DESIGN DESIGNATION

SEE FOLLOWING TITLE LOCATION SHEETS

PARTIAL CONTROLLED ACCESS HIGHWAY

THIS SHALL BE A PARTIAL CONTROLLED ACCESS HIGHWAY, EXCEPT AT LOCATIONS AND AS OTHERWISE SPECIFICALLYSHOWN ON THESE PLANS. NO ABUTTER'S RIGHTS IN OR OF DIRECT ACCESS TO, FROM, OR ACROSS THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PROPERTY WHERE THE SYMBOL SHOWN BELOW IS SHOWN ON THE RIGHT OF WAY LINE.

TEMPORARY CONSTRUCTION EASEMENT REQUIRED

NO NEW R/W REQUIRED

LOCATION 1 - 12/S. ARLINGTON ST.-S. FRANKLIN DR.
LOCATION 2 - 24/RTE 291- N. SALEM DR.

CONVENTIONAL SYMBOLS

(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

JACKSON COUNTY

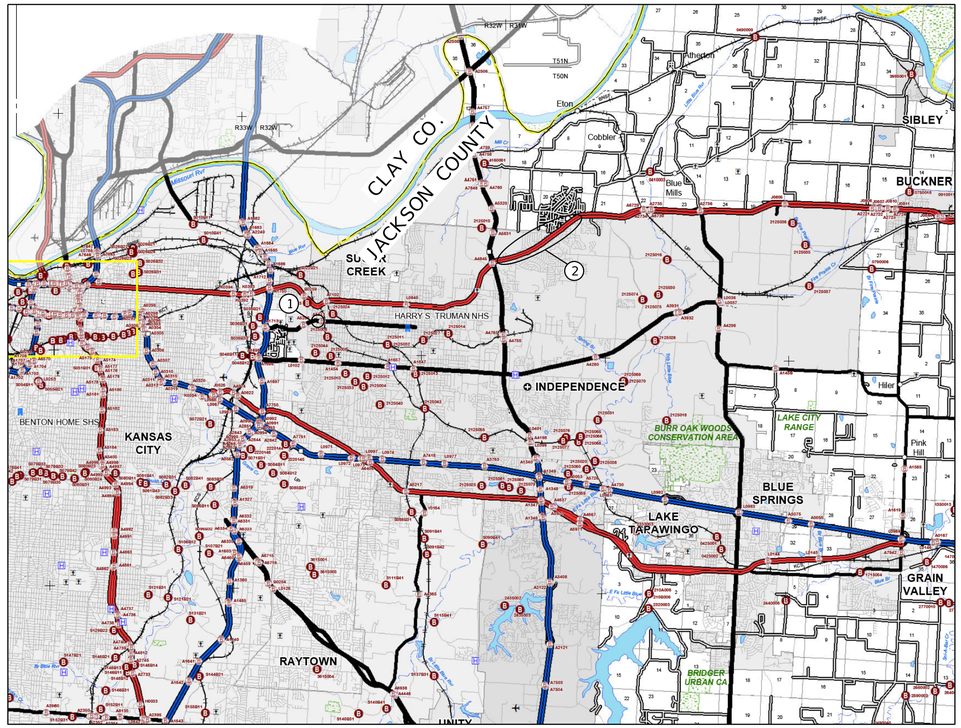


KEY MAP
LOCATION OF JACKSON COUNTY

ADA IMPROVEMENTS
SIDEWALKS, CURB RAMPS, PAVED APPROACHES
AND AUDIBLE PEDESTRIAN SIGNALS AT VARIOUS APPROACHES



NOT TO SCALE



LOCATION

1 - JACKSON CO, INDEPENDENCE, RTE 12, S. ARLINGTON ST.TO S. FRANKLIN DR
2 - JACKSON CO, INDEPENDENCE, US 24, RTE 291 TO N. SALEM DR

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

TITLE SHEET
1 OF 2

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET (2 SHEETS)	1
TYPICAL SECTIONS (TS) (7 SHEETS)	2
QUANTITY (QU) (5 SHEETS)	3
PLAN (PL) (JACKSON COUNTY)	4-18
SIGNAL (SG)(JACKSON COUNTY)	19-20
TRAFFIC CONTROL (TC)	21-23

LENGTH OF PROJECT

BEGINNING OF PROJECT

LOCATION 1 LENGTH	625	FEET
LOCATION 2 LENGTH	1,450	FEET

END OF PROJECT

NET LENGTH OF PROJECT	2,075	FEET
STATE LENGTH	0.39	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.25	ACRES

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

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

DATE PREPARED: 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	1

COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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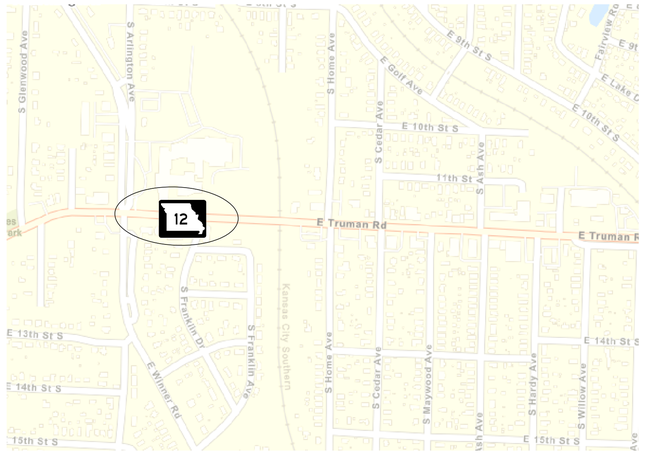
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

LOCATION MAP

JACKSON COUNTY
A.A.D.T. - 2023 = 4348
FUNCTIONAL CLASSIFICATION - URBAN AREA

INDEPENDENCE, RTE 12
(S ARLINGTON AVE TO S FRANKLIN DR)
LOCATION 1



CURB RAMPS, SIDEWALK,
ENTRANCES, SIGNALS,PAVEMENT MARKINGS

NOT TO SCALE

JACKSON COUNTY
A.A.D.T. - 2023 = 10428
FUNCTIONAL CLASSIFICATION - URBAN AREA

INDEPENDENCE, US-24
(ROUTE 291 TO N SALEM DR)
LOCATION 2



CURB RAMPS, SIDEWALK,
ENTRANCES, SIGNALS, PAVEMENT MARKINGS

NOT TO SCALE

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

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	1

COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DATE	DESCRIPTION
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TITLE SHEET
2 OF 2

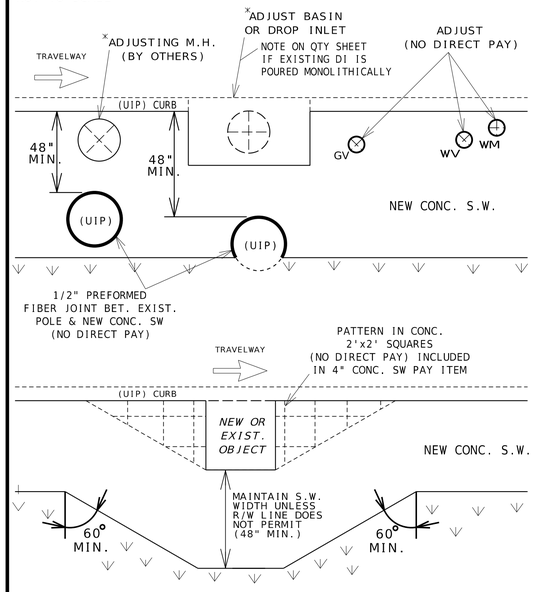
1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR DETAILS, SEE STANDARD PLAN 608 AND 609.
2. TINTED CONCRETE SHALL NOT BE USED UNLESS NOTED IN THESE PLANS. TRUNCATED DOMES SHALL BE OF A 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. 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. ALL CONCRETE CURB & GUTTER SHALL BE ON 4" TYPE 5 AGGREGATE BASE.
4. 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.
5. CONCRETE SIDEWALK - MATCH EXISTING ELEVATION AND CROSS SLOPE DIRECTION TO MAINTAIN EXISTING DRAINAGE PATTERNS. UNLESS NOTED OTHERWISE IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
   WIDTH = 5' MIN. UNLESS NOTED OTHERWISE IN THE PLANS.
   CROSS SLOPE = 1% PREFFERED (2% MAX.).

   CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
   RUNNING SLOPE = 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% PREFFERED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
6. 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.
7. ALL EXISTING DECORATIVE LIGHT POLES ALONG ROUTE 12 SHALL NOT BE DISTURBED AND USED IN PLACE.
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% PREFFERED (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 MAX.

NOT TO SCALE

*EXIST. DI TOP OR MANHOLE MUST BE 2% MAX

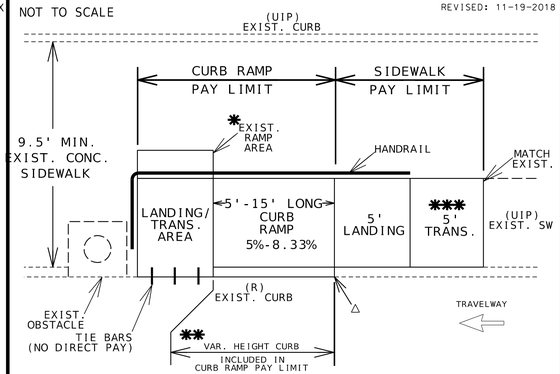


UTILITIES OR VARIOUS OBSTACLES

NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AREAS AND SIDEWALK WITH A MINIMUM OF 4' CLEARANCE AROUND THE POLE

NOT TO SCALE

REVISED: 11-19-2018



△ MATCH EXIST CURB

✱ FILL IN WHERE EXIST. RAMP WAS. SIZE WILL VARY. (SEE TYPICAL SHEET)

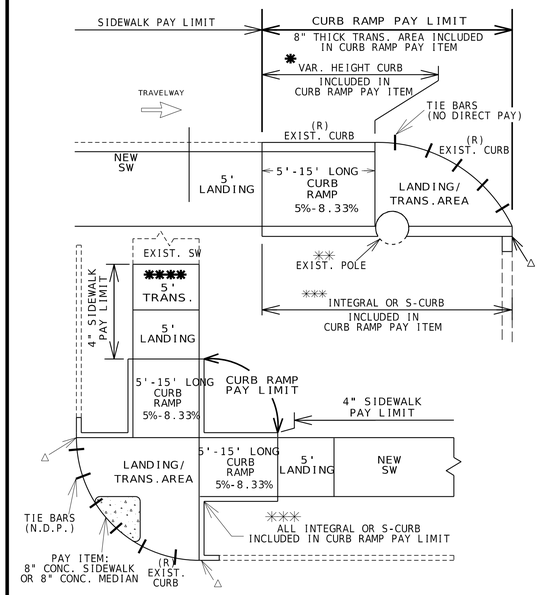
✱✱ VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

✱✱✱ TO BLEND CROSS SLOPE DISCREPENCY

HANDRAIL 2' OFF E.O.P (SEE HANDRAIL STANDARDS)

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS



△ MATCH EXIST CURB HEIGHT, OPTIONAL 1' TIE-IN TO EXIST CURB

✱ VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONST. MONOLITHIC OR SEP. DEPENDING ON CONST. OPERATIONS.

✱✱ NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AND TRANSITION AREAS.

✱✱✱ TYPE OF CURB WILL DEPEND ON FIELD CONDITIONS.

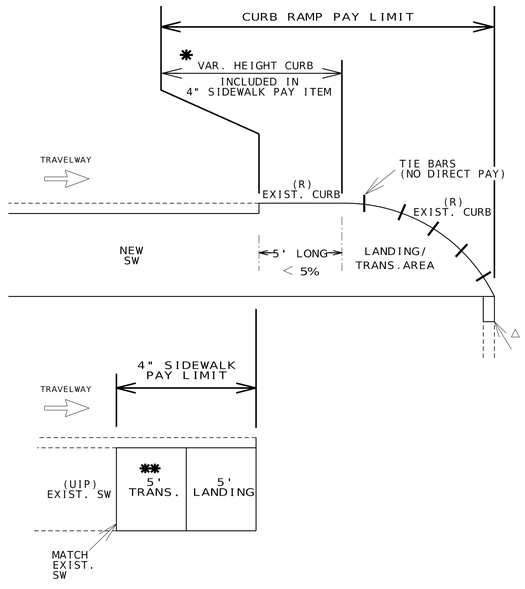
✱✱✱✱ TO BLEND CROSS SLOPE DISCREPENCY

CURB RAMP

PAY LIMITS

WHEN RAMP AREA IS LONGER THEN 5'AND BET. 5%-8.33% GRADE, IT IS CONSIDERED A CURB RAMP

NOT TO SCALE



△ MATCH EXIST CURB HEIGHT (1'TAPER FROM SIDEWALK UP TO EXIST CURB HEIGHT)

✱ VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS. DOWEL TO EXIST. GUTTER/PAVEMENT (NO DIRECT PAY).

