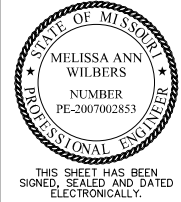
SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
A	748+87.50	748+96.50	LT	4.5	6' SIDEWALK
A	748+92.00	748+97.20	LT	3.0	
A	748+92.20	748+97.20	RT	5.1	
TOTAL				12.6	

PAVEMENT MARKING (PERMANENT)					
ROUTE	STA	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK	PAVEMENT MARKING REMOVAL	REMARKS
			(EA)	(LF)	
A	748+94.70	RT/LT	5	47	
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
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 572-634-3161
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 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

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

Bartlett & West

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

PHONE 572-634-3161

2/29/2024

SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
58	23+00.40	23+16.30	LT	9.8	6' SIDEWALK
58	23+43.50	23+53.40	RT	5.4	6' SIDEWALK
58	23+86.90	24+63.30	RT	52.4	6' SIDEWALK
58	24+72.60	24+81.50	LT	4.5	6.5' SIDEWALK
58	26+06.30	26+13.40	LT	3.3	6' SIDEWALK
58	29+38.00	29+44.00	RT	4	6' SIDEWALK
58	30+41.10	30+62.60	LT	14.2	6' SIDEWALK
58	31+68.00	31+74.00	RT	4.1	6' SIDEWALK
58	36+18.40	36+43.70	LT	14.6	
58	37+18.20	37+24.20	RT	4	6' SIDEWALK
58	37+18.40	37+26.20	LT	4.3	6' SIDEWALK
58	37+29.40	37+42.90	LT	6.1	
58	A21+94.40	A22+16.90	LT	20.5	
58	A22+16.60	A22+22.60	RT	4	6' SIDEWALK
58	A24+86.80	A24+92.80	LT	4	6' SIDEWALK
58	A25+58.40	A25+64.40	LT	4	6' SIDEWALK
58	A25+92.20	A25+98.20	RT	4	6' SIDEWALK
58	A27+01.10	A27+27.20	RT	17.3	6' SIDEWALK
58	A27+54.90	A27+60.90	LT	4	6' SIDEWALK
58	A29+30.80	A30+79.70	RT	98.7	6' SIDEWALK
58	A30+03.50	A30+79.70	RT	50.2	6' SIDEWALK
58	A30+79.00	A30+95.10	RT	8.9	
58	A30+91.00	A30+97.20	LT	2.9	6' SIDEWALK
58	A31+19.90	A31+43.60	LT	16.3	
58	A31+20.10	A31+25.70	RT	2.7	
58	A32+08.90	A32+15.10	RT	2.9	
58	A32+26.20	A32+37.00	RT	5.7	
58	A32+26.70	A32+32.80	LT	4.7	7' SIDEWALK
TOTAL				327.3	

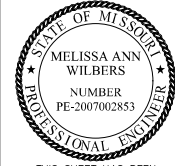
L LINEAR GRADING FOR SIDEWALKS						
ROUTE	STA	STA	LOCATION	LINEAR GRADING FOR SIDEWALKS	EMBANKMENT IN PLACE	REMARKS
				STA	CY	
58	22+90.70	23+16.30	LT	0.3		
58	23+45.50	23+71.60	RT	0.3		
58	23+80.50	24+63.30	RT	0.9		
58	23+91.40		LT		0.5	
58	24+72.60	24+85.20	LT	0.2		
58	25+03.10	25+43.20	LT	0.4		
58	25+97.40	26+13.40	LT	0.2		
58	29+19.40	29+44.00	RT	0.2		
58	30+41.10	30+83.60	LT	0.4		
58	30+47.10	30+69.00	LT	0.2		REGRADE SLOPE
58	31+68.00	31+91.60	RT	0.2		
58	36+18.50	36+43.70	LT	0.3		
58	37+18.20	37+59.20	RT	0.4		
58	37+18.40	37+41.10	LT	0.2		
58	37+29.40	37+56.80	LT	0.3		
58	38+06.50	A22+22.60	RT	0.5		
58	38+24.50	A22+16.90	LT	0.7		
58	37+77.00	38+03.90	LT	0.3		
58	A25+38.10	A25+64.40	LT	0.3		
58	A25+92.20	A26+25.20	RT	0.3		
58	A26+73.40	A27+02.70	LT	0.3		
58	A26+81.20		LT		0.2	
58	A26+90.50	A27+27.20	RT	0.4		
58	A27+35.10	A27+60.90	LT	0.3		
58	A29+30.80	A29+60.40	RT	0.3		
58	A30+03.50	A31+25.70	RT	1.3		
58	A30+91.00	A31+40.60	LT	0.5		
58	A31+29.10	A31+43.60	LT	0.2		
58	A31+89.50	A32+32.70	LT	0.4		
58	A32+08.90	A32+37.10	RT	0.5		
TOTAL				10.7	0.7	

EROSION CONTROL						
ROUTE	STA	LOCATION	CURB INLET CHECK	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
			EA	LF	CY	
58	27+10.50	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	27+12.80	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	27+29.40	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	27+29.90	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	28+26.90	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	29+50.40	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	29+50.90	RT		3.0	1.0	USE AS DIRECTED BY ENGINEER
58	30+42.20	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	30+42.74	RT		3.0	1.0	USE AS DIRECTED BY ENGINEER
58	31+57.00	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	31+76.60	RT		3.0	1.0	USE AS DIRECTED BY ENGINEER
58	32+55.10	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	32+55.10	RT		3.0	1.0	USE AS DIRECTED BY ENGINEER
58	36+30.90	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	36+31.20	LT		6.0	2.0	USE AS DIRECTED BY ENGINEER
58	36+57.10	RT		6.0	2.0	USE AS DIRECTED BY ENGINEER
58	36+57.30	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A25+94.80	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A25+96.40	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A31+13.90	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A31+48.40	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A31+85.20	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A32+42.30	RT	1.0		1.0	USE AS DIRECTED BY ENGINEER
58	A32+43.90	LT	1.0		1.0	USE AS DIRECTED BY ENGINEER
TOTAL			18	24	26	
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						

CONCRETE MEDIAN STRIP						
ROUTE	STA	STA	LOCATION	6 IN. CONCRETE MEDIAN STRIP	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	REMARKS
				SY	SY	
58	23+51.70	23+71.60	RT	14.0	14.0	
58	25+03.10	25+08.20	LT	1.0	1.0	
58	30+48.10	30+78.20	LT	10.9	10.9	
58	37+22.00	37+55.90	LT	30.0	30.0	
58	37+78.50	38+01.90	LT	13.2	13.2	
58	38+25.10	A22+00.80	LT	13.9	13.9	
58	A22+05.30	A22+11.90	LT	7.9	7.9	
58	A26+59.70	A26+82.80	RT	35.9	35.9	
58	A26+73.00	A27+03.70	LT	8.7	8.7	
58	A30+79.00	A31+16.40	RT	10.2	10.2	
58	A31+09.00	A31+35.30	LT	15.5	15.5	
58	A32+05.10	A32+33.40	RT	19.2	19.2	
TOTAL				180.2	180.2	
MEDIAN CURB INCLUDED IN CONCRETE MEDIAN COST						

PCC PAVED APPROACH						
ROUTE	STA	LOCATION	PAVED APPROACH, 8 IN.	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	LINEAR GRADING CLASS 1	REMARKS
			SY	SY	STA.	
58	30+58.20	LT	27.1	27.1	0.2	
58	37+83.67	RT	60.6	60.6	0.6	
58	A26+63.32	RT	60.7	60.7	0.4	
58	A26+63.32	RT	64.6	64.6	0.2	
TOTAL			213.0	213.0	1.3	

BELTON – ROUTE 58
SUMMARY OF QUANTITIES
SHEET 3 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



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 872-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

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	

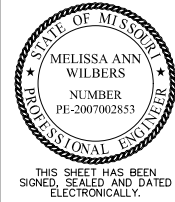
LINEAR GRADING FOR SIDEWALKS					
ROUTE	STA	STA	LOCATION	LINEAR GRADING FOR SIDEWALKS	REMARKS
				STA	
0	10+37.00	10+80.80	RT	0.4	
0	10+72.50	10+87.60	RT	0.2	REGRADE DITCH
TOTAL				0.6	

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.

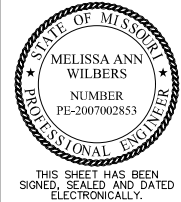
SIDEWALK					
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	REMARKS
				SY	
2 (IND. ST.)	649+93.20	650+03.20	LT	5.3	
2 (IND. ST.)	650+11.30	650+16.00	RT	2.5	
2 (IND. ST.)	650+79.60	650+84.90	RT	3.8	
2 (IND. ST.)	650+83.30	650+94.80	RT	6.0	
2 (IND. ST.)	651+05.80	651+15.90	RT	5.6	
2 (IND. ST.)	651+12.30	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.	
DESCRIPTION	
DATE	



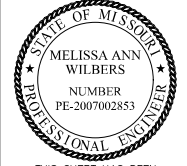
Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

CONCRETE CURB RAMP (TABLE 1 OF 2)						
ROUTE	STA	STA	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
				SY	SF	
2 (IND. ST.)	650+03.20	650+23.60	LT	17.1	33.6	
2 (IND. ST.)	650+08.10	650+21.40	RT	7.5	28.7	
2 (IND. ST.)	650+68.90	650+84.90	RT	7.3	14.4	
2 (IND. ST.)	650+84.90	651+12.20	LT	14.6	28.5	
2 (IND. ST.)	650+94.80	651+05.80	RT	8.0	9.6	
2 (IND. ST.)	651+15.90	651+22.40	RT	3.4		
2 (IND. ST.)	651+56.50	651+71.70	RT	8.0		
2 (IND. ST.)	652+05.70	652+20.40	RT	8.0		
2 (IND. ST.)	652+31.80	652+44.20	RT	6.9		
2 (IND. ST.)	652+57.70	652+67.70	RT	2.8		
2 (IND. ST.)	653+10.60	653+25.20	RT	7.9		
2 (IND. ST.)	653+42.70	653+57.30	RT	7.9		
2 (IND. ST.)	654+11.50	654+28.80	RT	8.7	9.6	
2 (IND. ST.)	654+62.00	654+78.70	RT	8.5	9.6	
2 (IND. ST.)	654+89.10	654+94.30	RT	2.9	9.6	
2 (IND. ST.)	655+14.80	655+29.40	RT	7.9		
2 (IND. ST.)	655+42.40	655+57.00	RT	7.9		
2 (IND. ST.)	656+72.30	656+86.80	RT	7.9		
2 (IND. ST.)	656+97.30	657+11.40	RT	7.7		
2 (IND. ST.)	657+33.30	657+47.60	RT	7.8		
2 (IND. ST.)	657+57.60	657+72.40	RT	7.9		
2 (IND. ST.)	658+80.30	658+96.00	RT	7.7		
2 (IND. ST.)	659+08.80	659+24.60	RT	7.7		
2 (IND. ST.)	661+20.30	661+34.10	RT	6.6		
2 (IND. ST.)	661+45.70	661+60.20	RT	7.2		
2 (IND. ST.)	663+72.50	663+89.20	RT	8.4	9.6	
2 (IND. ST.)	664+17.00	664+32.30	RT	7.8	9.6	
2 (IND. ST.)	665+79.30	665+94.70	RT	8.0		
2 (IND. ST.)	666+15.20	666+30.40	RT	7.9		
2 (COM. ST.)	856+39.50	856+52.10	LT	14.3	9.6	
2 (COM. ST.)	856+46.10	856+51.60	RT	8.0	9.6	
2 (COM. ST.)	865+02.80	865+15.00	RT	14.0	9.6	
2 (COM. ST.)	865+54.80	865+70.00	RT	10.9	9.6	
2 (COM. ST.)	866+58.50	866+73.60	LT	7.9		
2 (COM. ST.)	09+36.00	09+53.20	RT	8.3	9.6	
2 (COM. ST.)	10+00.30	10+26.80	RT	20.0	9.6	
2 (COM. ST.)	16+60.50	16+78.30	RT	8.7	9.6	
2 (COM. ST.)	17+61.30	17+81.30	RT	12.1	11.6	
2 (SOU. ST.)	01+18.70	01+31.70	LT	7.2		
2 (SOU. ST.)	01+83.20	01+88.20	LT	2.8		
2 (SOU. ST.)	02+09.30	02+25.50	LT	8.3	9.6	
2 (SOU. ST.)	02+46.30	02+53.40	LT	3.4	9.6	
2 (SOU. ST.)	04+26.10	04+39.10	LT	7.2		
2 (SOU. ST.)	04+58.90	04+71.90	LT	7.2		
2 (SOU. ST.)	05+13.30	05+26.30	LT	7.2		
2 (SOU. ST.)	05+43.90	05+56.90	LT	7.2		
2 (SOU. ST.)	05+91.80	06+04.80	LT	7.2		
2 (SOU. ST.)	06+21.00	06+34.00	LT	7.2		
2 (SOU. ST.)	08+24.10	08+30.90	LT	3.5	9.6	
2 (SOU. ST.)	08+55.40	08+68.70	LT	7.3	9.6	
2 (SOU. ST.)	12+93.10	13+11.00	LT	9.2	9.6	
2 (SOU. ST.)	13+39.30	13+59.30	LT	9.6	9.6	
2 (SOU. ST.)	15+19.60	15+24.70	LT	7.4	9.6	
2 (SOU. ST.)	15+19.80	15+24.80	RT	6.7	9.6	
2 (SOU. ST.)	16+36.80	16+50.80	RT	7.6	9.6	
2 (SOU. ST.)	26+57.30	26+80.70	RT	17.1	14.6	
2 (SOU. ST.)	27+13.00	27+29.40	RT	7.8	9.6	
2 (SOU. ST.)	28+70.50	28+83.60	RT	7.3		
2 (SOU. ST.)	29+01.60	29+14.70	RT	7.2		
2 (SOU. ST.)	29+63.20	29+78.00	RT	7.9	9.6	
2 (SOU. ST.)	30+02.90	30+22.30	RT	16.2	9.6	
2 (SOU. ST.)	30+75.30	30+88.30	RT	7.2		
2 (SOU. ST.)	31+12.30	31+32.20	RT	11.1		
2 (SOU. ST.)	31+54.00	31+67.00	RT	7.2		
2 (SOU. ST.)	32+25.50	32+38.50	RT	7.2		
2 (SOU. ST.)	32+58.70	32+71.80	RT	7.2		
2 (SOU. ST.)	33+59.20	33+74.30	RT	7.9		
2 (SOU. ST.)	33+92.60	34+06.00	RT	7.4		
2 (SOU. ST.)	35+00.60	35+13.80	RT	7.3		
2 (SOU. ST.)	35+36.70	35+49.80	RT	7.2		
2 (SOU. ST.)	36+61.00	36+76.50	RT	8.0		
2 (SOU. ST.)	36+85.80	36+93.20	RT	3.5		
2 (SOU. ST.)	37+12.50	37+17.50	RT	2.8		
2 (SOU. ST.)	37+41.10	37+46.10	RT	2.8		

CONCRETE CURB RAMP (TABLE 2 OF 2)						
ROUTE	STA	STA	LOCATION	CONCRETE CURB RAMP	TRUNCATED DOMES	REMARKS
				SY	SF	
2 (SOU. ST.)	40+31.70	40+49.10	RT	14.0	9.6	
2 (SOU. ST.)	40+74.80	40+88.30	RT	7.4	9.6	
2 (SOU. ST.)	42+67.30	42+84.50	LT	11.7	9.6	
2 (SOU. ST.)	42+67.90	42+72.90	RT	8.1	9.6	
2 (SOU. ST.)	42+87.40	42+92.40	RT	2.8		
2 (SOU. ST.)	43+03.70	43+08.70	RT	2.8		
TOTAL				645.4	409.8	
INTEGRAL CURB INCLUDED IN CURB RAMP COST. SEE TYPICAL SHEETS FOR PAY ITEM LIMITS.						

HARRISONVILLE – ROUTE 2
SUMMARY OF QUANTITIES
SHEET 8 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 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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



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



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

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.	CLASS 3 EXC.	REMARKS
				(LF)	(LF)	(EA)	(CY)	
7	571+06.70	571+20.00	RT	12		1	0	
7	571+24.60	571+38.50	RT	14		1	0.9	
7	571+24.60	571+38.50	RT		57		4.7	
7	571+24.60	571+38.50	RT		43		4.0	
TOTAL				26	100	2	9.6	

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	16	16	1	
TOTAL				17.1	2860	25	70	16	16	1	SEE SHEET 128

HARRISONVILLE – ROUTE 7
SUMMARY OF QUANTITIES
SHEET 14 OF 19

STATE OF MISSOURI

MELISSA ANN WILBERS

NUMBER
PE-2007002853

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
10/7/2024

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)

MoDOT

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

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/003_QU_01-19_J4P3268D_I1.dgn 11:36:52 AM 10/7/2024

REMOVAL OF IMPROVEMENTS							
ROUTE	STA	STA	LOCATION	DESCRIPTION	AMOUNT	UNIT	REMARKS
OLD OR 71	488+41.10	488+47.10	RT	EXIST. 15" PIPE	6.0	LF	
OLD OR 71	488+42.20	488+46.40	RT	EXIST. SIDEWALK	8.0	SY	SAWCUT @ 4'
OLD OR 71	489+43.80	489+58.80	RT	EXIST. SIDEWALK	6.5	SY	2 SAWCUTS @ 4'
OLD OR 71	489+81.50	489+86.90	RT	EXIST. 15" PIPE	5.4	LF	
OLD OR 71	489+81.90	489+86.40	RT	EXIST. SIDEWALK	11.1	SY	SAWCUT @ 4'
TOTAL					1	LUMP SUM	

LINEAR GRADING FOR SIDEWALKS						
ROUTE	STA	STA	LOCATION	LINEAR GRADING FOR SIDEWALKS	EMBANKMENT IN PLACE	REMARKS
				STA	CY	
OLD OR 71	488+31.30	488+47.70	LT	0.3		
OLD OR 71	488+39.70		RT		1.9	
OLD OR 71	488+42.20	488+47.10	RT	0.2		
OLD OR 71	488+49.70		RT		1.9	
OLD OR 71	488+53.80	488+80.90	LT	0.3		REGRADE DITCH
OLD OR 71	489+43.80	489+58.80	RT	0.4		
OLD OR 71	489+46.30		RT		1.9	
OLD OR 71	489+48.40	489+72.10	LT	0.3		
OLD OR 71	489+56.30		RT		1.9	
TOTAL				1.5	5.7	

SIDEWALK						
ROUTE	STA	STA	LOCATION	CONCRETE SIDEWALK 4 IN.	TRUNCATED DOMES	REMARKS
				SY	SF	
OLD OR 71	488+31.50	488+47.20	LT	11.9	10	
OLD OR 71	488+42.20	488+47.20	RT	10	10	
OLD OR 71	489+43.80	489+58.80	RT	21.3	10	
OLD OR 71	489+48.80	489+71.90	LT	15.6	10	
TOTAL				58.8	40	

CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S					
ROUTE	STA	STA	LOCATION	LF	REMARKS
OLD OR 71	488+31.30	488+47.70	LT	26.8	
OLD OR 71	489+48.30	489+72.10	LT	33.0	
TOTAL				59.8	

SEEDING AND MULCH						
ROUTE	STA	STA	LOCATION	SEEDING	MULCHING	REMARKS
				SY	SY	
OLD OR 71	488+28.70	488+52.70	LT	18.3	18.3	
OLD OR 71	488+34.60	488+42.20	LT	2.0	2.0	
OLD OR 71	488+37.20	488+42.20	RT	12.8	12.8	
OLD OR 71	488+47.10	488+52.20	RT	12.8	12.8	
OLD OR 71	489+38.70	489+63.80	RT	13.9	13.9	
OLD OR 71	489+38.80	489+48.80	RT	16.3	16.3	
OLD OR 71	489+43.40	489+74.10	LT	21.8	21.8	
OLD OR 71	489+53.80	489+63.80	RT	16.3	16.3	
OLD OR 71	489+53.90	489+67.30	LT	2.1	2.1	
TOTAL				116.3	116.3	
NOTE: ASSUMES 3 FT. WIDE BETWEEN BACK OF CURB TO EDGE OF IMPROVEMENTS WITH 5 FT. WIDE OUTSIDE OF IMPROVEMENTS. (8 FT. TOTAL)						

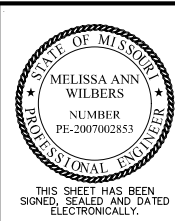
EROSION CONTROL					
ROUTE	STA	LOCATION	ALTERNATE DITCH CHECK	SEDIMENT REMOVAL	REMARKS
			LF	CY	
OLD OR 71	488+36.70	RT	3.0	1.0	USE AS DIRECTED BY ENGINEER
OLD OR 71	489+43.30	RT	3.0	1.0	USE AS DIRECTED BY ENGINEER
TOTAL			6	2	
PER EPG 806.6: QUANTITIES FOR SEDIMENT REMOVAL ARE ESTIMATED USING 1 CY PER DITCH CHECK, 1 CY PER 100 LINEAR FEET, OR SILT FENCE AND 10 CY PER SEDIMENT BASIN					

DRAINAGE PIPES AND STRUCTURES							
ROUTE	STA	STA	LOCATION	PIPE COLLAR TYPE A	GROUP C PIPE 15 IN.	CLASS 3 EXC.	REMARKS
				(EA)	(LF)	(CY)	
OLD OR 71	488+36.70	488+52.70	RT		16	1.0	
OLD OR 71	488+42.30	488+53.80	LT	1	10	1.4	
OLD OR 71	489+43.30	489+59.30	RT		16	0.4	
TOTAL				1	42	2.8	

PAVEMENT MARKING (PERMANENT)				
ROUTE	STA	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN. WHITE MIDBLOCK (EA)	REMARKS
OLD OR 71	488+44.70	RT/LT	5	
OLD OR 71	489+51.30	RT/LT	5	
TOTAL			10	

RECTANGULAR RAPID FLASHING BEACONS					
ROUTE	STA	LOCATION	RECTANGULAR RAPID FLASHING BEACONS	BUTTON FOR RRFB	REMARKS
			EA	EA	
OLD OR 71	488+40.00	RT	1	1	
OLD OR 71	488+50.00	LT	1	1	
OLD OR 71	489+46.00	LT	1	1	
OLD OR 71	489+56.00	RT	1	1	
TOTAL			4	4	

PECULIAR – OLD OR 71
SUMMARY OF QUANTITIES
SHEET 15 OF 19



DATE PREPARED 4/1/2024	
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 872-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

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	REMARKS
		SY	SY	SY	SY	STA.	
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					

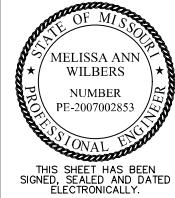
SEEDING AND MULCH				
ROUTE	LOCATION	SEEDING	MULCHING	REMARKS
		SY	SY	
A	ARCHIE	51.1	51.1	
58	BELTON	706.1	706.1	
0	FREEMAN	50.1	50.1	
2	HARRISONVILLE	4345.3	4345.3	
7	HARRISONVILLE	932.4	932.4	
OLD OR 71	PECULIAR	116.3	116.3	
TOTAL (FOR INFORMATION ONLY)		6201.3	6201.3	
USE (ACRES)		1.3	1.3	
NOTE: ASSUMES 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
PHONE 872-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

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	

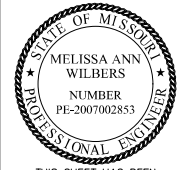
RECTANGULAR RAPID FLASHING BEACONS				
ROUTE	LOCATION	RECTANGULAR RAPID FLASHING BEACONS	BUTTON FOR RRFB	REMARKS
		EA	EA	
A	ARCHIE			
58	BELTON			
0	FREEMAN			
2	HARRISONVILLE			
7	HARRISONVILLE			
OLD OR 71	PECULIAR	4	4	
TOTAL		4	4	
USE		4	4	

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



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



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.

1. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 22+00.00 ROUTE 58 TO STA. 33+00.00 ROUTE 58, A DISTANCE OF 0.518 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.

THE QUARTER CORNER COMMON TO SECTIONS
7 & 18-T46N - R32W AS SHOWN IN
DOCUMENT NO. 600-45070
IS LOCATED 402.11' N86°47'45"W
OF STA. 22+00.00 CENTERLINE OF ROUTE 58
AS SHOWN IN DOCUMENT NO. 600-59578.



R5 - 1



R1 - 2

RELOCATE DO NOT ENTER
AND YIELD SIGN
STA. 23+85

ADJUST PUSH BUTTON WITH
DIRECTION OF TRAFFIC

$$\begin{array}{r} +90.7 \\ \hline 79.2' \text{ LT.} \\ \\ +91.8 \\ \hline 70.4' \text{ LT.} \\ \\ \text{BEGIN CURB RAMP} \\ +86.0, 74.4' \text{ LT.} \end{array}$$

W11-2

 W16-7P
 (1)

REINSTALL
PED CROSSING SIGN
STA. 23+62

+95.6
75.7' LT.
END CURB RAMP, BEGIN TYPE S CURB
+03.1, 71.6' LT.

DND
END 6' SIDEWALK, END TYPE S CURB
+16.3, 66.6' LT.

58.9' LT.
BEGIN 6' SIDEWALK
+00.4, 66.2' LT.

INSTALL 1' EARTH SHOULDER
(INCL. 0.7 CY EMB IN PLACE)

— 6" CONCRETE
MEDIAN
TYPE B CURB
AND GUTTER
+67.7
13.4' RT.

+67.7
14.9' RT.
R 4.00'
+71.6
18.9' R

43.9' RT.

BEGIN 6' SID

RELOCATE
DO NOT ENTER AND YIELD SIGN (2)

Т.

PLAN SHEET
BELTON - ROUTE 58
SHEET 1 OF 6

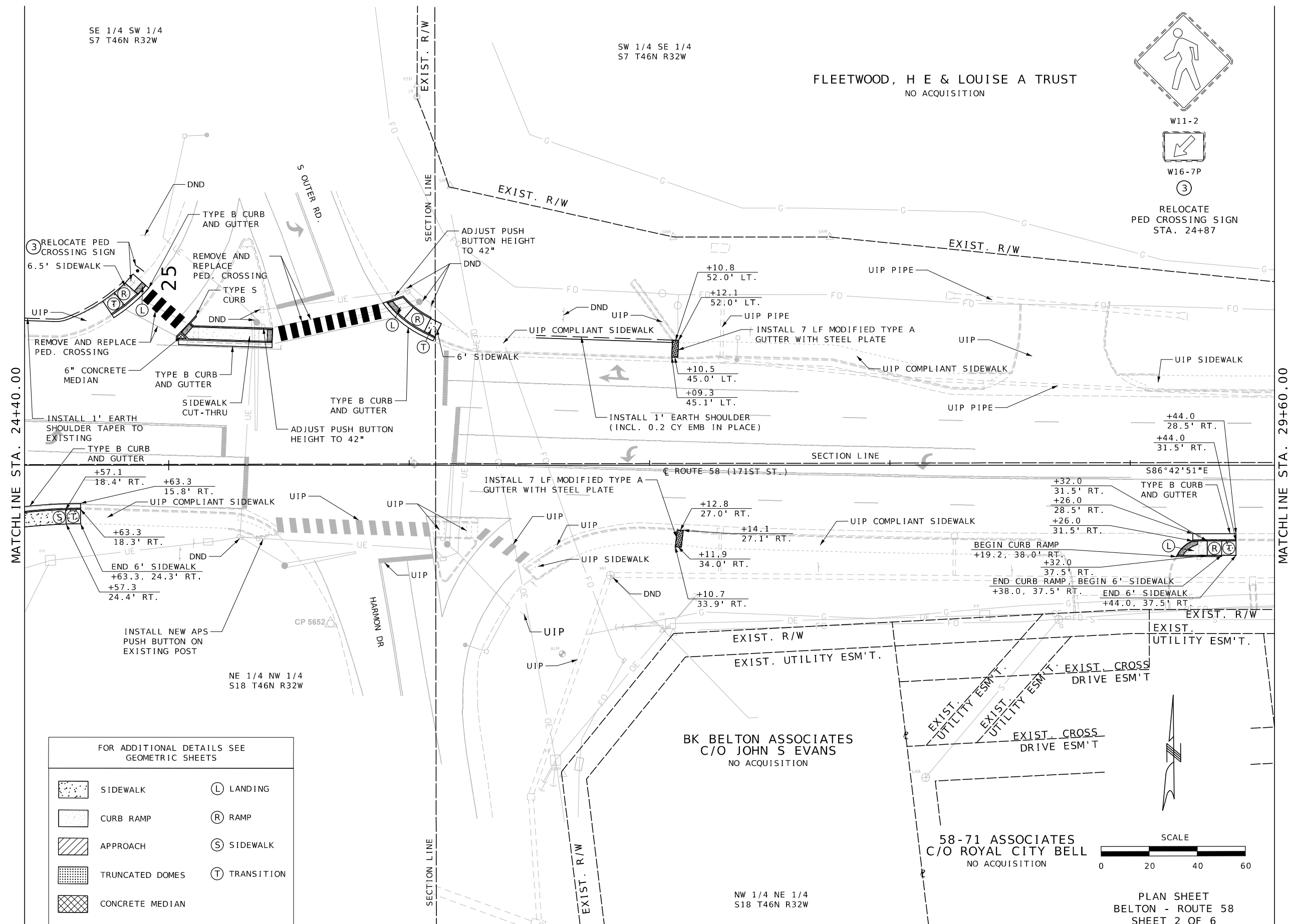
MATCHLINE STA. 24+40.00

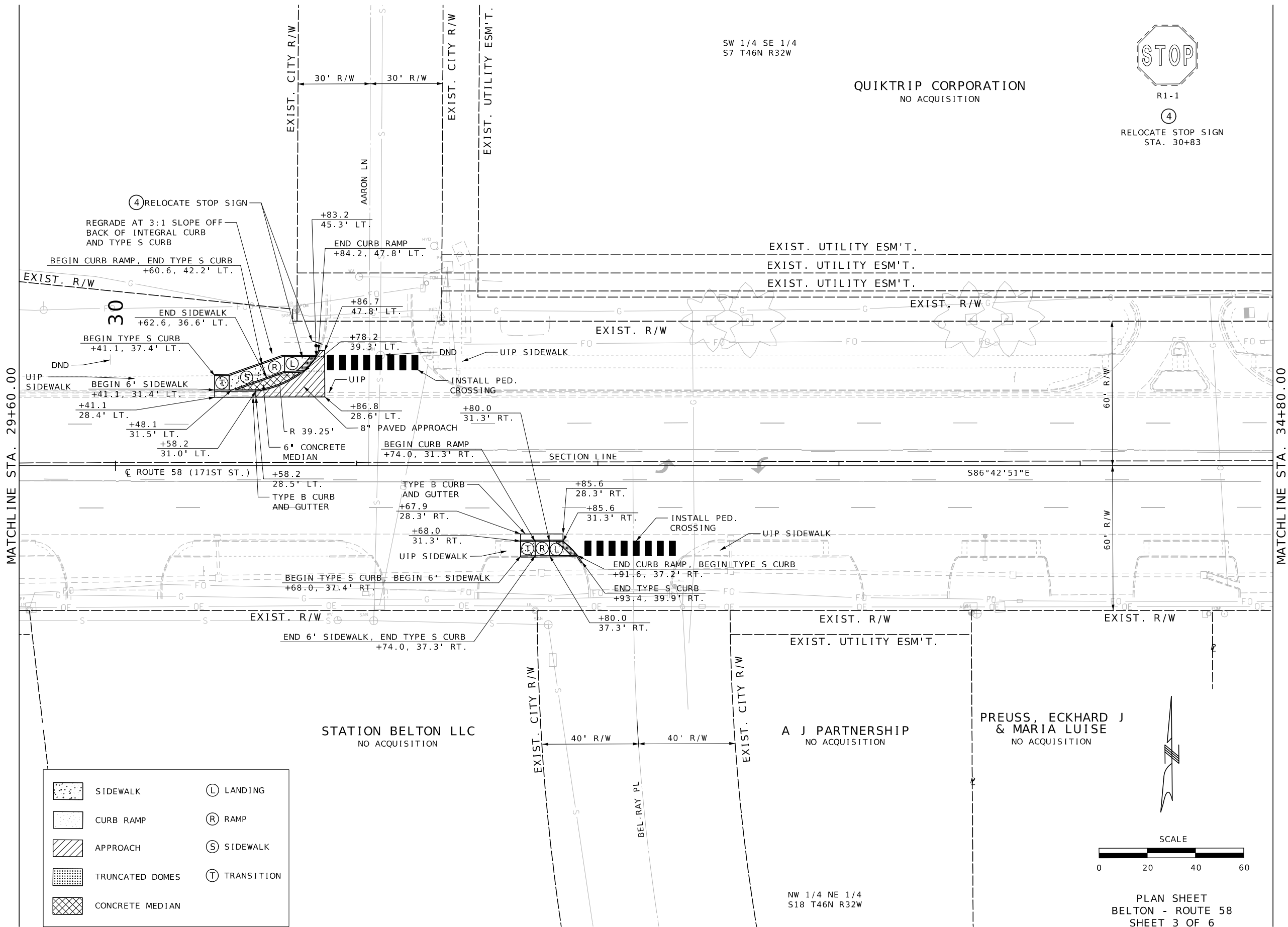
	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

I-49 (SB)

NE 1/4 NW 1/4
S18 T46N R32W

path: \\bartwest-pw.bentley.com:bartwest-pw-01\Documents\Proj\19000\19421\19421.D30\OpenRoads Designer\J4P3268D Cass ADA\plan_sheets\02_Final_Plans\005_PP_J4P3268D_T20.dgn 10:44:35 AM 2/29/2024





SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION

PLAN SHEET
BELTON - ROUTE 58
SHEET 3 OF 6

SCALE
0 20 40 60

DATE PREPARED
2/29/2024

ROUTE
VAR

STATE
MO

DISTRICT
KC

SHEET NO.
7

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

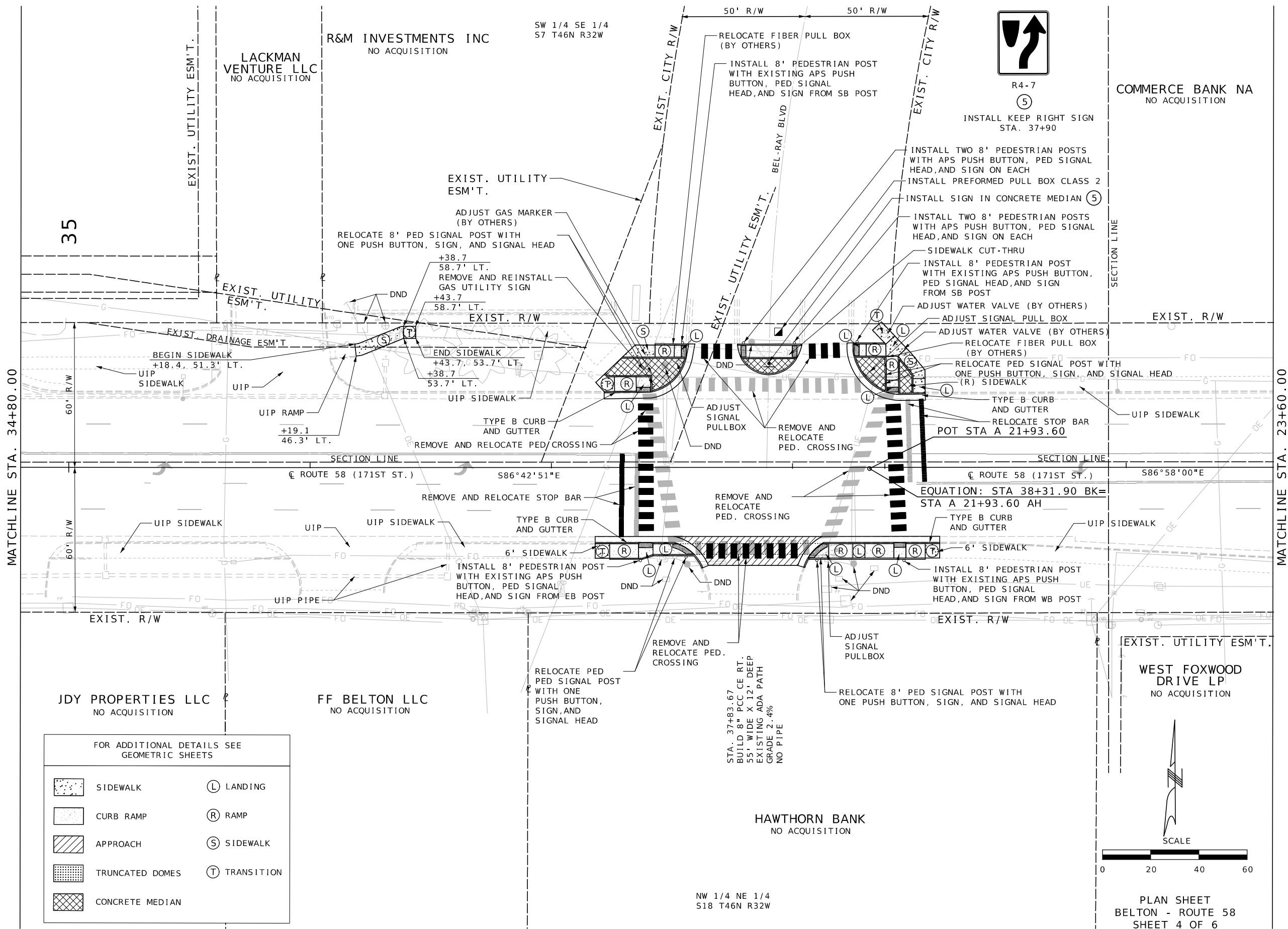
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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/007_PP_J4P3268D_120.dgn 10:45:03 AM 2/29/2024