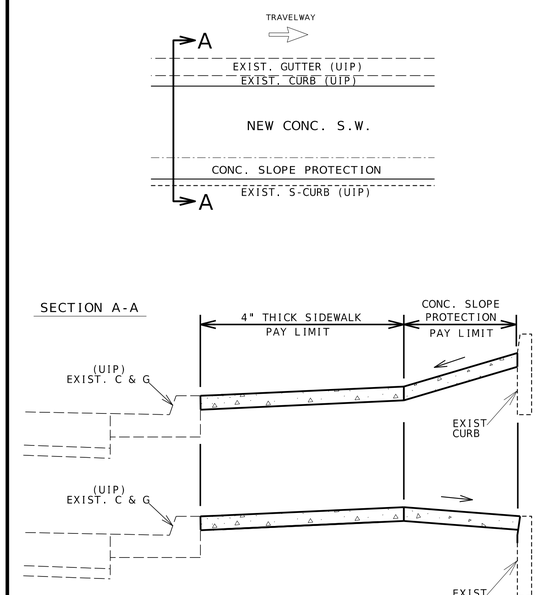
✱✱ TO BLEND CROSS SLOPE DISCREPENCY

SIDEWALK

PAY LIMITS

WHEN RAMP AREA IS 5'LONG AND LESS THEN 5% GRADE, IT IS CONSIDERED SIDEWALK

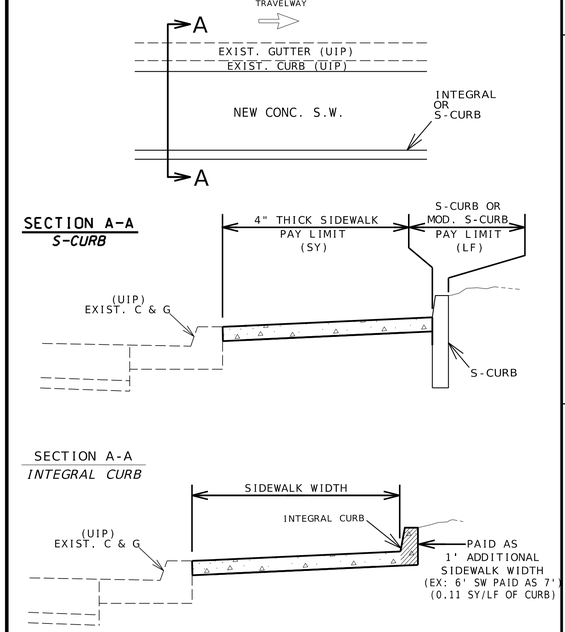
NOT TO SCALE



SIDEWALK WITH CONCRETE SLOPE PROTECTION

PAY LIMITS

NOT TO SCALE



SIDEWALK WITH CURB

PAY LIMITS

NOT TO SCALE

PAY ITEM LIMITS, UTILITIES & GENERAL NOTES

TYPICAL SHEET SHEET 1 OF 7

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	2

COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
.	.

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

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

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

REVISED: 07-16-2019

PERPENDICULAR - TYPE 1

TYPE 1-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP SY	-	8.2	9.6	-	10.8	12.7	-	13.5	15.8	
CONC. SIDEWALK SY	-	5.6	6.4	-	5.6	6.4	-	4.9	6.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	22.0	22.0	-	27.5	27.5	-	30.0	30.5	
SODDING SY	-	5.8	5.7	-	6.8	6.9	-	7.5	7.9	

TYPE 1-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0	
CURB RAMP SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3	
CONC. SIDEWALK SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	28.0	28.0	-	34.5	34.5	-	38.0	38.0	
SODDING SY	-	7.4	7.8	-	8.4	8.7	-	9.1	9.5	

TYPE 1-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP SY	-	8.8	10.3	-	11.5	13.4	-	14.1	16.5	
CONC. SIDEWALK SY	-	5.6	6.4	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	22.0	22.0	-	26.5	26.5	-	30.0	30.0	
SODDING SY	-	11.5	11.7	-	13.5	13.5	-	15.0	15.2	

TYPE 1-D

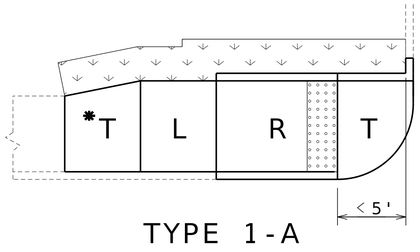
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	42.0	50.0	-	57.0	61.0	-	67.0	72.0	
SODDING SY	-	11.0	11.3	-	13.0	13.3	-	14.5	14.9	

TYPE 1-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3	

TYPE 1-F

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0	
CURB RAMP SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	-	18.4	18.8	-	22.4	22.8	-	25.6	25.9	



TYPE 1-A

T - IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS. PAID FOR AS CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE) TRANSITION SHOULD BE DONE OVER 5'

L - LANDING

R - RAMP

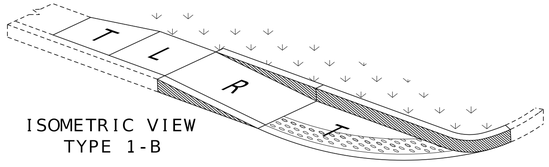
- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

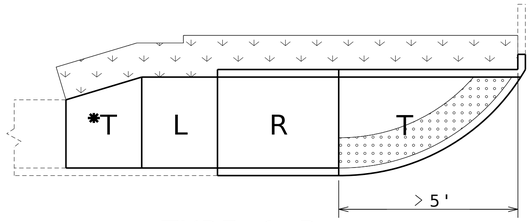
- TRUNCATED DOME LOCATION IF DIST. IS < 5' OR >5'

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

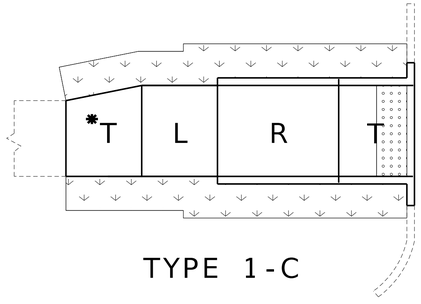
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS. TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.



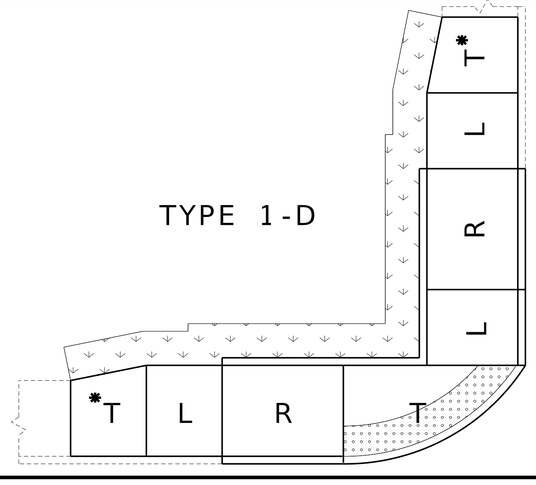
ISOMETRIC VIEW
TYPE 1-B



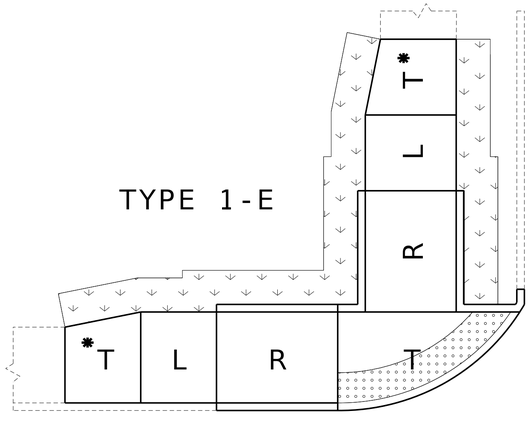
TYPE 1-B



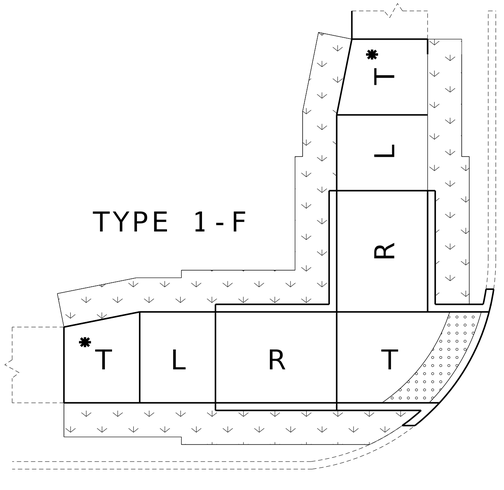
TYPE 1-C



TYPE 1-D



TYPE 1-E



TYPE 1-F

NOT TO SCALE

TYPE 1

PERPENDICULAR CURB RAMPS

TYPICAL SHEET 2 OF 7

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

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JACKSON

JOB NO.
J4P3268G

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

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

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Ter., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

PARRALLEL - TYPE 2

TYPE 2-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	9.1	10.6	-	11.8	13.7	-	14.4	16.8	
CONC. SIDEWALK SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING SY	-	8.0	8.3	-	8.6	8.8	-	9.6	9.8	

TYPE 2-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5	
CONC. SIDEWALK SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING SY	-	13.8	14.1	-	15.1	15.5	-	17.1	17.5	

TYPE 2-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	16.4	18.7	-	21.7	24.9	-	27.0	31.2	
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING SY	-	12.3	12.5	-	13.6	13.9	-	15.6	15.9	

TYPE 2-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	16.8	19.2	-	22.2	25.4	-	27.5	31.6	
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING SY	-	20.2	20.3	-	22.4	23.2	-	26.4	27.2	

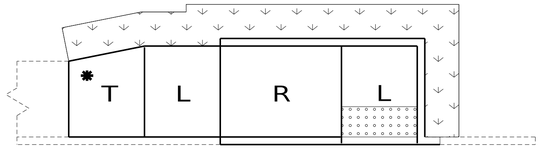
TYPE 2-E

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3	
CONC. SIDEWALK SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5	
SODDING SY	-	-	-	-	-	-	-	-	-	
HANDRAIL LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

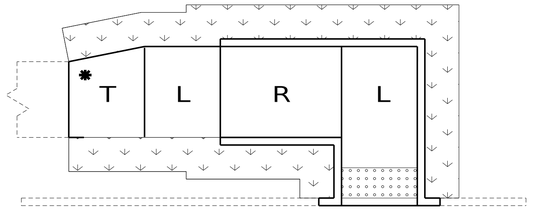
TYPE 2-F

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9	
CONC. SIDEWALK SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0	
SODDING SY	-	-	-	-	-	-	-	-	-	
HANDRAIL LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

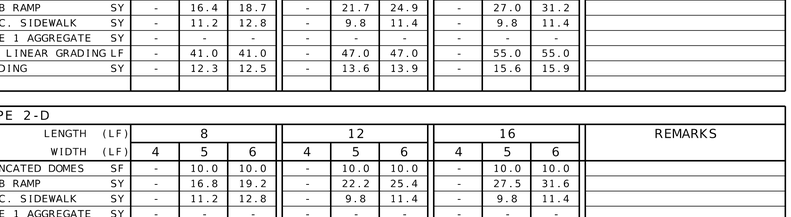
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS. TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.



TYPE 2-A



TYPE 2-B



TYPE 2-D

** 3.5' LANDING EXTENSION REQ'D. FOR INSTALLATION OF FUTURE OR NEW PED.PUSH BUTTON

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

- TRUNCATED DOME

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

T - TRANSITION TO EXISTING SW

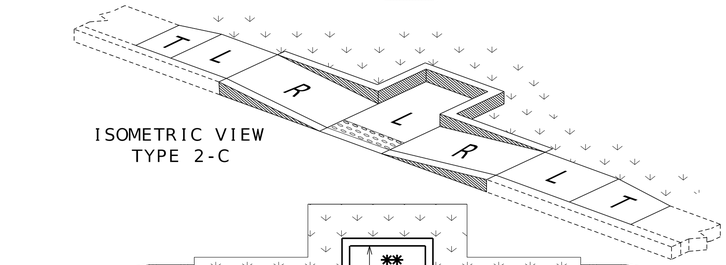
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE) TRANSITION SHOULD BE DONE OVER 5'

L - LANDING

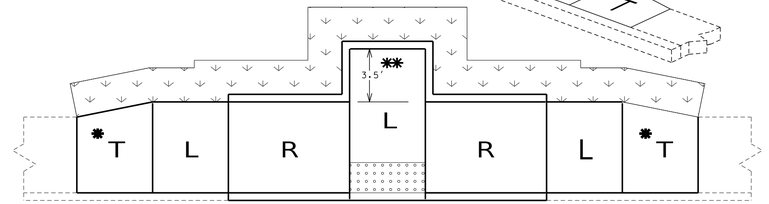
R - RAMP

- SOD SLOPE 6:1 MIN.

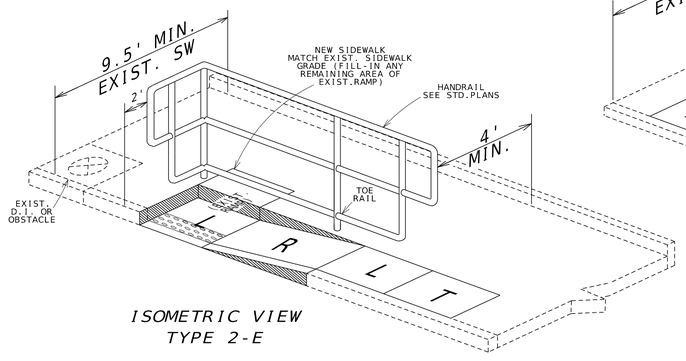
- CURB RAMP PAY LIMITS



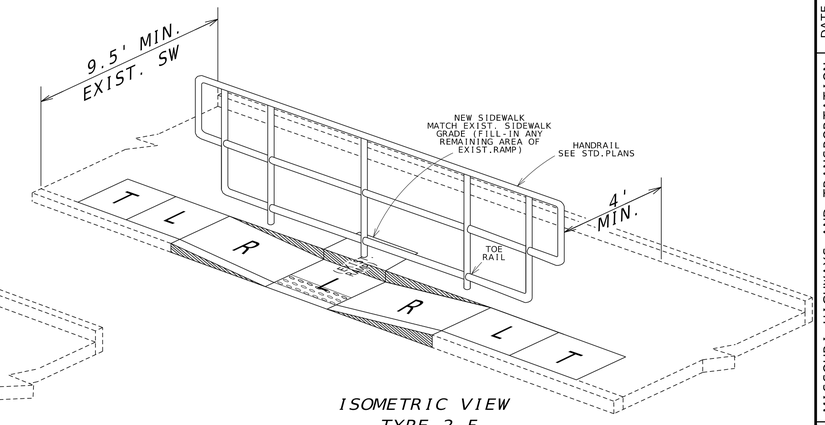
ISOMETRIC VIEW
TYPE 2-C



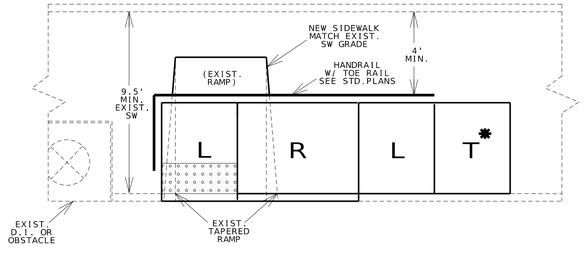
TYPE 2-C



ISOMETRIC VIEW
TYPE 2-E



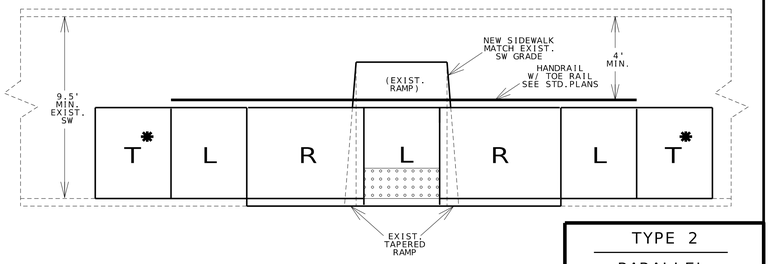
ISOMETRIC VIEW
TYPE 2-F



TYPE 2-E

USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE

SEE STANDARDS FOR HANDRAIL SPECS



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

NOT TO SCALE

REVISED: 02-22-2017

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

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

DATE PREPARED
12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	2

COUNTY
JACKSON

JOB NO.
J4P3268G

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)

WILSON &COMPANY
ENGINEERS & ARCHITECTS
800 E.101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

TYPE 2
PARALLEL CURB RAMPS

TYPICAL SHEET 3 OF 7

PARRALLEL - TYPE 2 (cont'd.)

TYPE 2-G

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2	
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0	
SODDING SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9	

TYPE 2-H

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4	
CONC. SIDEWALK SY	-	13.2	16.0	-	12.0	14.2	-	12.0	14.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	42.0	42.0	-	49.0	49.0	-	55.0	55.0	
SODDING SY	-	11.1	11.2	-	12.5	12.5	-	14.5	14.9	

REVISED: 02-22-2017

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE) TRANSITION SHOULD BE DONE OVER 5'

T - TRANSITION TO EXISTING SW

L - LANDING

R - RAMP

- SOD SLOPE 6:1 MIN.

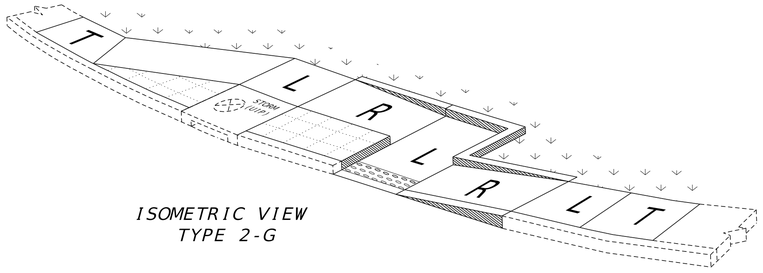
- TRUNCATED DOME LOCATION IF DIST. IS < 5' OR > 5'

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

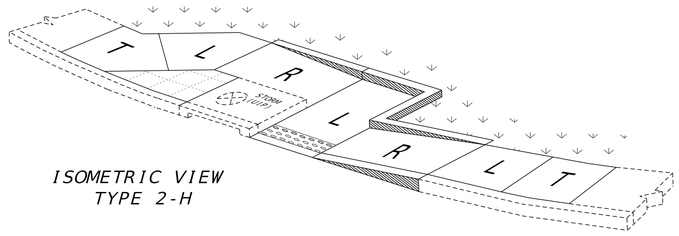
- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

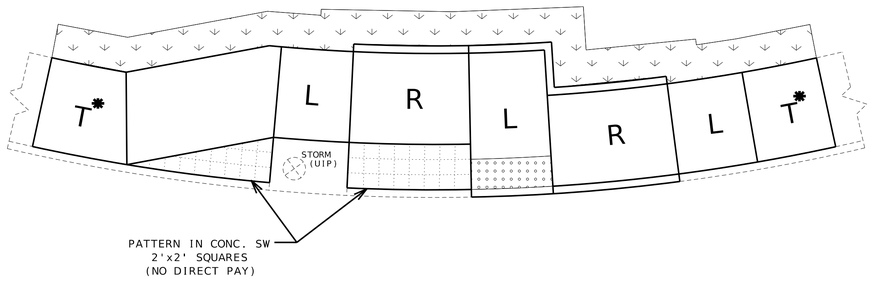
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS. TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.



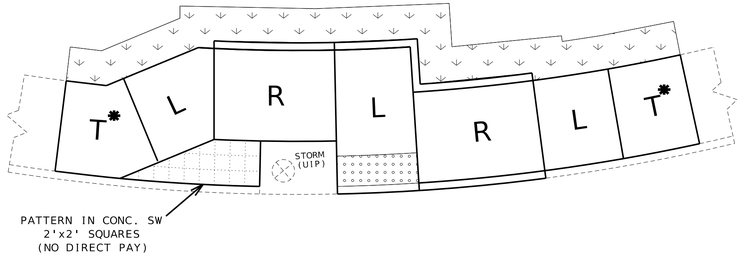
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

NOT TO SCALE

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
4 OF 7

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED
12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
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COUNTY
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CONTRACT ID.
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON &COMPANY ENGINEERS & ARCHITECTS

DIAGONAL - TYPE 3

TYPE 3-A

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	
SODDING SY	-	11.6	11.4	-	12.9	12.9	-	14.9	14.9	
8"SW OR MED STRIP SY	-	3.0	2.2	-	3.0	2.2	-	3.0	2.2	

TYPE 3-B

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP SY	-	22.0	26.3	-	25.9	31.2	-	31.2	37.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	
SODDING SY	-	15.2	15.3	-	17.1	17.5	-	20.1	20.5	
8"SW OR MED STRIP SY	-	1.5	1.5	-	1.5	1.5	-	1.5	1.5	

TYPE 3-C

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP SY	-	20.7	26.8	-	25.1	31.5	-	30.4	37.7	
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	51.0	51.0	-	58.0	58.0	-	67.0	67.0	
SODDING SY	-	18.8	19.3	-	21.3	22.1	-	25.3	26.1	
8"SW OR MED STRIP SY	-	1.0	1.6	-	1.0	1.6	-	1.0	1.6	

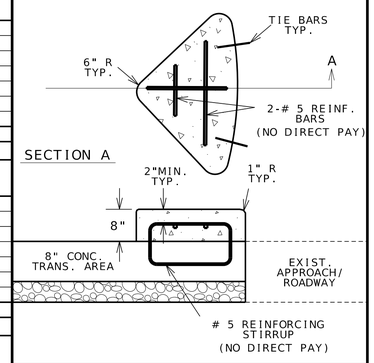
TYPE 3-D

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	24.0	28.0	-	22.4	26.5	-	22.4	26.5	
CURB RAMP SY	-	15.9	19.1	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	31.0	31.0	-	34.0	34.0	-	38.0	38.0	
SODDING SY	-	12.6	12.9	-	13.5	14.0	-	15.5	16.0	
8"SW OR MED STRIP SY	-	1.0	0.8	-	1.0	0.8	-	1.0	0.8	

TYPE 3-E

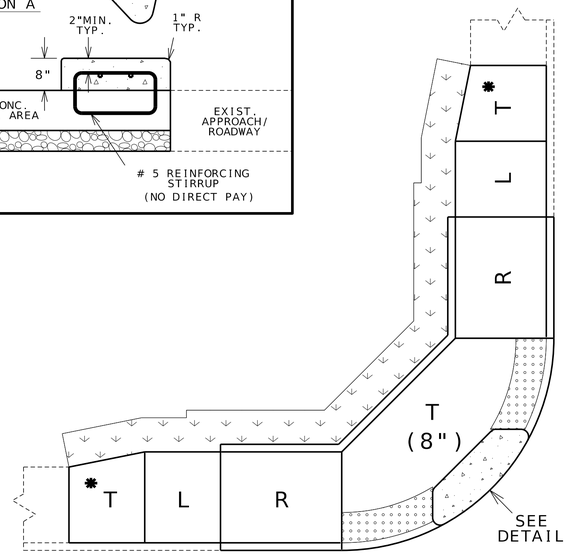
LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP SY	-	17.2	19.8	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK SY	-	8.4	10.7	-	7.3	9.4	-	7.3	9.4	
TYPE 1 AGGREGATE SY	-	-	-	-	-	-	-	-	-	
ADA LINEAR GRADING LF	-	30.0	30.0	-	35.5	35.5	-	39.5	39.5	
SODDING SY	-	12.4	12.4	-	12.9	13.3	-	14.9	15.3	
8"SW OR MED STRIP SY	-	1.6	1.6	-	1.6	1.6	-	1.6	1.6	

- DETAIL -
8" SIDEWALK OR 8" MEDIAN STRIP



T - IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS. PAID FOR AS CONCRETE CURB RAMP

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS. TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.



TYPE 3-A

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED IF CONDITIONS ALLOW)

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE WITH THE NEW LANDING XSLOPE) TRANSITION SHOULD BE DONE OVER 5'

L - LANDING

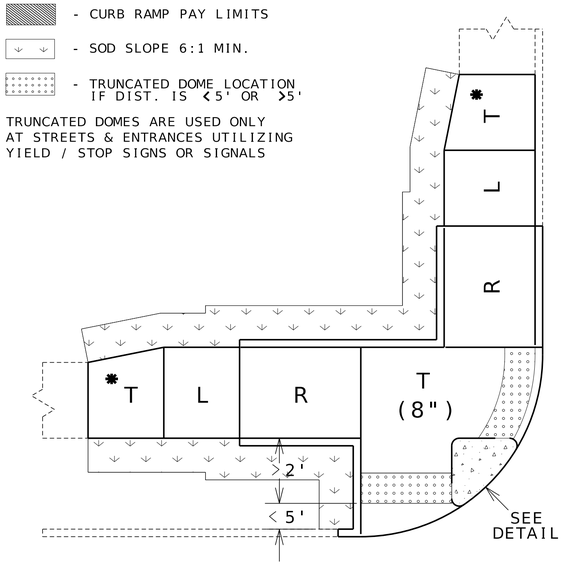
R - RAMP

- CURB RAMP PAY LIMITS

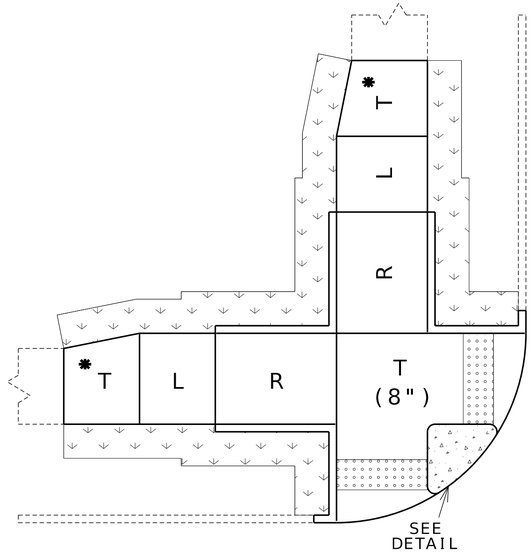
- SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

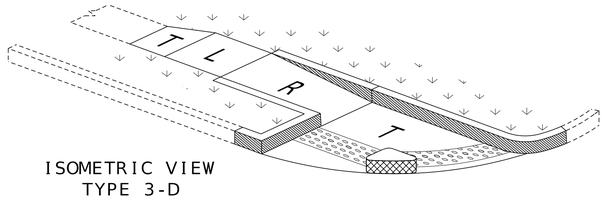
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



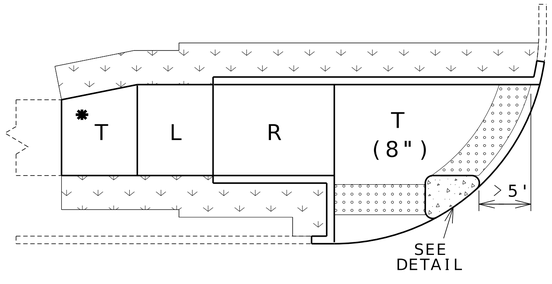
TYPE 3-B



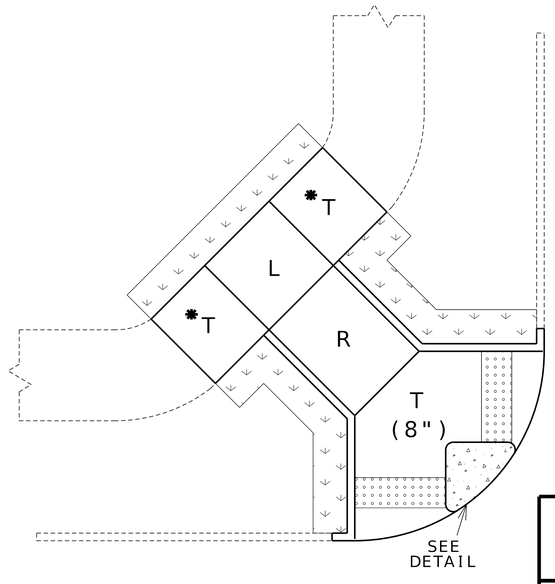
TYPE 3-C



ISOMETRIC VIEW
TYPE 3-D



TYPE 3-D



TYPE 3-E

NOT TO SCALE

REVISED: 02-22-2017

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	2

COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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