FOR ADDITIONAL DETAILS SEE GEOMETRIC SHEETS

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

WEST FOXWOOD DRIVE LP
NO ACQUISITION

SCALE

0 20 40 60

PLAN SHEET
BELTON - ROUTE 58
SHEET 4 OF 6

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 8

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

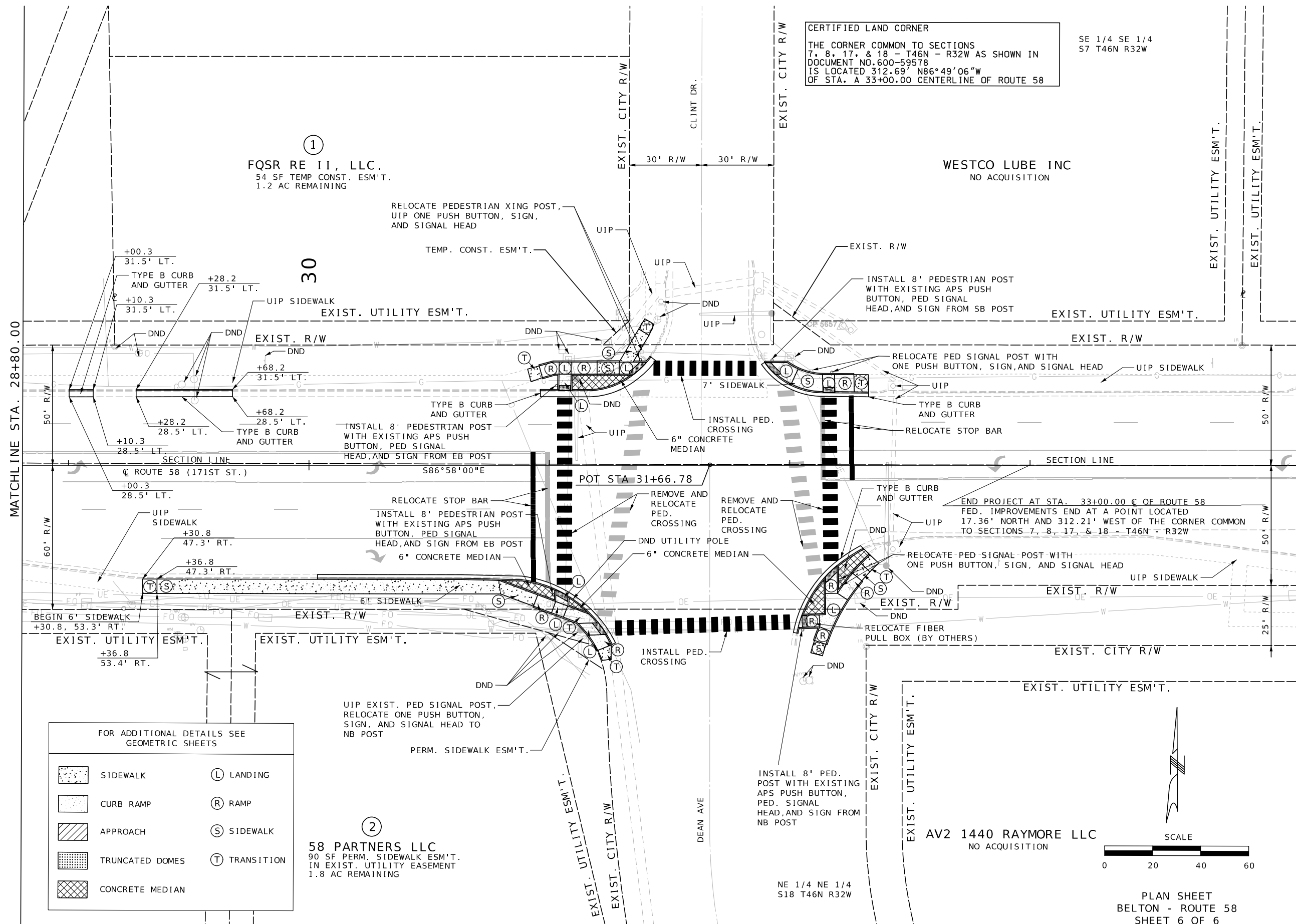
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

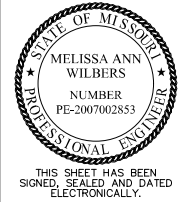
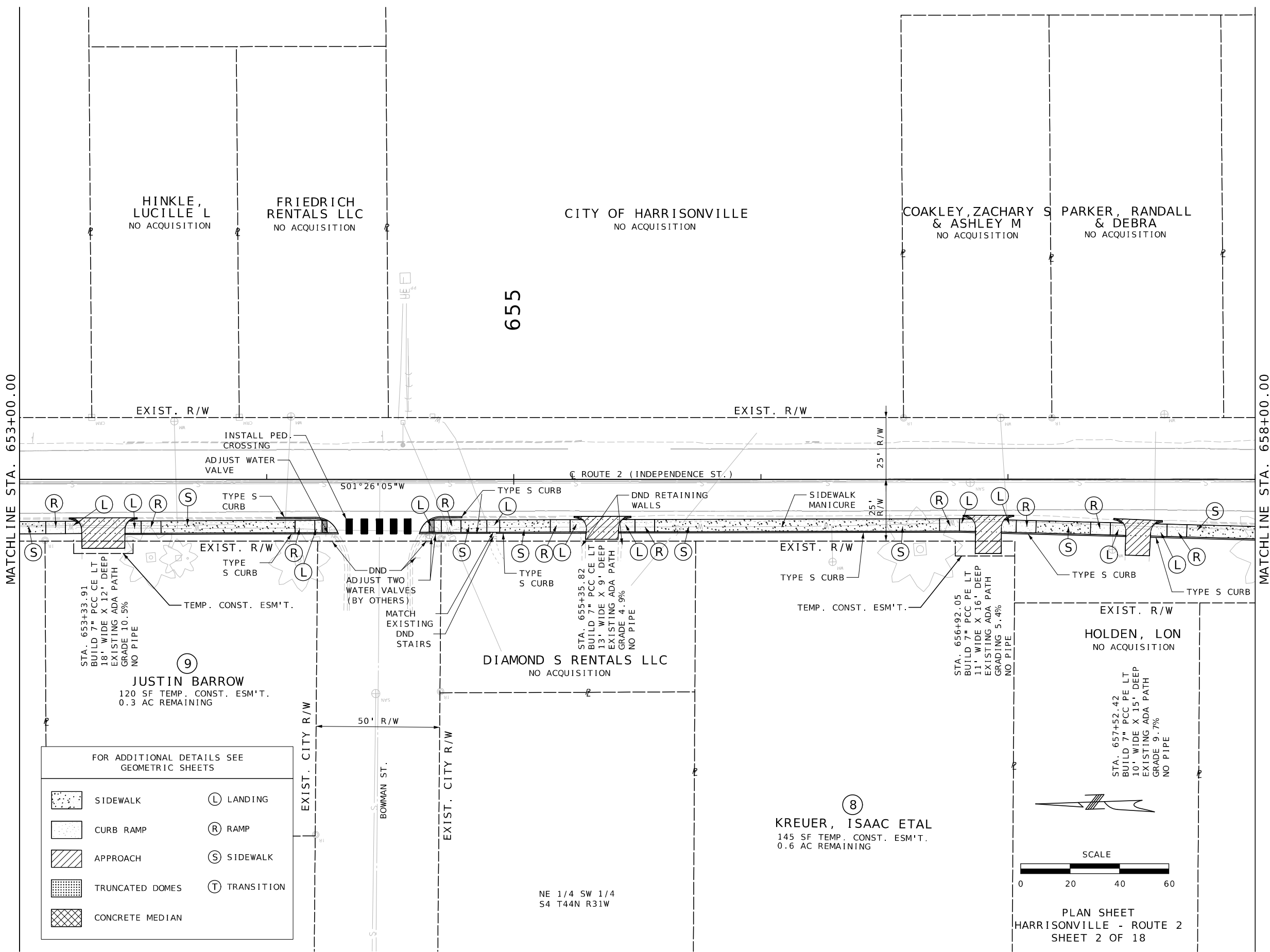
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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



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. 13
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

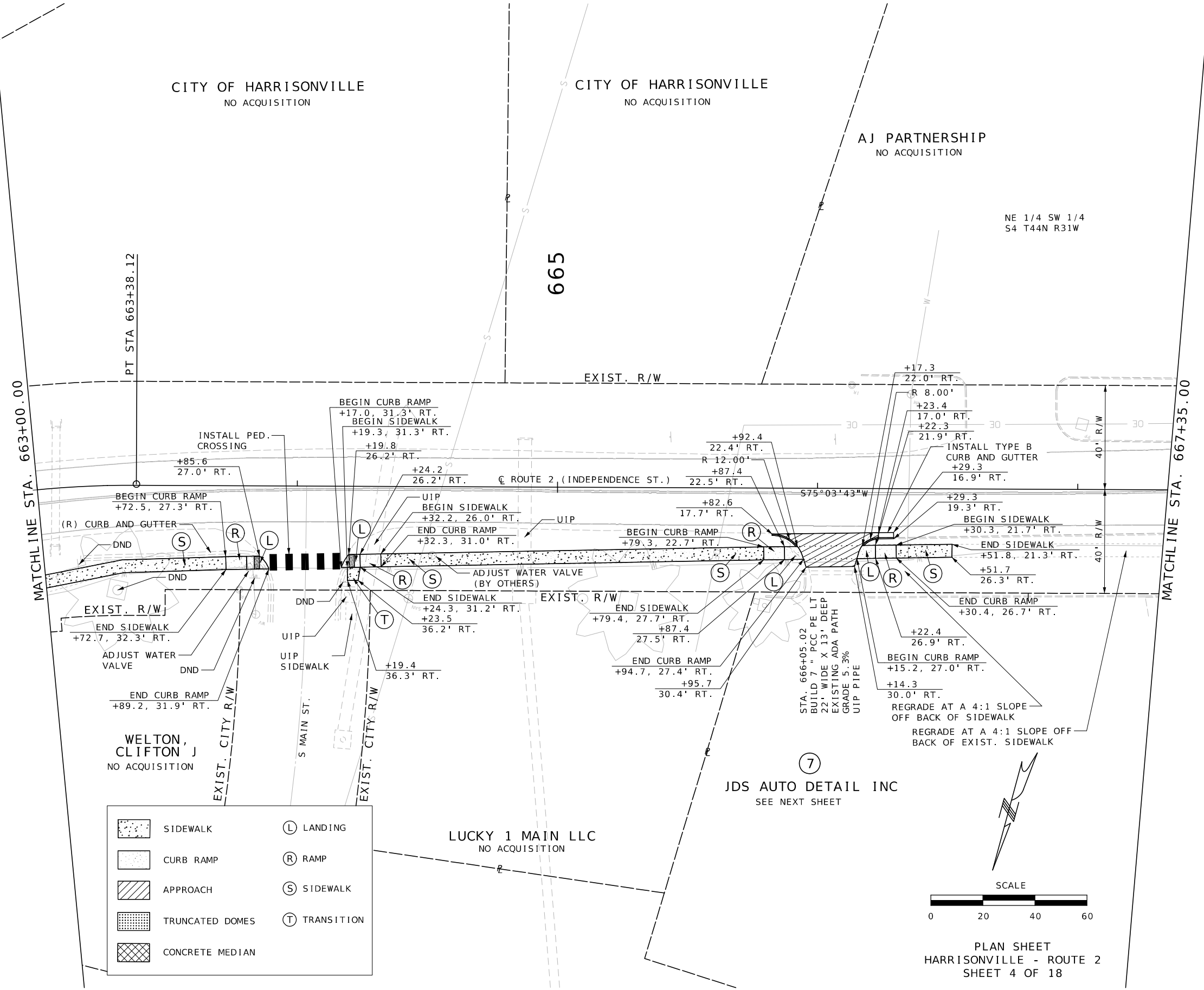
DESCRIPTION	DATE

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



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

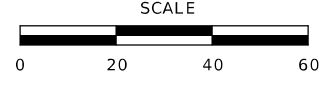
CONCRETE MEDIAN

LANDING

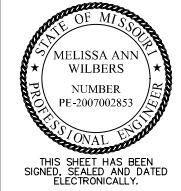
RAMP

SIDEWALK

TRANSITION



PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 4 OF 18



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 15
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

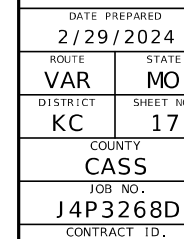
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

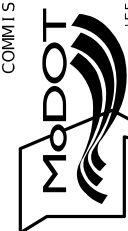
105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

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

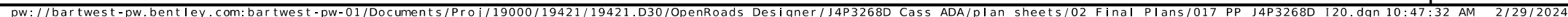


		PROJECT NO.	
		BRIDGE NO.	
DATE	DESCRIPTION		

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Bartlett & West
601 MONROE ST., SUITE 201 • JEFFERSON CITY, MO 65104-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 0004167 • ENGINEERING

D								





ROUTE	STAT
-------	------

DISTRICT	SHEET
----------	-------

COUNTY _____

JOB NO.

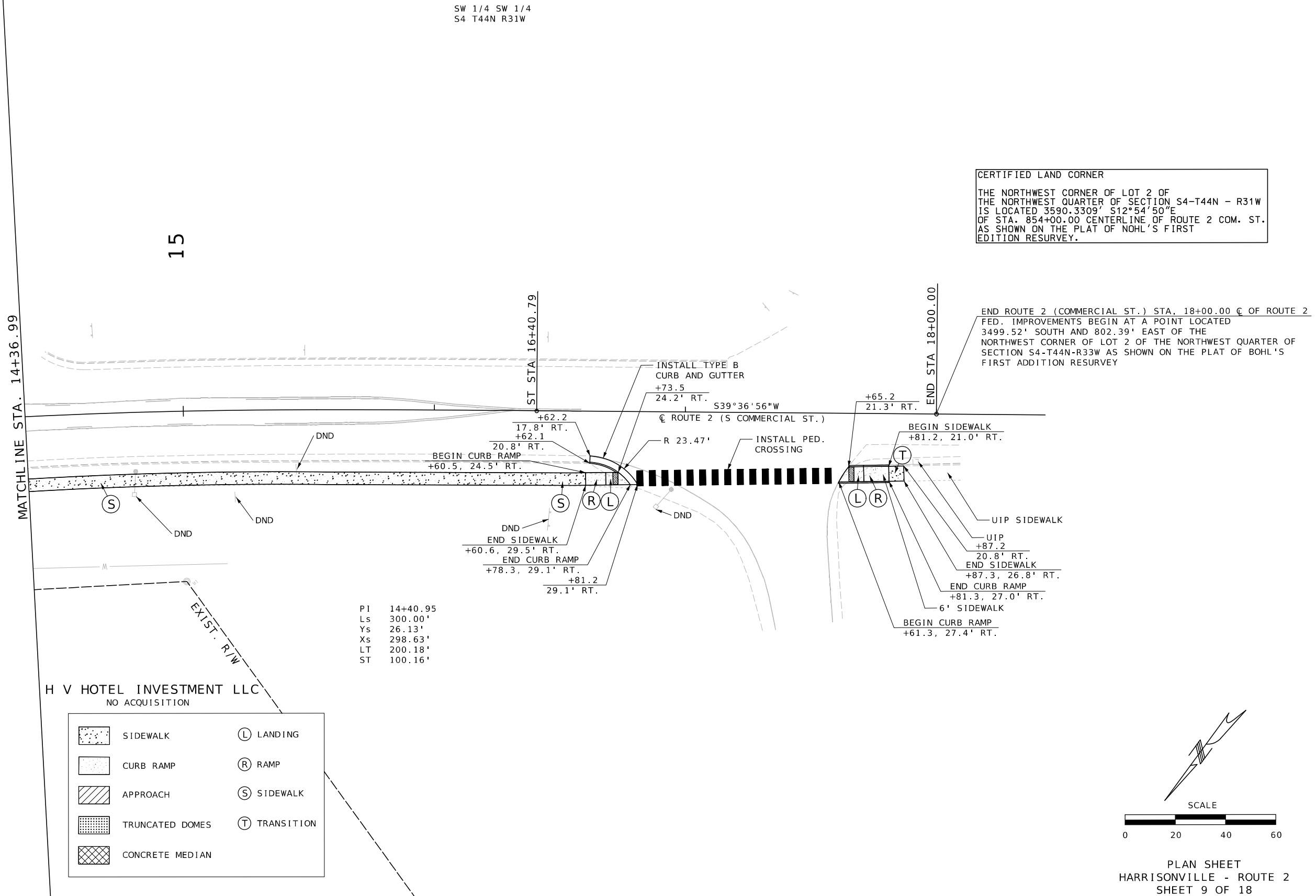
CONTRACT ID.

BRIDGE NO.

7							



601 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. 20
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

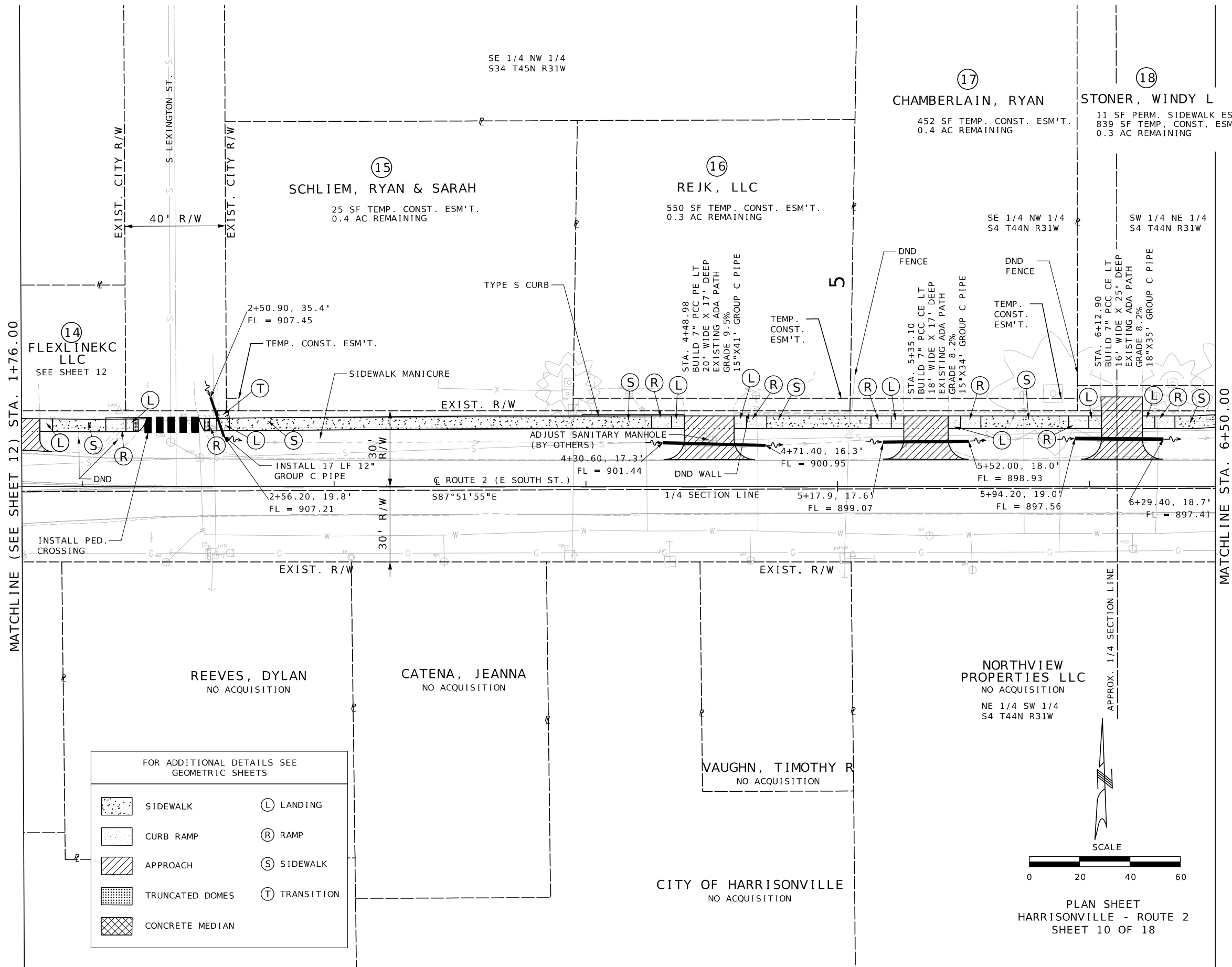
DATE	DESCRIPTION

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
WWW.BARTLETTWEST.COM





THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
KC 24

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

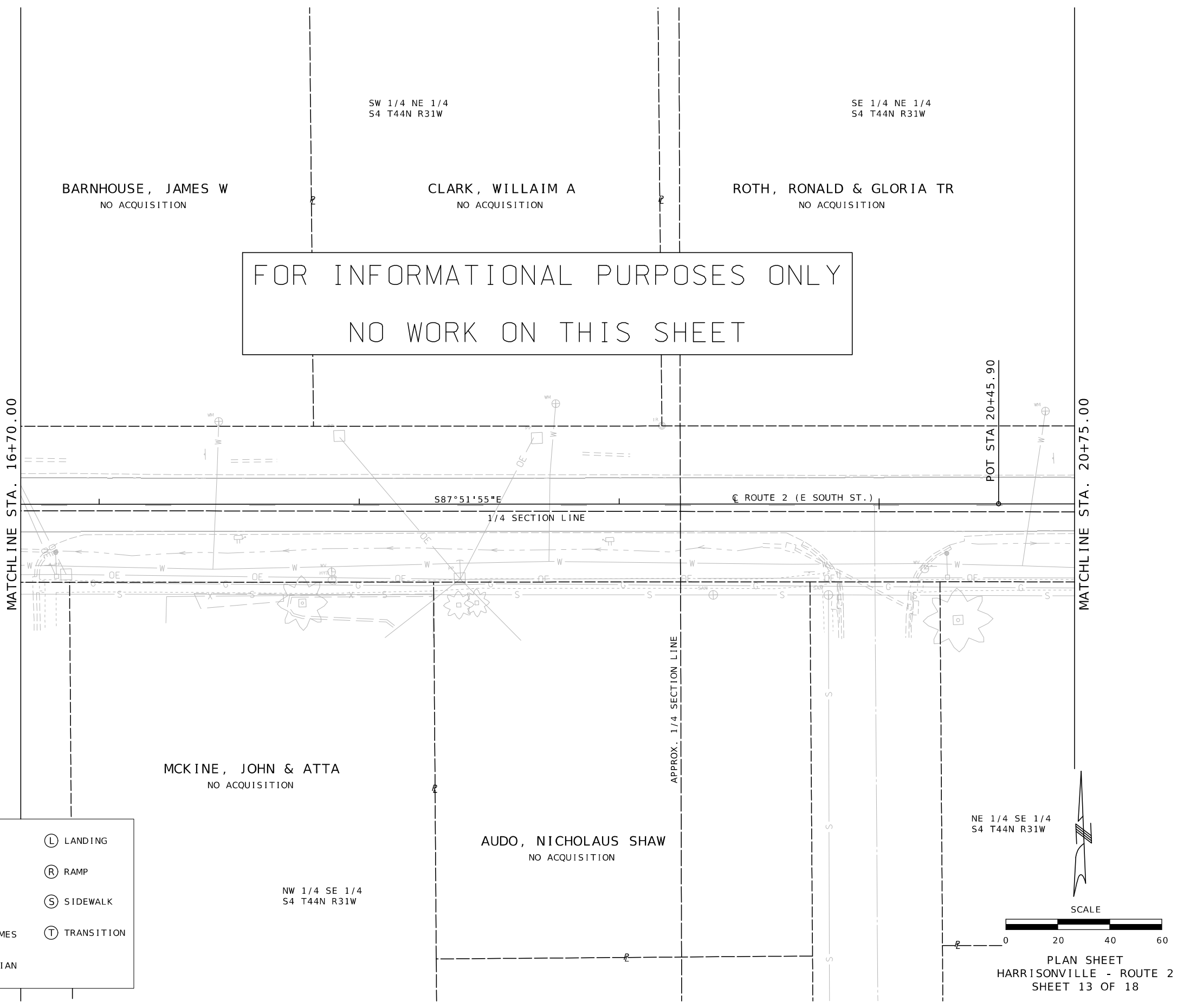
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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 872-634-3161
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		

FOR INFORMATIONAL PURPOSES ONLY
NO WORK ON THIS SHEET

SCALE

0 20 40 60

PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 13 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
KC	25

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.

SE 1/4 NE 1/4
S4 T44N R31W

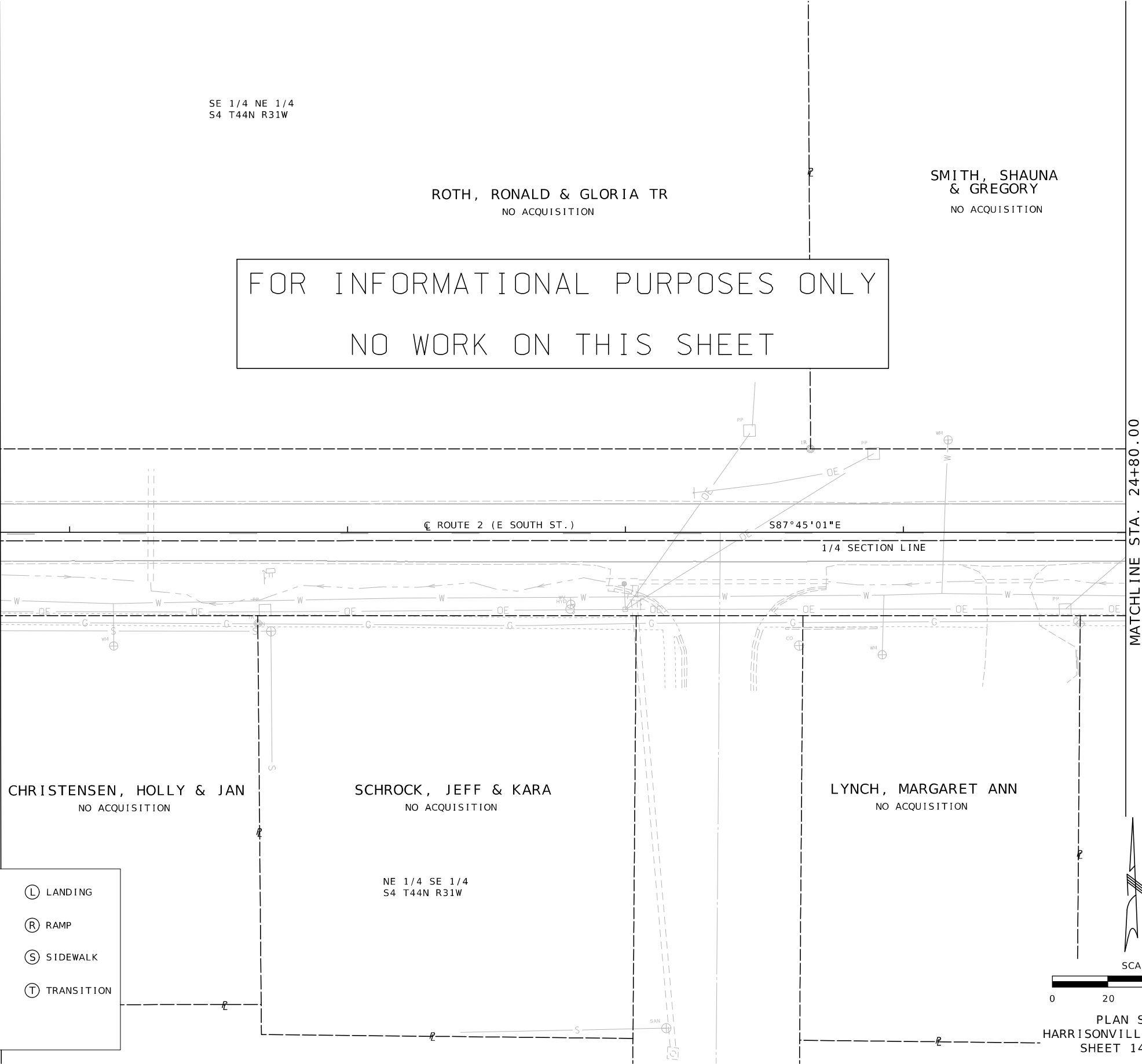
ROTH, RONALD & GLORIA TR
NO ACQUISITION

SMITH, SHAUNA
& GREGORY
NO ACQUISITION

FOR INFORMATIONAL PURPOSES ONLY
NO WORK ON THIS SHEET

MATCHLINE STA. 20+75.00

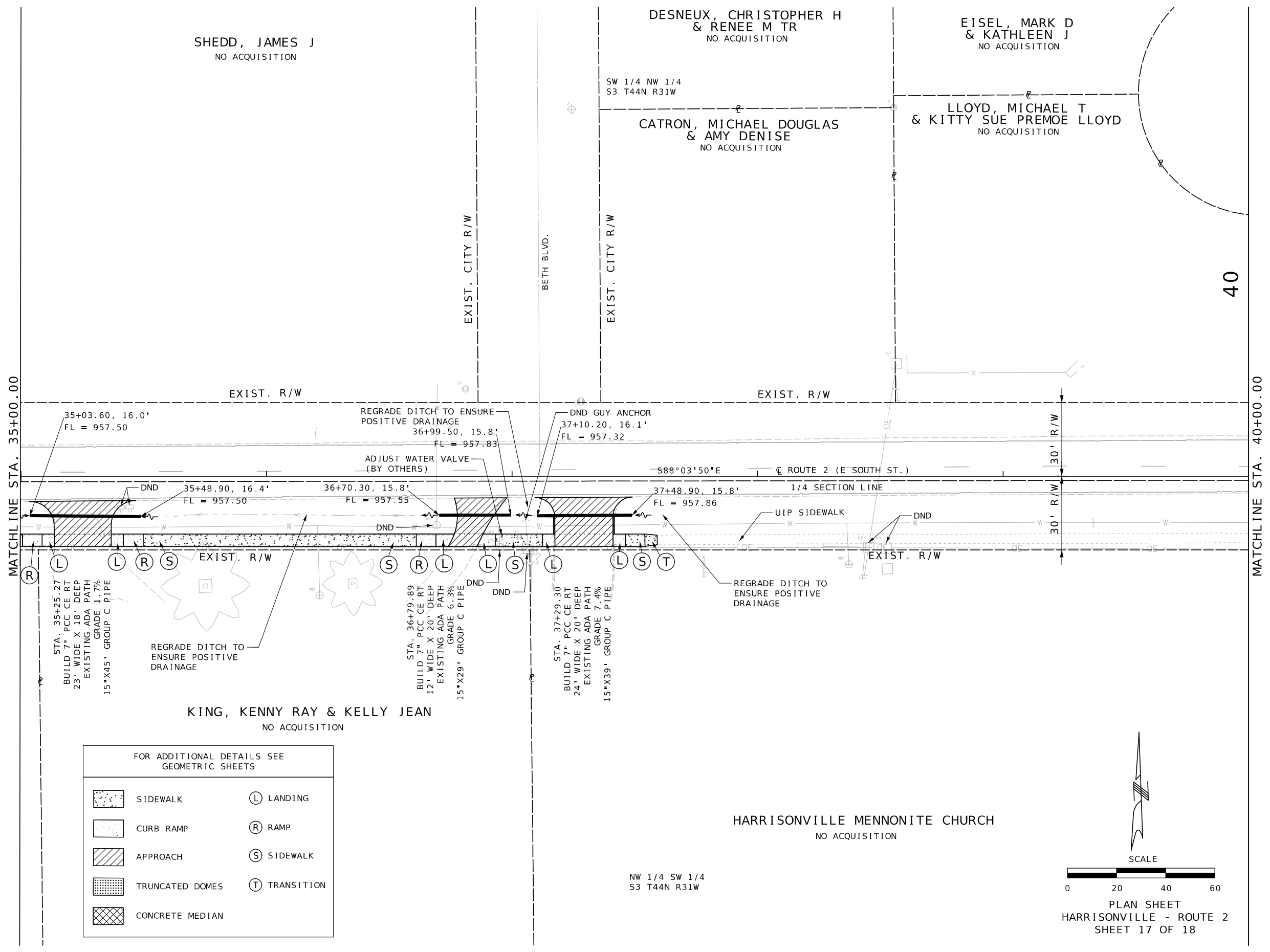
MATCHLINE STA. 24+80.00



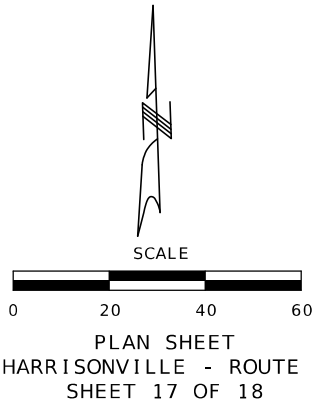
	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

SCALE

PLAN SHEET
HARRISONVILLE - ROUTE 2
SHEET 14 OF 18



FOR ADDITIONAL DETAILS SEE GEOMETRIC SHEETS	
	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. 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)

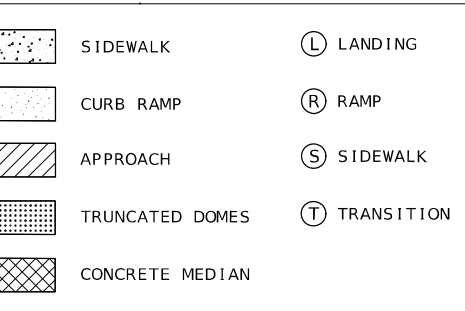
Bartlett & West

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

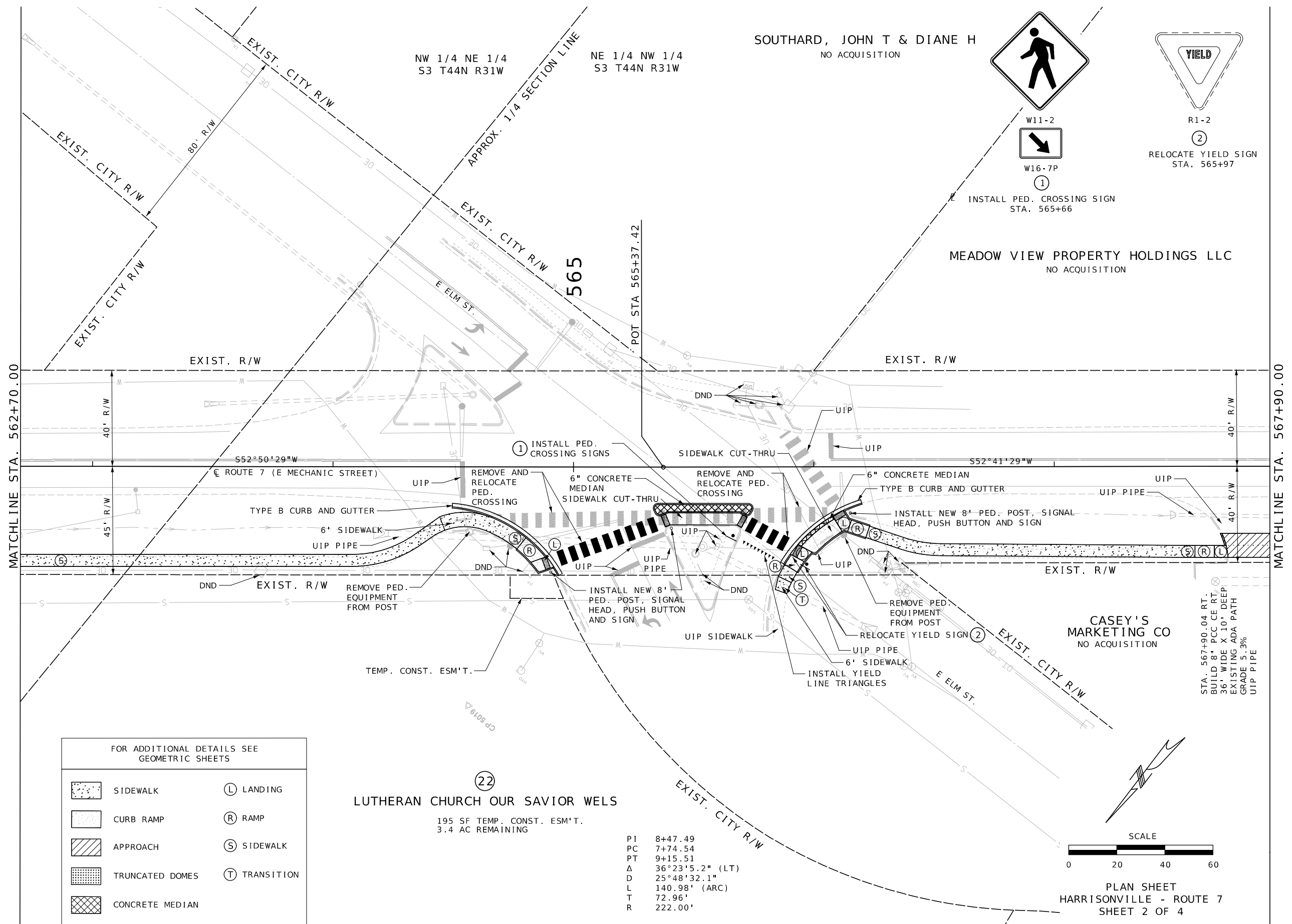
1. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 557+50.00 ROUTE 7 TO STA. 577+00.00 ROUTE 7, A DISTANCE OF 0.369 MILES.
2. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
3. ALL UTILITIES SHALL 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 CORNER COMMON TO LOT 6 OF THE NORTHEAST QUARTER,
LOT 6 OF THE NORTHWEST QUARTER,
LOT 5 OF THE NORTHEAST QUARTER,
AND LOT 5 OF THE NORTHWEST QUARTER
ALL IN SECTION 3-T44N-R31 WEST IS LOCATED 665.83'
N46°18'27"E OF STA. 557+50.00 CENTERLINE



Bartlett & West
601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65104-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



DATE PREPARED

ROUTE	STATION
-------	---------

DISTRICT SHEET
KC 31

COUNTY
CASE

LAB 3268D

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

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

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

CR						
----	--	--	--	--	--	--

D						
---	--	--	--	--	--	--

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

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

[illegible]