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

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599
WILSON &COMPANY ENGINEERS & ARCHITECTS

TYPE 3
DIAGONAL CURB RAMPS

TYPICAL SHEET 5 OF 7

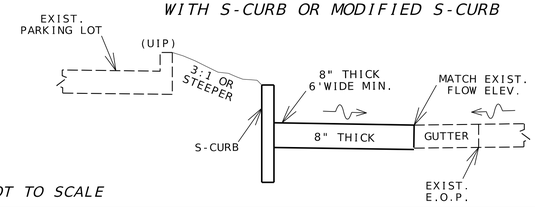
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REVISED: 03-01-2018

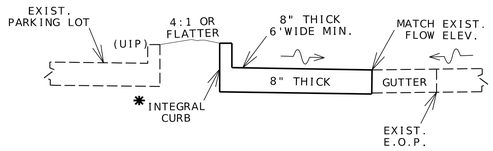
NOTES FOR MODIFIED SIDEWALK:

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

SECTION A-A
WITH S-CURB OR MODIFIED S-CURB



SECTION A-A
WITH INTEGRAL CURB

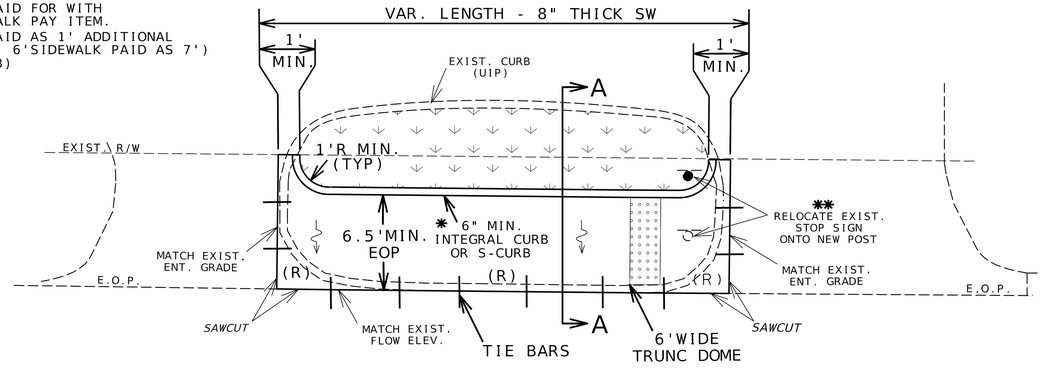


NOT TO SCALE

✱ 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)

TYPICAL
MODIFIED SIDEWALK
8" THICK

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

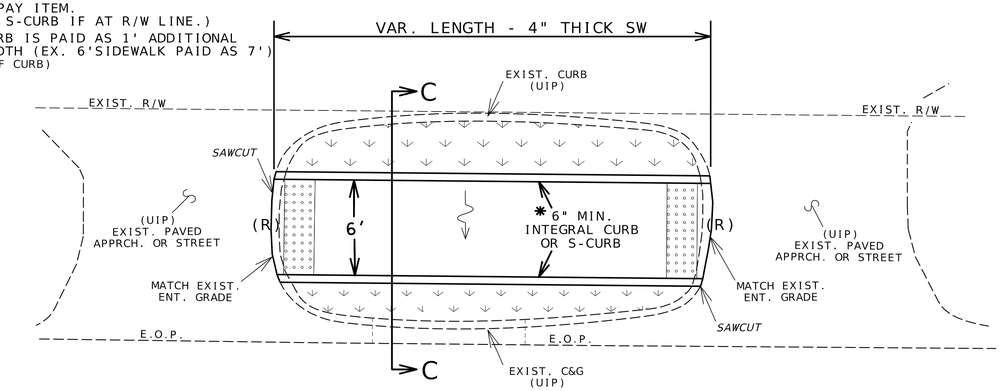


NOTES FOR CUT-THRU SIDEWALK:

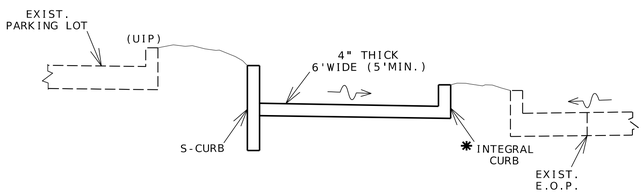
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU 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)

TYPICAL
CUT-THRU SIDEWALK



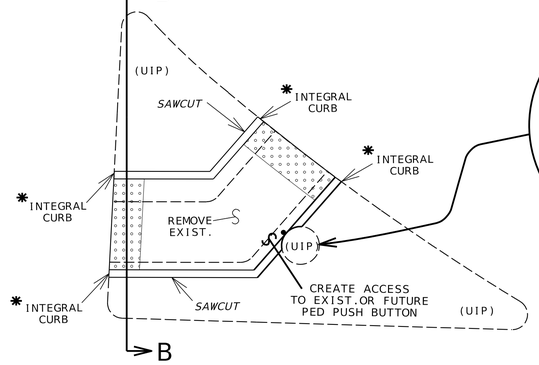
SECTION C-C
WITH S-CURB OR INTEGRAL



NOT TO SCALE

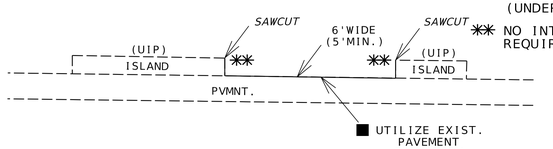
NOT TO SCALE

TYPICAL
ISLAND CUT-THRU SIDEWALK
X-SLOPE 2% MAX, CONSTRUCT TO DRAIN



DETAIL
ACCESS FOR PED PUSH BUTTON

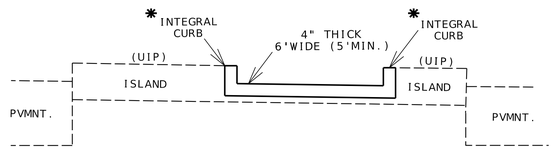
SECTION B-B
ISLAND CUT-THRU SIDEWALK
FOR EXISTING 'PINNED-ON' ISLAND



■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)

✱✱ NO INTEGRAL CURB, AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

SECTION B-B
ISLAND CUT-THRU SIDEWALK



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

MODIFIED SIDEWALK AND SIDEWALK CUT-THRU's

TYPICAL SHEET 6 OF 7

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025
ROUTE VAR | STATE MO
DISTRICT KC | SHEET NO. 2
COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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

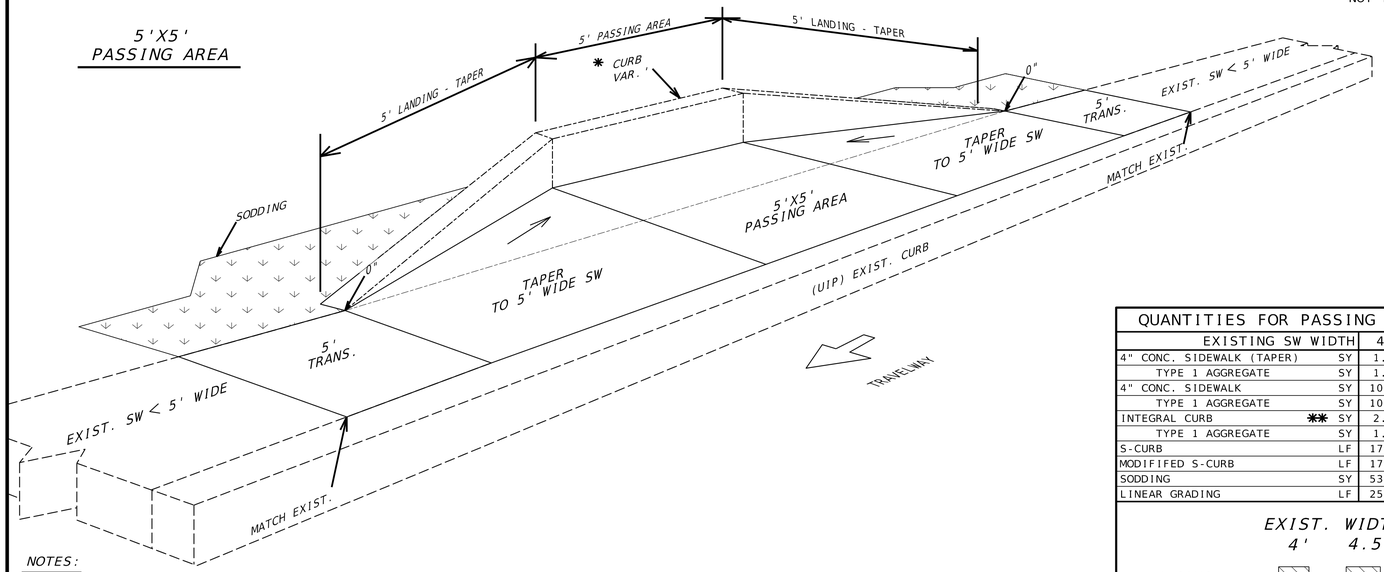
DESCRIPTION | DATE

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

800 E 101st Terr., Ste. 200
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Missouri Cert. of Authority #2003007599
WILSON &COMPANY ENGINEERS & ARCHITECTS

NOT TO SCALE

5'X5' PASSING AREA

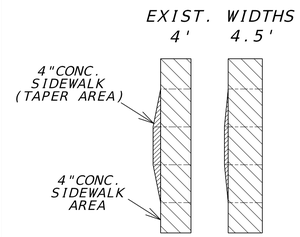


NOTES:

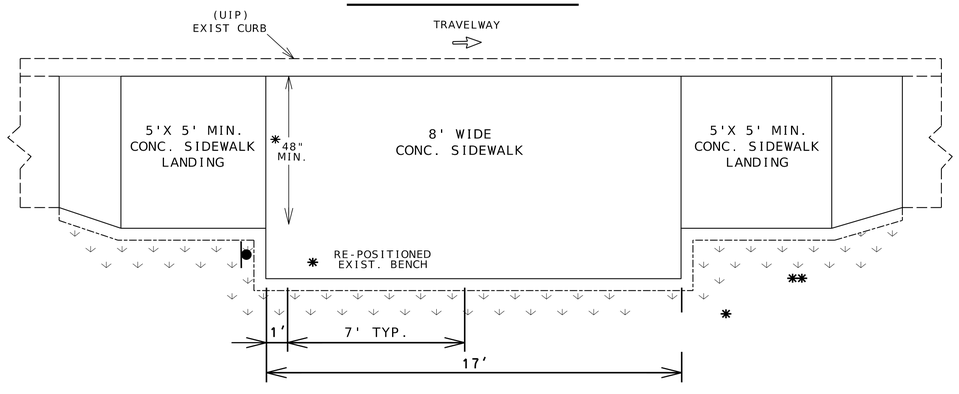
1. *PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.*
2. * *CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).*
3. *S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.*
4. ** *INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7') (0.11 SY/LF OF CURB)*
5. *TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.*

QUANTITIES FOR PASSING AREAS

EXISTING SW WIDTH		4'	4.5'
4" CONC. SIDEWALK (TAPER)	SY	1.3	0.7
TYPE 1 AGGREGATE	SY	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	11.7
TYPE 1 AGGREGATE	SY	10.4	11.7
INTEGRAL CURB **	SY	2.0	2.0
TYPE 1 AGGREGATE	SY	1.0	1.0
S-CURB	LF	17.2	16.0
MODIFIFED S-CURB	LF	17.2	16.0
SODDING	SY	53.0	53.0
LINEAR GRADING	LF	25.0	25.0



BUS STOP WITH BENCH



NOTES:

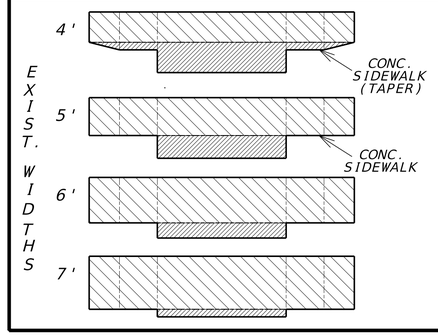
* 1. THE RE-POSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).

3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.

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

5. *TYPICALS AND DETAILS PROVIDED ARE FOR USE IN THE FIELD, SHOULD ADJUSTMENTS NEED TO BE MADE.*

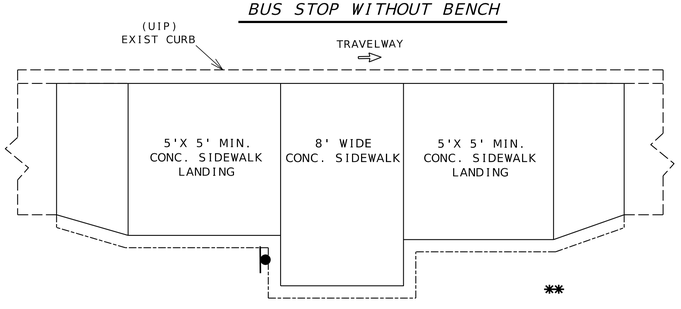


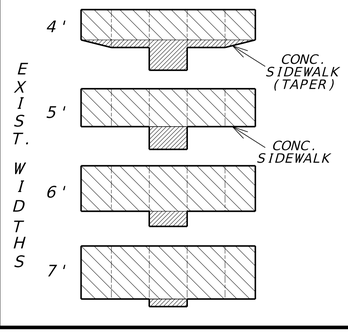
QUANTITIES FOR BUS STOPS WITH BENCH

EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	9.3	5.8	3.9	1.9
TYPE 1 AGGREGATE	SY	9.3	5.8	3.9	1.9
4" CONC. SIDEWALK	SY	16.5	20.4	24.3	28.2
TYPE 1 AGGREGATE	SY	16.5	20.4	24.3	28.2
INTEGRAL CURB ***	SY	5.4	3.4	3.2	2.9
TYPE 1 AGGREGATE	SY	2.7	1.7	1.6	1.5
S-CURB	LF	43.5	27.0	25.0	23.0
MODIFIFED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

NOT TO SCALE

BUS STOP WITHOUT BENCH





QUANTITIES FOR BUS STOPS - NO BENCH

EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	3.9	1.8	1.3	0.7
TYPE 1 AGGREGATE	SY	3.9	1.8	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	12.9	15.5	18.0
TYPE 1 AGGREGATE	SY	10.4	12.9	15.5	18.0
INTEGRAL CURB ***	SY	3.8	2.0	1.8	1.6
TYPE 1 AGGREGATE	SY	1.9	1.0	0.9	0.8
S-CURB	LF	31.0	15.0	13.0	11.0
MODIFIFED S-CURB	LF	31.0	15.0	13.0	11.0
SODDING	SY	7.6	7.4	6.8	6.4
LINEAR GRADING	LF	25.0	25.0	25.0	25.0

PASSING AREAS, BUS STOPS, AND MODIFIED S-CURB

TYPICAL SHEET 7 OF 7

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	2

COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
.	.

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WILSON &COMPANY ENGINEERS & ARCHITECTS

REMOVAL OF IMPROVEMENTS						
ROUTE	LOCATION	SHEET	DESCRIPTION	QUANTITY	UNITS	REMARKS
RTE 12	ARLINGTON TO FRANKLIN	4-5	SIDEWALK	574.20	SY	
			CURB AND CURB & GUTTER	954.49	LF	
			ENTRANCES	178.00	SY	
US-24	RTE 291 TO SALEM DR	6-18	SIDEWALK	981.93	SY	
			CURB AND CURB & GUTTER	984.78	LF	
			TOTAL	LUMP SUM 1		ALL VERTICAL SAW CUTS SHALL AND TRUNCATED DOMES TO BE INCIDENTAL TO REMOVALS

MOBILIZATION - 1 LUMP SUM

CONTRACTOR FURNISHED SURVEY AND STAKING - 1 LUMP SUM

CLEARING AND GRUBBING AT NO DIRECT PAY

SILT FENCE - 1000 LF AS DIRECTED BY THE ENGINEER

RELOCATE EXISTING SIGN = 1 EACH

ADDITIONAL MOBILIZATION FOR SEEDING - 1 EACH

SEEDING AND MULCHING	
SEEDING COOL - SEASON GRASSES (ACRES)	MULCHING (ACRES)
0.25	0.25

JACKSON COUNTY
SUMMARY OF QUANTITIES
SHEET 1 OF 5

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/4/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
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REV.

CONCRETE SIDEWALK

ROUTE	LOCATION	SHEET	NORTH/ SOUTH EAST/ WEST	CITY	4" CONCRETE SIDEWALK (SY)	8" CONCRETE SIDEWALK (SY)	CURB RAMP (SY)	TRUNCATED DOMES (SF)	LINEAR GRADING CLASS 1 (STA.)	SODDING (SY)	REMARKS
RTE 12	ARLINGTON TO FRANKLIN	4	NORTH		47.23		16.69	16.00	0.80	17.78	
			SOUTH		25.53		5.49		1.10	24.44	
		5	NORTH		275.68	16.39			5.47	121.56	
			SOUTH		110.99	57.17	19.03	25.50	3.05	67.78	
US-24	RTE 291 TO SALEM DR	6	EAST	INDEPENDENCE	5.67						
			SOUTH					12.00			
		7	NORTH		14.88		24.31	45.00	0.62	13.78	
		8	NORTHWEST		15.49		13.93	20.00	0.25	5.56	
			NORTHEAST		21.85		5.89	10.00	0.19	4.22	
			SOUTHWEST		28.66		23.41	25.00	0.50	11.11	
			SOUTHEAST		26.96		5.52	10.00	0.57	12.67	
		9	NORTHWEST		12.14		8.04	10.00	0.26	5.78	
			NORTHEAST		5.93		10.22	10.00	0.27	6.00	
			SOUTHWEST		25.52		11.97	16.50	0.31	6.89	
			SOUTHEAST		32.77		12.01	10.00	0.33	7.33	
		10	SOUTH		11.11		16.34	33.00	0.50	11.11	
		11	NORTHWEST		44.89		24.08	47.00	1.08	24.00	
			NORTHEAST		13.07		22.13	20.00	0.39	8.67	
			SOUTHWEST		5.56		10.06	18.50	0.29	6.44	
			SOUTHEAST		14.64		14.73	20.00	0.26	5.78	
		12	NORTHWEST		5.56		10.61	17.50	0.29	6.44	
			NORTHEAST		5.56		8.77	19.00	0.27	6.00	
			SOUTHWEST		28.22		13.42	10.00	0.35	7.78	
			SOUTHEAST		5.56		8.73	15.00	0.25	5.56	
		13	NORTH		11.45		18.77	33.00	0.43	9.56	
		14	NORTHWEST		5.56		6.54	10.00	0.40	8.89	
			NORTHEAST		11.50		18.16	10.00	0.85	18.89	
			SOUTHWEST		5.56		8.04	18.50	0.26	5.78	
			SOUTHEAST		12.12		18.90	13.50	0.41	9.11	
		15	NORTHWEST		8.39		7.97	10.00	0.23	5.11	
			NORTHEAST		8.33		25.52	25.00	0.84	18.67	
			NORTH		12.22		19.17	37.00	0.53	11.78	
			SOUTHWEST		18.51		7.32	15.00	0.57	12.67	
			SOUTHEAST		30.90		22.53	20.00	0.57	12.67	
		16	NORTH		11.11		19.82	35.50	0.56	12.44	
		17	NORTHWEST		5.56		9.19	18.50	0.28	6.22	
			NORTHEAST		5.56		7.41	19.00	0.25	5.56	
			SOUTHWEST		5.56		7.97	18.50	0.26	5.78	
			SOUTHEAST		5.56		8.69	21.50	0.28	6.22	
		18	NORTH		6.90		10.11	30.50	0.29	6.44	
			SOUTH		17.37		15.45	30.00	0.37	8.22	
				SUBTOTAL	965.63	73.56	516.94	775.50	24.78	550.69	
				PAY TOTAL	966.00	74.00	517.00	776.00	25.00	551.00	

JACKSON COUNTY
SUMMARY OF QUANTITIES
SHEET 2 OF 5

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

CURB & GUTTER

ROUTE	LOCATION	SHEET	NORTH/ SOUTH EAST/ WEST	CITY	MODIFIED CONCRETE GUTTER TYPE A (LF)	CONCRETE CURB 6" HEIGHT AND UNDER (LF)	4" TYPE 1 OR 5 AGG BASE (SY)	REMARKS
RTE 12	ARLINGTON TO FRANKLIN	4	NORTH		44.16		14.72	
			SOUTH			16.00		
		5	NORTH			35.42		
			SOUTH			858.91		
US-24	RTE 291 TO SALEM DR	7	NORTH		19.52	17.99	6.51	
		8	NORTHWEST		34.58		11.53	
			NORTHEAST		34.16		11.39	
			SOUTHWEST		49.34		16.45	
			SOUTHEAST		27.63		9.21	
		9	NORTHWEST		27.28		9.09	
			NORTHEAST		15.38		5.13	
			SOUTHWEST		36.74		12.25	
			SOUTHEAST		38.87		12.96	
		10	SOUTH		37.47		12.49	
		11	NORTHWEST		55.35		18.45	
			NORTHEAST		32.61		10.87	
			SOUTHWEST		20.13		6.71	
			SOUTHEAST		37.08		12.36	
		12	NORTHWEST	INDEPENDENCE	20.50		6.83	
			NORTHEAST		23.51		7.84	
			SOUTHWEST		37.73		12.58	
			SOUTHEAST		17.93		5.98	
		13	NORTH		39.35		13.12	
		14	NORTHWEST		11.33		3.78	
			NORTHEAST		11.73		3.91	
			SOUTHWEST		19.97		6.66	
			SOUTHEAST		27.45		9.15	
		15	NORTHWEST		18.43		6.14	
			NORTHEAST		26.67		8.89	
			NORTH		39.16		13.05	
			SOUTHWEST		14.50		4.83	
			SOUTHEAST		34.86		11.62	
		16	NORTH		40.59		13.53	
		17	NORTHWEST		20.23		6.74	
			NORTHEAST		19.37		6.46	
			SOUTHWEST		20.19		6.73	
			SOUTHEAST		21.53		7.18	
		18	NORTH		20.46		6.82	
			SOUTH		15.16		5.05	
				SUBTOTAL	1010.95	928.32	337.01	
				PAY TOTAL	1011.00	929.00		

* INCLUDED IN ENTRANCE QUANTITIES

ENTRANCES

ROUTE	LOCATION	SHEET	NORTH/ SOUTH EAST/ WEST	CITY	8' PAVED APPROACH (SY)	4" TYPE 1 OR 5 AGG BASE (SY)	REMARKS
RTE 12	ARLINGTON TO FRANKLIN	5	NORTH	INDEPENDENCE	34.11	34.11	
			SOUTH		143.68	143.68	
				SUBTOTAL	177.79	177.79	
				PAY TOTAL	178.00	515.00	

JACKSON COUNTY
SUMMARY OF QUANTITIES
SHEET 3 OF 5

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025
ROUTE VAR | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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105 WEST CAPITOL
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Missouri Cert. of Authority #2003007599
WILSON &COMPANY ENGINEERS & ARCHITECTS

PAVEMENT MARKING

ROUTE	LOCATION	SHEET	NORTH/ SOUTH EAST/ WEST	CITY	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE (LF)	PAVEMENT MARKING REMOVAL (LF)
US-24	RTE 291 TO SALEM DR	6	NORTH	INDEPENDENCE	30.00	30.00
			EAST		92.00	168.00
			SOUTH			48.00
		8	NORTH		44.00	
			SOUTH		69.00	
			WEST		78.00	148.00
		9	NORTH		64.00	
			SOUTH		60.00	
		10	SOUTH		63.00	
		11	NORTH		109.00	207.00
			EAST		107.00	185.00
			SOUTH		102.00	184.00
		12	NORTH		68.00	
			SOUTH		44.00	
		13	NORTH		56.00	
		14	NORTH		44.00	
			SOUTH		84.00	
		15	NORTH		100.00	146.00
			EAST		123.00	203.00
			SOUTH		103.00	193.00
		17	NORTH		63.00	
			SOUTH		63.00	
		18	NORTH		18.00	42.00
			EAST		106.00	176.00
			SOUTH		18.00	36.00
				SUBTOTAL	1708.00	1766.00
				PAY TOTAL	1708.00	1766.00

EROSION CONTROL

ROUTE	LOCATION	SHEET	NORTH/ SOUTH EAST/ WEST	CITY	CURB INLET CHECK (EA)	SEDIMENT REMOVAL (CY)	WATER VALVE HEIGHT ADJUSTMENT (EA)	REMARKS
RTE 12	ARLINGTON TO FRANKLIN	5	NORTH		2	2	1	
			SOUTH		5	5		
US-24	RTE 291 TO SALEM DR	2	NORTH	INDEPENDENCE	1	1		
		7	NORTH		1	1		
		8	NORTH		3	3	1	
			SOUTH		3	3	2	
		9	NORTH		2	2	1	
			SOUTH		3	3		
			SOUTH		3	3		
		11	NORTH		2	2	1	
			SOUTH		4	4	2	
		12	NORTH		1	1		
			SOUTH		3	3		
		13	NORTH		3	3		
		14	NORTH		3	3	1	
			SOUTH		1	1		
		15	NORTH		5	5	1	
			SOUTH		4	4		
		16	NORTH		2	2		
		17	NORTH		1	1		
			SOUTH		3	3		
		18	NORTH		2	2		
			SOUTH		1	1		
				SUBTOTAL	58.00	58.00	10.00	
				PAY TOTAL	58.00	58.00	10.00	

JACKSON COUNTY
SUMMARY OF QUANTITIES
SHEET 4 OF 5

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025
ROUTE VAR | STATE MO
DISTRICT KC | SHEET NO. 3
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SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	8	128.00				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00	8	128.00				NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	8	128.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	8	128.00				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	8	128.00				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	8	128.00				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	4	40.00				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32.00				END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	4	24.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	1	6.25				RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	8	16.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	12	36.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	12	36.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE
W11-2	48X48	16.00	4	64.00				PEDESTRIAN CROSSING
M6-2a	21X15	2.20	4	8.80				DIRECTIONAL ARROW
W4-2R	48X48	8.00	4	32.00				RIGHT LANE ENDS (SYMBOL)