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

PI
CEOR
STAN
05
C1

1010

THE

H H



55

80

510

Z, M

181

FFB-63

01 .
ONE

Insulin

DE S

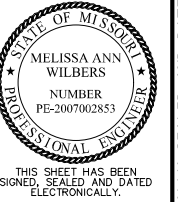
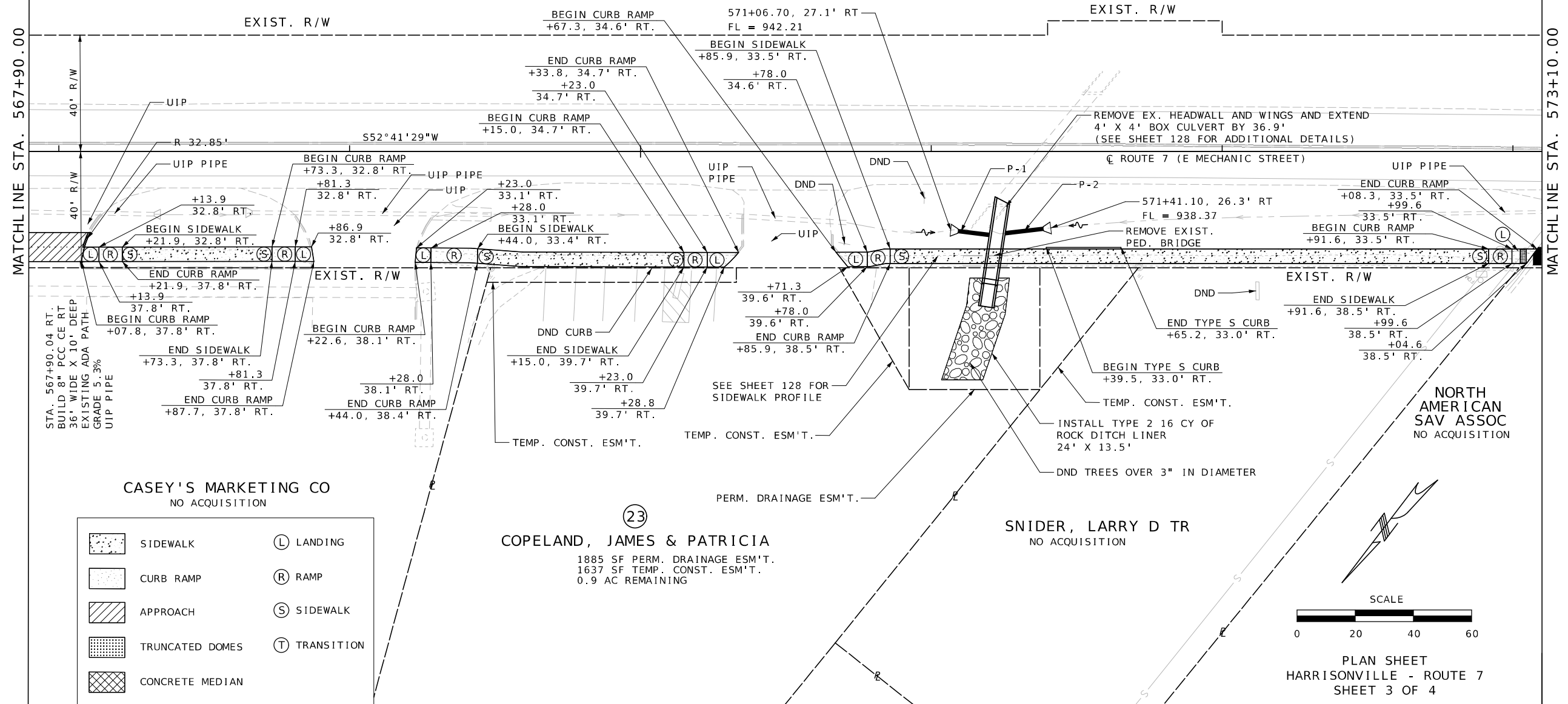
MO

E

04 AM 2/29/20

[illegible]

570



DATE PREPARED
3/13/2024

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
KC	32

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

COMMISSION

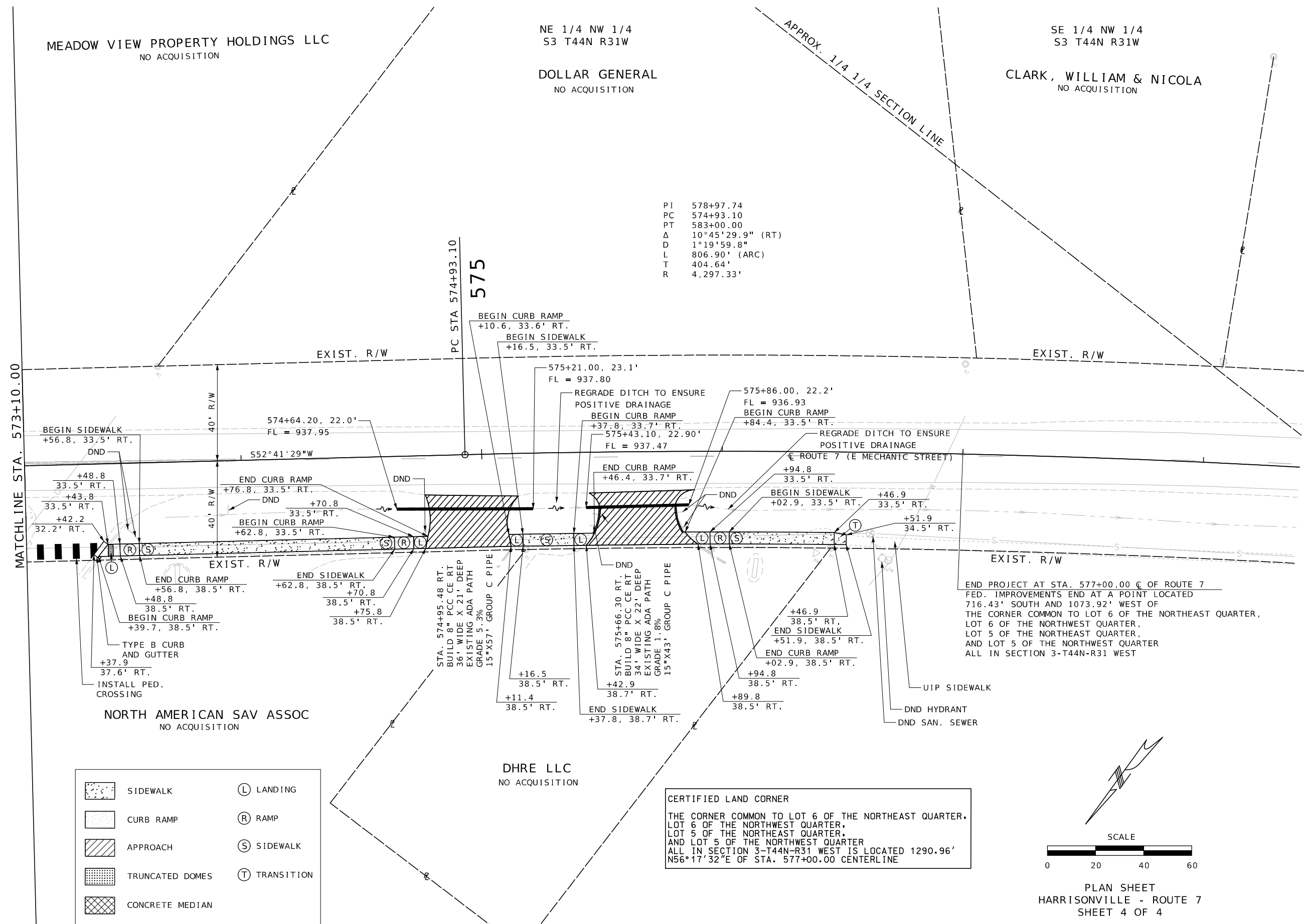


JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

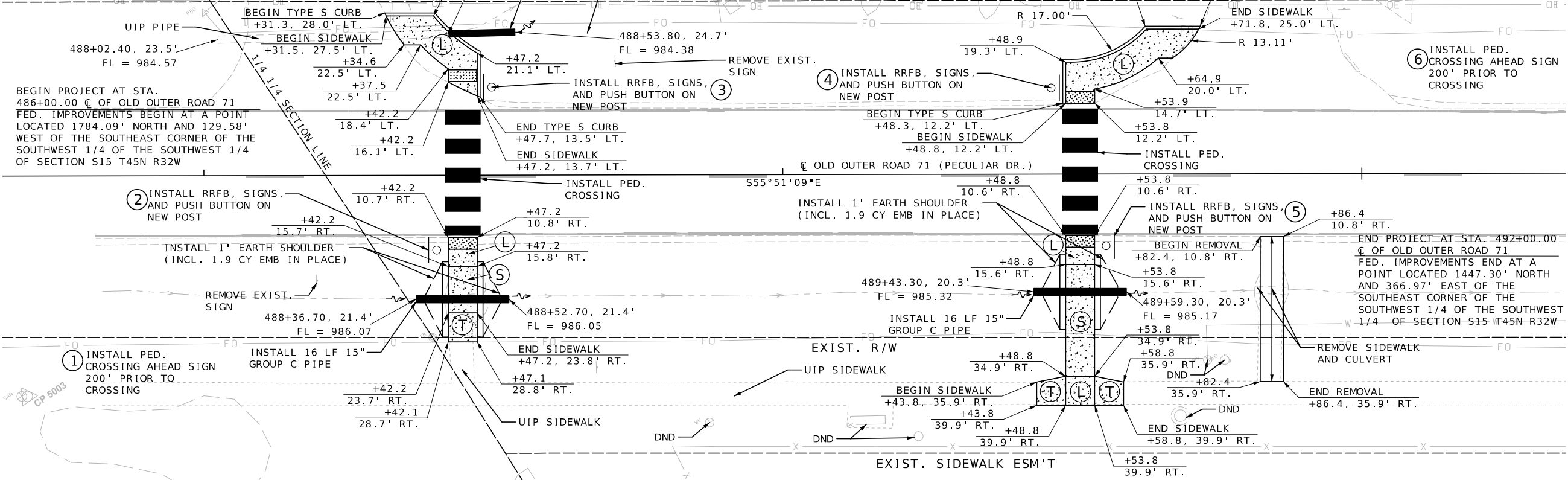
3601 MONROE ST., SUITE 201 - JEFFERSON CITY, MO 65104-3180
PHONE 573-634-3181
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTTEST.COM

.....



GENERAL NOTE

- 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.
- ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
- ALL UTILITIES SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL SIDEWALK AND RAMPS SHALL BE CONSTRUCTED 5 FEET WIDE UNLESS OTHERWISE NOTED IN THE PLANS.
- ALL BEARINGS ARE BASED ON STATE PLANE BEARINGS, WEST ZONE.
- 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.



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

W11-2

W16-9P

①

INSTALL SIGNS
STA. 486+40

W11-2

W16-7P

R10-25

②

INSTALL SIGNS
STA. 488+40

W11-2

W16-7P

R10-25

③

INSTALL SIGNS
STA. 488+50

W11-2

W16-7P

R10-25

④

INSTALL SIGNS
STA. 489+46

W11-2

W16-7P

R10-25

⑤

INSTALL SIGNS
STA. 489+56

W11-2

W16-9P

⑥

INSTALL SIGNS
STA. 491+56

SCALE

0

10

20

30

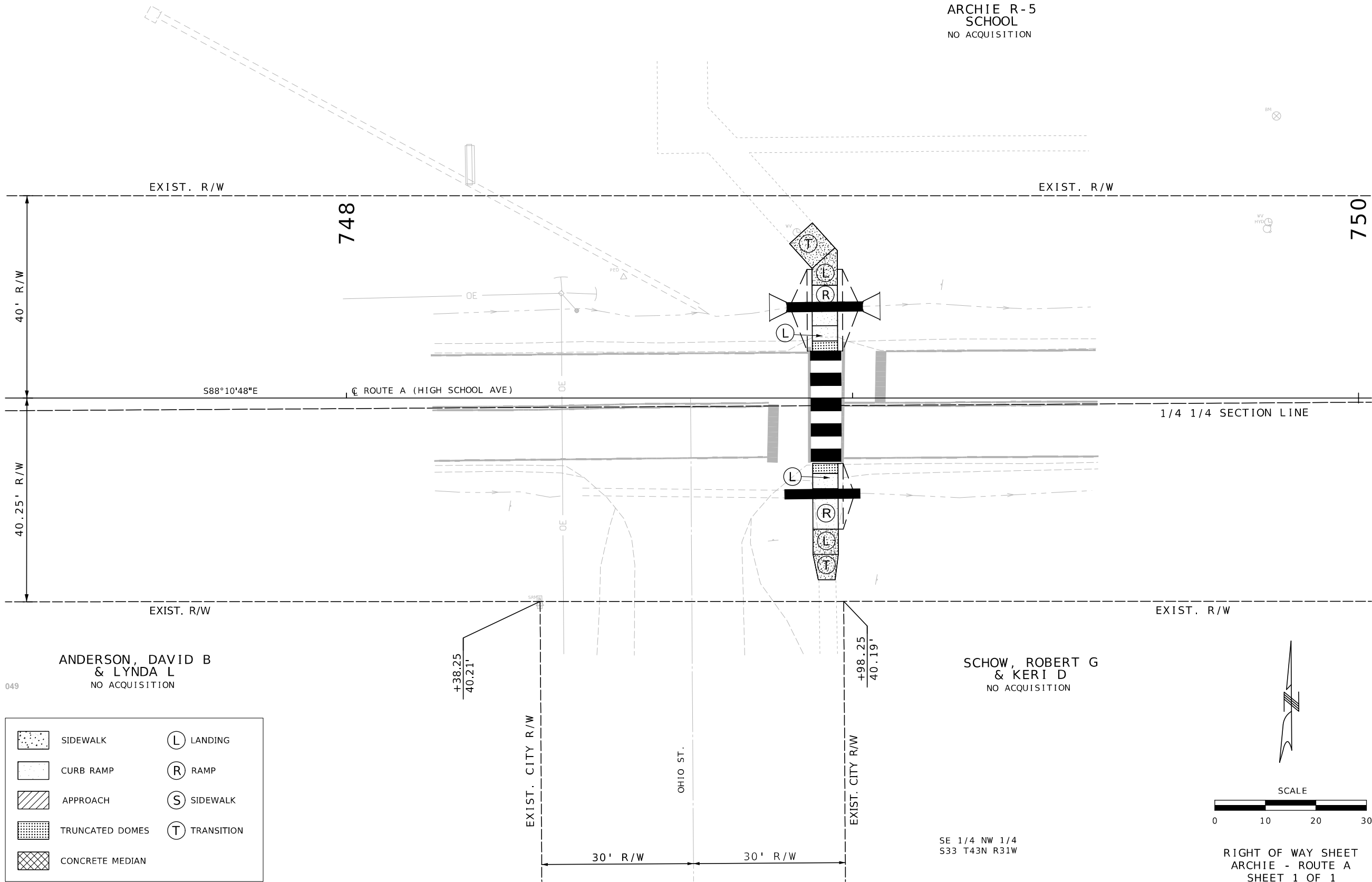
PLAN SHEET
PECULIAR -
OLD OUTER ROAD 71
SHEET 1 OF 1

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/034_PP_J4P3268D_I10.dgn 2:33:13 PM 2/29/2024

PLANS FOR RIGHT OF WAY
INFORMATION ONLY

NE 1/4 NW 1/4
S33 T43N R31W

ARCHIE R-5
SCHOOL
NO ACQUISITION

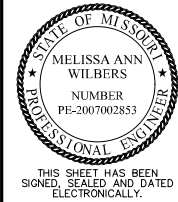


	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

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

SCALE

0 10 20 30



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.

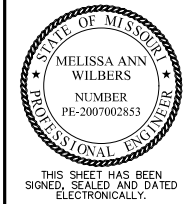
DATE	DESCRIPTION

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. 36
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

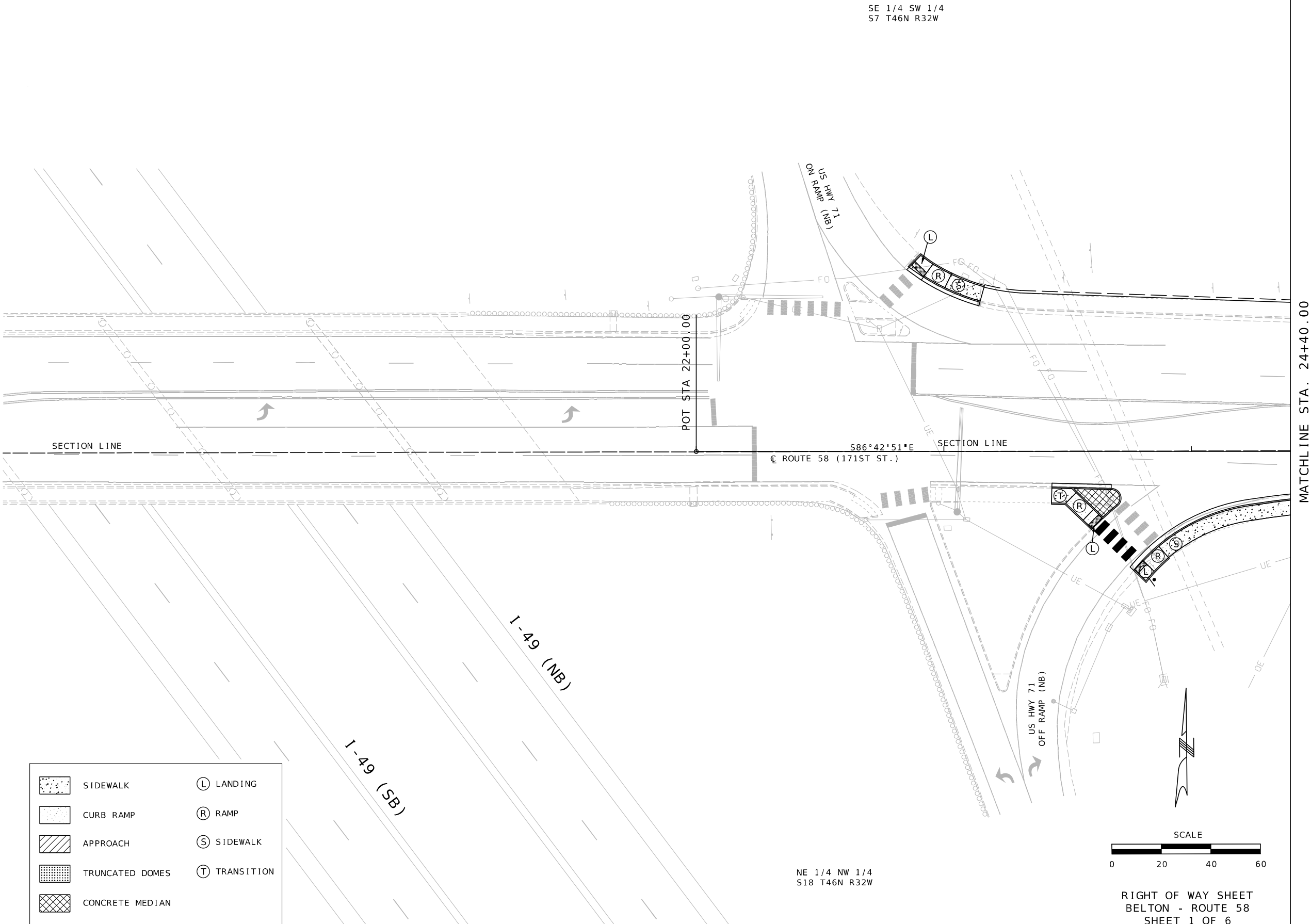
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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

NW 1/4 NE 1/4
S18 T46N R32W

MATCHLINE STA. 29+60.00

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

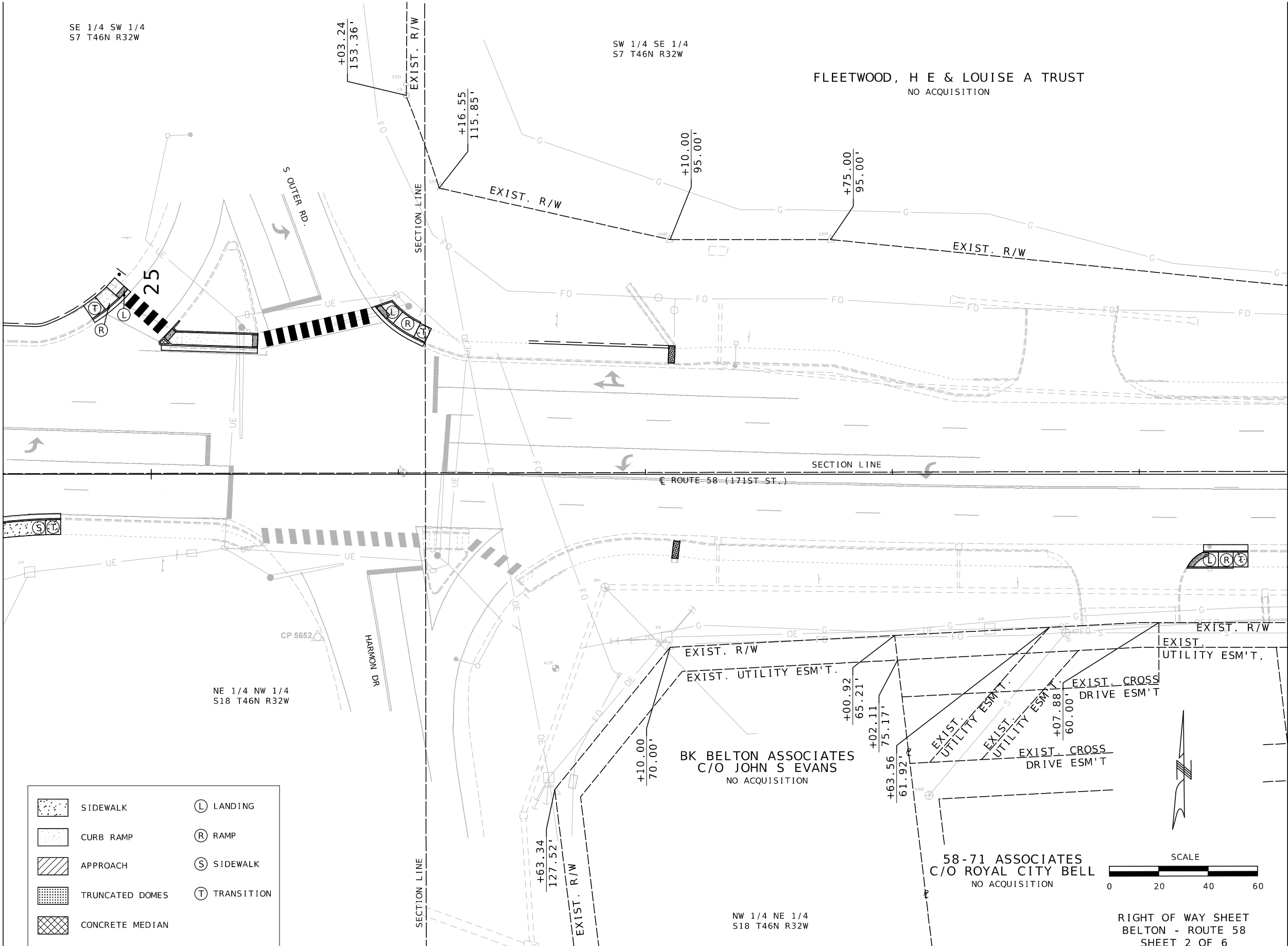
CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION



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.

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/037_RW_J4P3268D_i20.dgn 10:52:55 AM 2/29/2024

MATCHLINE STA. 29+60.00

MATCHLINE STA. 34+80.00

 SIDEWALK

 CURB RAMP

 APPROACH

 TRUNCATED DOMES

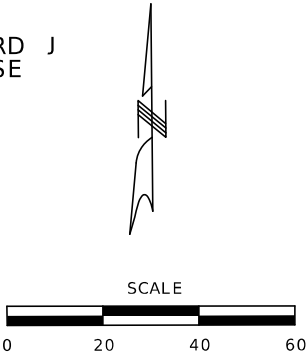
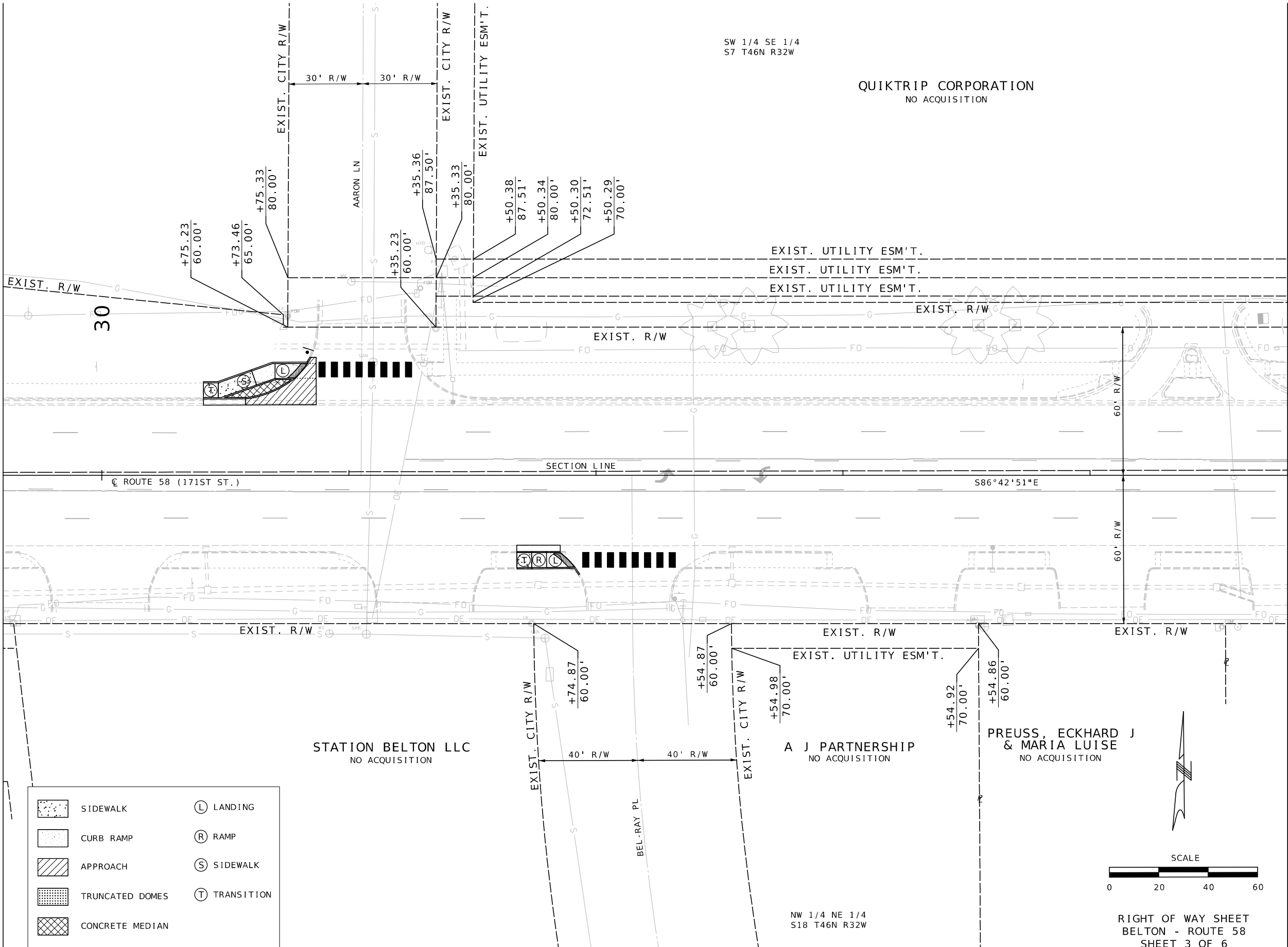
 CONCRETE MEDIAN

 LANDING

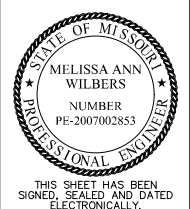
 RAMP

 SIDEWALK

 TRANSITION



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

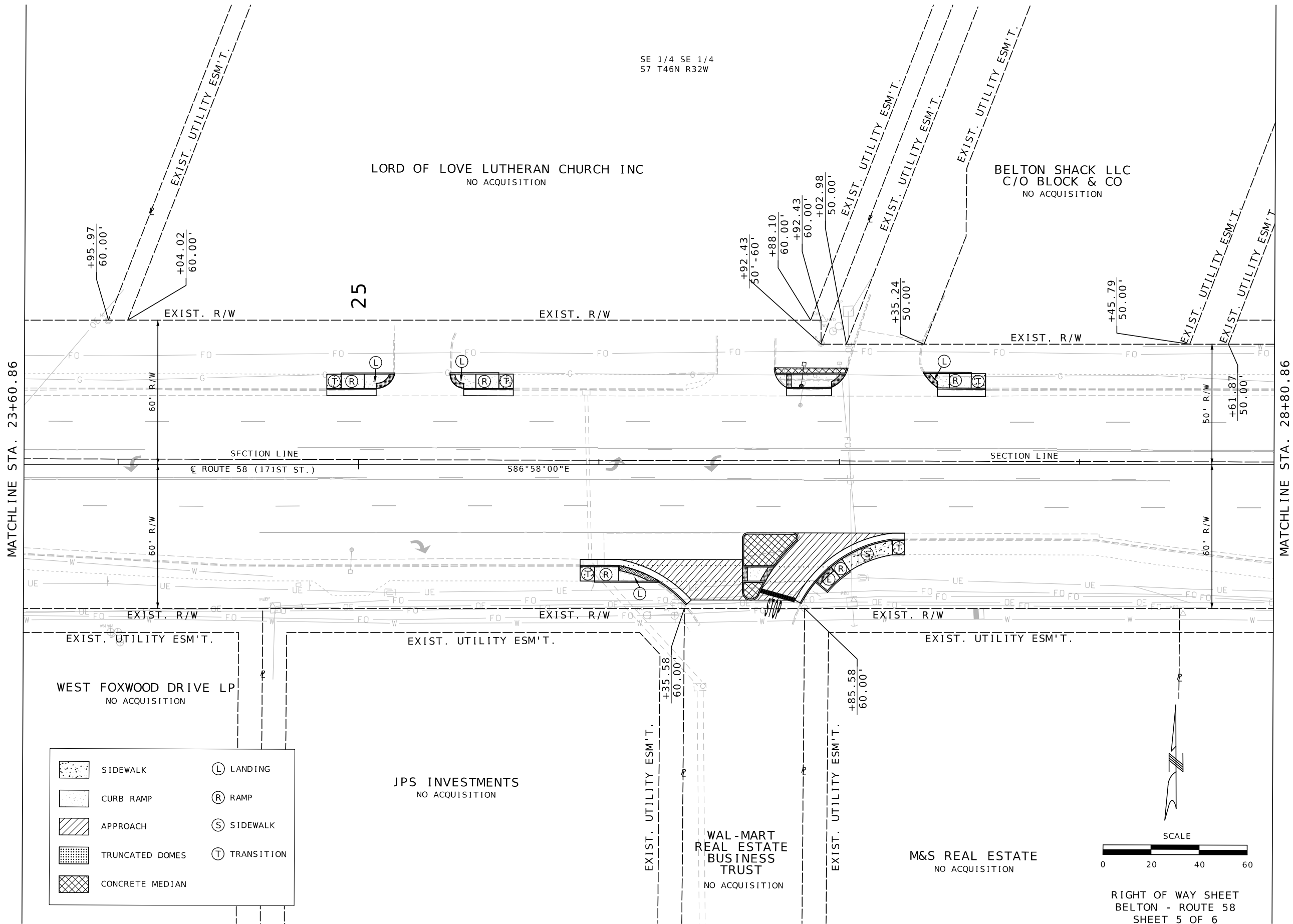
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

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.

DESCRIPTION

DATE

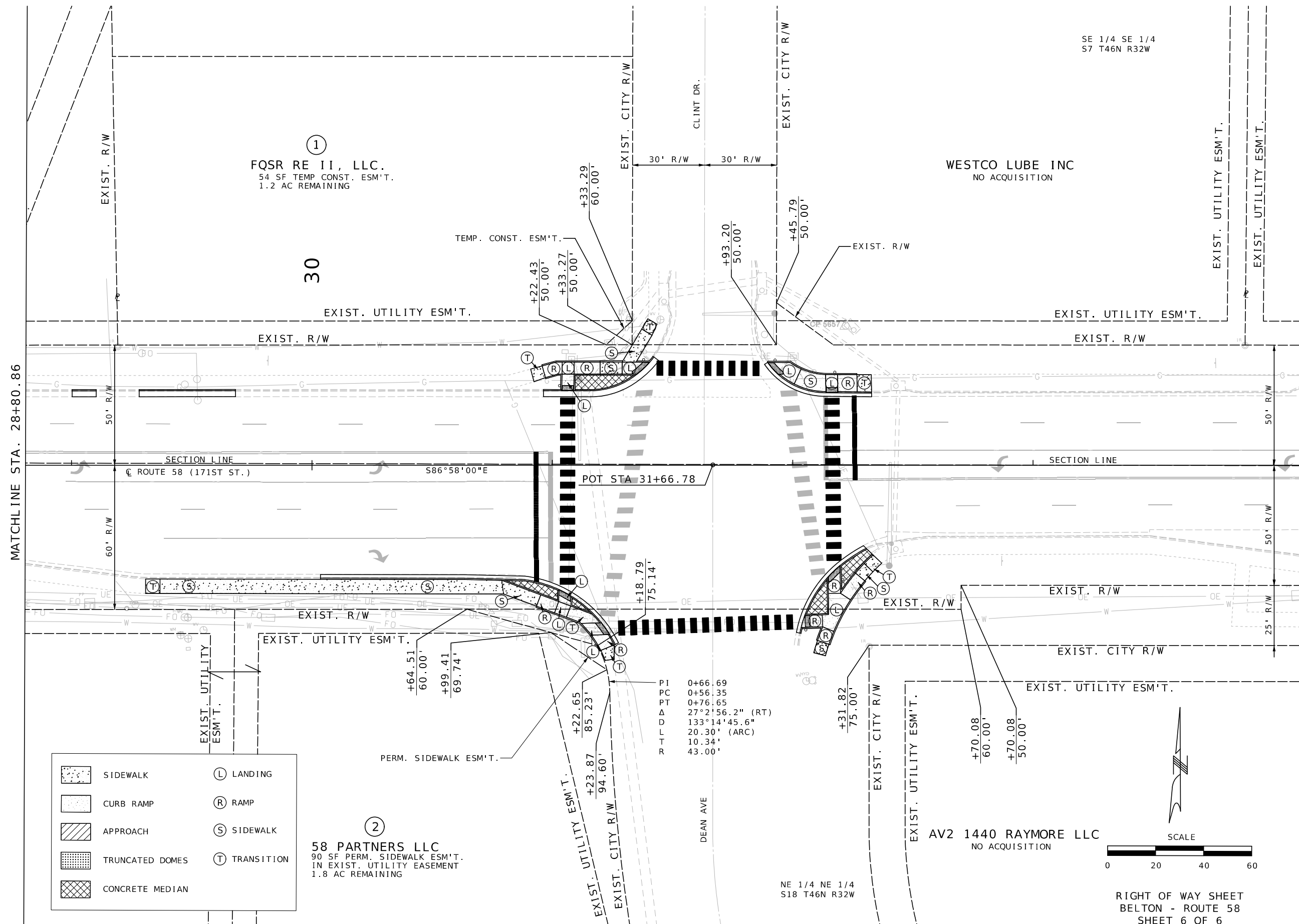
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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/040_RW_J4P3268D_i20.dgn 10:53:22 AM 2/29/2024

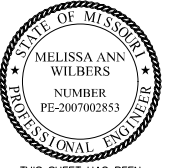


①
FQSR RE II, LLC.
54 SF TEMP CONST. ESM'T.
1.2 AC REMAINING

WESTCO LUBE INC
NO ACQUISITION

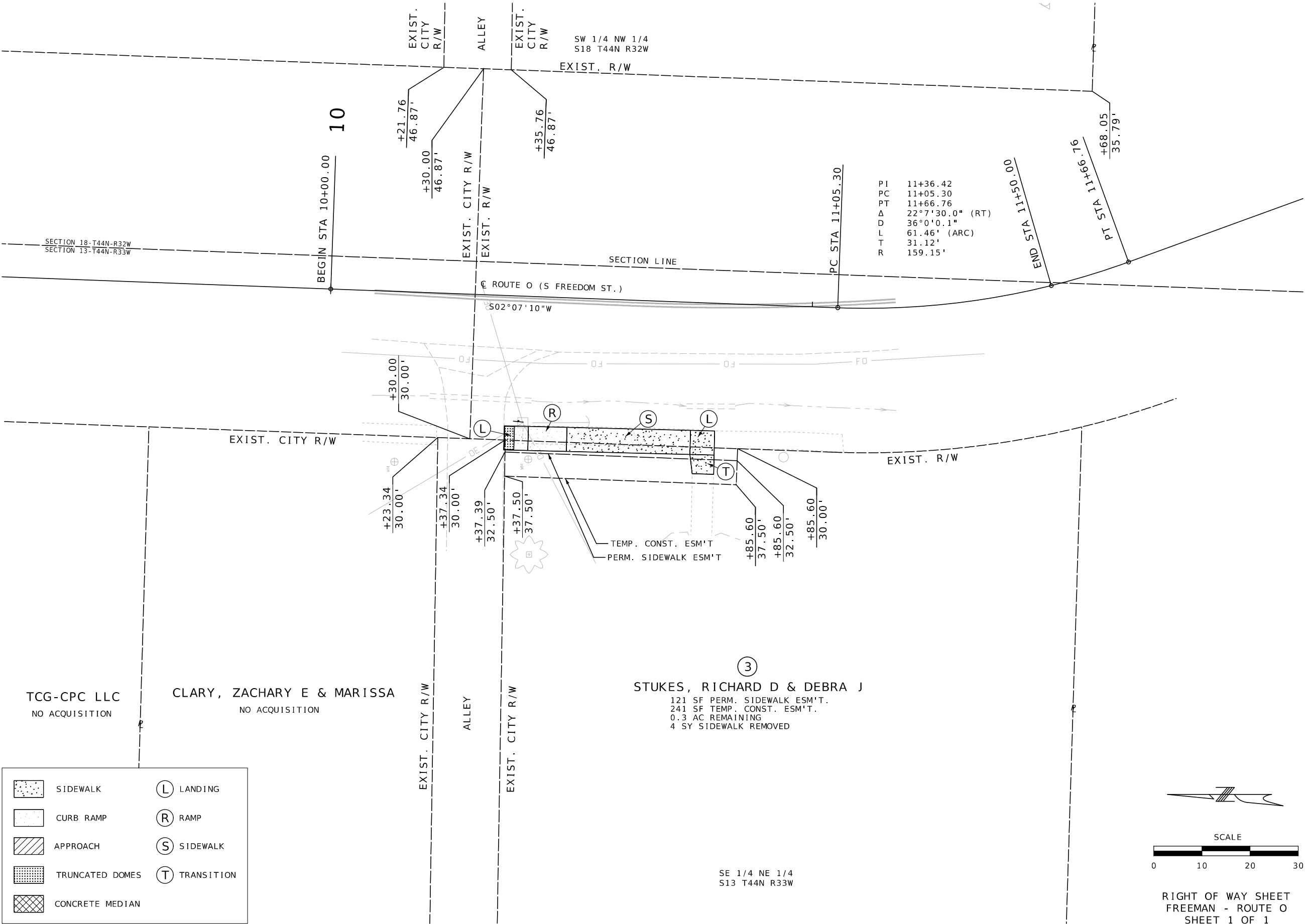
SE 1/4 SE 1/4
S7 T46N R32W

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



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

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

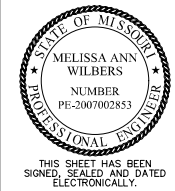
RAMP

S

SIDEWALK

T

TRANSITION



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 42
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.