616-10.05 CONSTRUCTION SIGNS	TOTAL
	1064

616-10.10 RELOCATED SIGNS	TOTAL
	0

** NO DIRECT PAY FOR RELOCATING TEMPORARY TRAFFIC CONTROL DEVICES.

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2024 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001	2	TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	100	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	2	FLASHING ARROW PANEL
6161047	2	TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6161099	10	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	20	ADA COMPLIANT MOVEABLE BARRICADE

TEMPORARY TRAFFIC CONTROL	
616-99.01	
PAY TOTAL	1 LUMP SUM

QUANTITIES SHEET
SHEET 5 OF 5

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	3

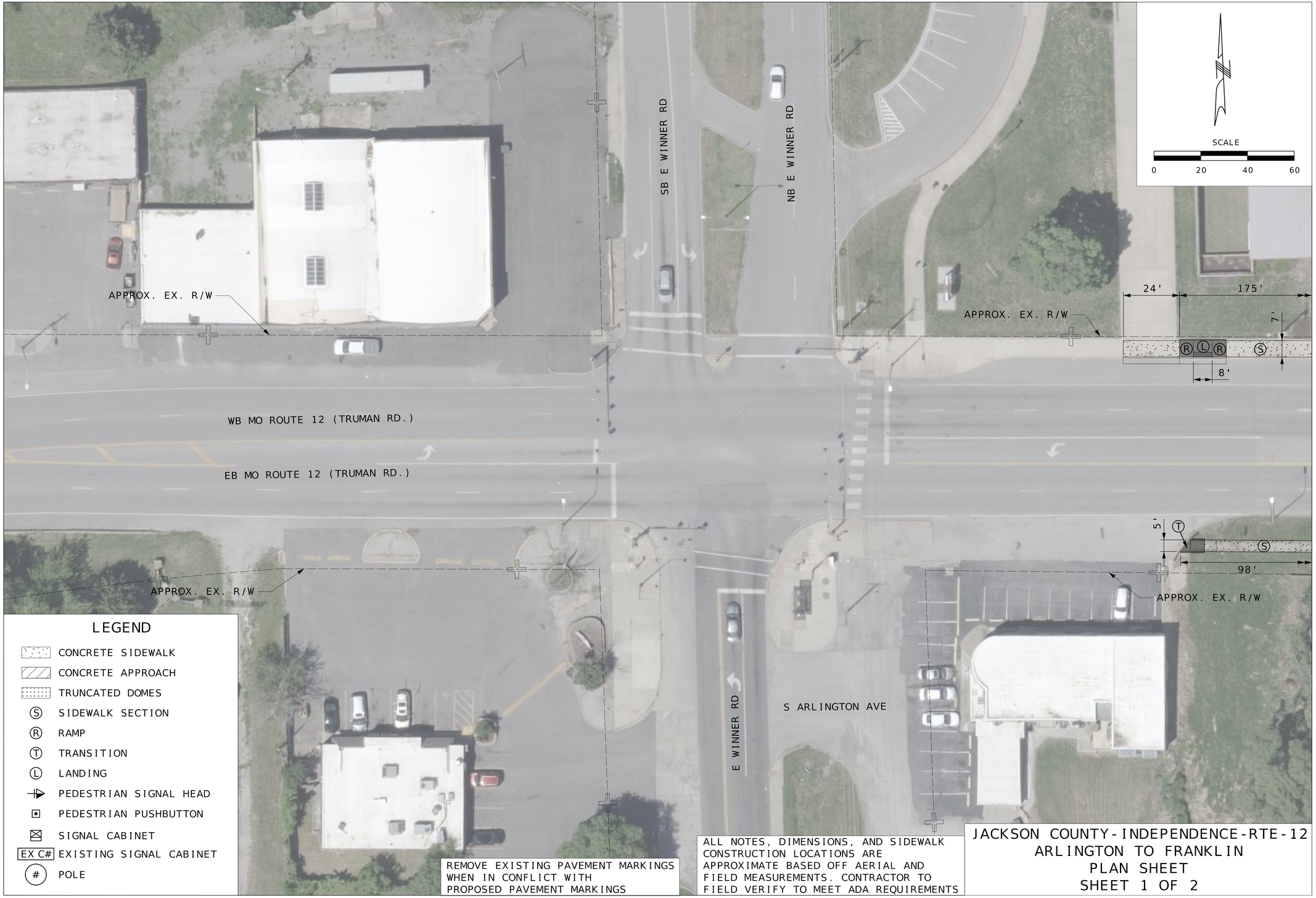
COUNTY: JACKSON
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BRIDGE NO.: .

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

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599



JACKSON COUNTY - INDEPENDENCE - RTE - 12
ARLINGTON TO FRANKLIN
PLAN SHEET
SHEET 1 OF 2

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
12	MO
DISTRICT	SHEET NO.
KC	4

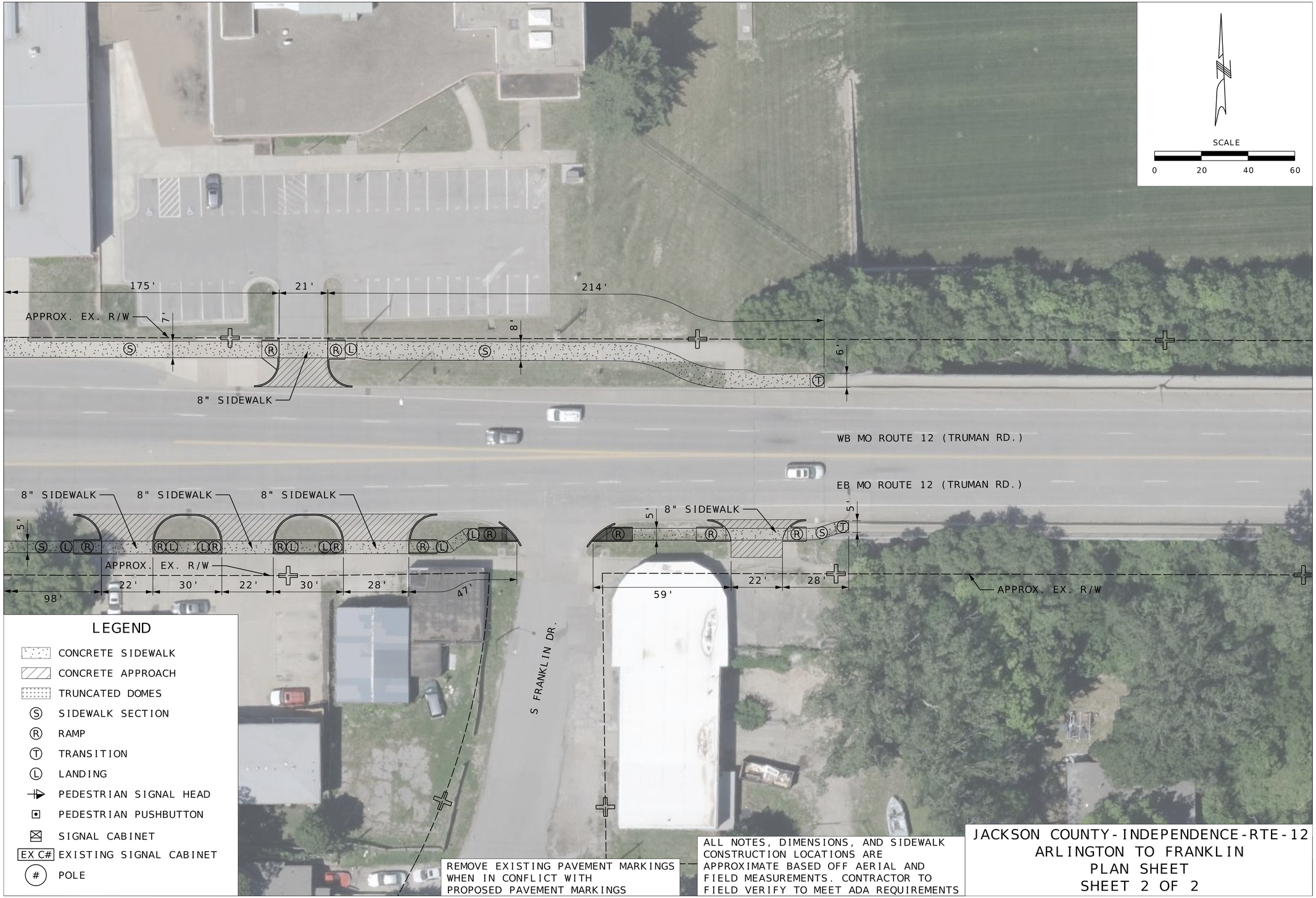
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
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REMOVE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS

ALL NOTES, DIMENSIONS, AND SIDEWALK CONSTRUCTION LOCATIONS ARE APPROXIMATE BASED OFF AERIAL AND FIELD MEASUREMENTS. CONTRACTOR TO FIELD VERIFY TO MEET ADA REQUIREMENTS

JACKSON COUNTY - INDEPENDENCE - RTE - 12
ARLINGTON TO FRANKLIN
PLAN SHEET
SHEET 2 OF 2

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
12	MO

DISTRICT	SHEET NO.
KC	5

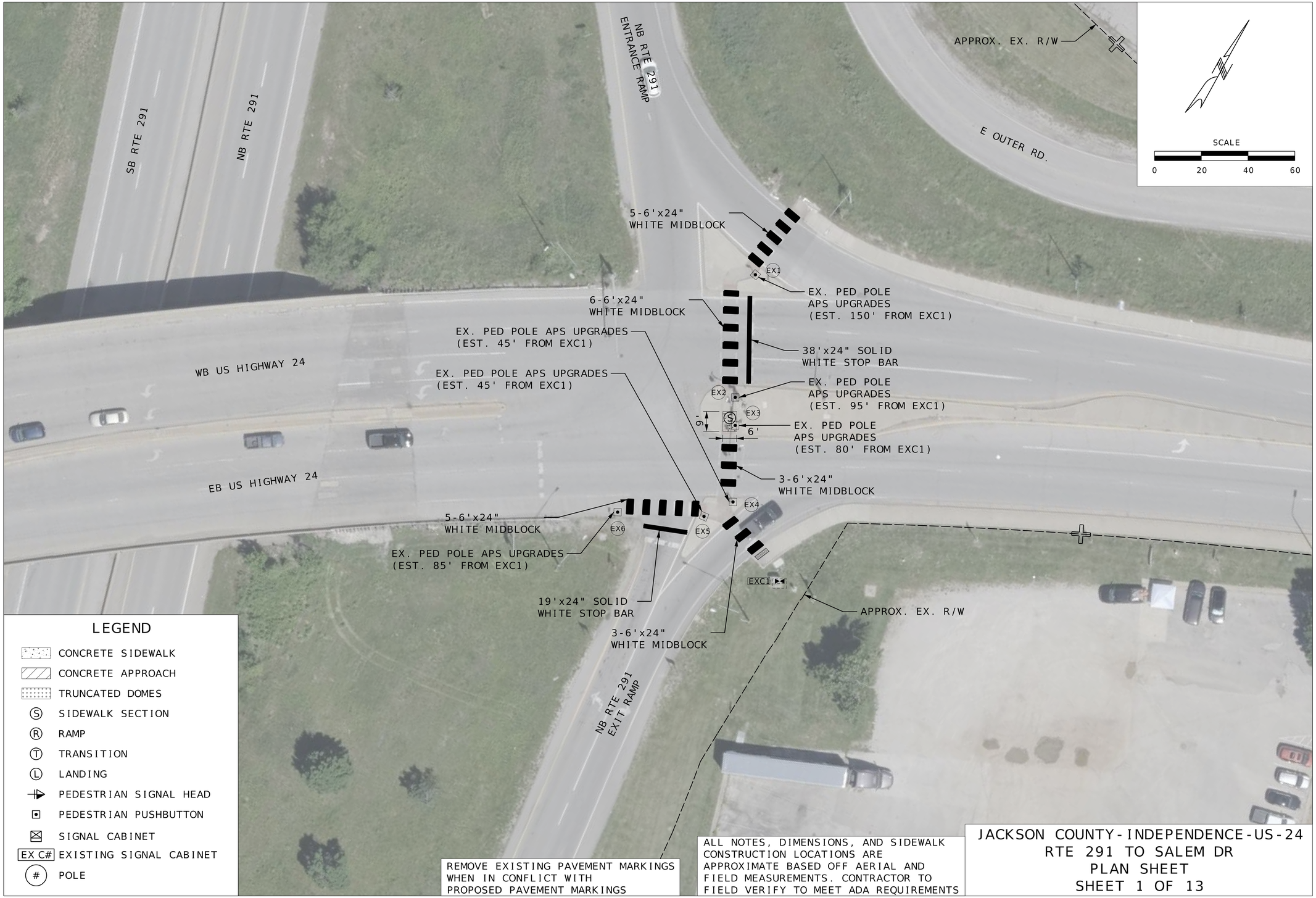
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- SIGNAL CABINET
- EX C# EXISTING SIGNAL CABINET
- (#) POLE

REMOVE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS

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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 1 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025
ROUTE: 24 | STATE: MO
DISTRICT: KC | SHEET NO.: 6
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
.	.

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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- SIGNAL CABINET
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JACKSON COUNTY - INDEPENDENCE - US - 24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 2 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	7

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

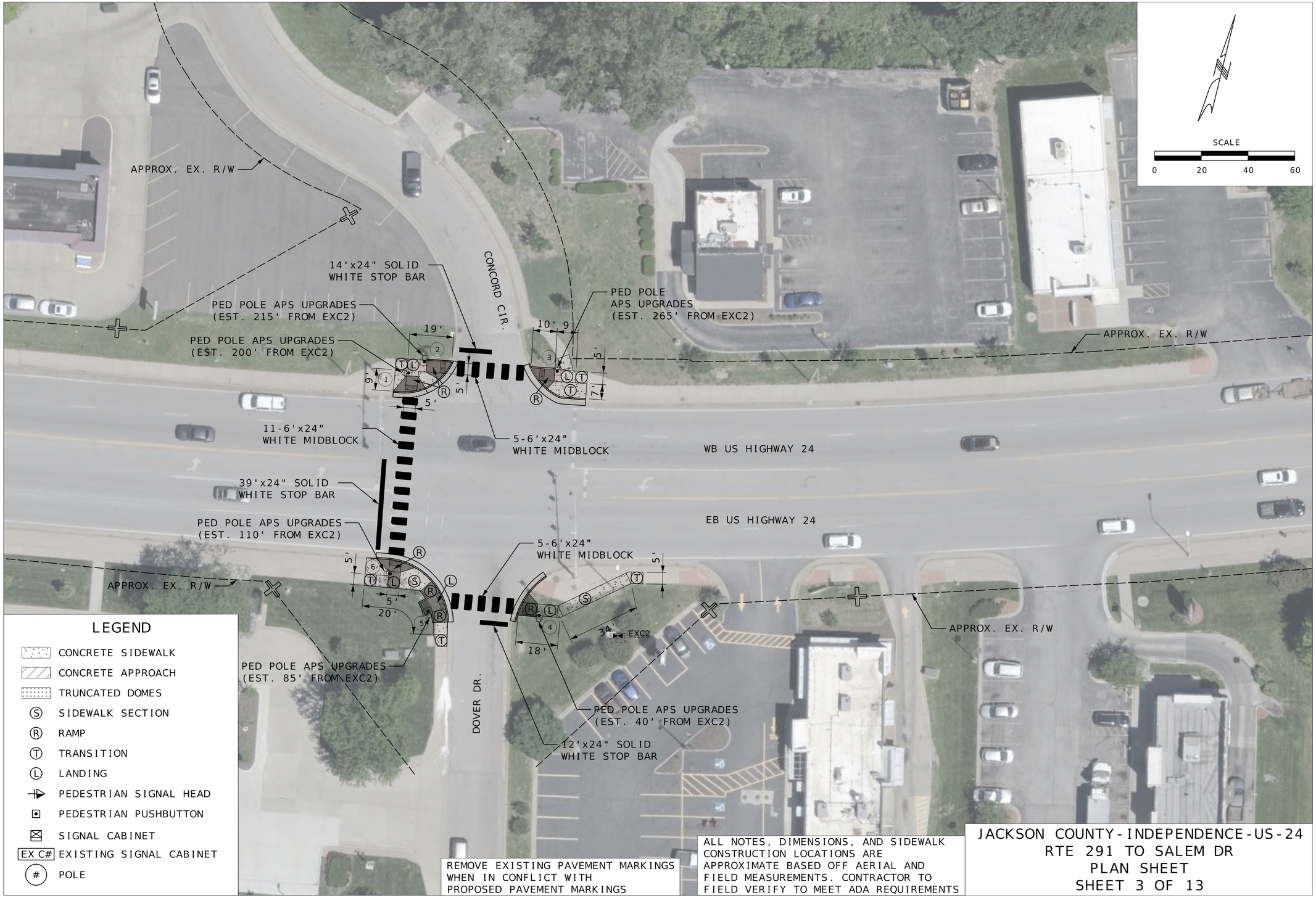
BRIDGE NO.: .

DESCRIPTION	DATE
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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
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- PEDESTRIAN PUSHBUTTON
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JACKSON COUNTY - INDEPENDENCE - US - 24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 3 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	8

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

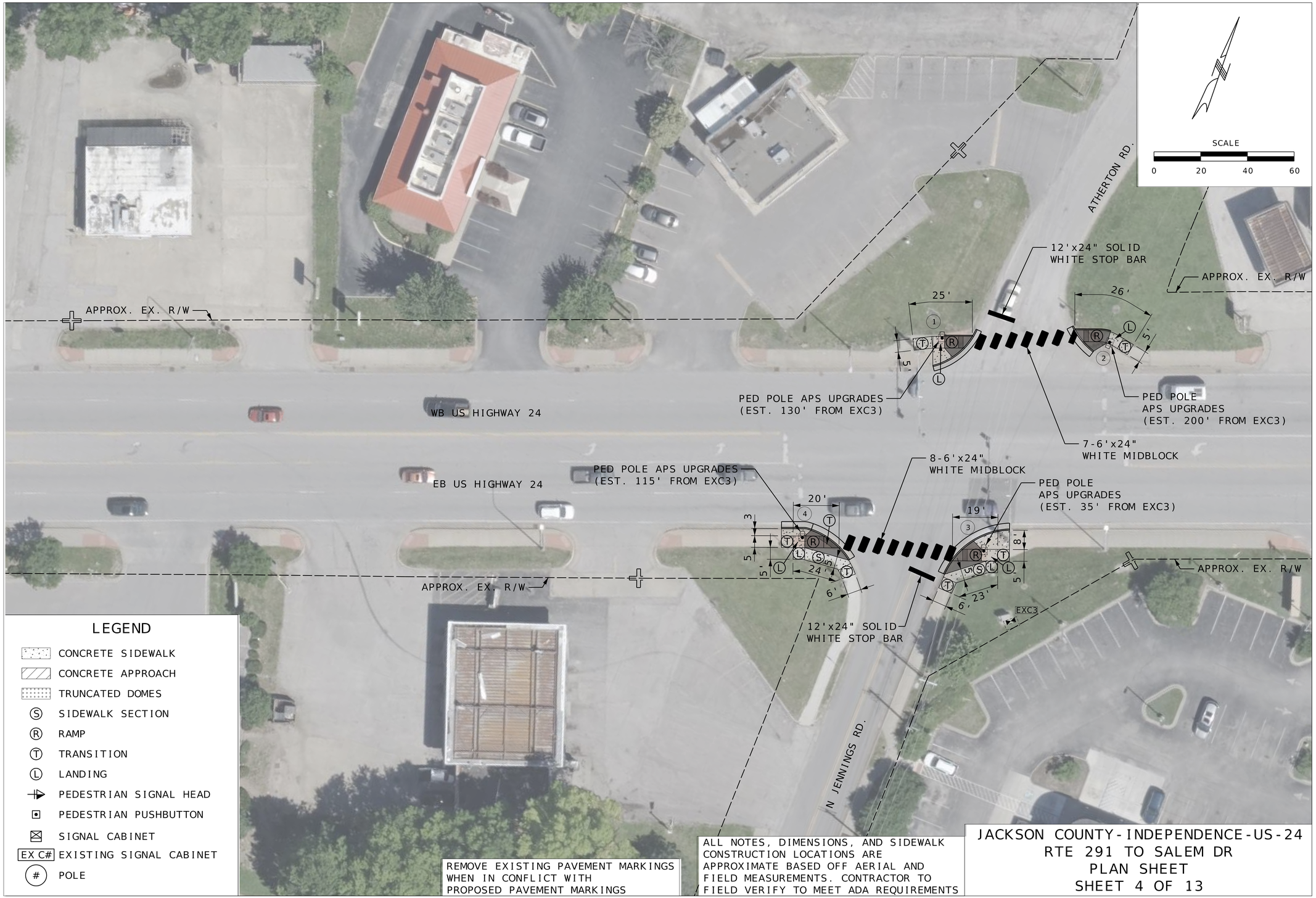
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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- SIGNAL CABINET
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JACKSON COUNTY - INDEPENDENCE - US - 24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 4 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
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DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	9

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

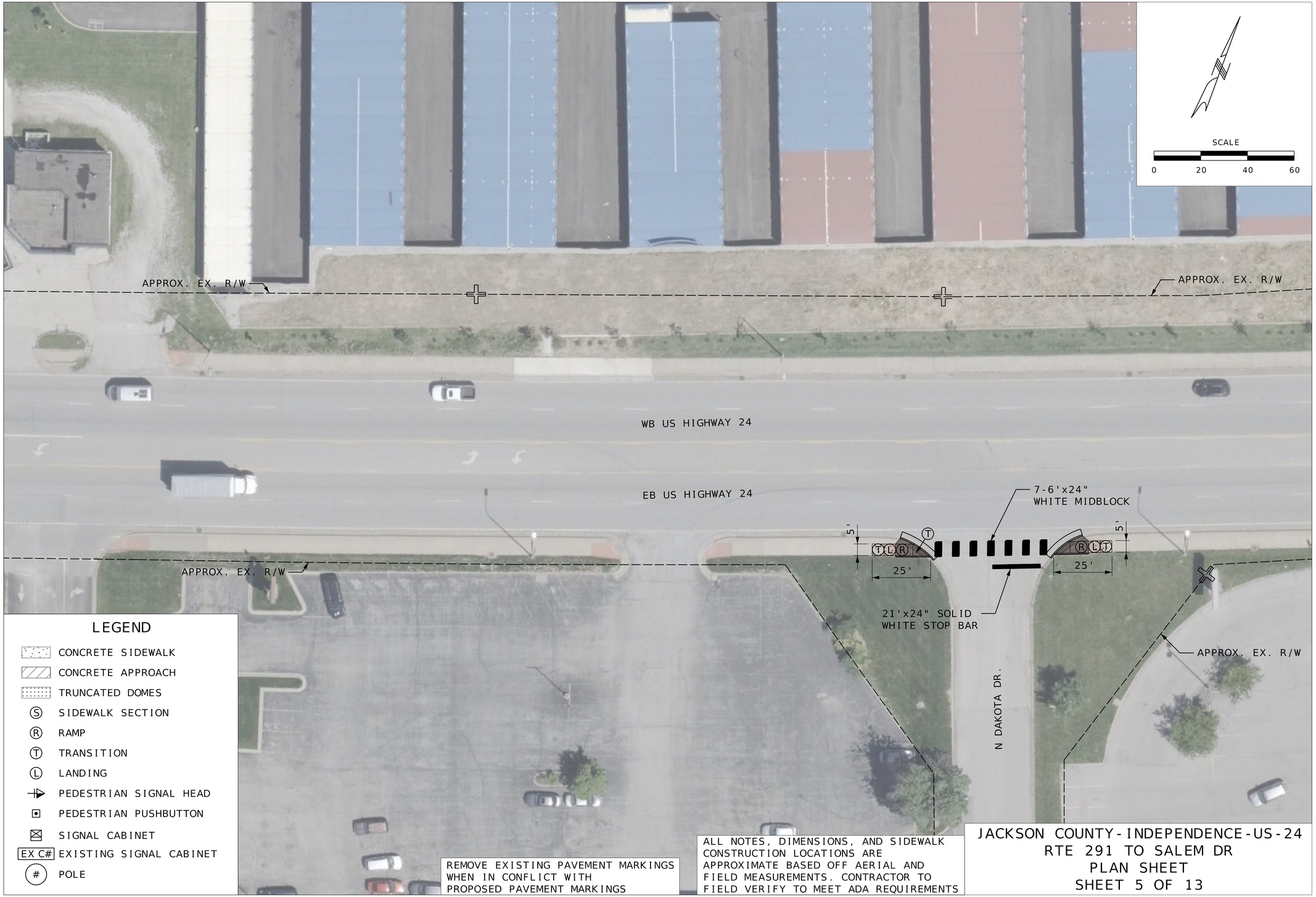
BRIDGE NO.: .

DATE	DESCRIPTION
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JACKSON COUNTY - INDEPENDENCE - US - 24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 5 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
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DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	10

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

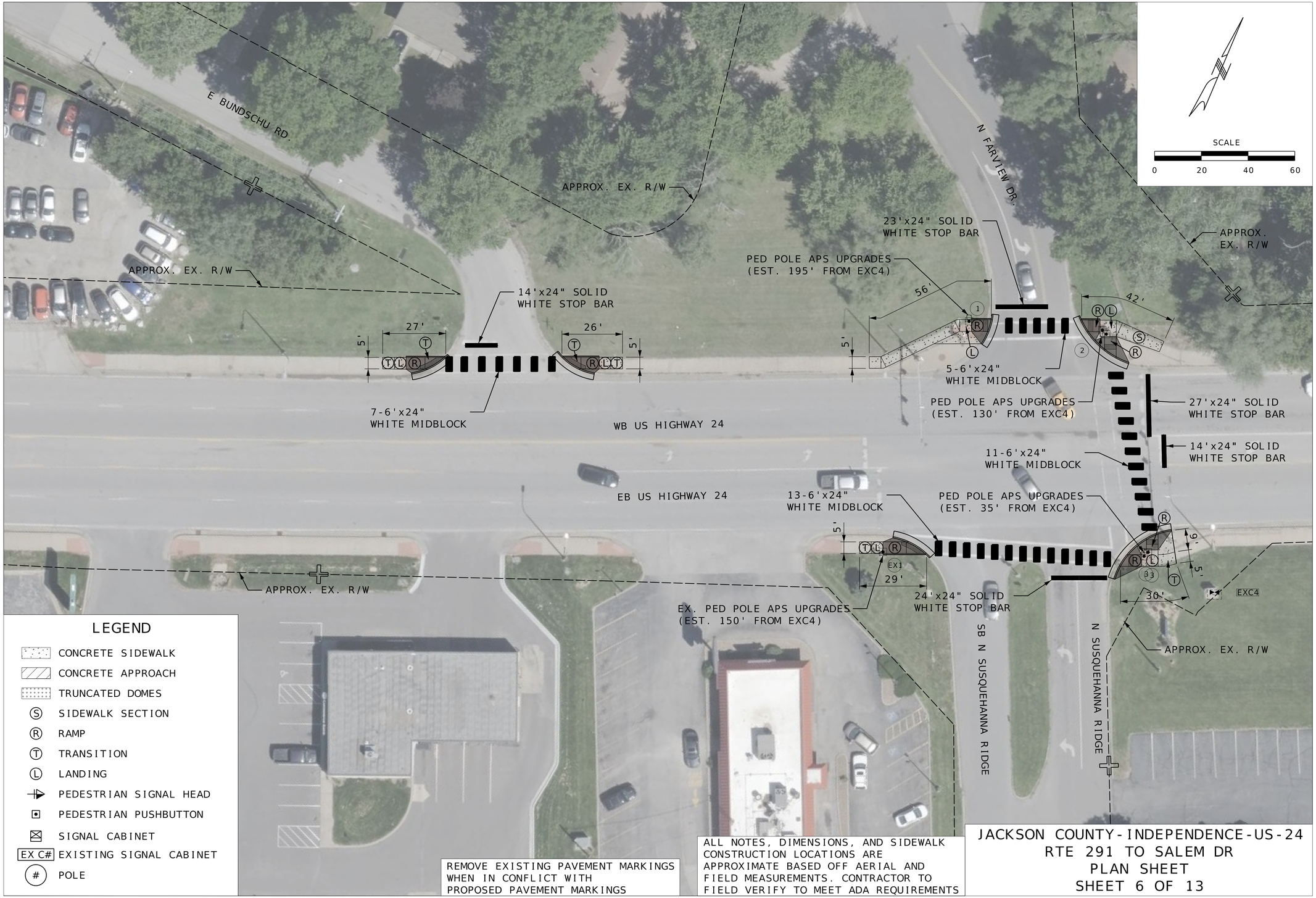
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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 6 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	11