43

COUNTY

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

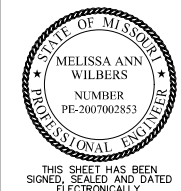
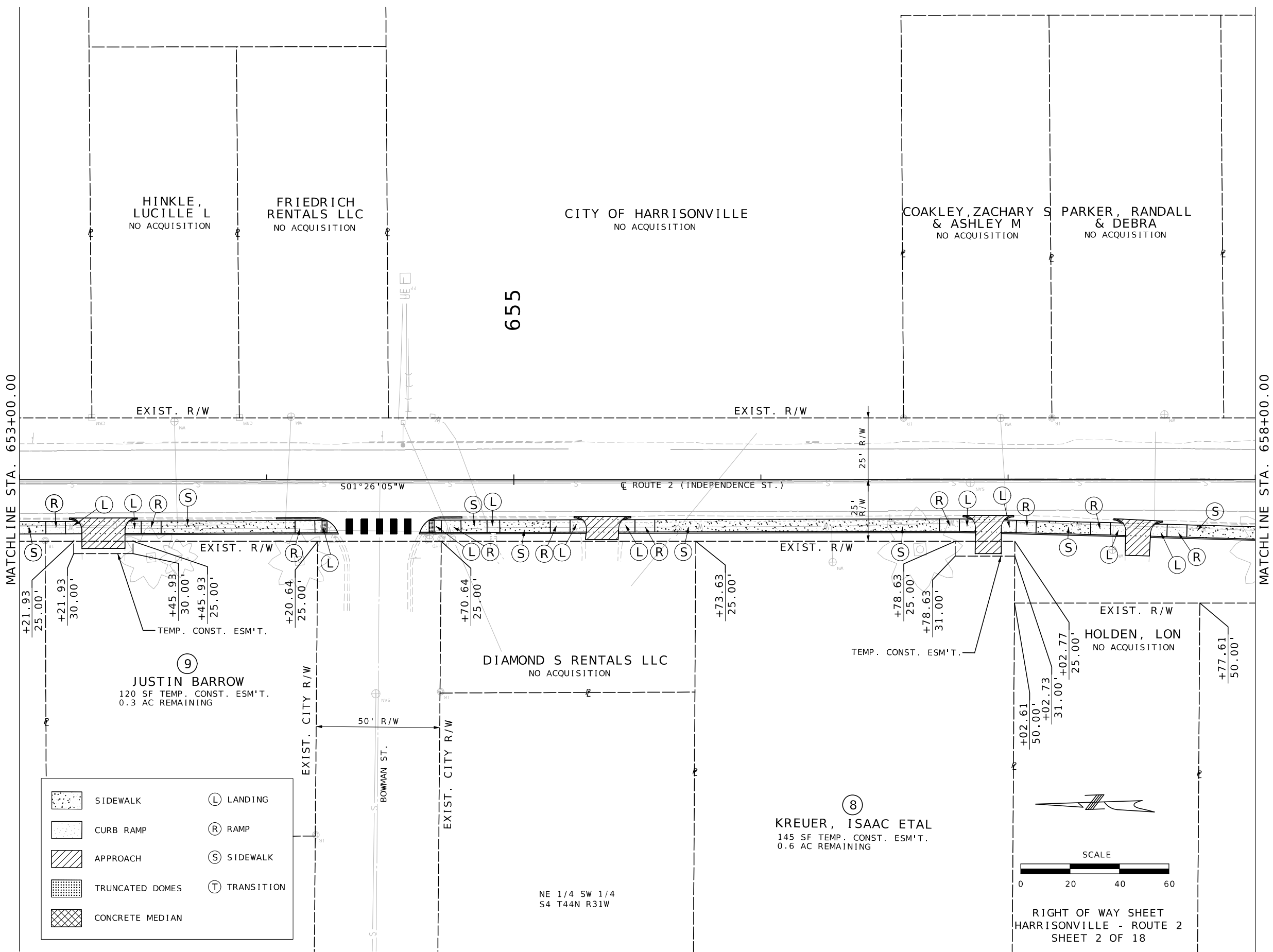
MoDOT

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 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



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 44
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 572-634-3162
WWW.BARTLETTWEST.COM

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

PI 661+29.95
PC 658+39.56
PT 663+38.12
Δ 73°37'38.3" (RT)
D 14°46'5.1"
L 498.56' (ARC)
T 290.38'
R 387.97'

CK PROPERTIES 2 LLC
NO ACQUISITION

SROUFE, MARY LAI YUNG
NO ACQUISITION

WELTON, CLIFTON J
NO ACQUISITION

NE 1/4 SW 1/4
S4 T44N R31W

RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 3 OF 18

DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 45
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

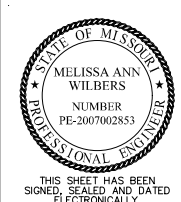
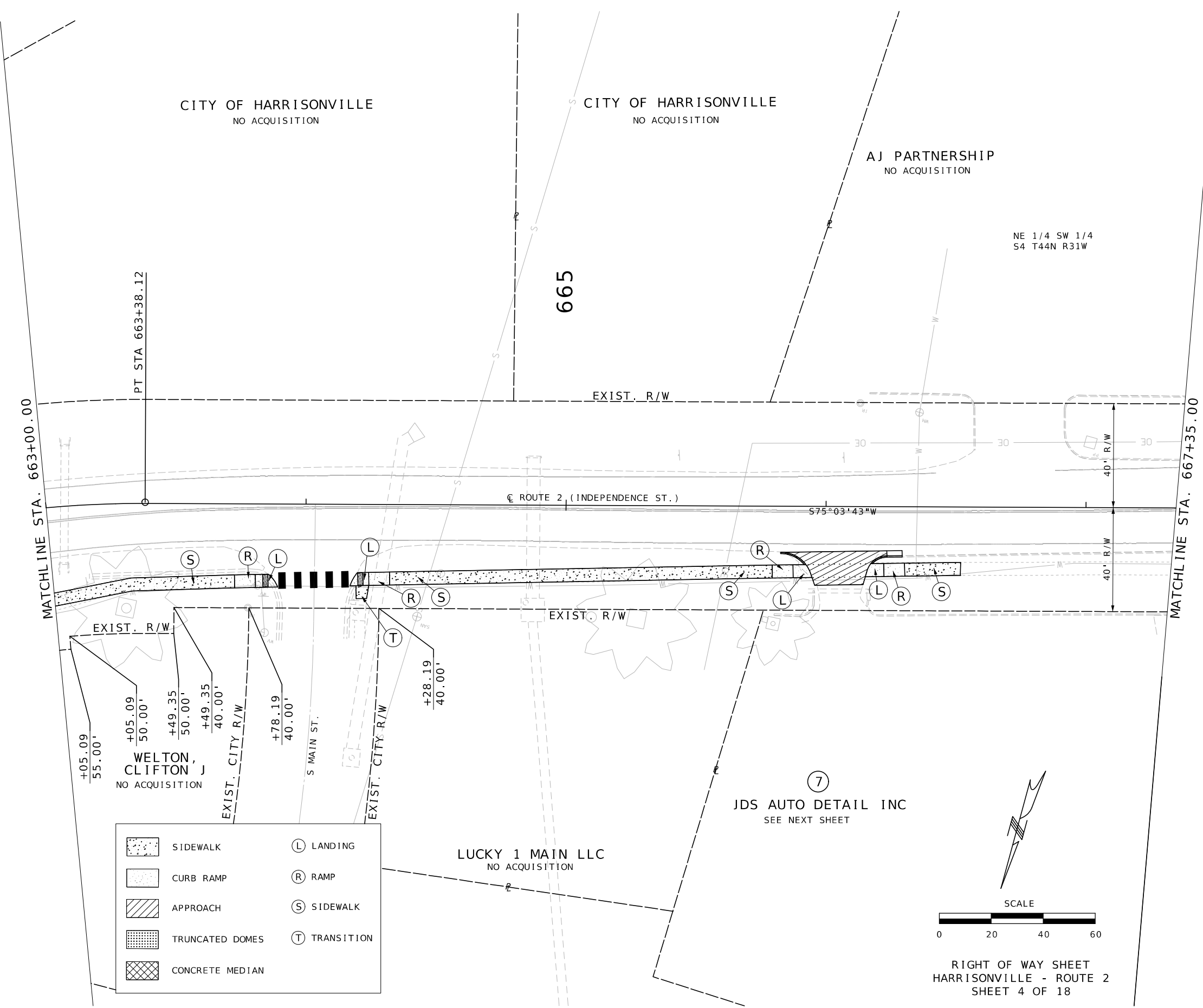
DATE	DESCRIPTION

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

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final Plans/045_RW_J4P3268D_i20.dgn 10:54:17 AM 2/29/2024



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.

DATE	DESCRIPTION

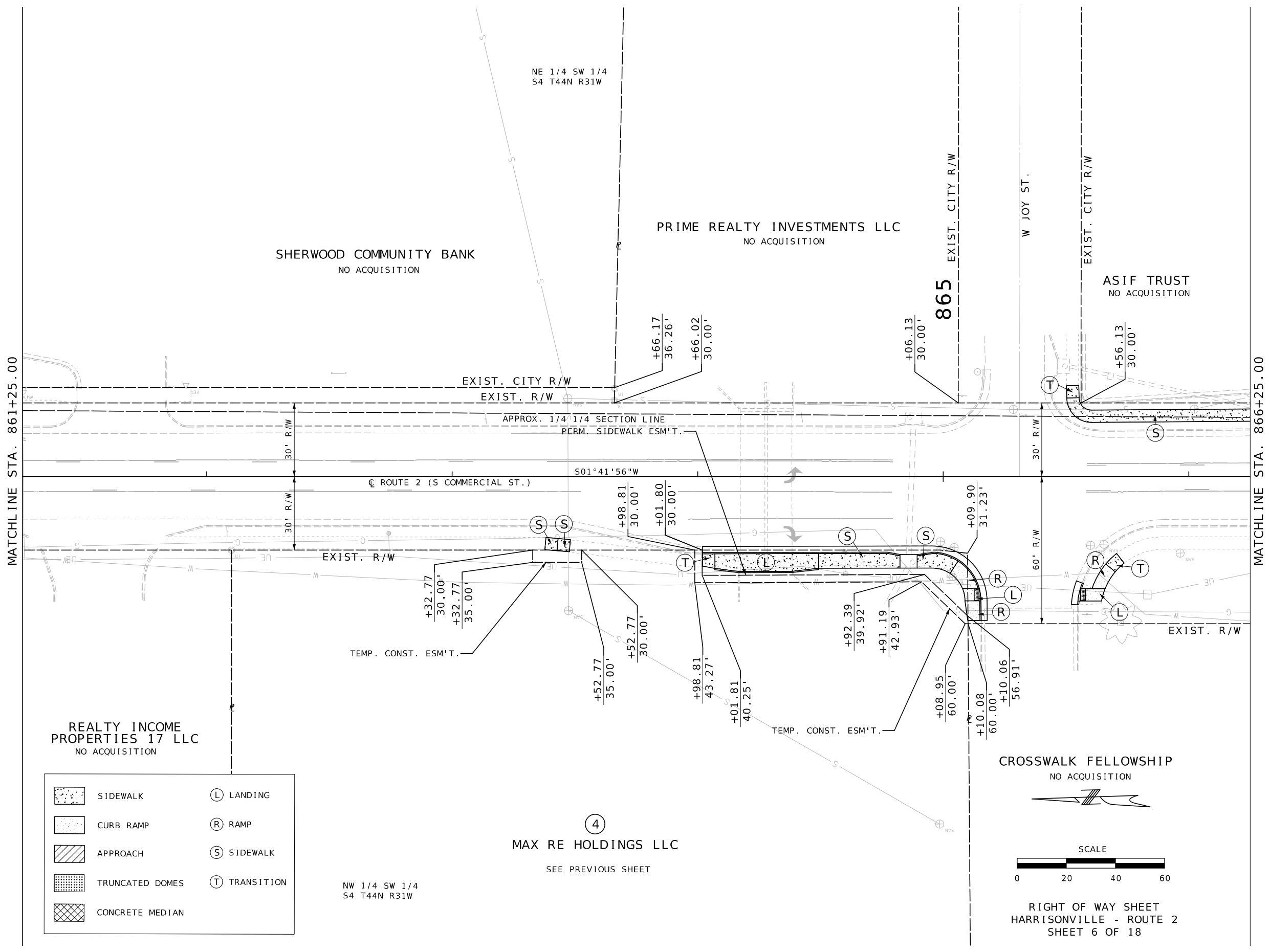
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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

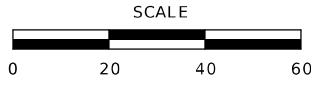
NE 1/4 SW 1/4
S4 T44N R31W

PRIME REALTY INVESTMENTS LLC
NO ACQUISITION

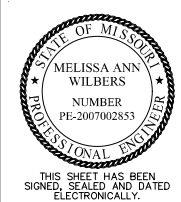
865 EXIST. CITY R/W

ASIF TRUST
NO ACQUISITION

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.

DATE	DESCRIPTION

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

MATCHLINE STA. 14+36.99

15

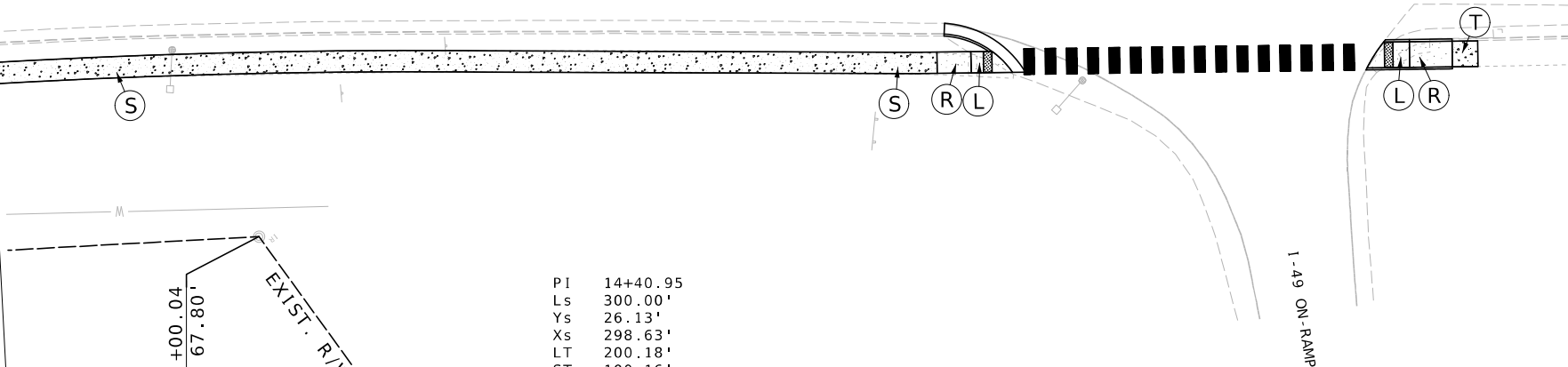
SW 1/4 SW 1/4
S4 T44N R31W

ST STA 16+40.79

S39°36'56"W

CL ROUTE 2 (S COMMERCIAL ST.)

END STA 18+00.00

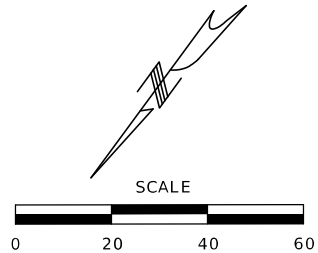


H V HOTEL INVESTMENT LLC
NO ACQUISITION

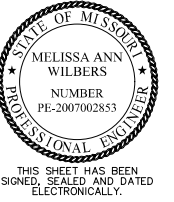
	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		

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

1.49 ON-RAMP



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



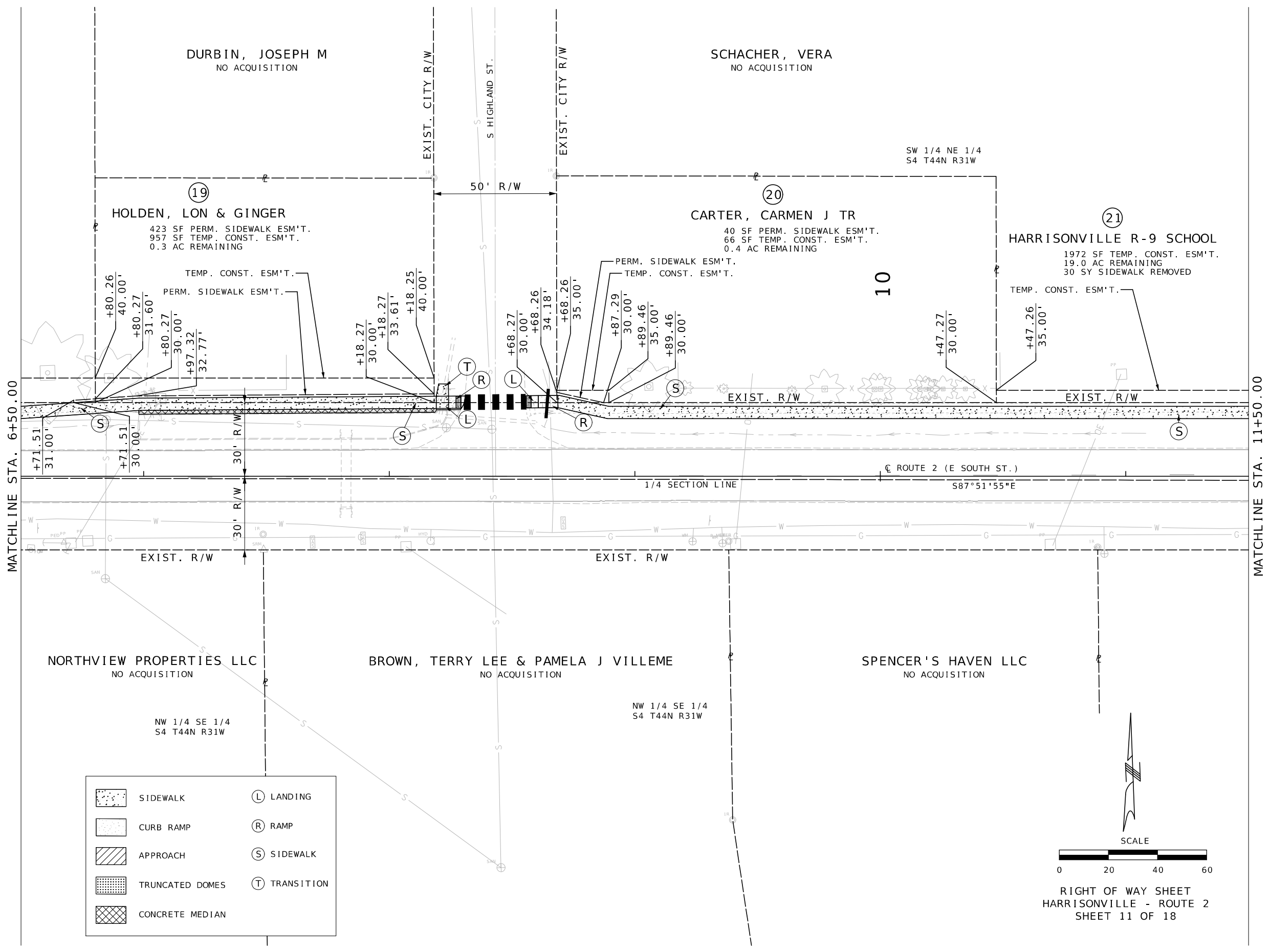
DATE PREPARED
2/29/2024
ROUTE
VAR
STATE
MO
DISTRICT
KC
SHEET NO.
51
COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
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



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

SCALE

0

20

40

60

RIGHT OF WAY SHEET

HARRISONVILLE - ROUTE 2

SHEET 11 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

DISTRICT

KC

STATE

MO

SHEET NO.

53

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

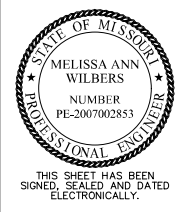
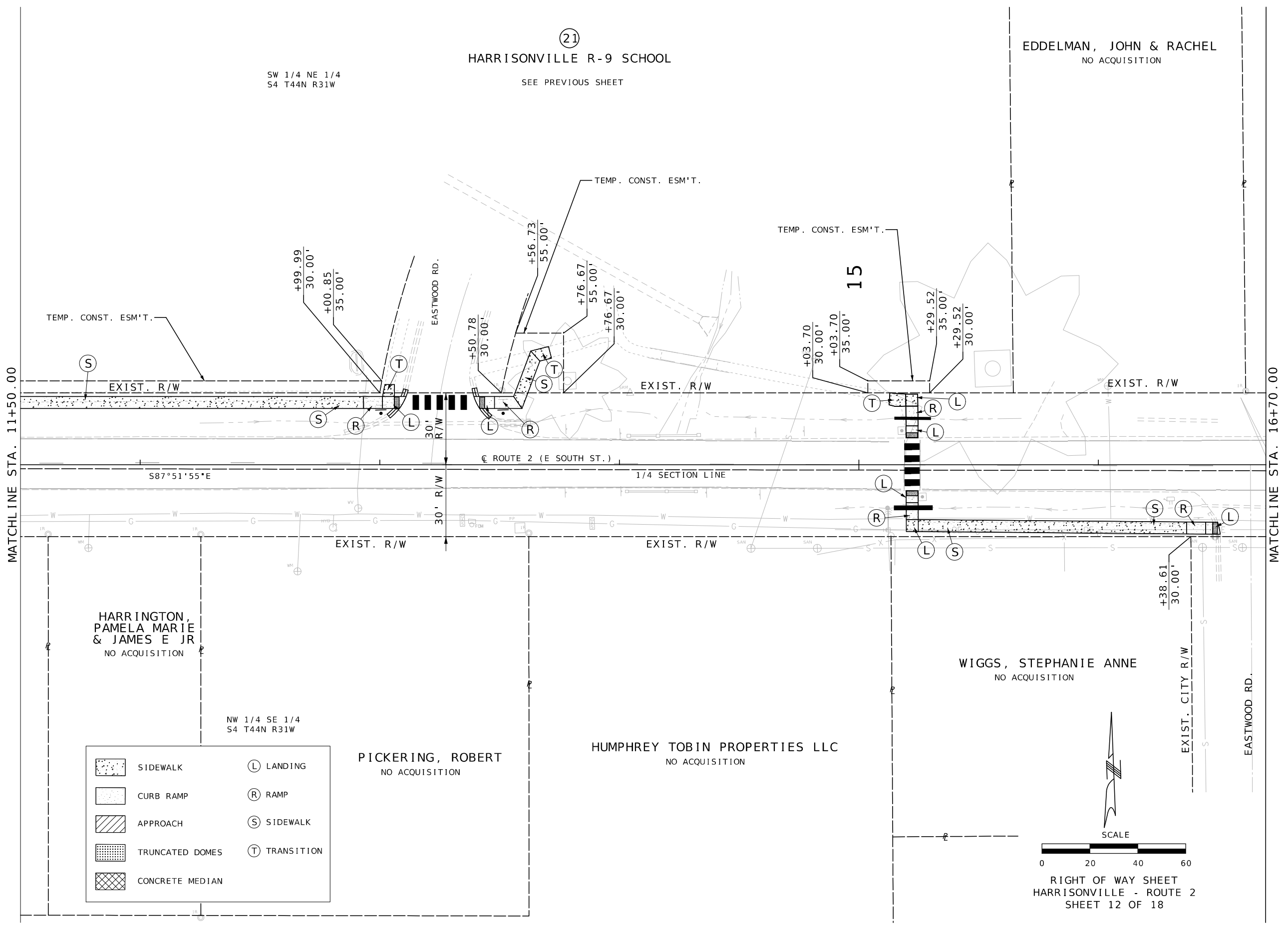
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

PHONE 572-634-3161

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/053_RW_J4P3268D_i20.dgn 10:55:33 AM 2/29/2024



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

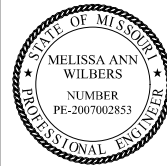
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST 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



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/29/2024

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
KC 55

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

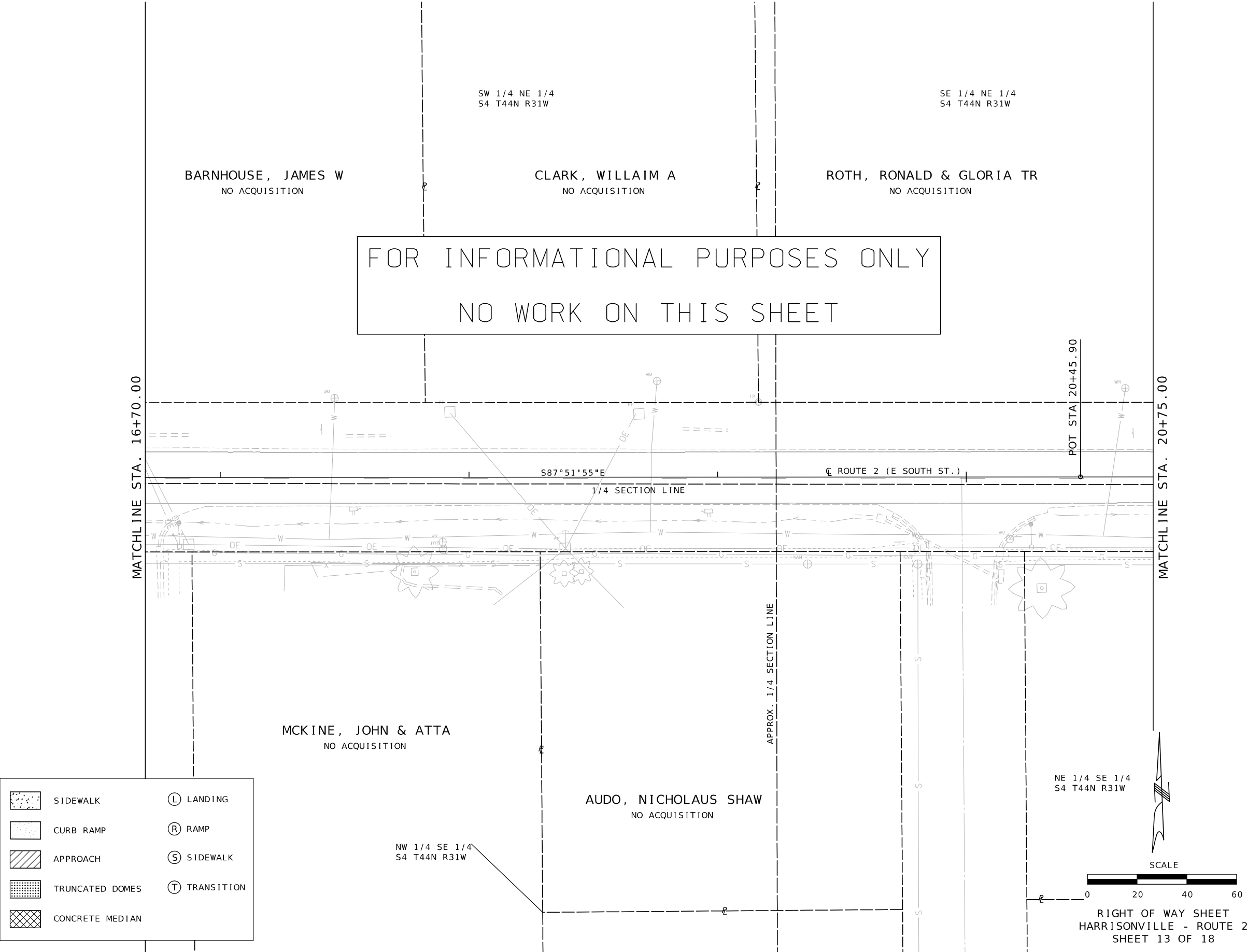
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

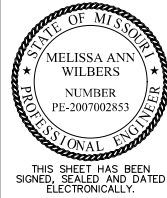
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 872-634-3161
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 STATE
VAR MO

DISTRICT SHEET NO.
KC 56

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

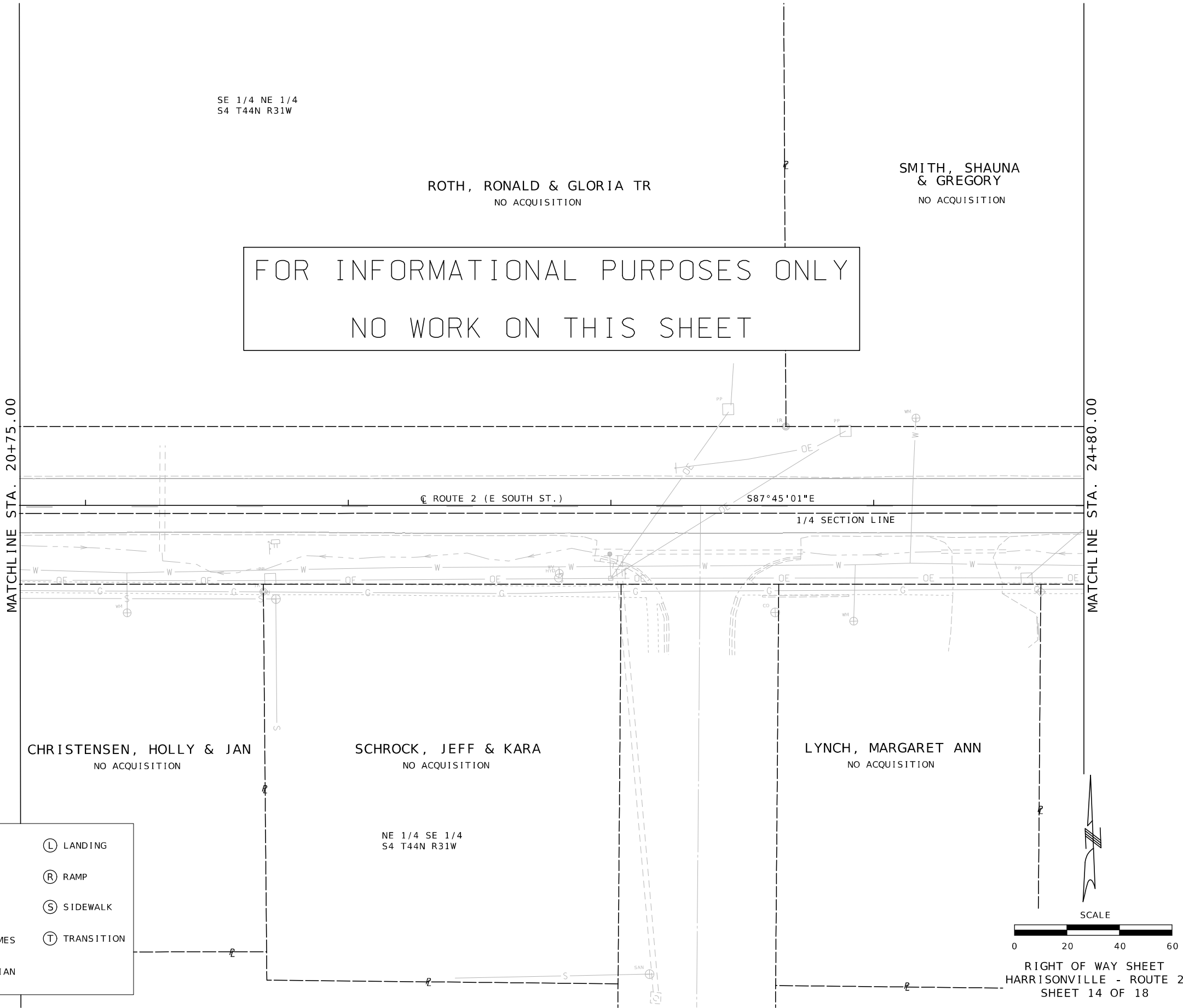
DATE	DESCRIPTION

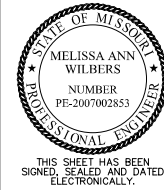
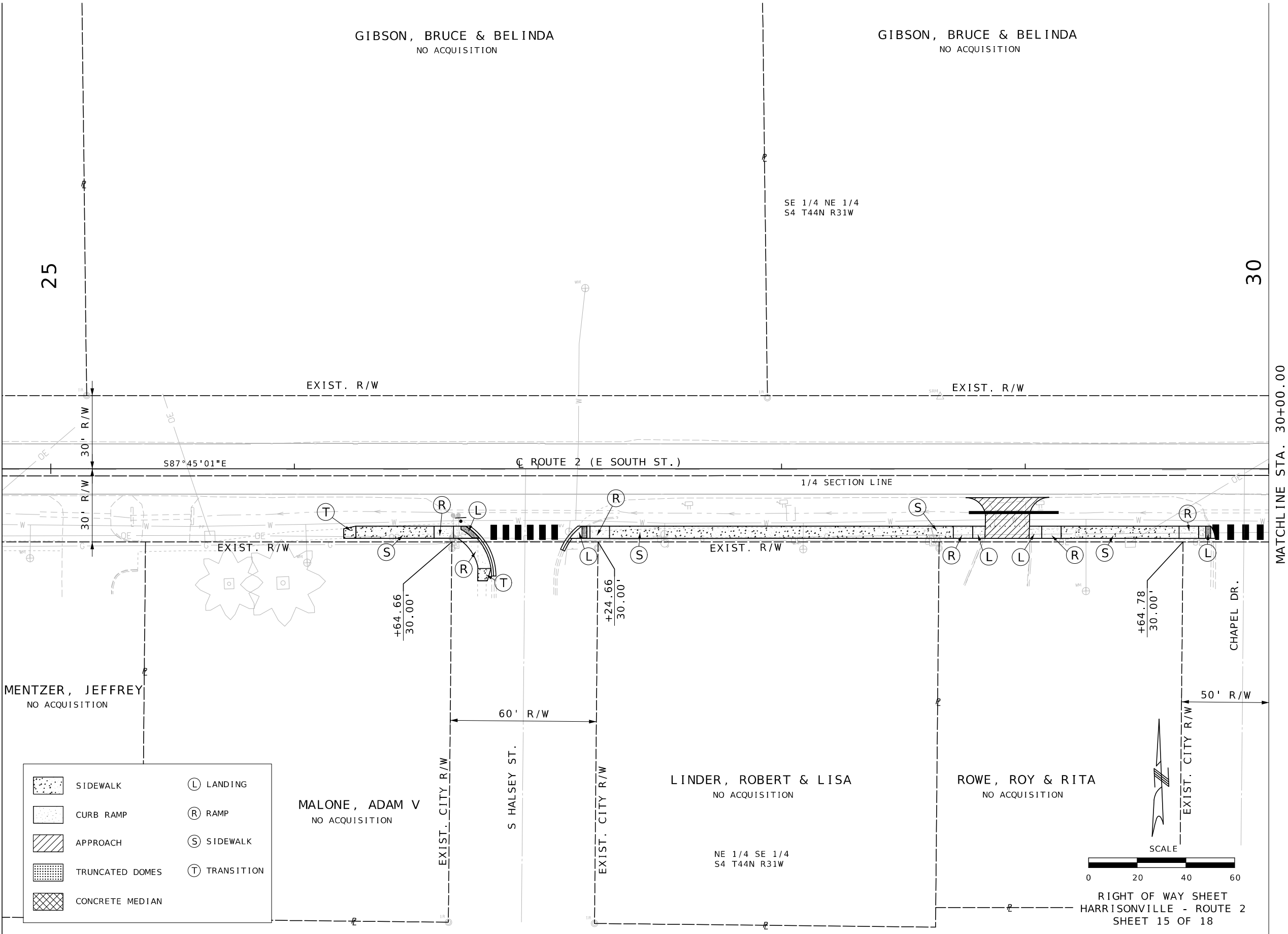
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



Bartlett & West
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 872-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

	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.
57

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

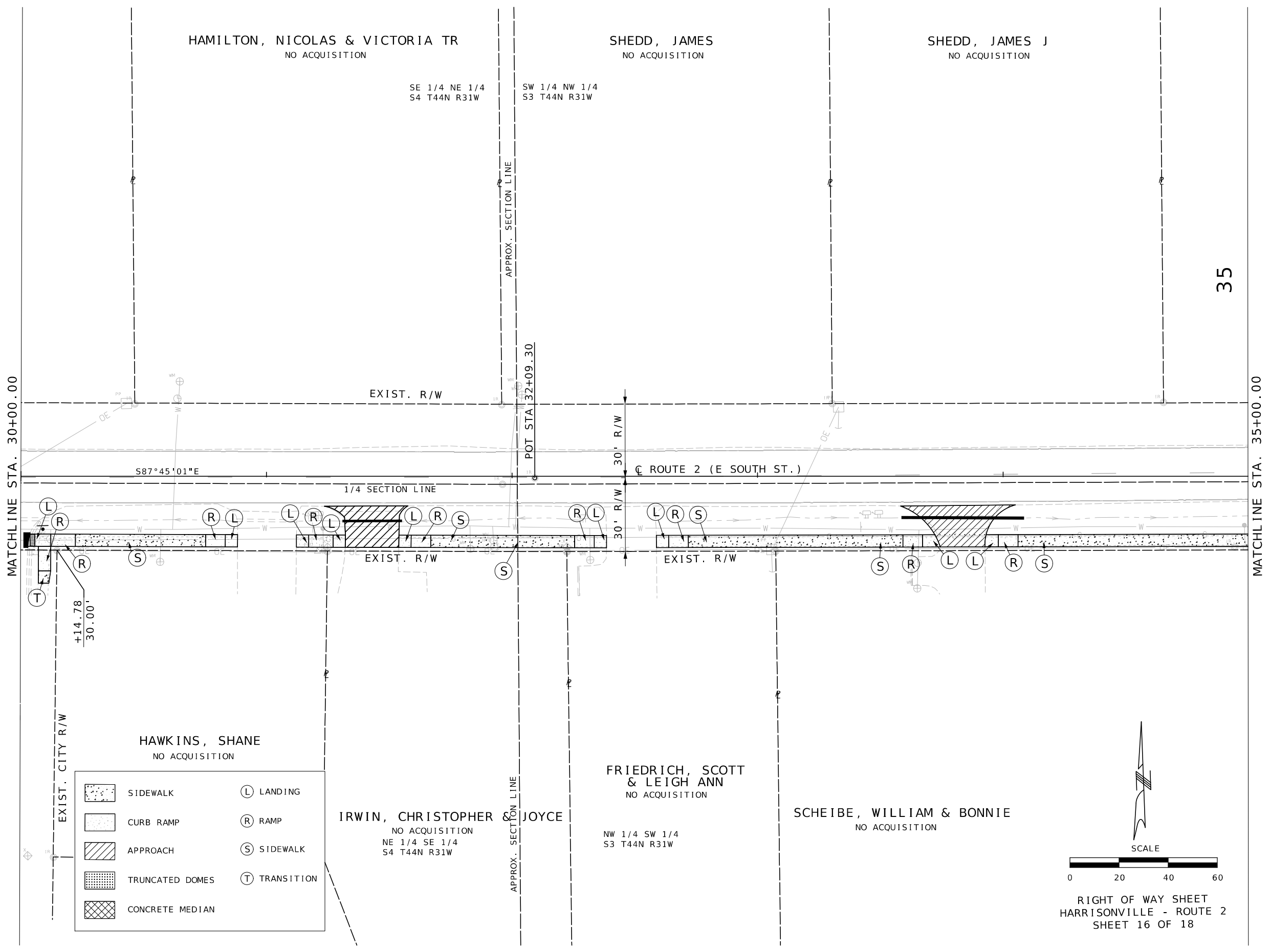
DATE	DESCRIPTION

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 572-634-3162
WWW.BARTLETTWEST.COM



HAWKINS, SHANE
NO ACQUISITION

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

SCALE

0 20 40 60

RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 16 OF 18

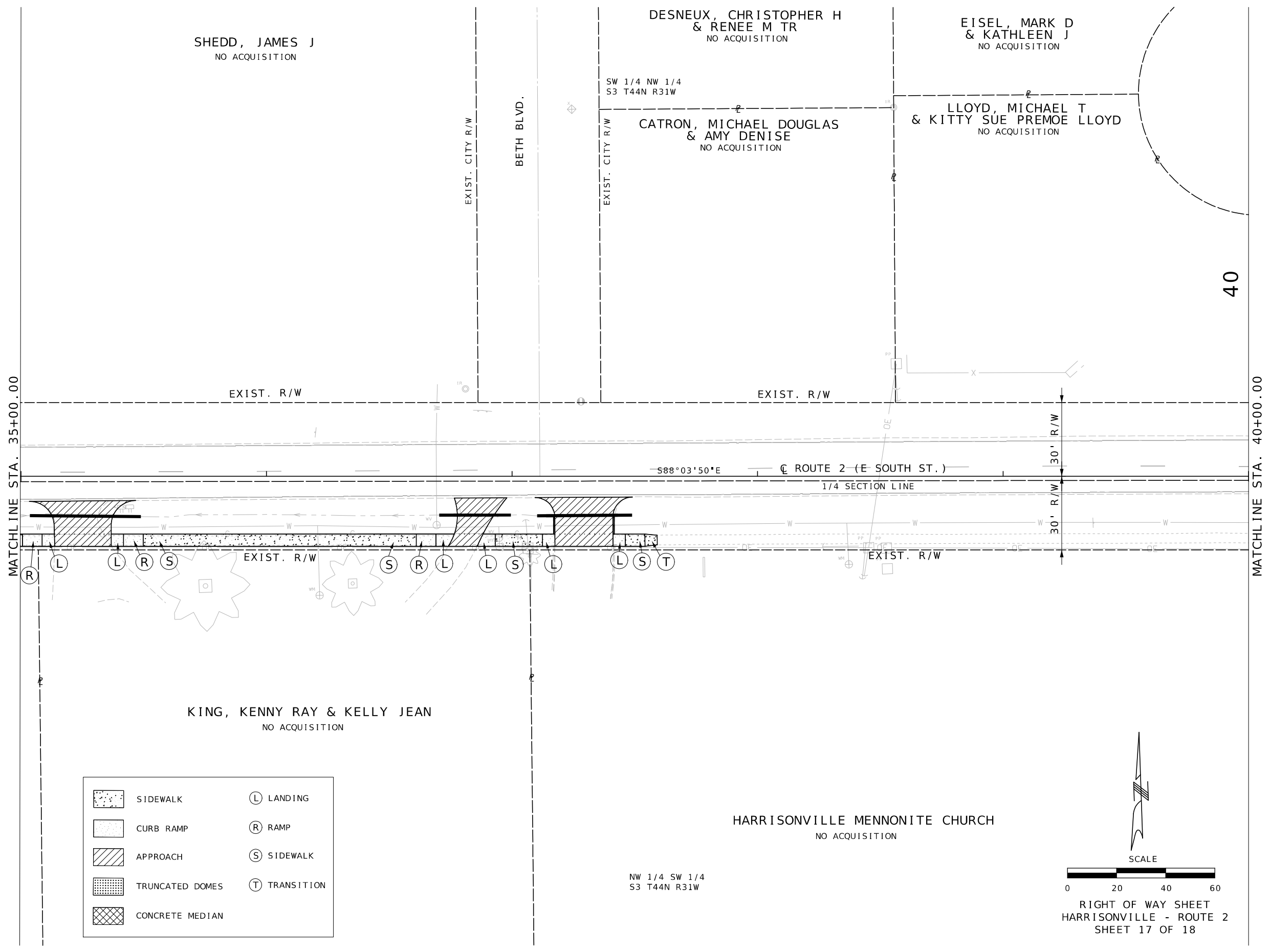
DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 58
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65104-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



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

SCALE

0 20 40 60

RIGHT OF WAY SHEET
HARRISONVILLE - ROUTE 2
SHEET 17 OF 18

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.

DESCRIPTION	DATE

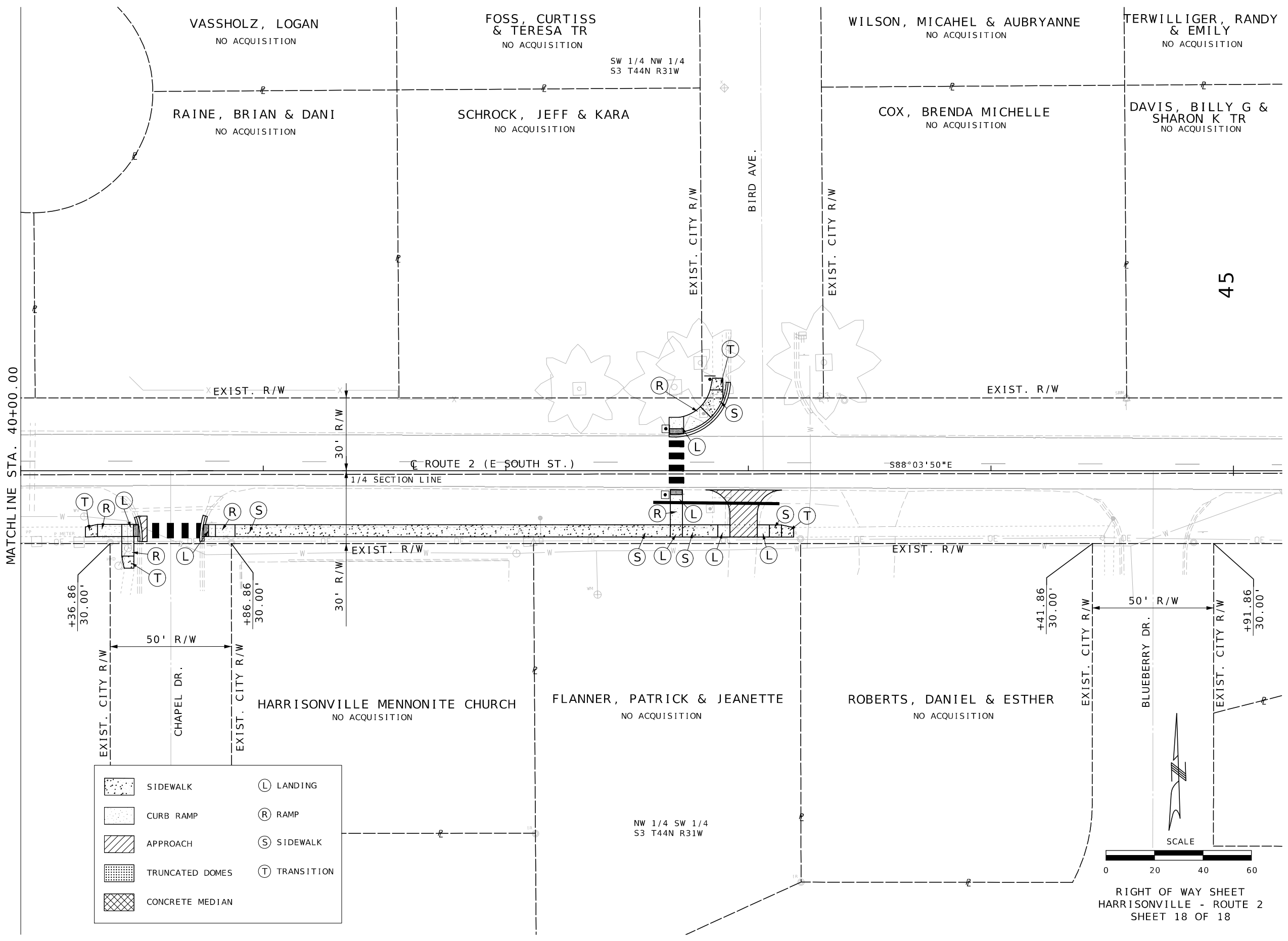
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 572-634-3162
WWW.BARTLETTWEST.COM

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING



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

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

DATE PREPARED
2/29/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 60

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

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

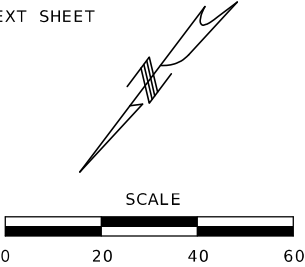
S SIDEWALK

T TRANSITION

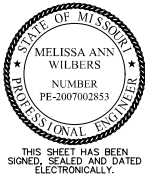
THUNDERBIRD INVESTORS
C/O YARCO COMPANIES
NO ACQUISITION

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.	

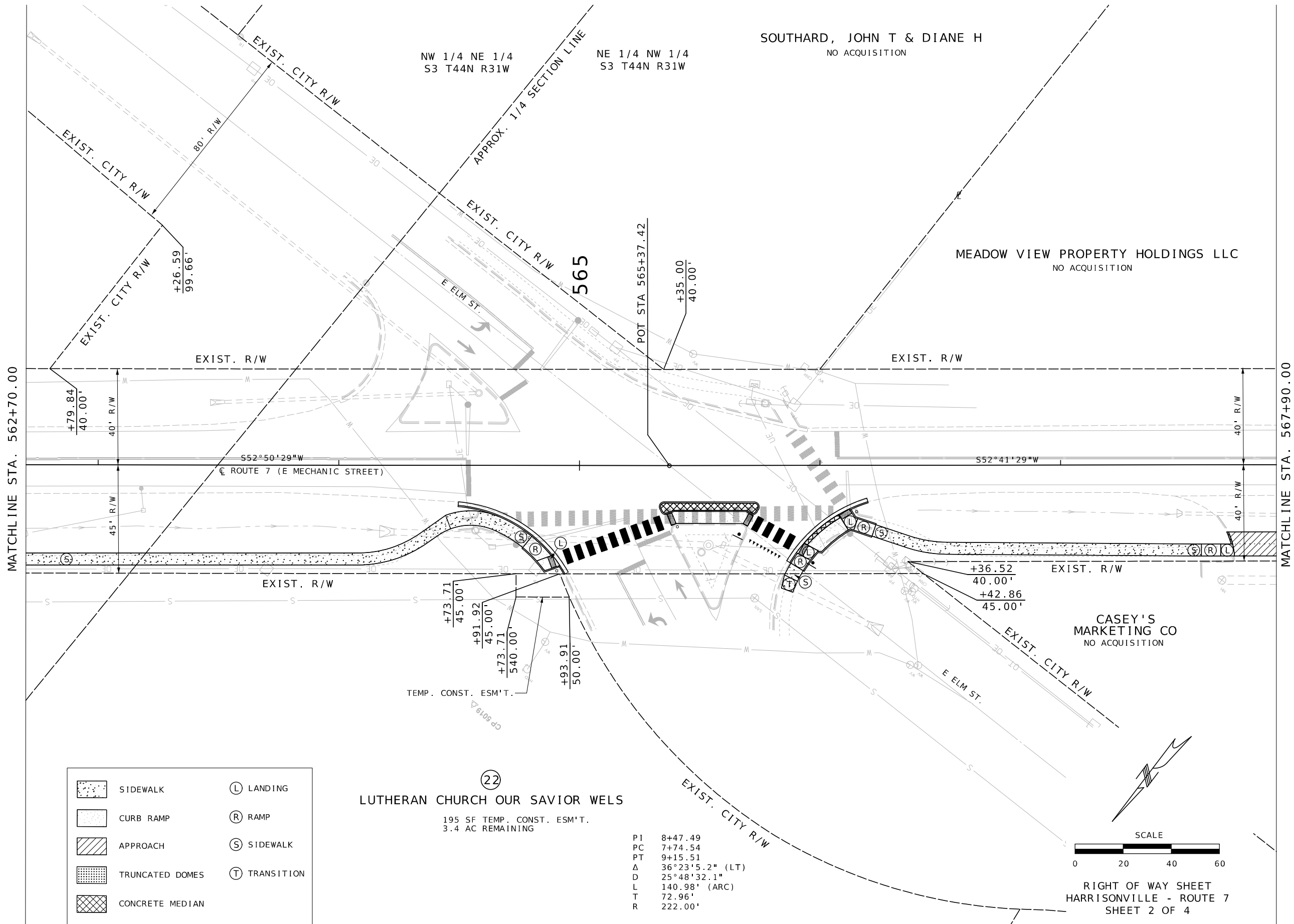
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST 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
WWW.BARTLETTWEST.COM



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

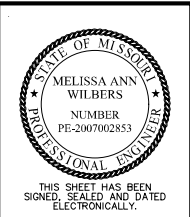
(22)
LUTHERAN CHURCH OUR SAVIOR WELS
195 SF TEMP. CONST. ESM'T.
3.4 AC REMAINING

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'

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

SCALE

0 20 40 60



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)

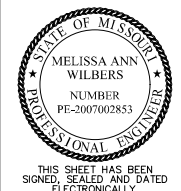
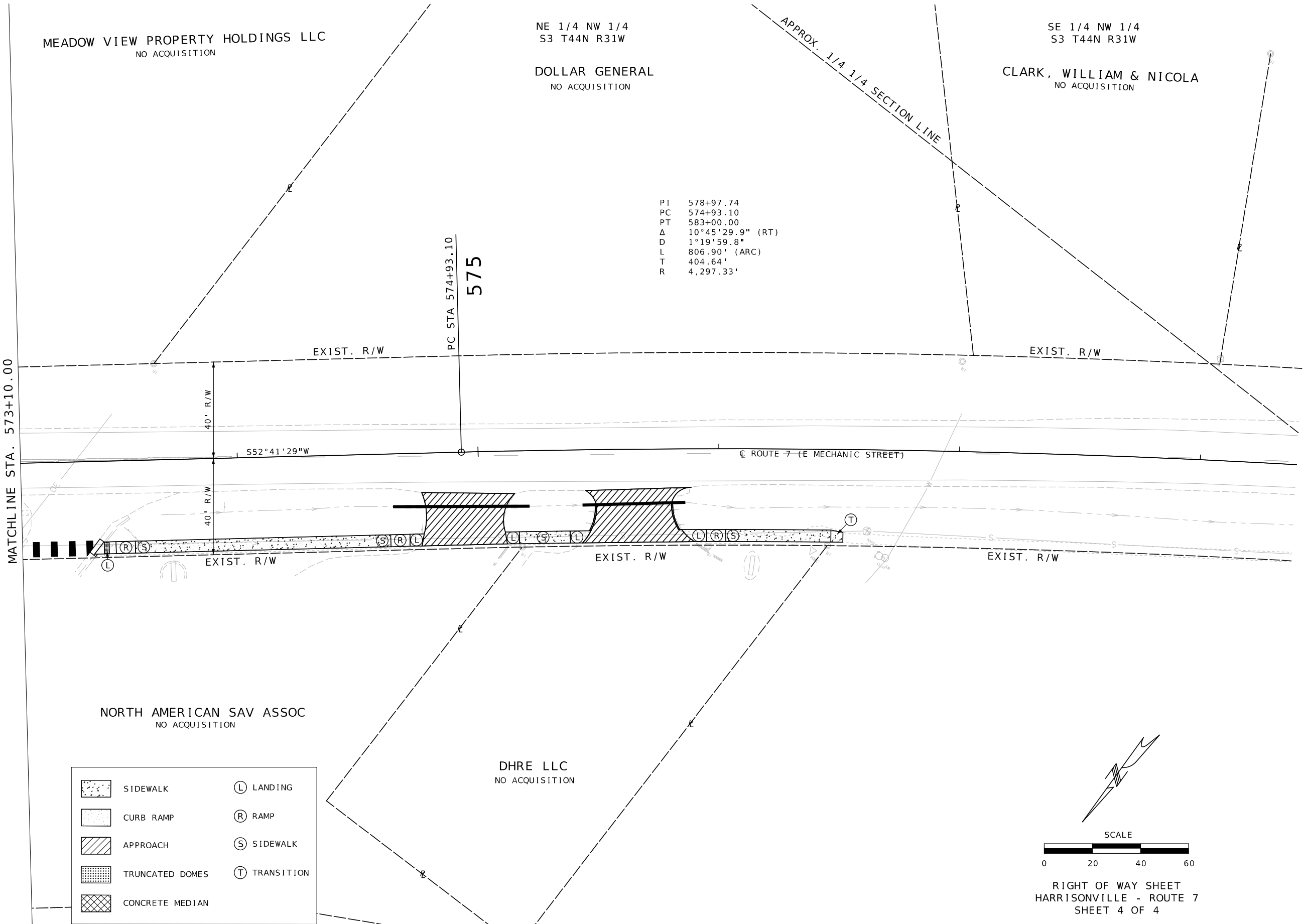
Bartlett & West

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

pw://bartwest-pw.bentley.com:bartwest-pw-01/Documents/Proj/19000/19421/19421.D30/OpenRoads Designer/J4P3268D Cass ADA/plan_sheets/02_Final_Plans/063_RW_J4P3268D_i20.dgn 10:57:09 AM 2/29/2024



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.

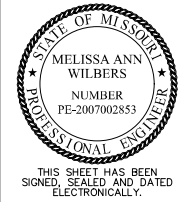
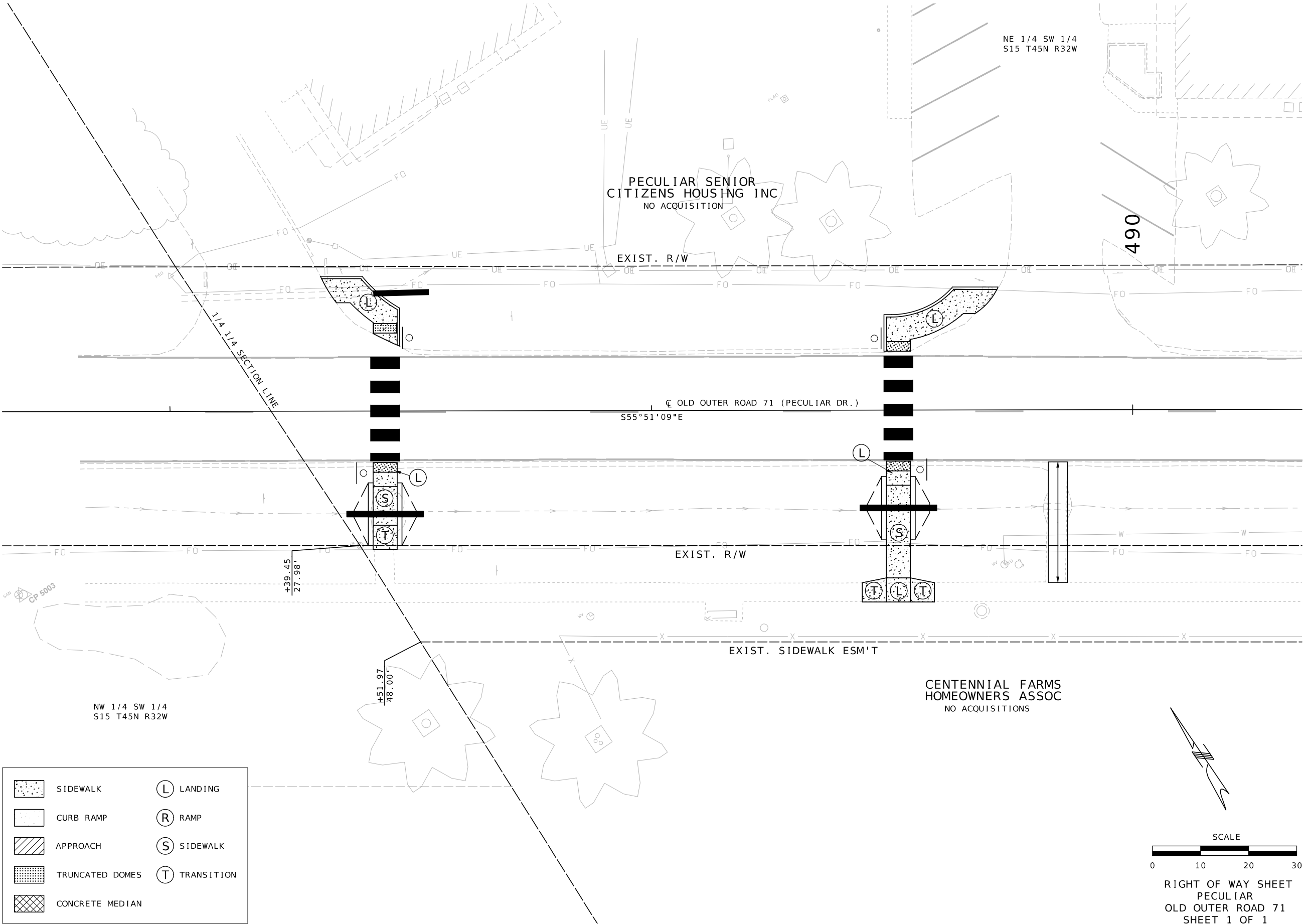
DESCRIPTION	DATE

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



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.

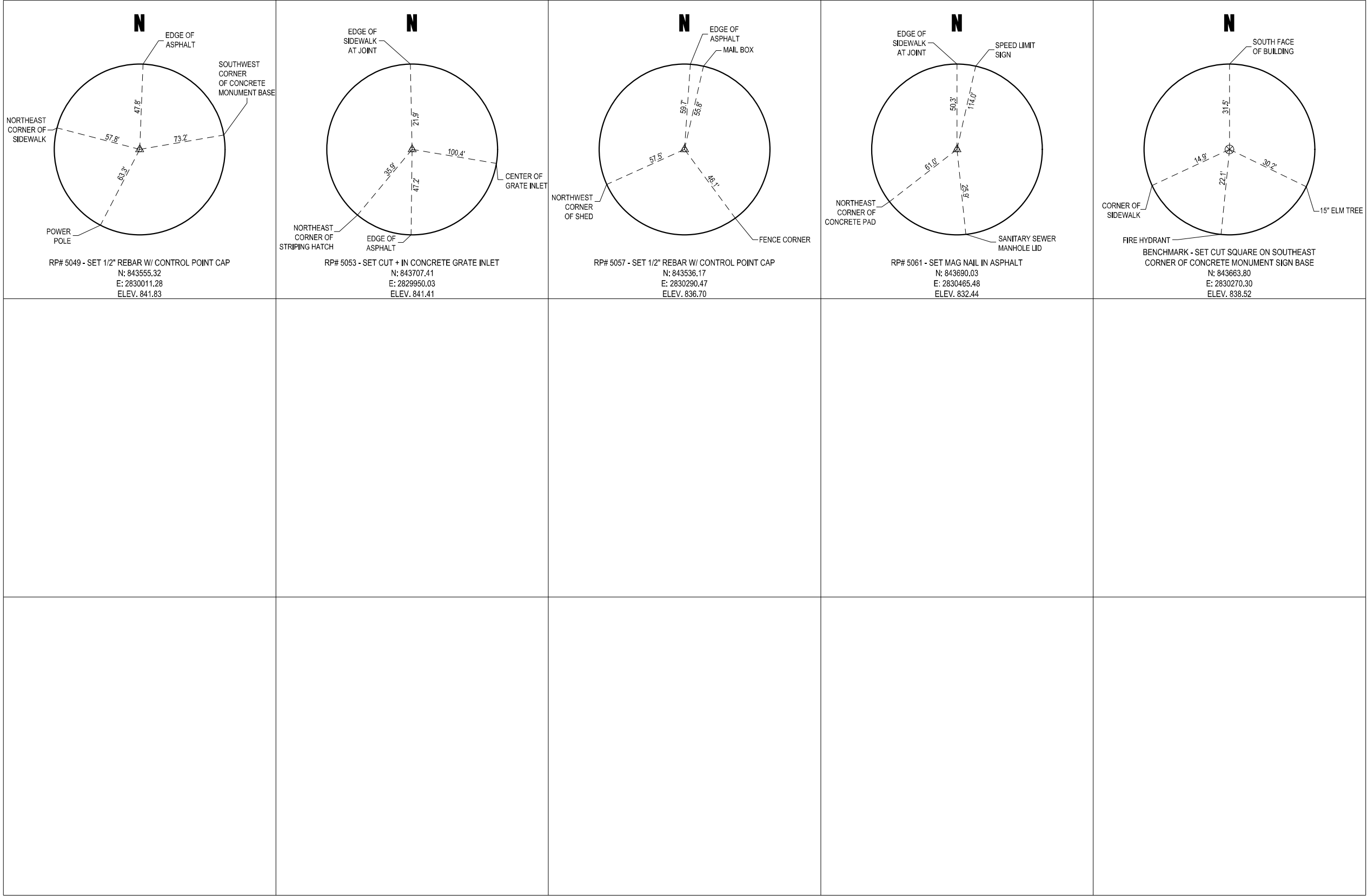
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

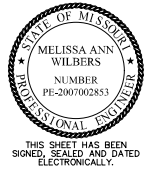
Bartlett & West

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



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

STATE
MO

DISTRICT
KC

SHEET NO.
66

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

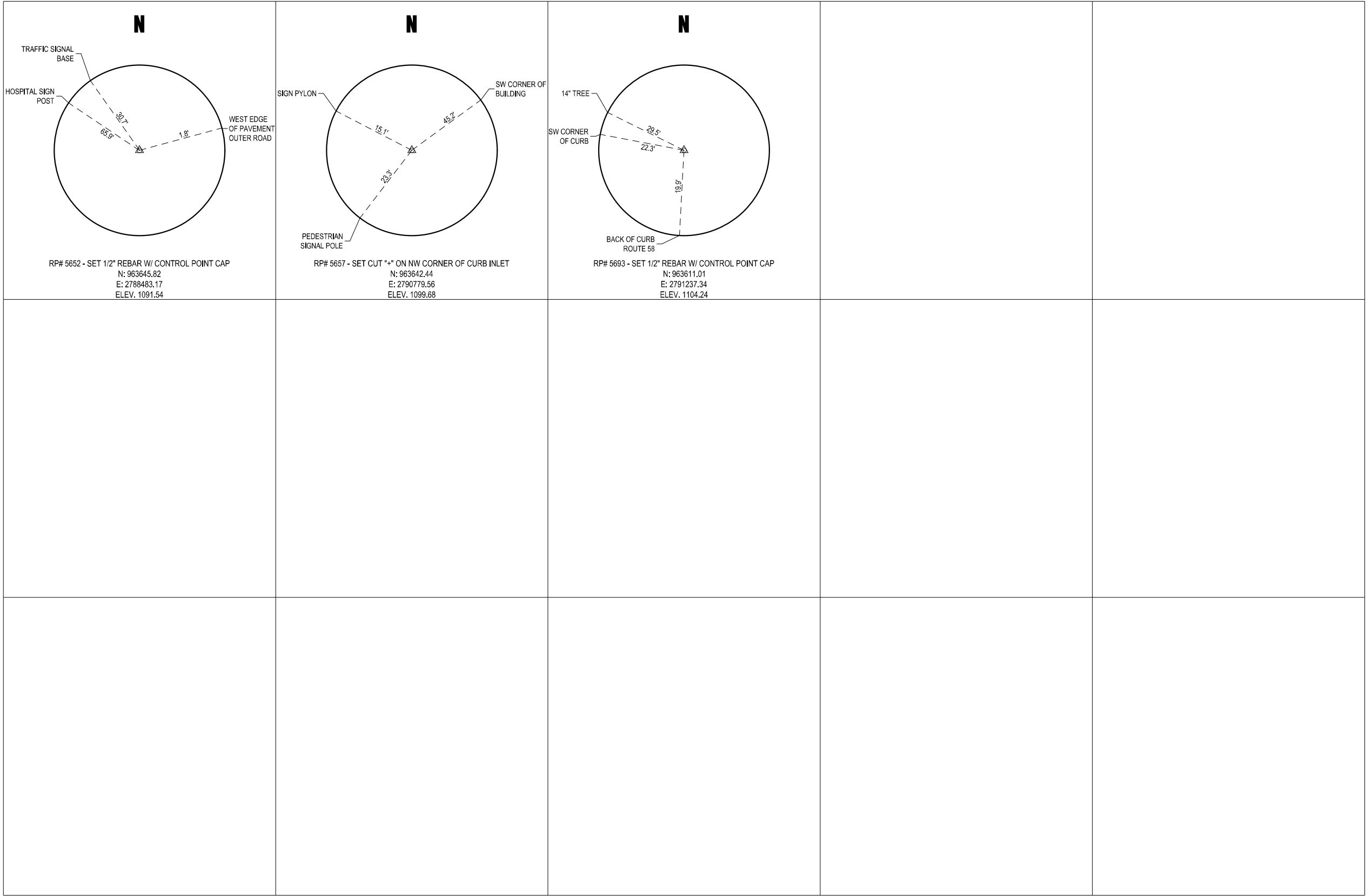


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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.



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

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

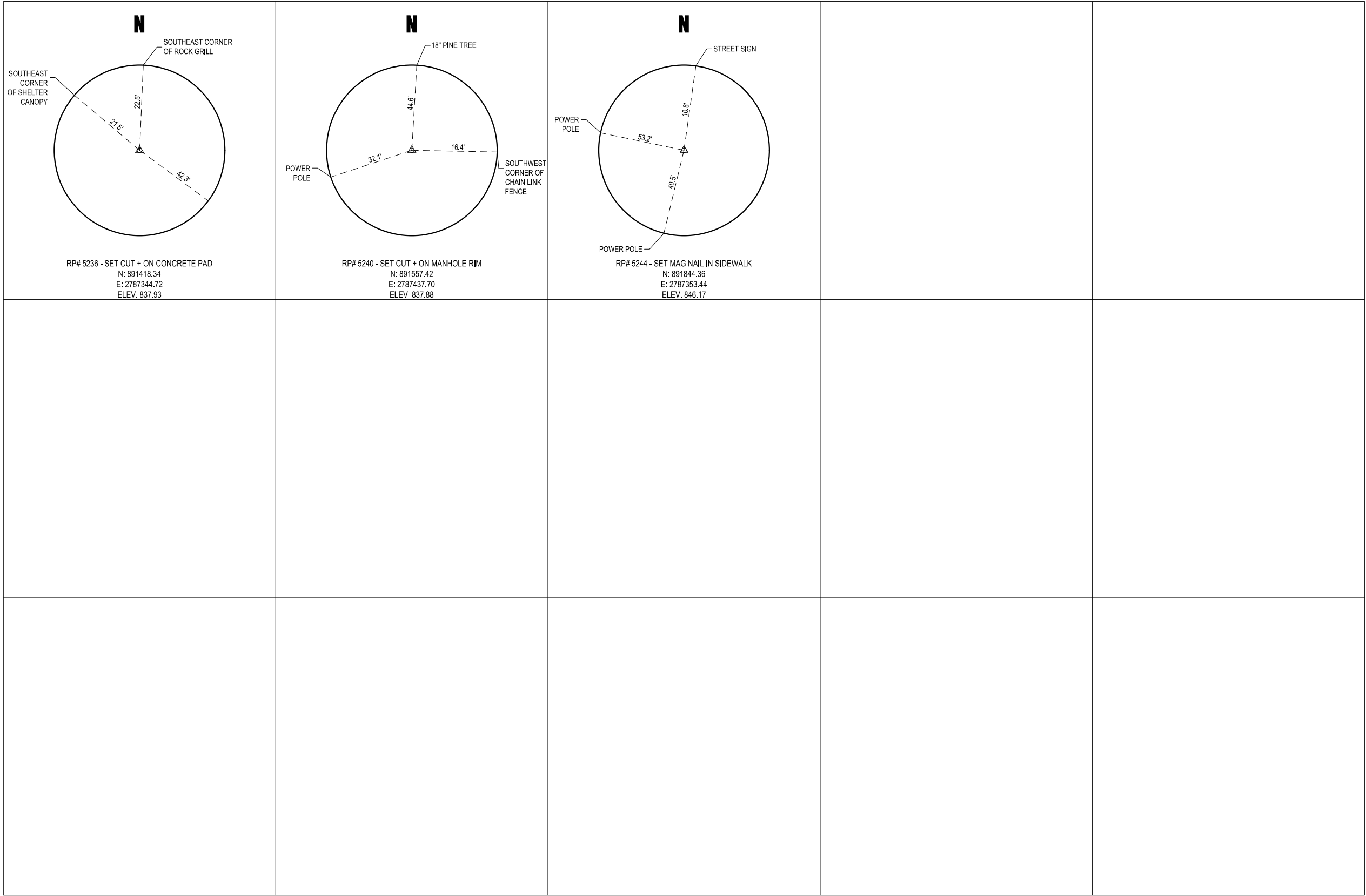
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

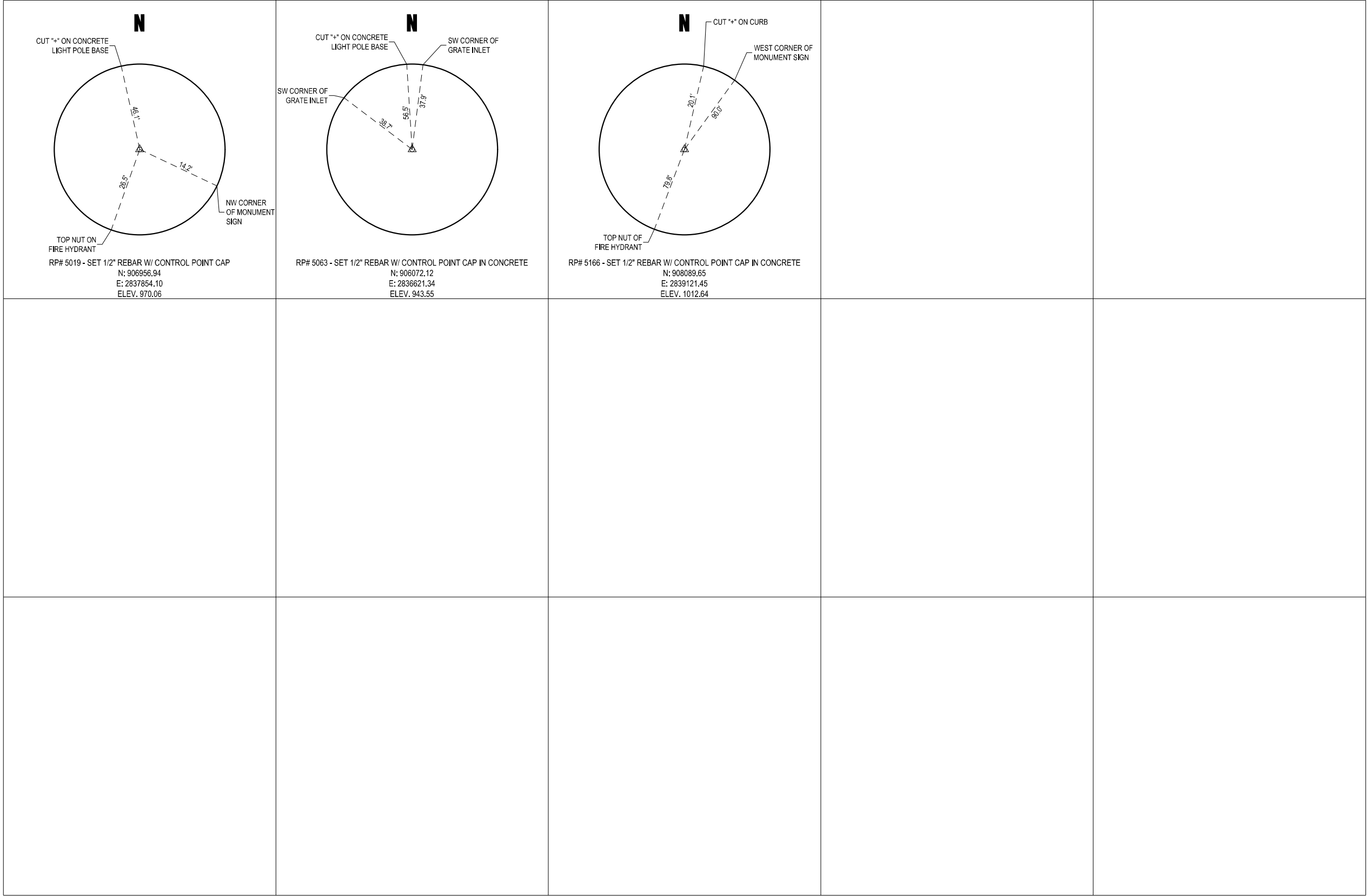
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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/068_RP_J4P3268D_I1-Freeman.dgn 10:57:55 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 1.00009541 = 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.	

DATE	DESCRIPTION

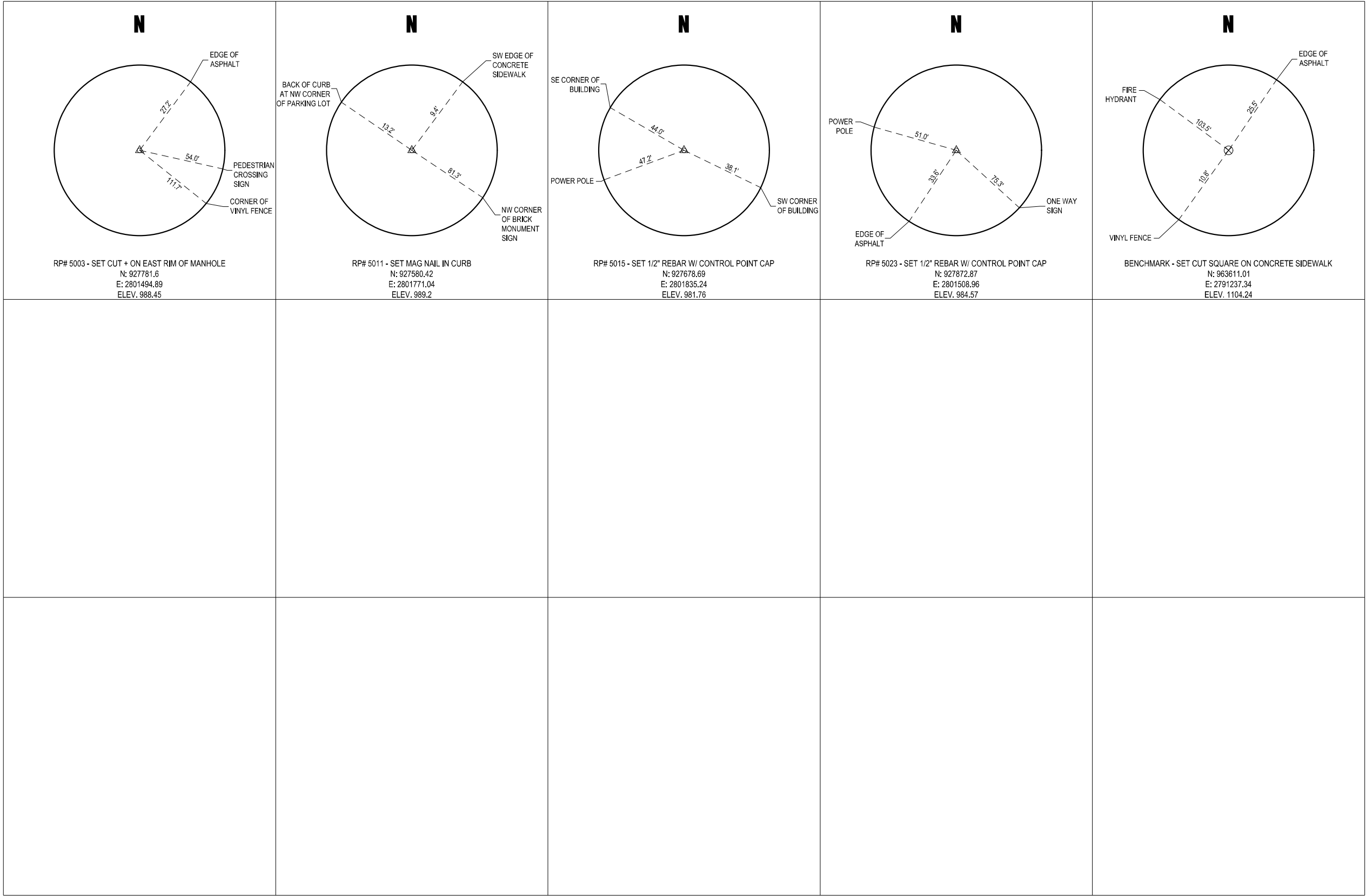
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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

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

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	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

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

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]

AL I GNMENTS

ROUTE A

N/A	740+60.37		00.00	843637.41	2829345.59	00.00	POINT OF INTERSECTION	P.I.
N/A	740+70.37		00.00	843637.09	2829355.59	00.00	POINT ON TANGENT	P.O.T.
1	744+00.00		00.00	843626.62	2829685.05	00.00	BEGINNING OF PROJECT	B.P.
1	754+00.00		00.00	843609.15	2830234.77	00.00	END OF PROJECT	E.P.
N/A	752+07.90		00.00	843600.96	2830492.54	00.00	POINT OF INTERSECTION	P.I.

[illegible]

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
01/20/2000

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	72

COUNTY
CASECASS
JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

COMMISSION



Bartlett & West

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

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
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		

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	STATE
MAAD	MO

DISTRICT	SHEET NO.
140	51

COUNTY

CASS
JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



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

105 WEST CAPITAL

JEFFERSON CITY, MO 65102

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

Bartlett & West

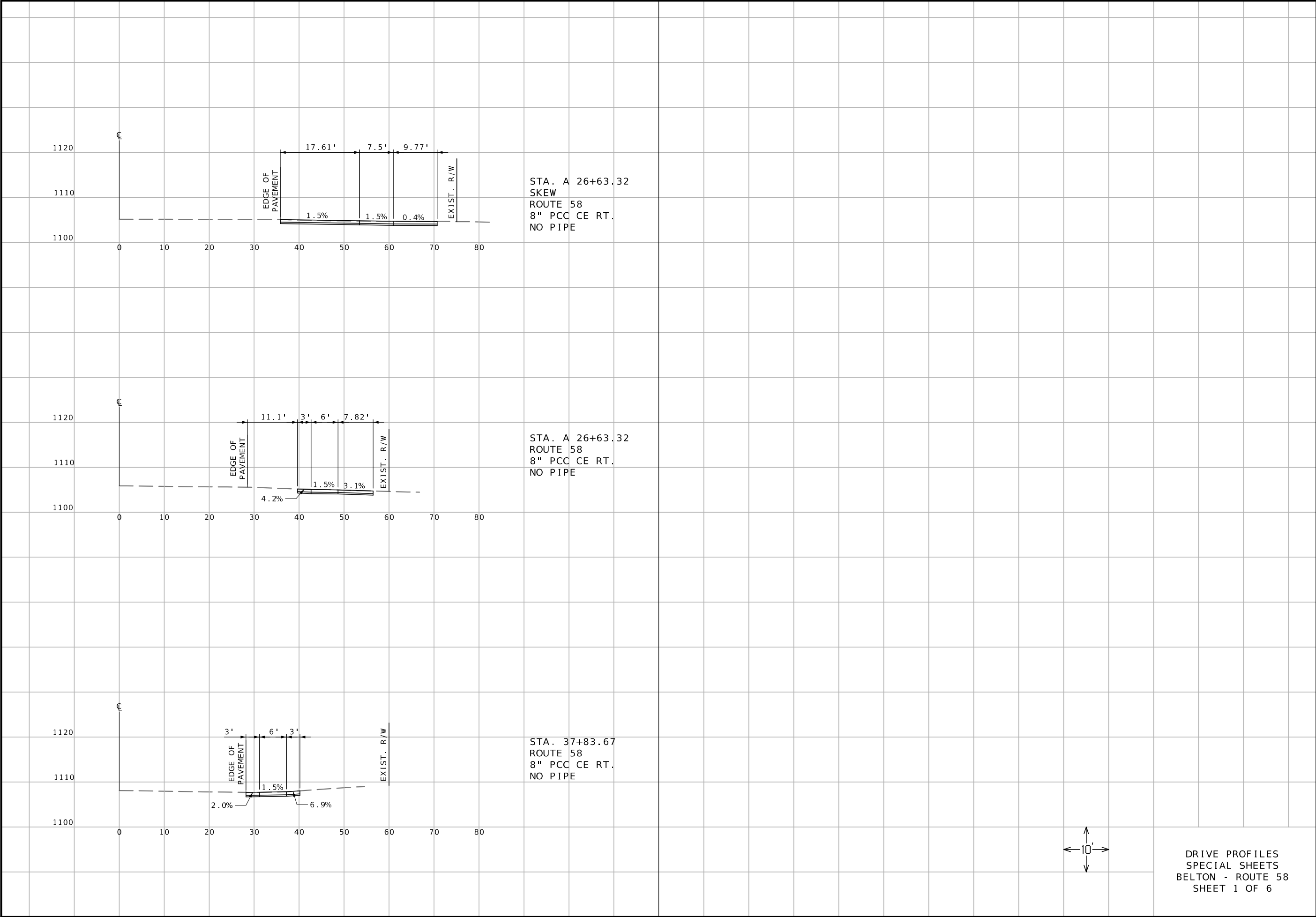
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180

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



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.
78

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



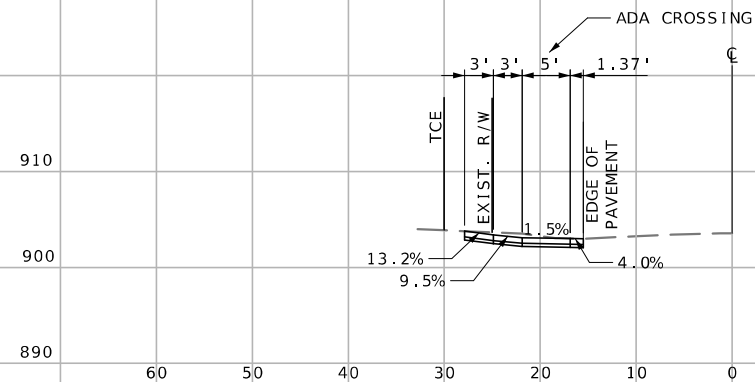
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

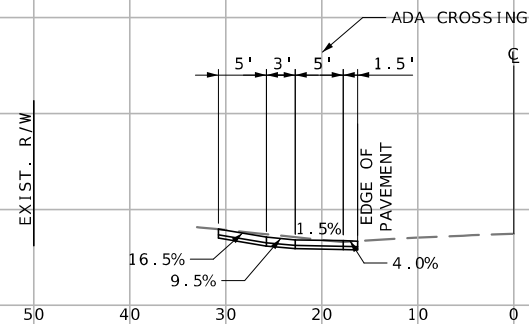
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

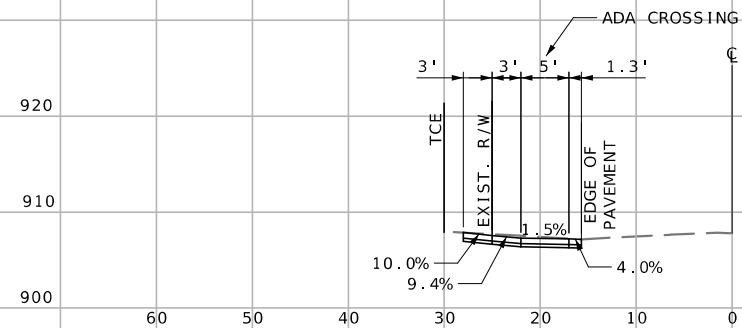




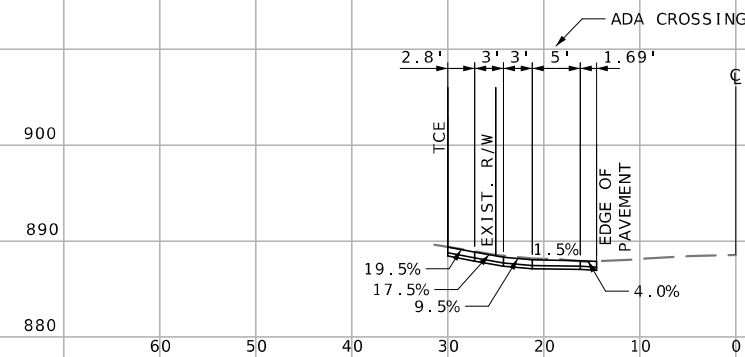
STA. 653+33.91	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



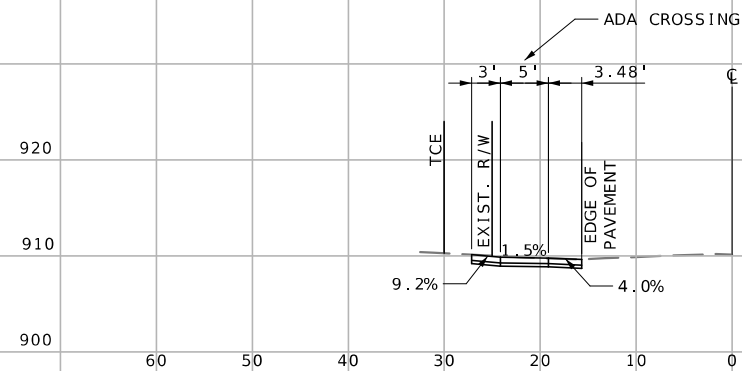
STA. 657+52.42	
ROUTE 2	
7" PCC PE LT.	
NO PIPE	



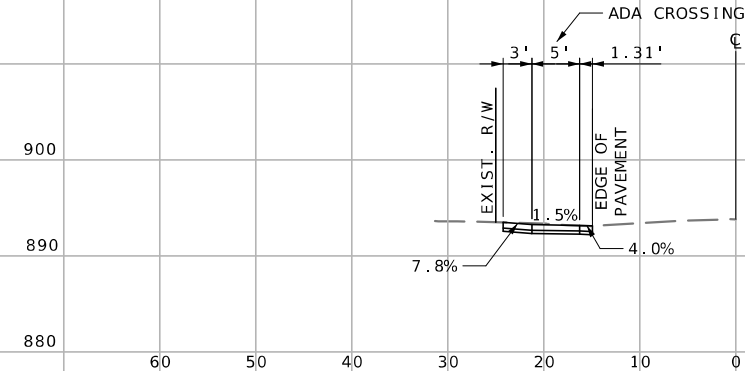
STA. 652+24.95	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



STA. 656+92.05	
ROUTE 2	
7" PCC PE LT.	
NO PIPE	

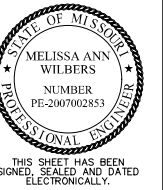


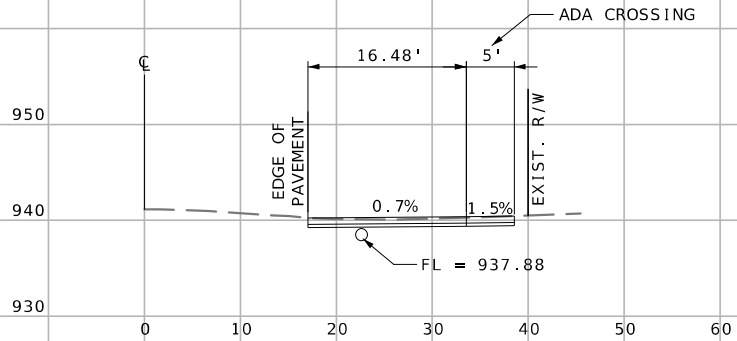
STA. 651+39.45	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	



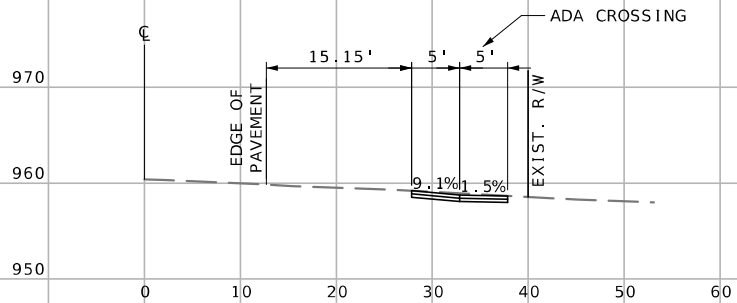
STA. 655+35.82	
ROUTE 2	
7" PCC CE LT.	
NO PIPE	

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

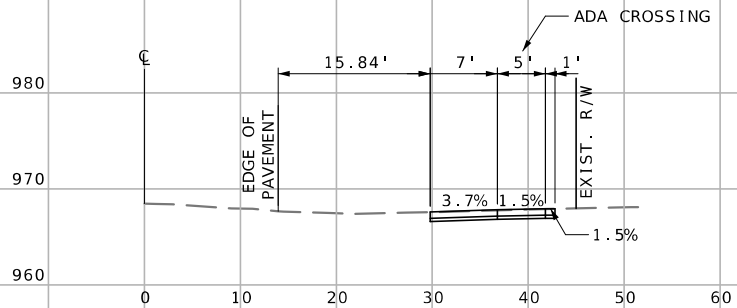




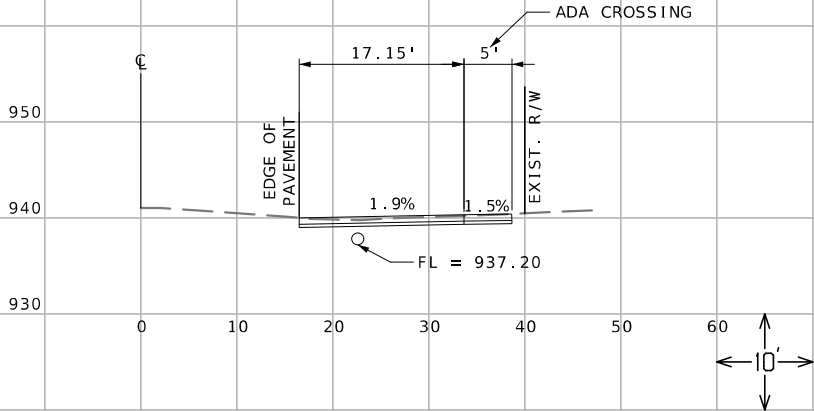
STA. 574+95.48
ROUTE 7
8" PCC CE RT.
15"X57' GROUP C PIPE



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

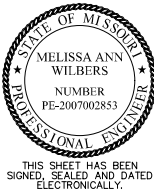


STA. 561+61.84
ROUTE 7
8" PCC CE RT.
UIP PIPE



STA. 575+66.30
ROUTE 7
8" PCC CE RT.
15"X43' GROUP C PIPE

DRIVE PROFILES
SPECIAL SHEETS
HARRISONVILLE - ROUTE 7
SHEET 6 OF 6



DATE PREPARED 2/29/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 83
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

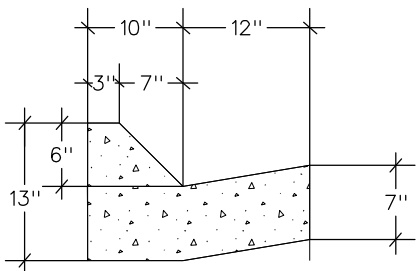
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-64-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

MODIFIED TYPE A CURB AND GUTTER



DETAILED SHEETS
SHEET 1 OF 2



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

DISTRICT SHEET NO.

COUNTY
CASE

JOB NO.
14B3268D

CONCLUSIONS: The

[illegible]

	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	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

[illegible]

	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	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

	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	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

[illegible][illegible][illegible]

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

65
66

5T M -27

5
C1
- 8ON
RSC
OT

FL

CO

1



80

ERI

VEN

81
016
T.CO

8
FF
-63
NO
TTW

t

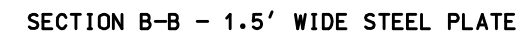
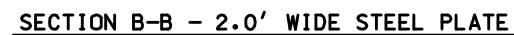
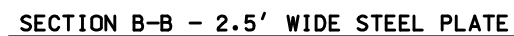
le
SUIT
F A
WWW

**THE S
CAT**

ER[®] MO[®] O[®]

E

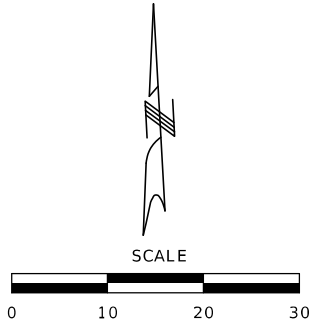
AM 2/29/2024



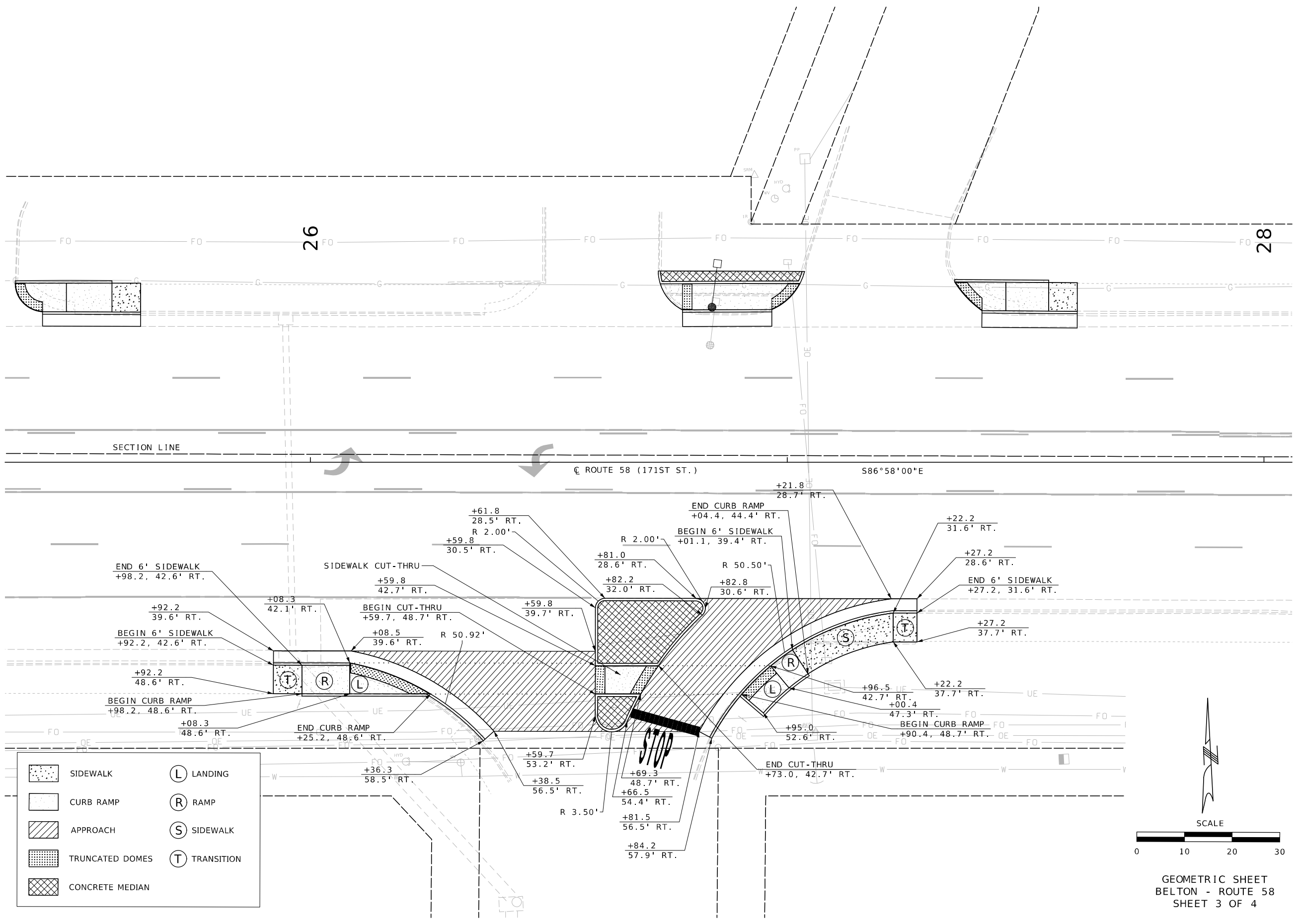
- (1) THE 1/2" STEEL SLIP-RESISTANT PLATE SHALL HAVE A MINIMUM STATIC COEFFICIENT OF FRICTION OF 0.6
- (2) FLATHEAD BRASS MACHINE SCREWS 3/8" x 7/8". HOLES SHALL BE DRILLED AND TAPPED IN THE FIELD AT INTERVALS NOT TO EXCEED 18" CENTER TO CENTER (NO DIRECT PAY).
- (3) ALL REINFORCING STEEL BARS SHALL BE EPOXY COATED (NO DIRECT PAY).
- (4) ALL REINFORCING STEEL, ANCHOR BARS, ANGLE IRON, SCREWS, AND 'T' SUPPORTS SHALL BE INCIDENTAL (NO DIRECT PAY).
- (5) SEE PLAN SHEETS FOR STEEL PLATE WIDTHS.

Bartlett & West

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

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

L

LANDING

R

RAMP

S

SIDEWALK

T

TRANSITION

0102030

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

DISTRICT

KC

STATE

MO

SHEET NO.

88

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 872-634-3161

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/088_GM_J4P3268D_I10.dgn 11:00:53 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	STAT
VAR	MO

DISTRICT	SHEET
KC	90

COUNTY
CASS

JOB NO.
14P3268D

CONTRACT ID.

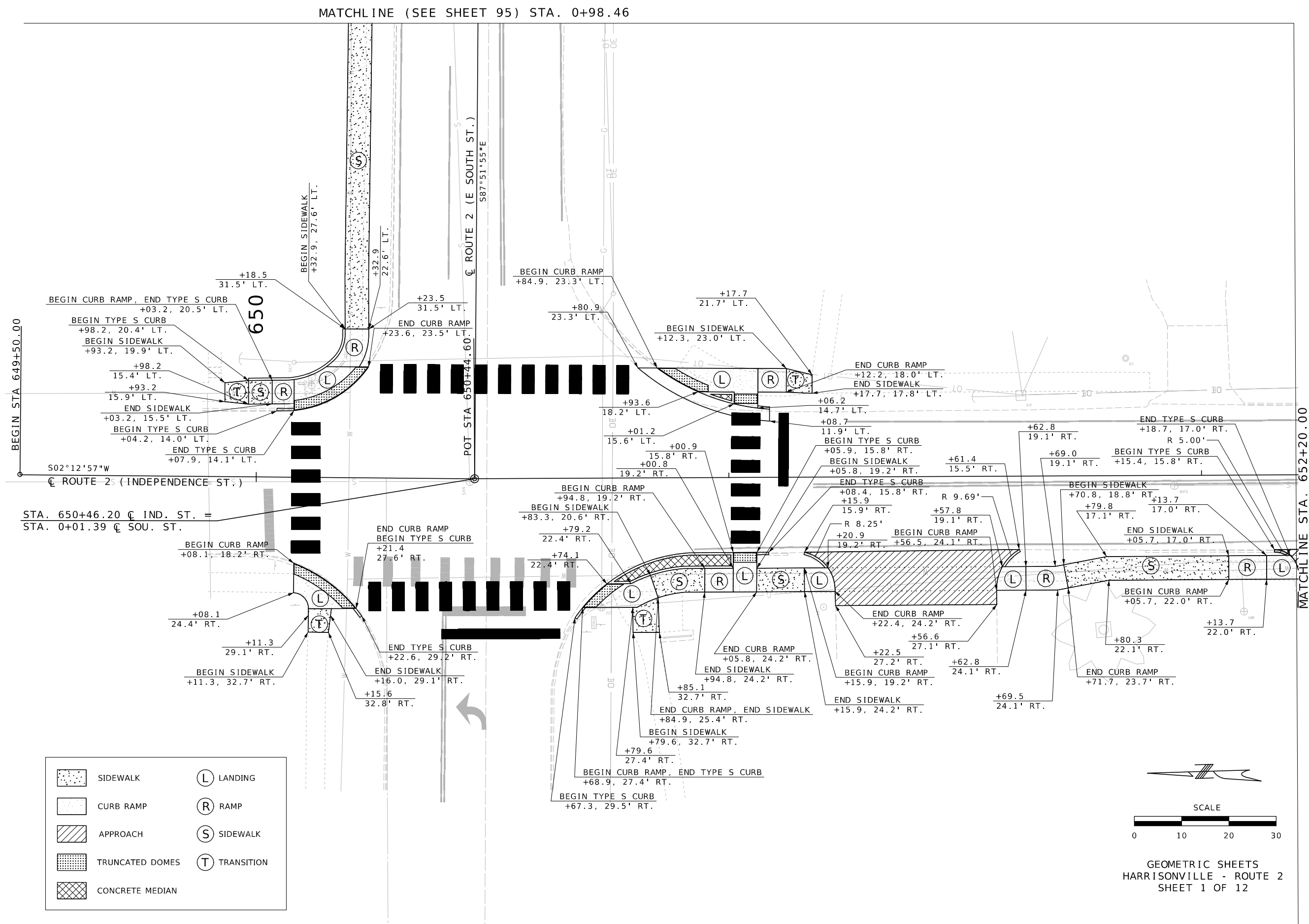
PROJECT NO.

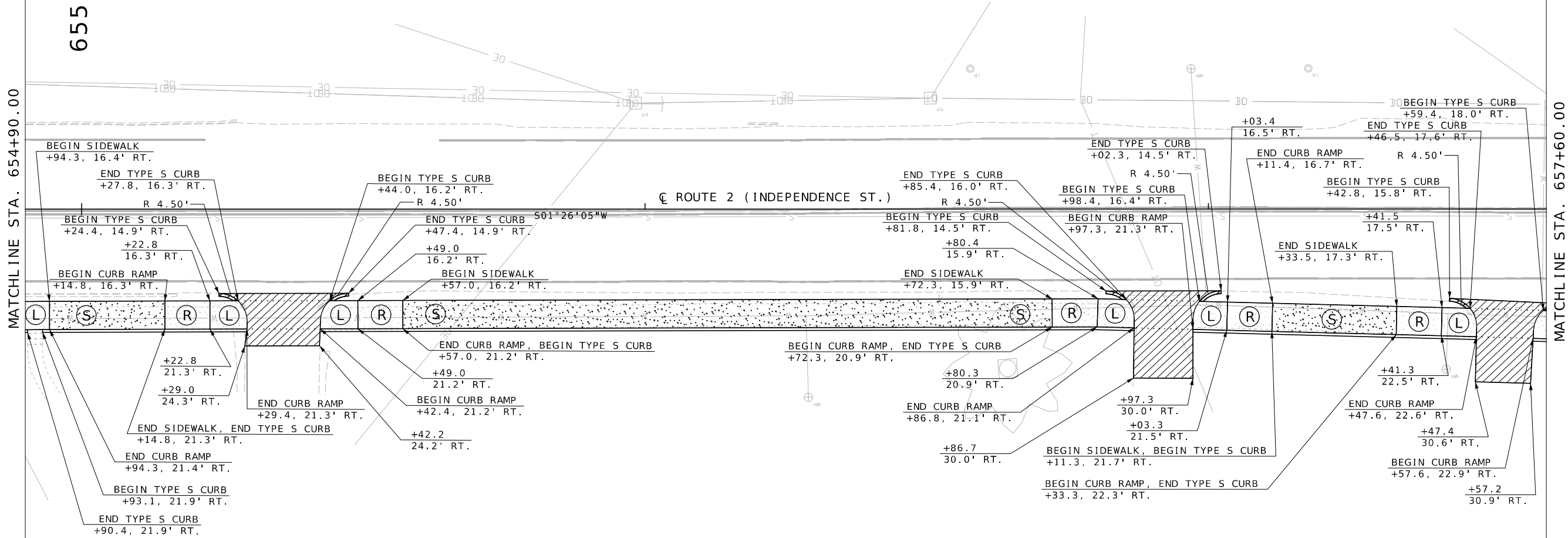
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

Bartlett & West

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

[illegible]



655

MATCHLINE STA. 654+90.00

MATCHLINE STA. 657+60.00

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

DATE PREPARED

2/29/2024

ROUTE

VAR

DISTRICT

KC

STATE

MO

SHEET NO.

92

COUNTY

CASS

JOB NO.

J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

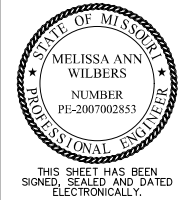
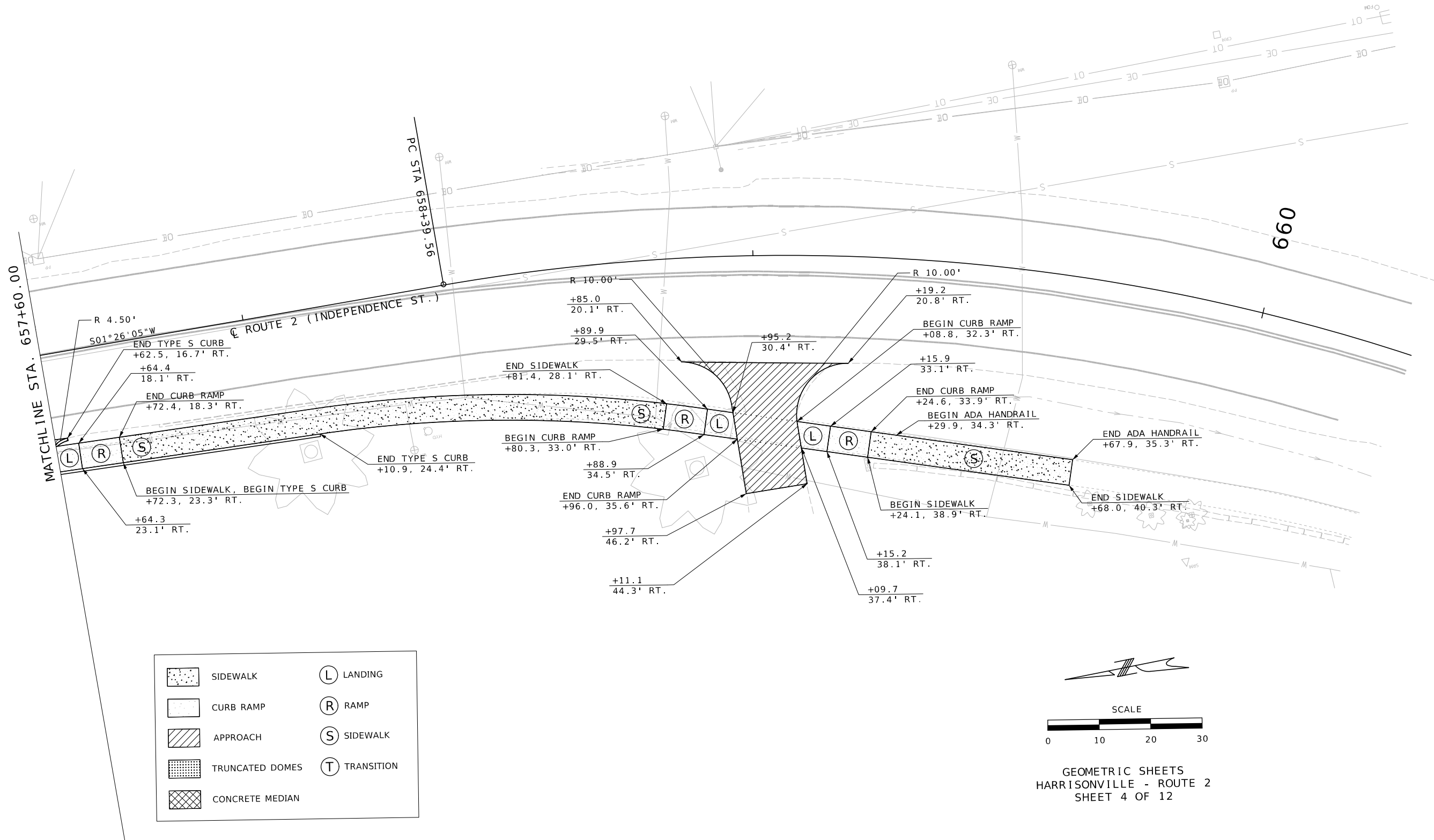
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

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 STATE
VAR MO
DISTRICT SHEET NO.
KC 93

COUNTY
CASS
JOB NO.
J4P3268D
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

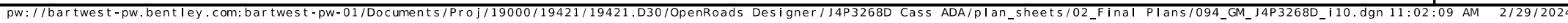
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

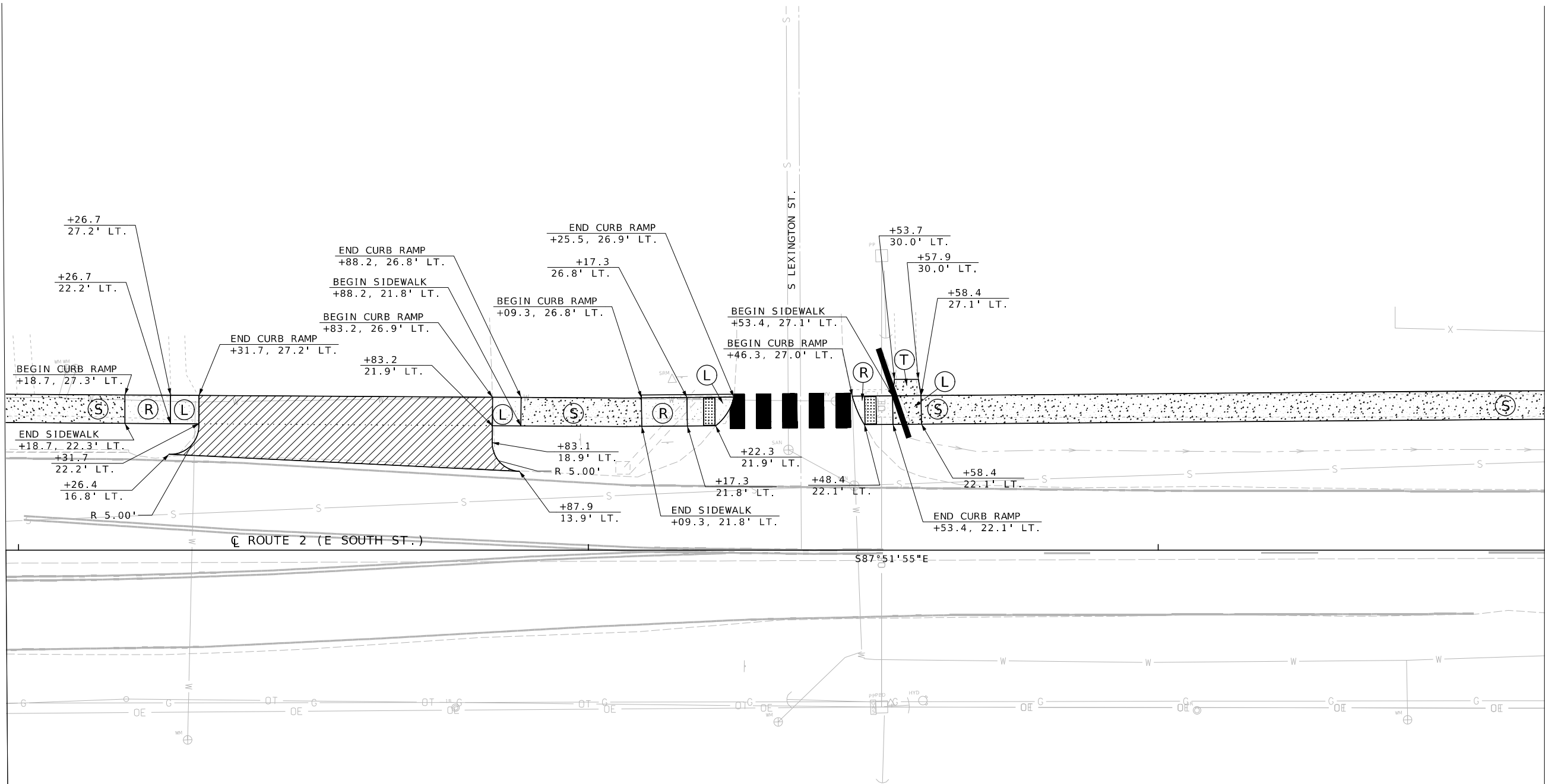
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

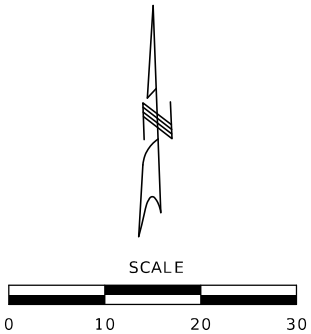
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



MATCHLINE (SEE SHEET 90) STA. 0+98.46

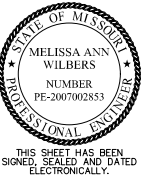


	SIDEWALK		LANDING
	CURB RAMP		RAMP
	APPROACH		SIDEWALK
	TRUNCATED DOMES		TRANSITION
	CONCRETE MEDIAN		



GEOMETRIC SHEETS
HARRISONVILLE - ROUTE 2
SHEET 6 OF 12

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.

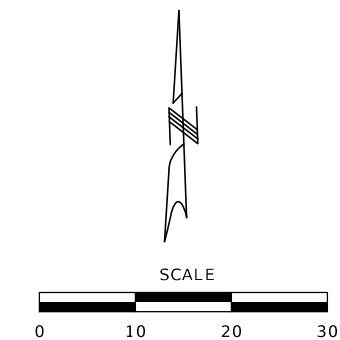
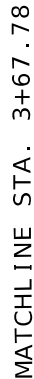
DATE	DESCRIPTION

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



DATE PREPARED
2/29/2024

ROUTE	STATE
WAR	MO

DISTRICT	SHEET NO.
KC	96

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.						

--	--	--	--	--

COMMISSION

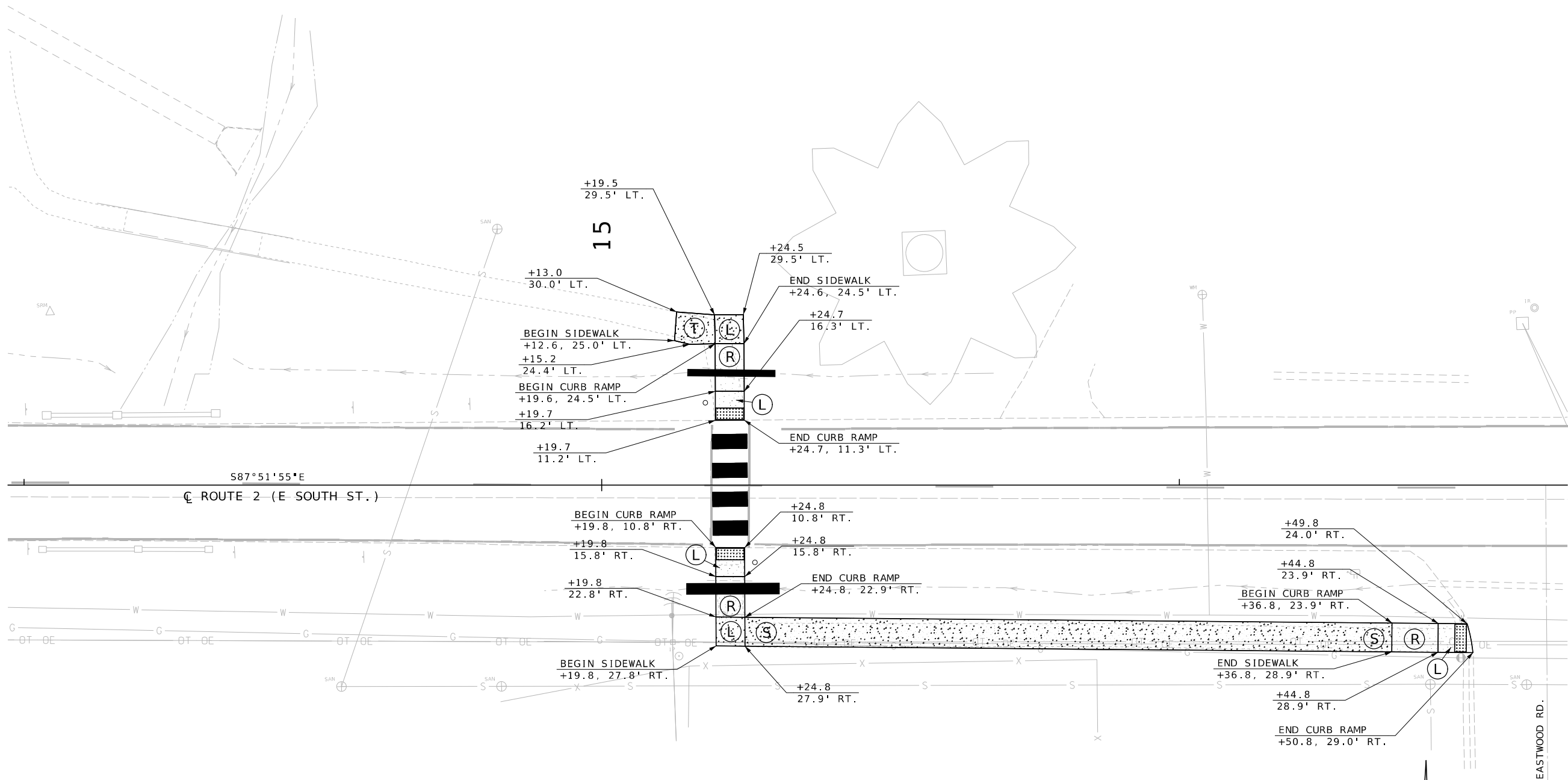


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

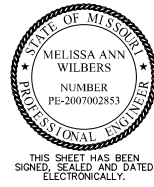
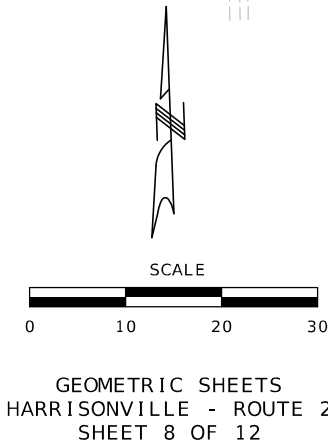
Bartlett & West

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

.....



	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. 97
COUNTY CASS	
JOB NO. J4P3268D	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

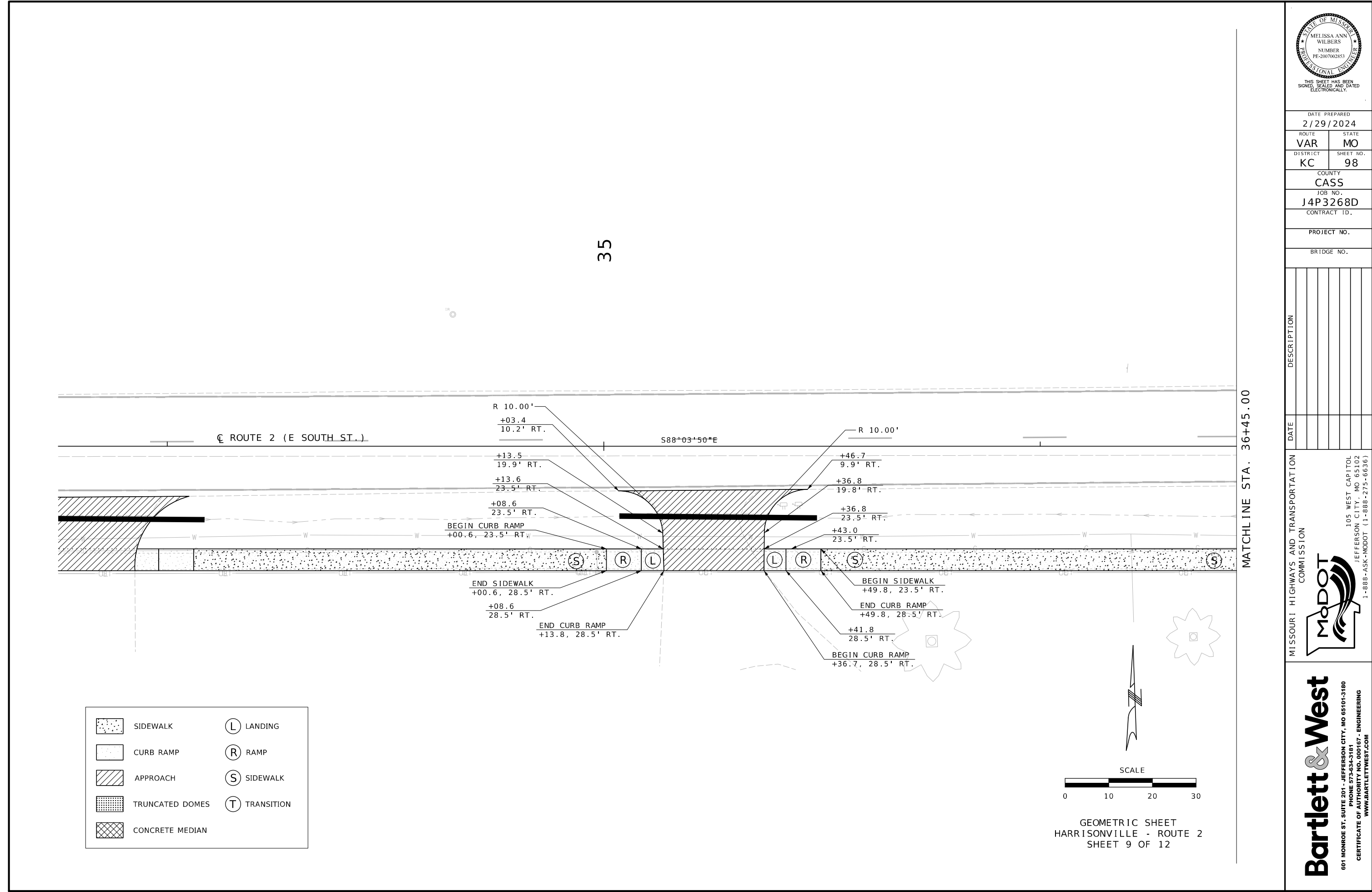
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

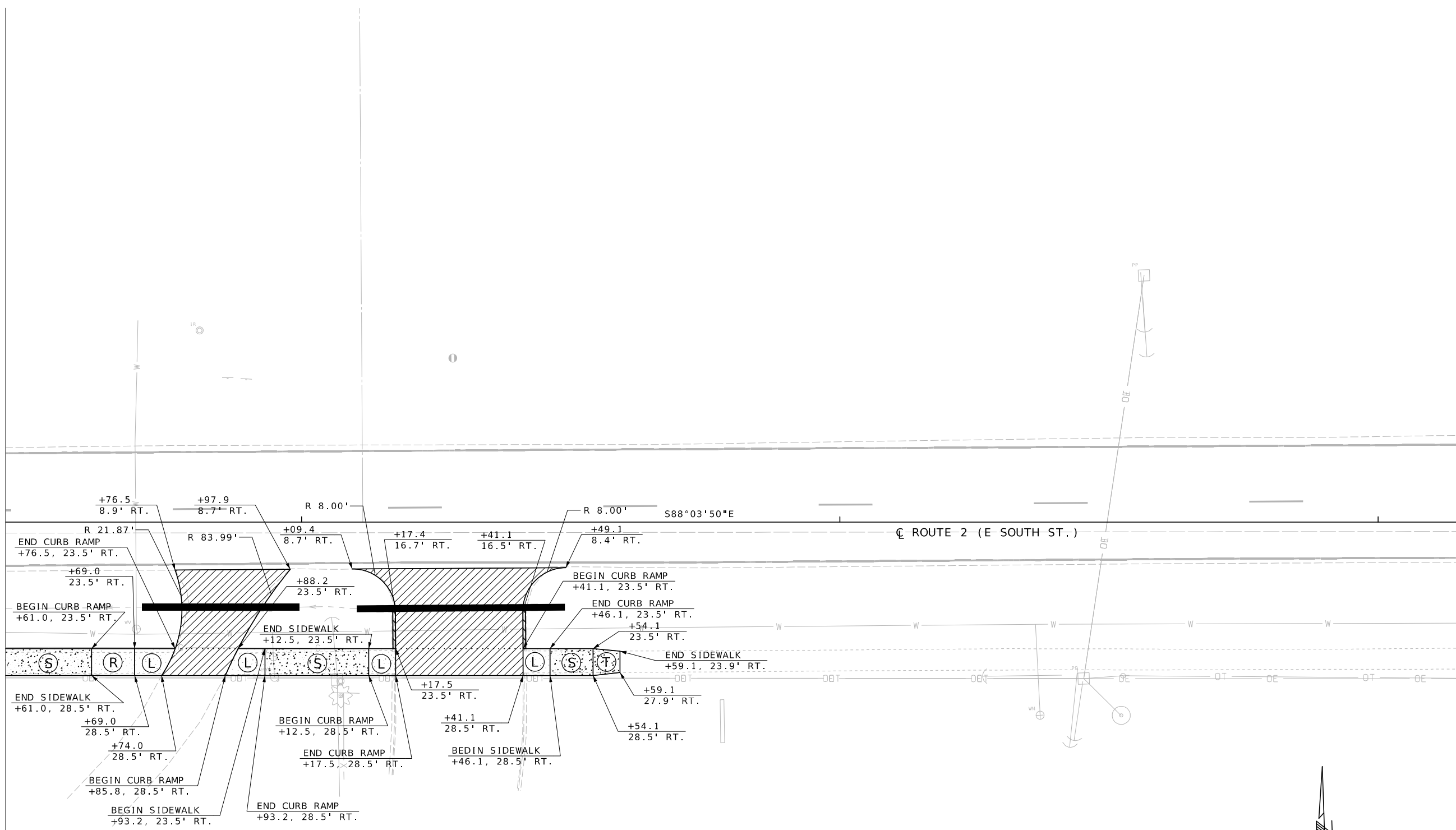
Bartlett & West

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.



MATCHLINE STA. 36+45.00



SIDEWALK

CURB RAMP

APPROACH

TRUNCATED DOMES

CONCRETE MEDIAN

LANDING

RAMP

SIDEWALK

TRANSITION

SCALE

GEOMETRIC SHEETS
HARRISONVILLE - ROUTE 2
SHEET 10 OF 12

MATCHLINE STA. 39+15.00

DATE PREPARED
2/29/2024

ROUTE
VAR

DISTRICT
KC

STATE
MO

SHEET NO.
99

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

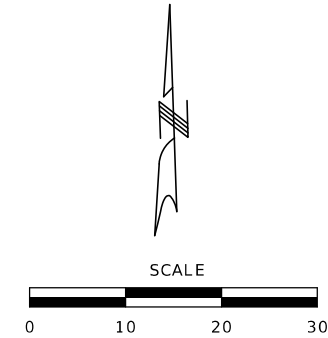
DESCRIPTION	DATE

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 572-634-3161
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/099_GM_J4P3268D_i10.dgn 11:03:00 AM 2/29/2024





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

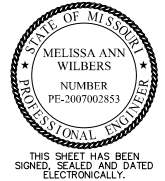


BEGIN/END OF PROJECT SIGNING

SIGN SPACING FOR ADVANCE SIGN SERIES

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET
FIELD CONDITIONS.

SPEED MPH (S)		
	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT



DATE PREPARED
2/29/2024

ROUTE	STATE
VAD	MO

VAR	MO
DISTRICT	SHEET NO.
KC	103

COUNTY
CASS

J4P3268D

CONTRACT ID.

PROJECT NO.

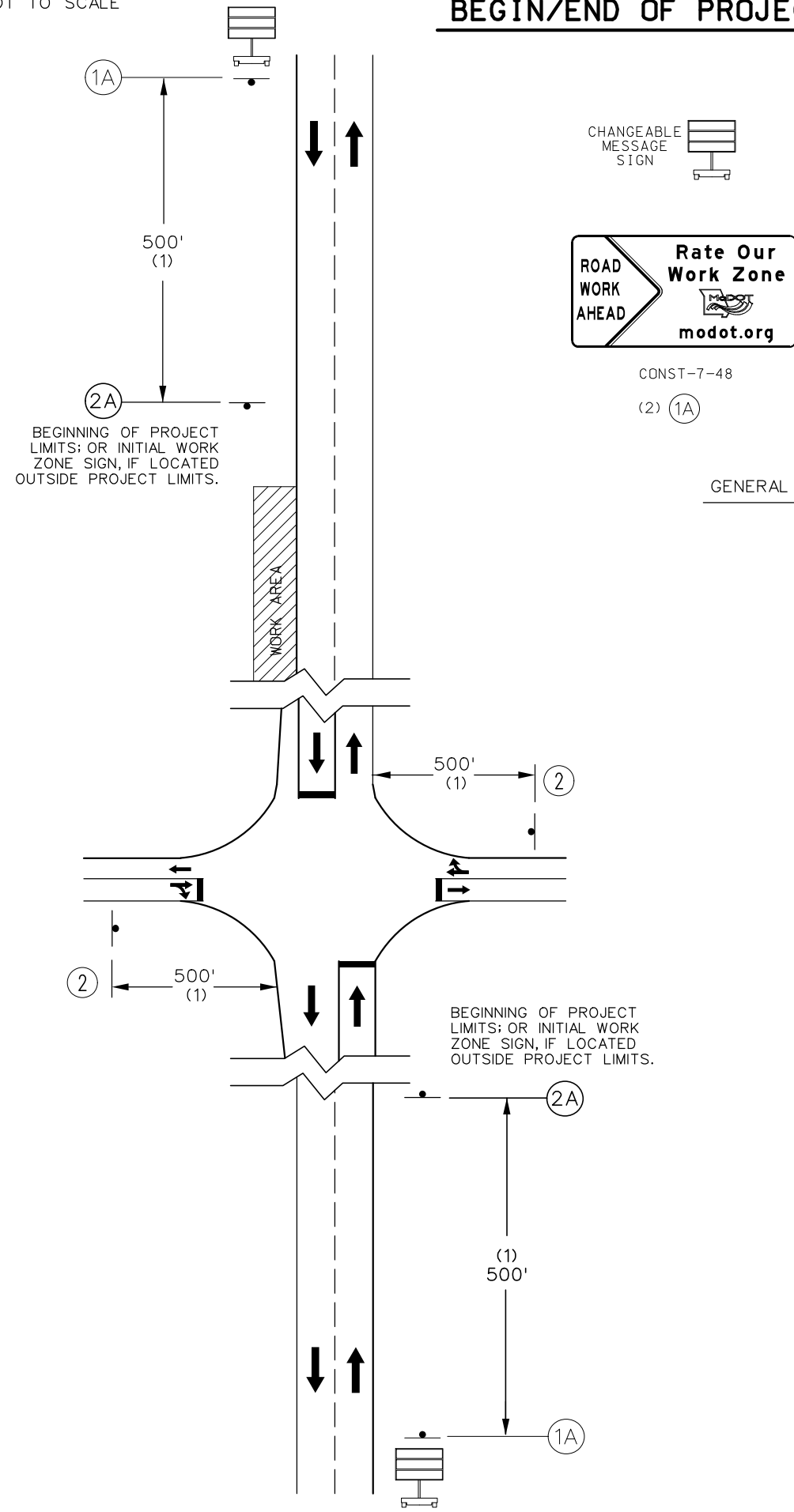
BRIDGE NO.

[illegible]

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 573-634-3181
FAX 573-634-3182
CERTIFICATE OF AUTHORITY NO. 000167 • ENGINEERING



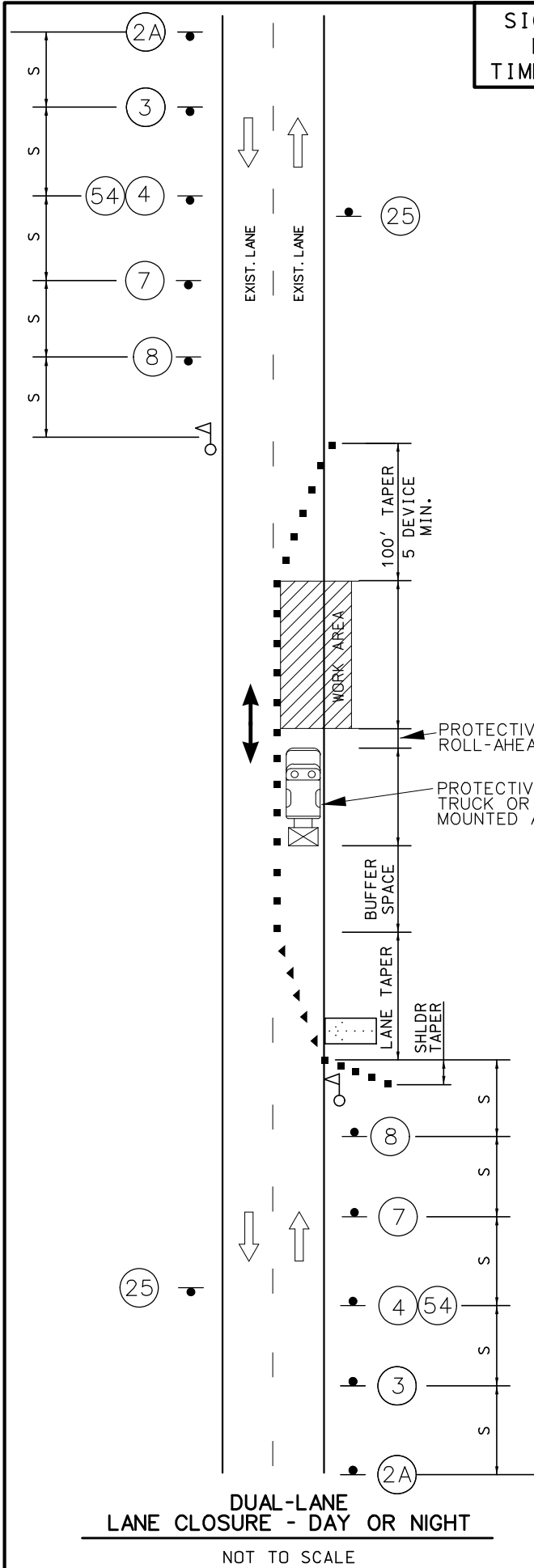
GENERAL NOTES:

1. ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
3. SEE STANDARD DRAWING 616.10 AND 620.10 FOR ADDITIONAL DETAILS, AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
4. 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.
5. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
6. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS OR FLASHING ARROW PANEL.
7. 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.
8. ALL SIGNS, EXCEPT "RATE OUR WORK ZONE" SIGN, 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.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
11. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
12. ALL PEDESTRIAN TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CURB RAMP & SIDEWALK IS OPENED FOR PEDESTRIAN TRAVEL.
13. PEDESTRIAN TRAFFIC CONTROL SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.
14. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.

- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) THE "RATE OUR WORK ZONE" SIGN IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS, THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, THIS SIGN WILL BE OUTSIDE OF THE PROJECT LIMITS.

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 1 OF 8



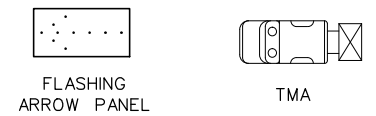
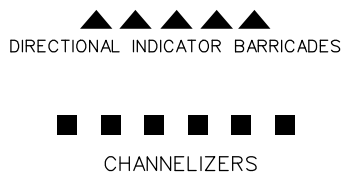
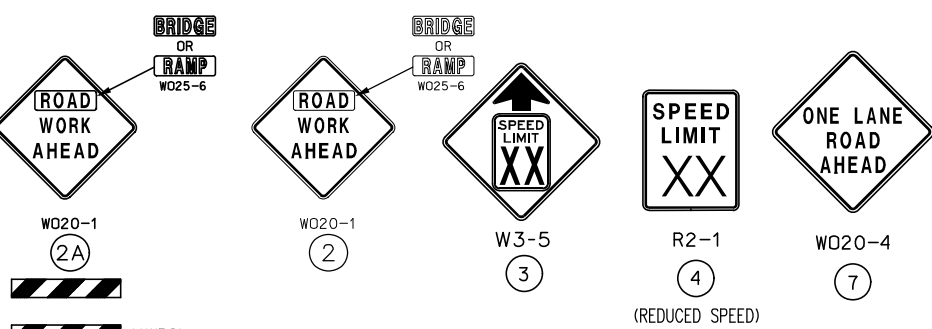
SIGNING REFLECTS
DAY OR NIGHT
TIME WORKING HOURS

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

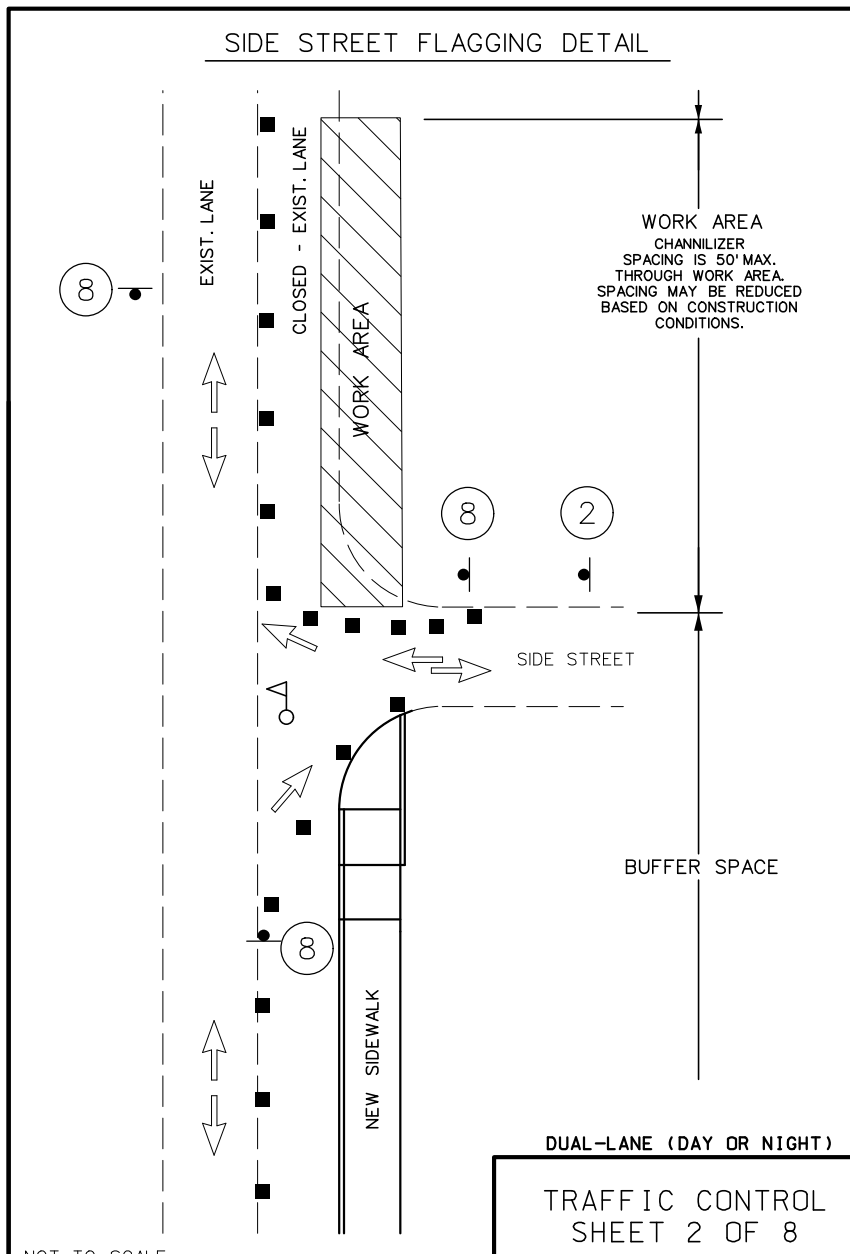
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT.	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'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

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

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.



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
PROFESSIONAL ENGINEER
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.

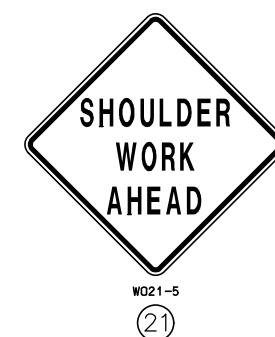
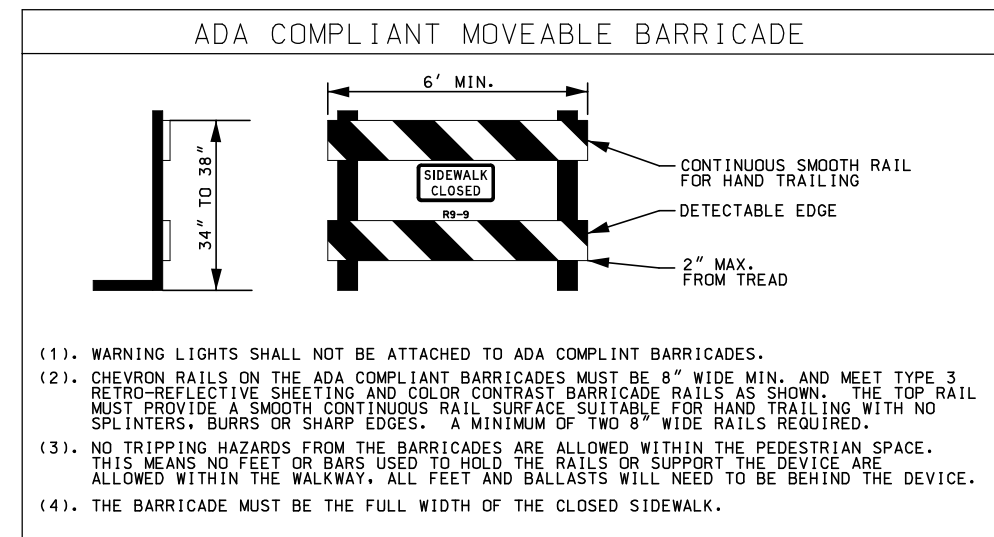
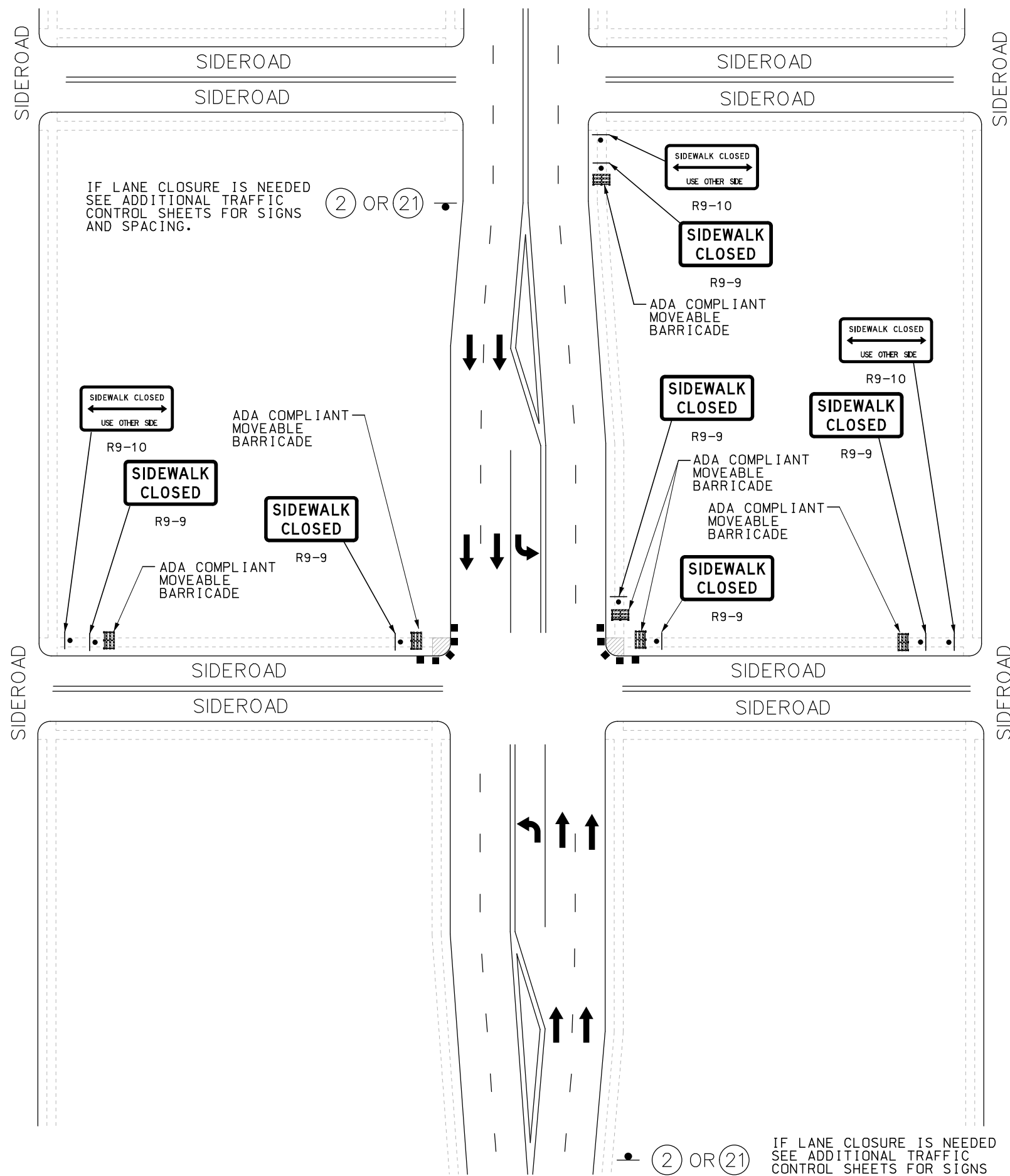
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT
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

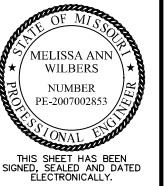


 WORK AREA

 CHANNELIZERS

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 SUFFICIENT ROOM BETWEEN LANES



DATE PREPARED
2/29/2024

ROUTE	STATE
WAR	MO

DISTRICT	SHEET NO.
KC	105

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

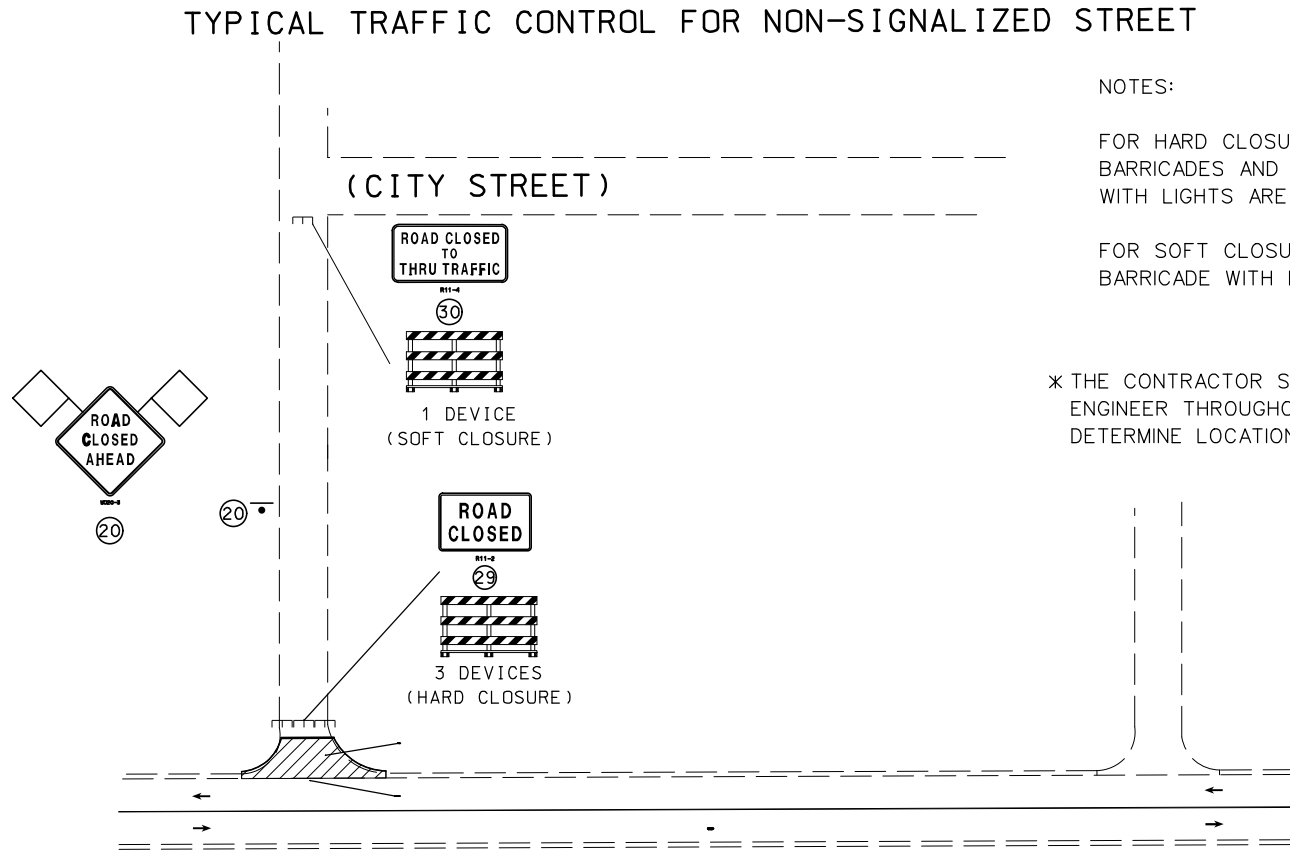
BRIDGE NO.

[illegible]

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 573-554-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

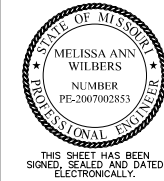


NOTES:

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.

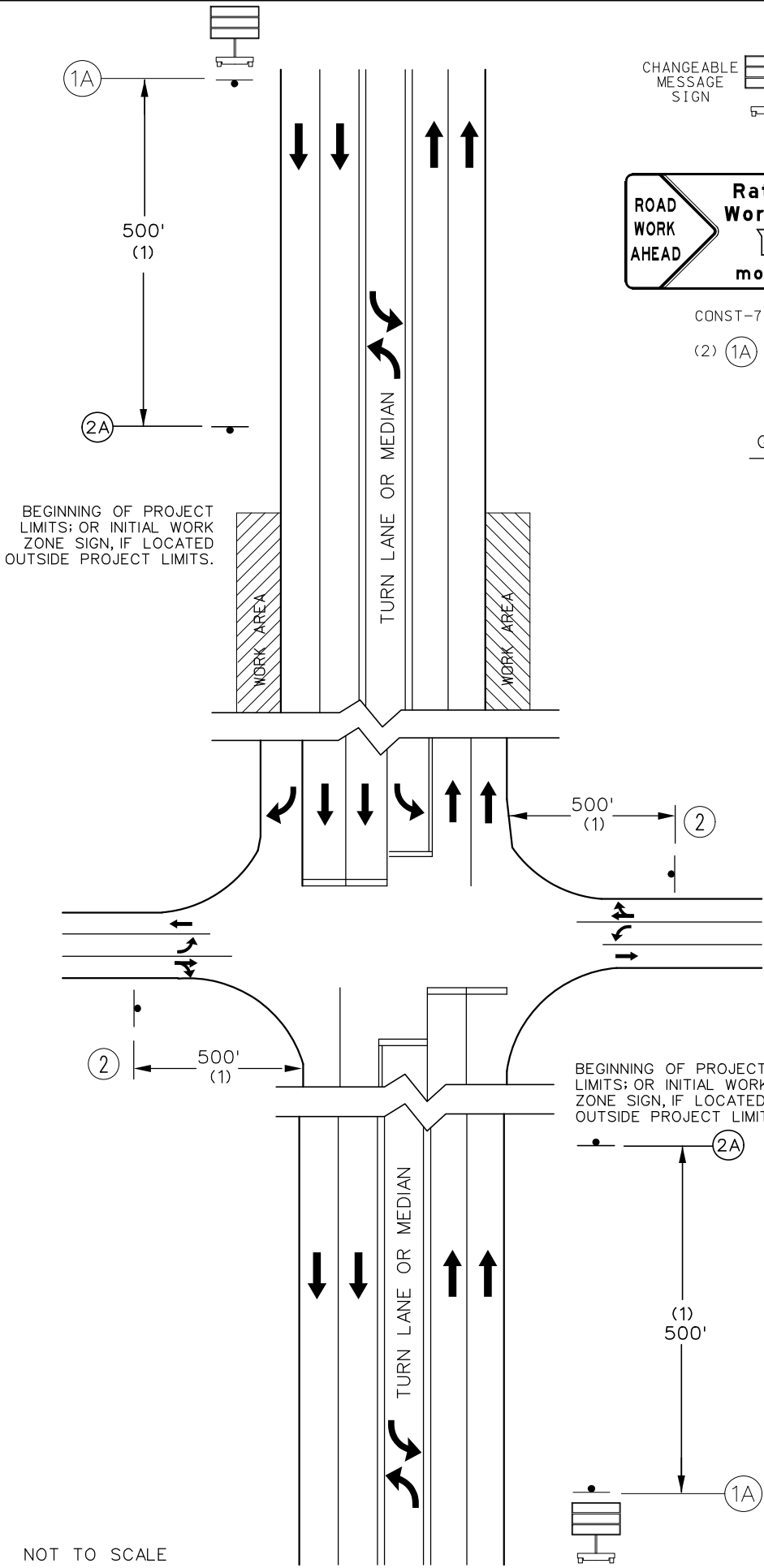
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

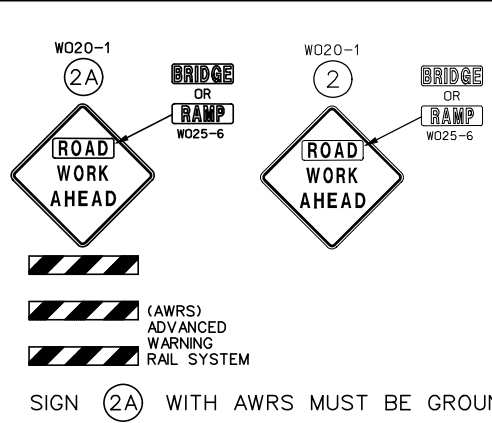
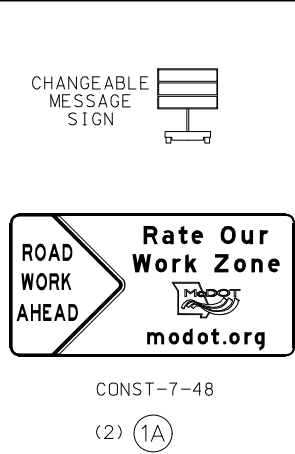
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 573-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



NOT TO SCALE



GENERAL NOTES:

1. ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
 2. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
 3. SEE STANDARD DRAWING 616.10 AND 620.10 FOR ADDITIONAL DETAILS, AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
 4. 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.
 5. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
 6. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS OR FLASHING ARROW PANEL.
 7. 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.
 8. ALL SIGNS, EXCEPT "RATE OUR WORK ZONE" SIGN, 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.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 10. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
 11. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
 12. ALL PEDESTRIAN TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CURB RAMP & SIDEWALK IS OPENED FOR PEDESTRIAN TRAVEL.
 13. PEDESTRIAN TRAFFIC CONTROL SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.
 14. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) THE "RATE OUR WORK ZONE" SIGN IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS, THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, THIS SIGN WILL BE OUTSIDE OF THE PROJECT LIMITS.
- 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.

BEGIN/END OF PROJECT SIGNING
MULTI-LANE

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

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

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.
107

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)

MoDOT

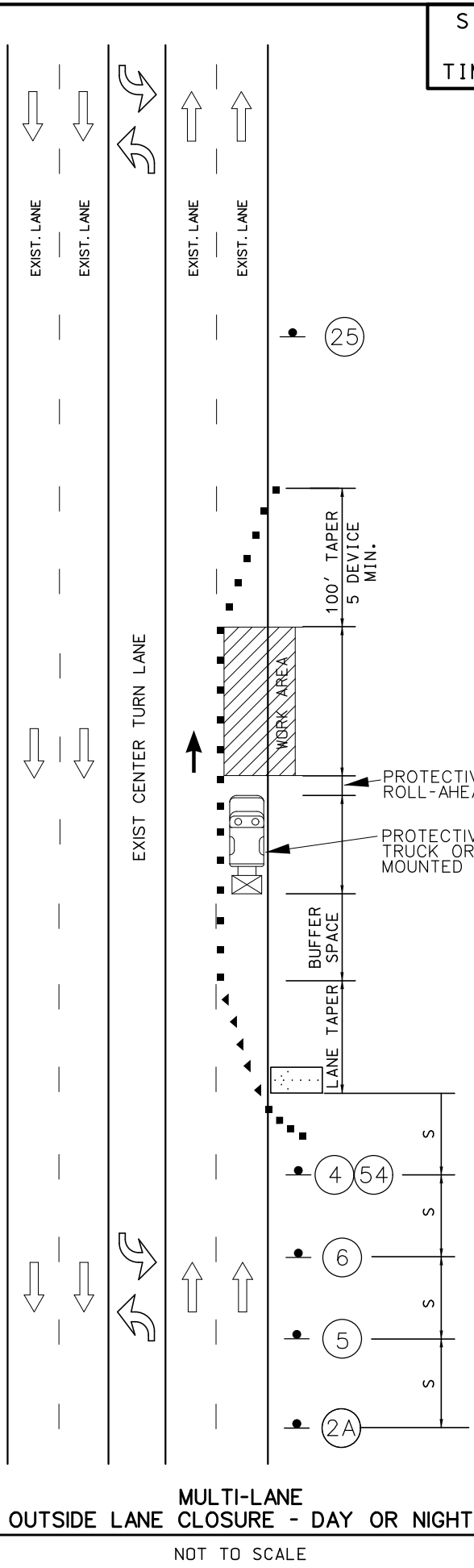
Bartlett & West

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

PHONE 572-634-3161

CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING

WWW.BARTLETTWEST.COM



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'				
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'

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

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.

TRAFFIC CONTROL SHEET 6 OF 8

SIDE STREET FLAGGING DETAIL

EXIST. LANE

CLOSED - EXIST. LANE

WORK AREA

WORK AREA CHANNELIZER SPACING IS 50' MAX. THROUGH WORK AREA. SPACING MAY BE REDUCED BASED ON CONSTRUCTION CONDITIONS.

SIDE STREET

NEW SIDEWALK

LANE CLOSED

BUFFER SPACE

NOT TO SCALE

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. 108

COUNTY CASS

JOB NO. J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

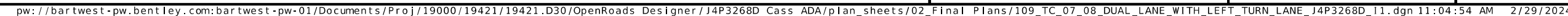
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

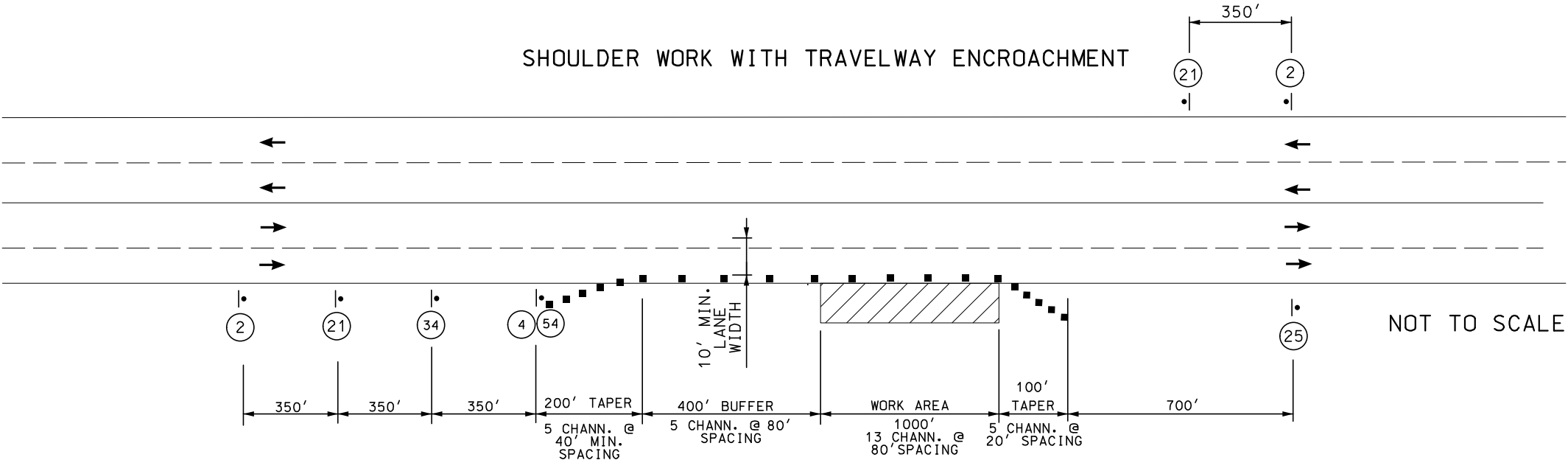
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Bartlett & West

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



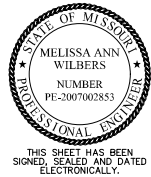
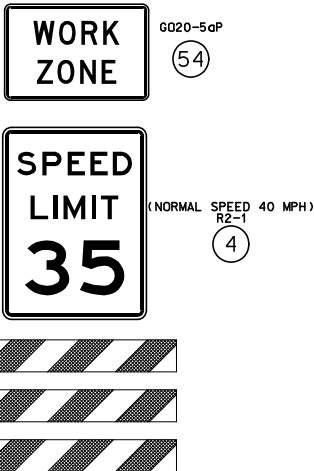
SHOULDER WORK WITH TRAVELWAY ENCROACHMENT



- 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



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

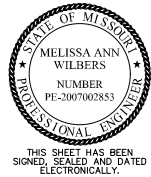
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

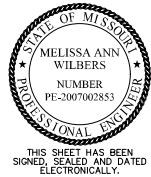
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

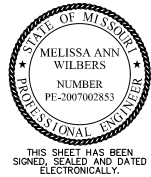
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

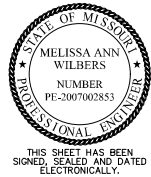
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

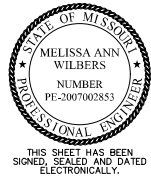
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

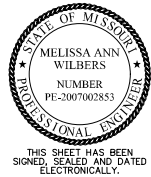
DATE

DATE

DATE

DATE

DATE



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

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

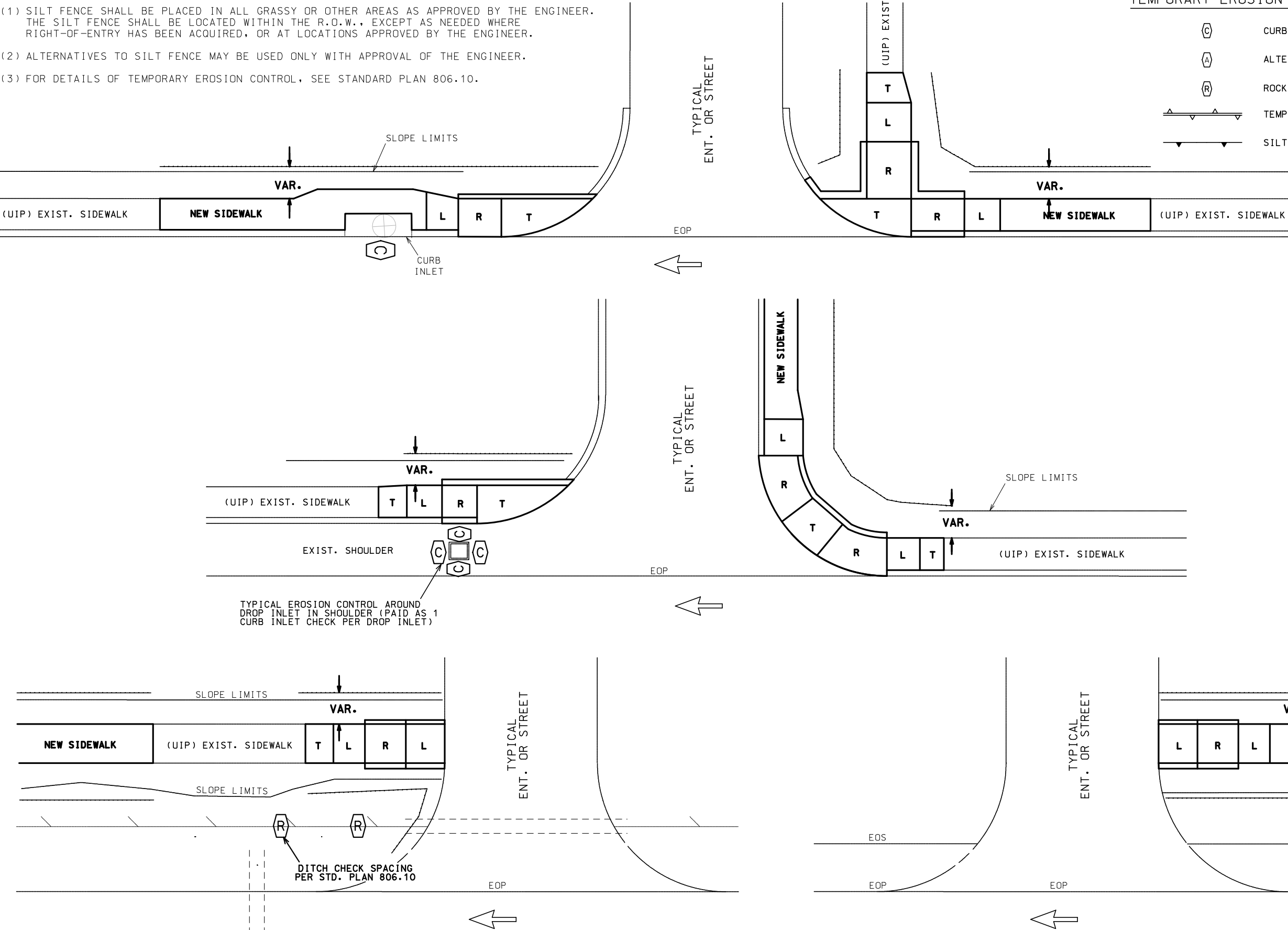
DATE

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

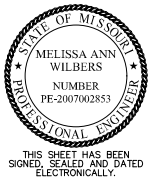
- CURB INLET CHECK
- ALTERNATE CHECK
- ROCK DITCH CHECK
- TEMPORARY BERM
- SILT FENCE



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.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

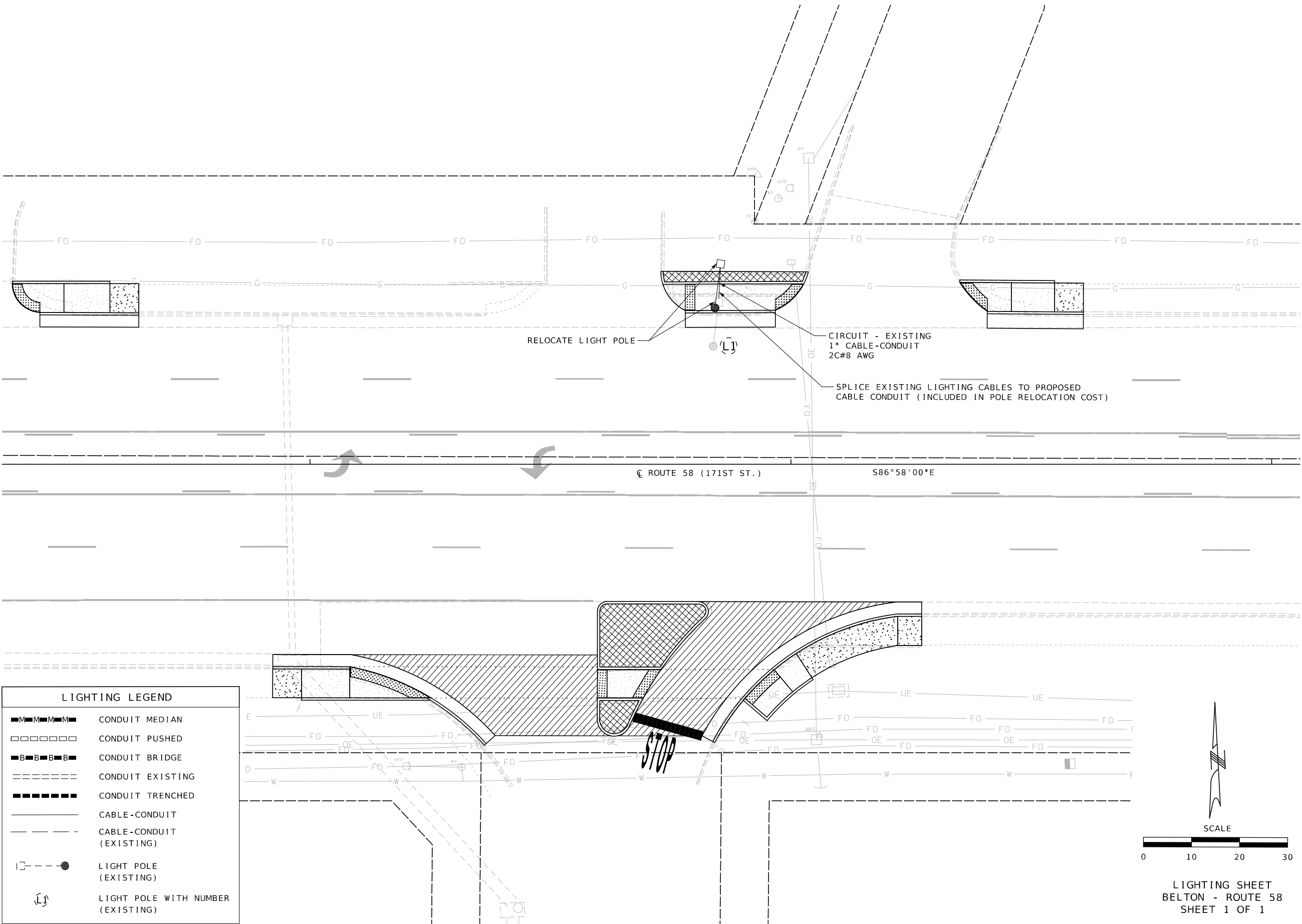
DATE

DATE

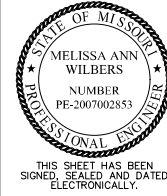
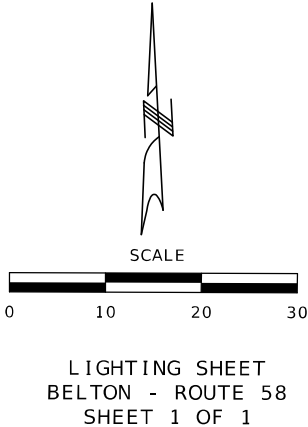
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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



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

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

Bartlett & West

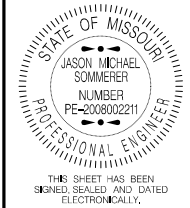
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM

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

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
902.08-11	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	5			2		3
902.08-34	SIGNAL SIGN, MOUNTING HARDWARE	EA	6			2	1	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	

* SEE SUMMARY OF QUANTITY SHEETS FOR ITEMS RELATED TO RECTANGULAR RAPID FLASHING BEACONS (902.99-02)

SUMMARY OF SIGNAL QUANTITIES
SIGNAL SHEET 1 OF 12



DATE PREPARED
7/22/2024

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

DISTRICT	SHEET NO.
KC	113

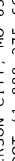
COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-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.BARTLETTWEST.COM

DETECTOR SCHEDULE					
DETECTOR NUMBER	PHASE	TYPE		RELOCATE EXISTING APS	UIP EXISTING APS *
		PUSH BUTTON APS	PUSH BUTTON EXTENSION		
21	2				1
SUBTOTAL					
TOTALS					1

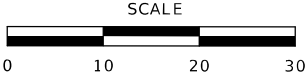
* ITEMS FOR WHICH SEPERATE PAYMENT WILL NOT BE MADE

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

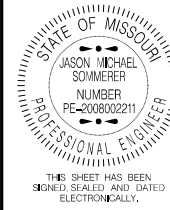
GENERAL NOTE (SIGNAL SHEETS)

1. TRAFFIC FLOW ARROWS SHOWN FOR DIAGRAM PURPOSES ONLY. DO NOT INSTALL PAVEMENT MARKING ARROWS UNLESS SPECIFIED IN THE PLANS.

2. SEE ROADWAY PLANS FOR DETAILS OF EXISTING EASEMENTS.



SIGNAL SHEET 2 OF 12
(ROUTE 58 AT US HWY 71 SHEET 1 OF 1)



DATE PREPARED
2/29/2024

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	114

COUNTY
CASS

JOB NO.
J4P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

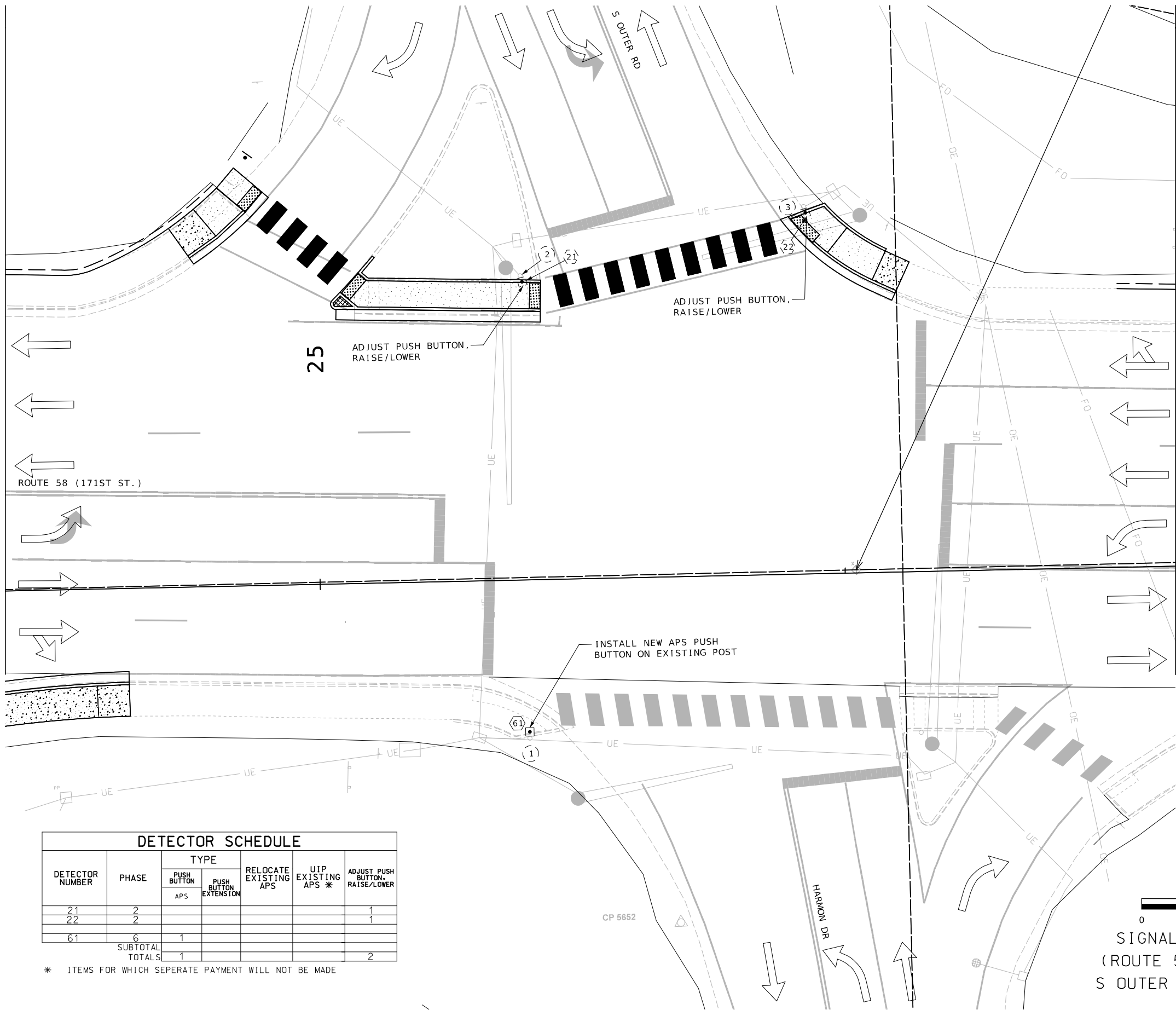
DESCRIPTION	DATE

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



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

* 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.

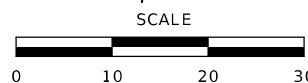
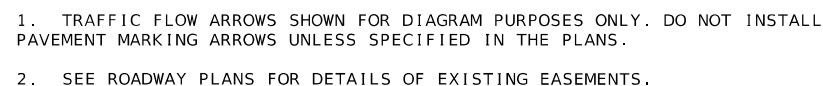
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Bartlett & West

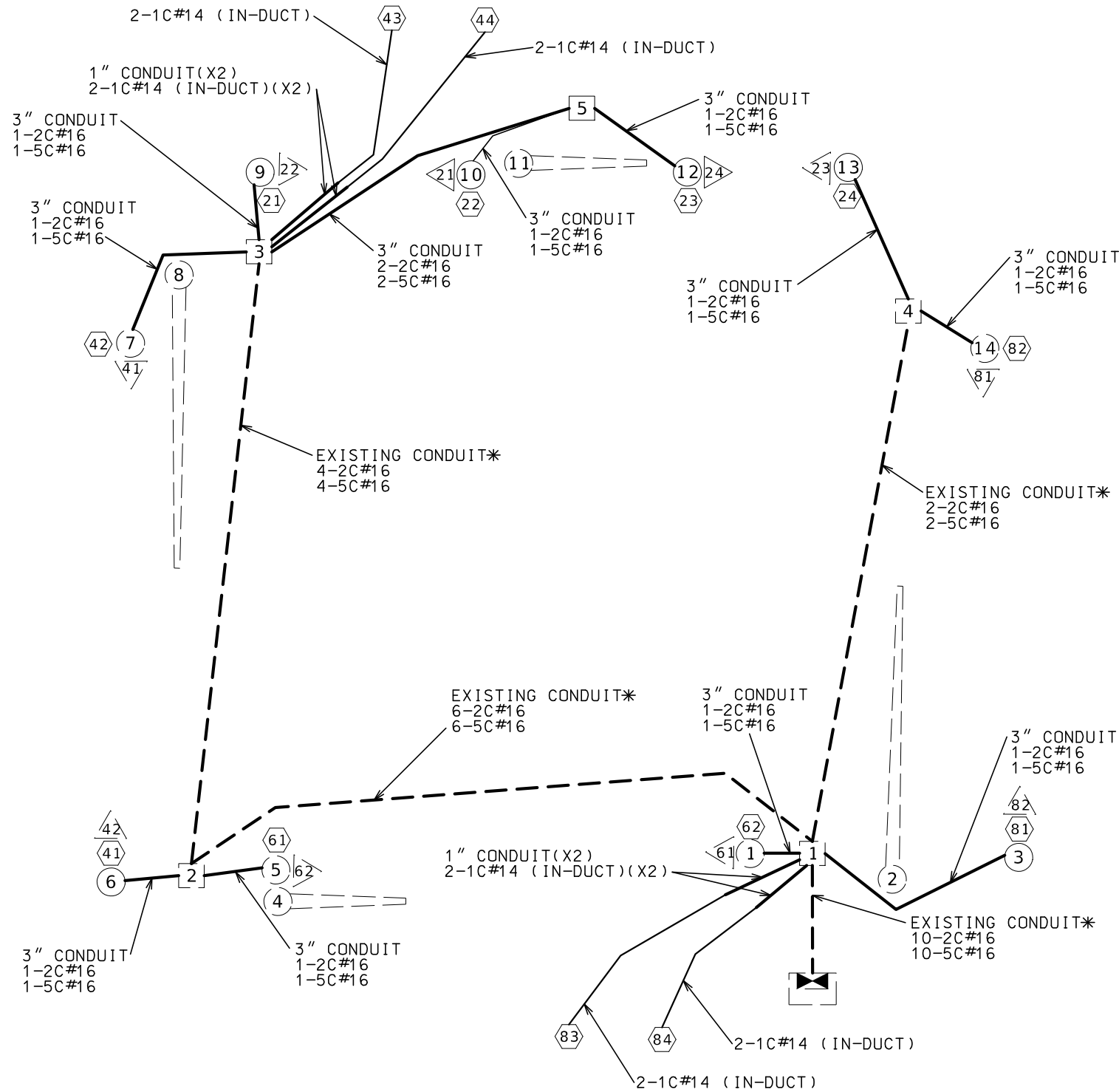
601 MONROE ST. SUITE 201 - JEFFERSON CITY, MO 65101-3180
PHONE 572-634-3161
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
WWW.BARTLETTWEST.COM



SIGNAL SHEET 4 OF 12
(ROUTE 58 AT BEL-RAY SHEET 1 OF 3)



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
- 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)
- SIGNAL CONTROLLER (EXISTING)

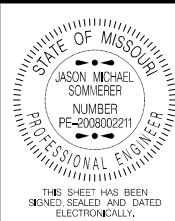
*CABLES SHOWN ARE PROPOSED. EXISTING
CONDUIT CONTAINS ADDITIONAL CABLES.

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 STATE MO
DISTRICT KC SHEET NO. 118

COUNTY CASS
JOB NO. J4P3268D
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

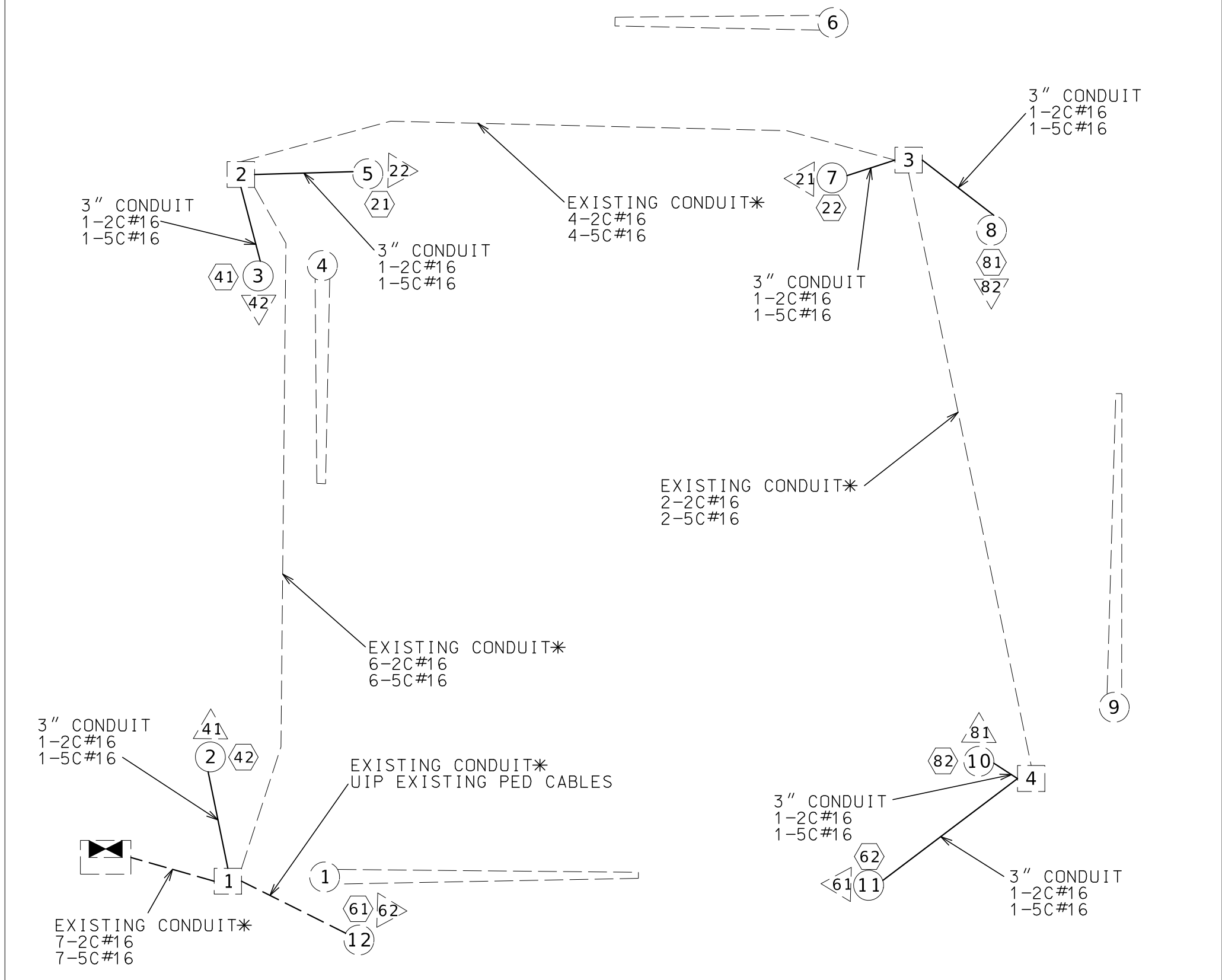
MoDOT

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

WIRING DIAGRAM



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

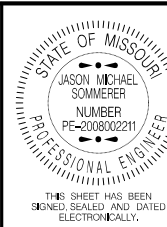
LEGEND

- 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)
- 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)

ROUTE 58 AT DEAN AVE
INTERSECTION

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

D-37D



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

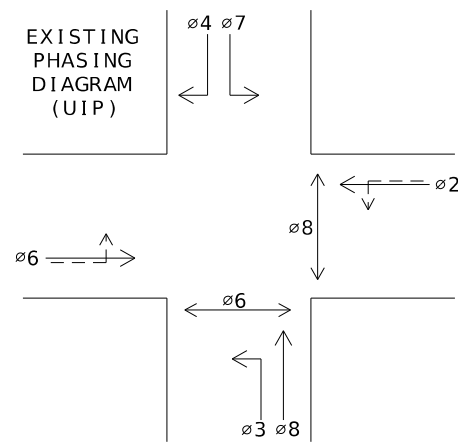
PROJECT NO.
BRIDGE NO.

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 314-464-3161
FAX 314-464-3162
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.

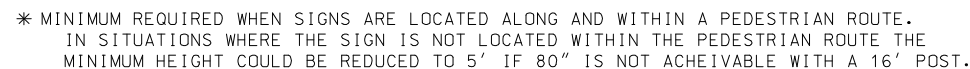


ITS		ITS PULL BOX TYPE 2
ITS		ITS PULL BOX TYPE 5
		CONDUIT MEDIAN
		CONDUIT PUSHED
		CONDUIT BRIDGE
		CONDUIT EXISTING
		CONDUIT TRENCHED
		SPAN WIRE
		MAST ARM - TYPE A BASE
		MAST ARM - TYPE C BASE
		MAST ARM - TYPE F BASE

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

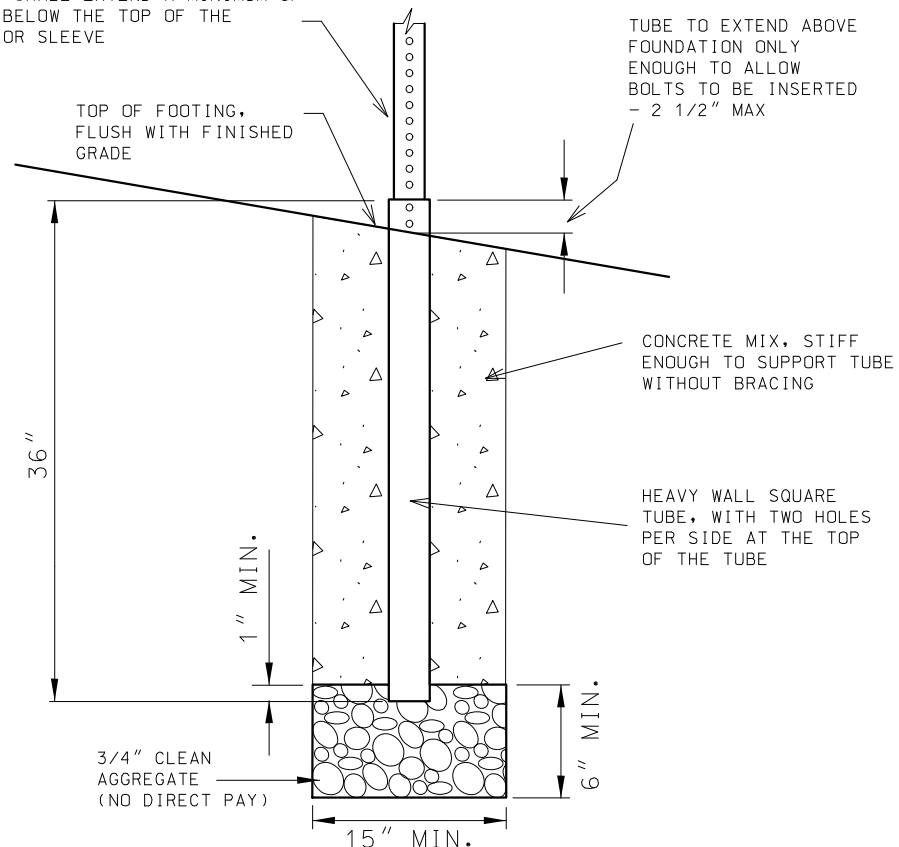


POSTS LENGTHS TO BE SIZED TO LOCATION.
PLACE SIGNS AT MINIMUMS AND REMOVE
REMAINDER OF POST LENGTH.
ONLY USE ENTIRE 16' POST LENGTH WHEN
REQUIRED TO MEET MINIMUMS.



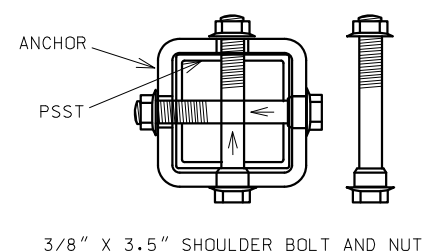
NOTE: PERFORATED SQUARE STEEL TUBE (PSST) POSTS ARE PAID AS 16 LINEAR FOOT, CONTRACTOR IS RESPONSIBLE TO PROPERLY PLACE SIGN AS SHOWN ABOVE IN "MOUNTING HEIGHT DETAIL"

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

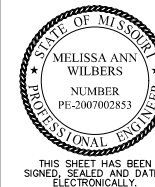


PSST CONCRETE FOOTINGS EMBEDDED PAID AS 3' LENGTH, 15" DIAMETER = 0.14 CUBIC YARDS
REQUIRED AGGREGATE CONSIDERED INCIDENTAL AND INCLUDED IN CONCRETE FOOTING

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

RS	TE
COUNTY	
CASS	

JOB NO.
14P3268D

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

Bartlett & West

801 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

ITEM NO. 9031250A

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

STATE

MO

DISTRICT

KC

SHEET NO.

126

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

WWW.BARTLETTWEST.COM

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT	STUB LENGTH	FOOTING		CONCRETE	
(IN.)	LBS/FT		LBS/IN	DIA.		DEPTH
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

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

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