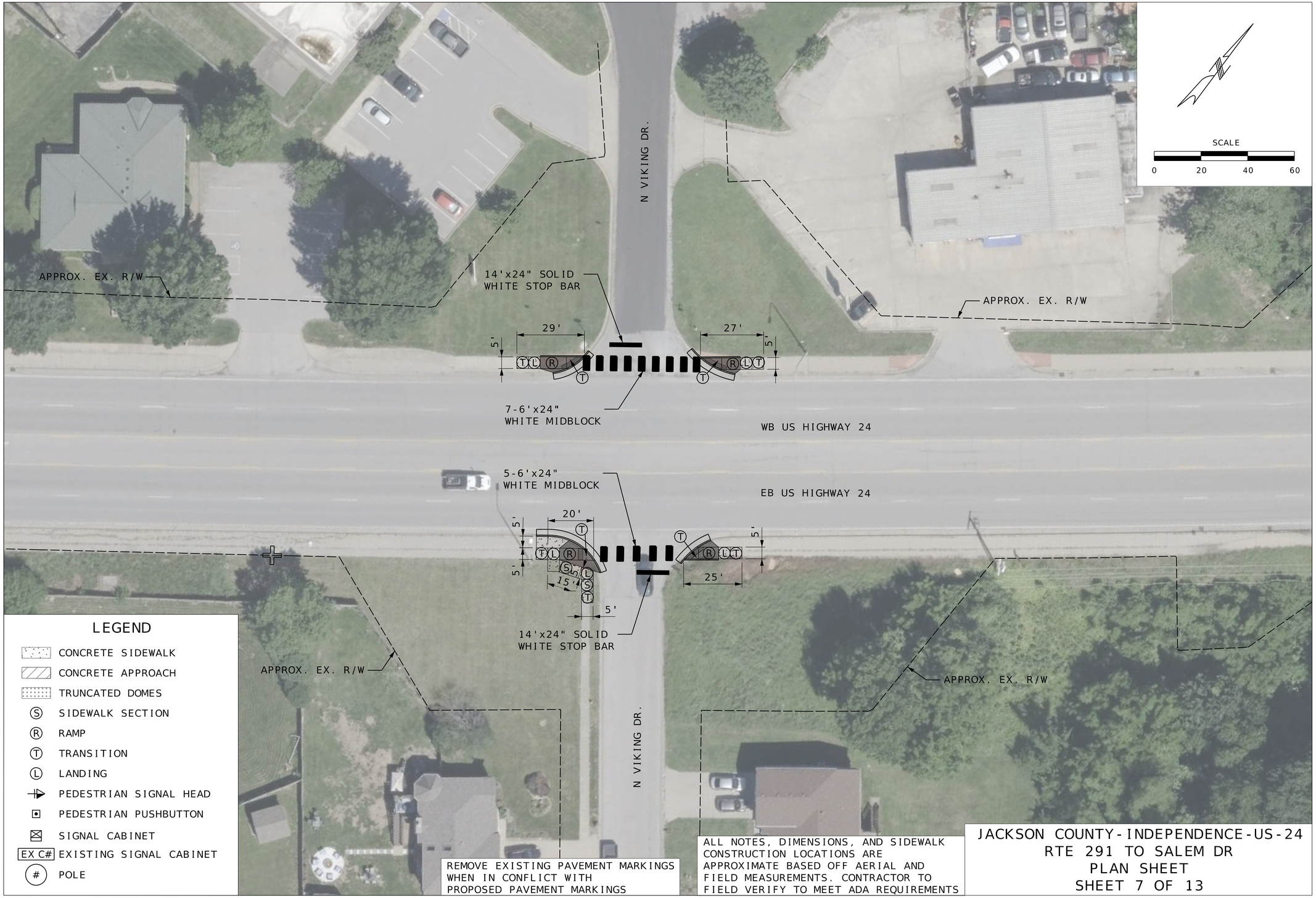
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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LEGEND

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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 7 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
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PROFESSIONAL ENGINEER
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DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

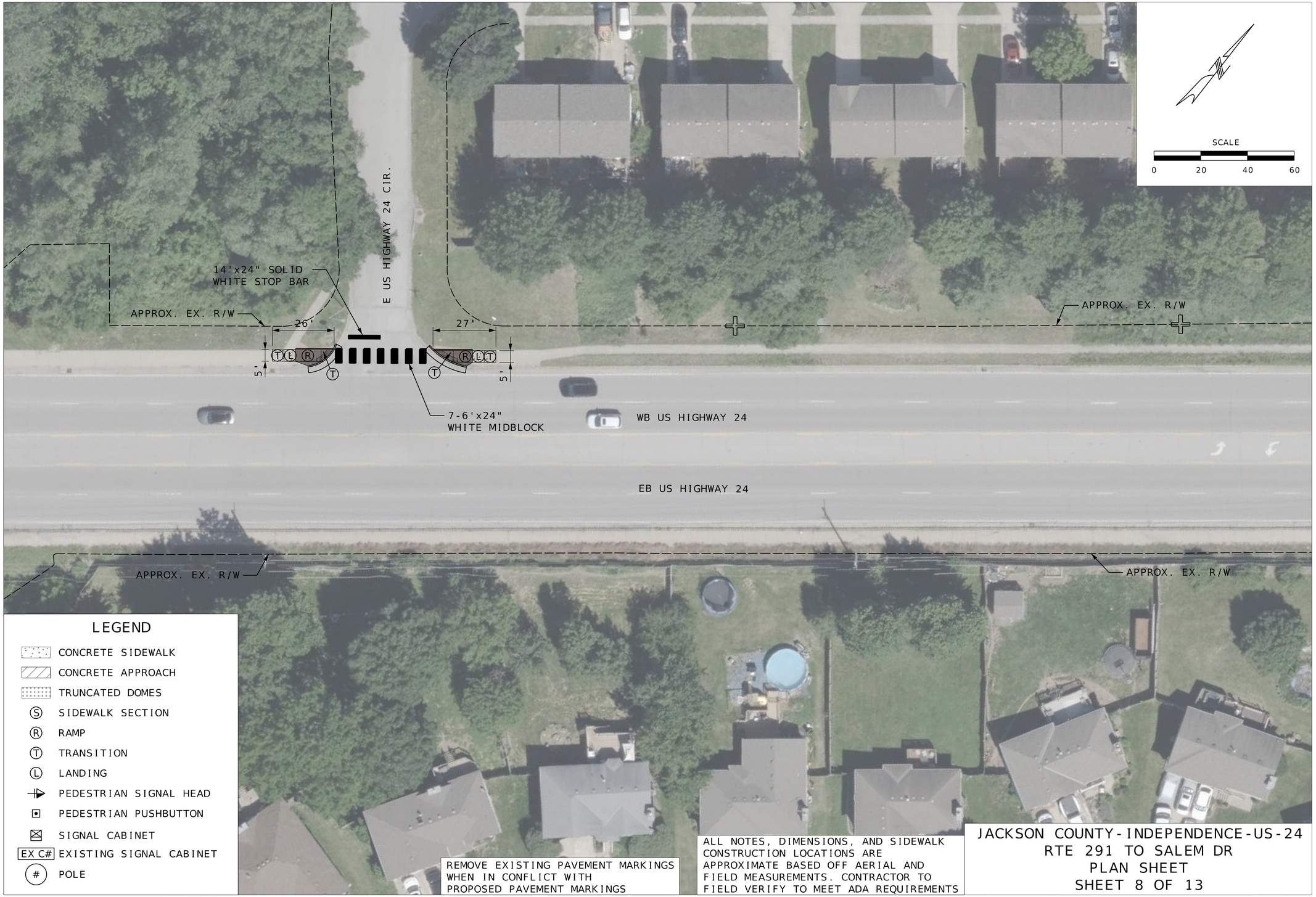
DISTRICT	SHEET NO.
KC	12

COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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LEGEND

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- (S) SIDEWALK SECTION
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REMOVE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS

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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 8 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	13

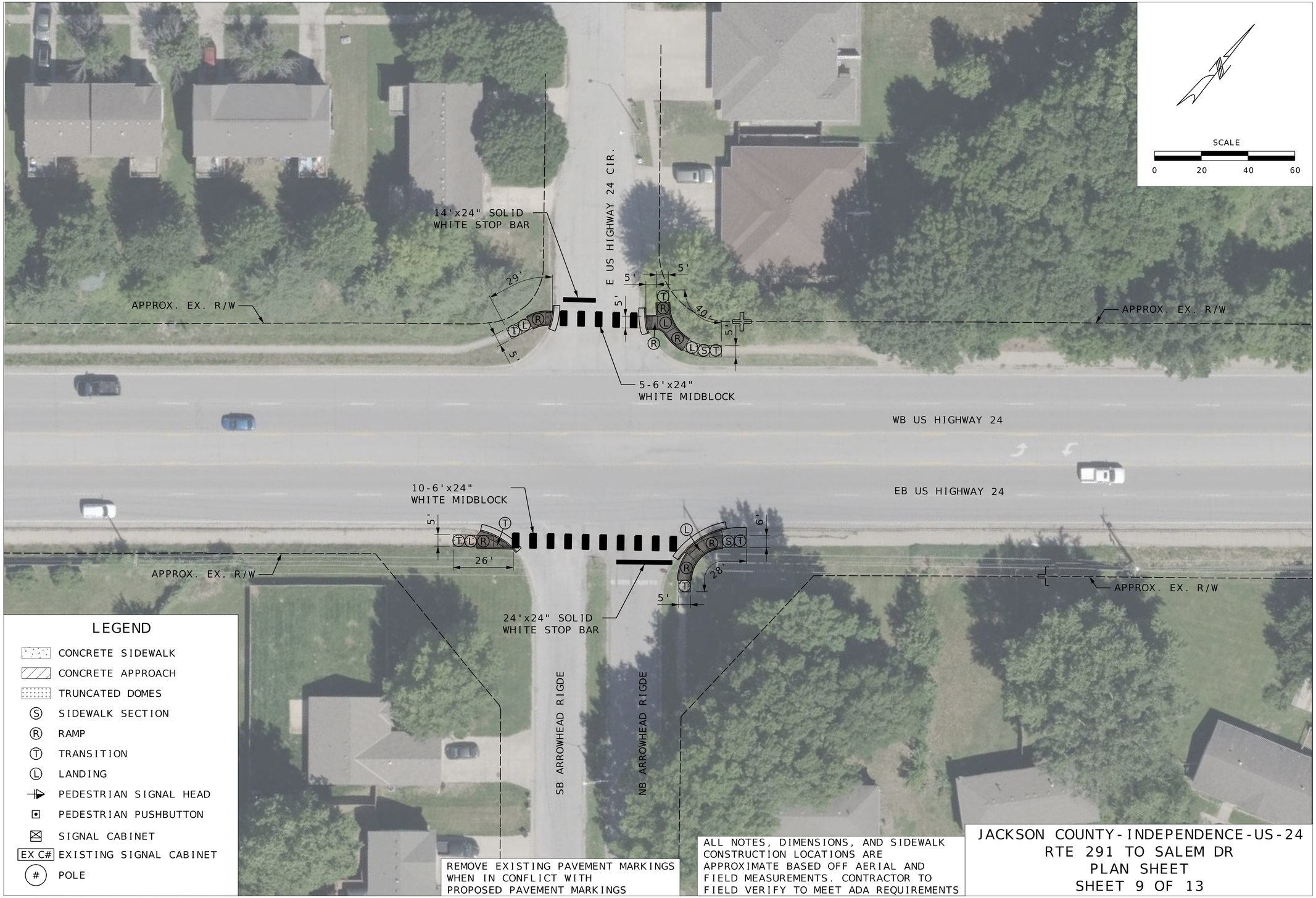
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
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JACKSON COUNTY-INDEPENDENCE-US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 9 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
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DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	14

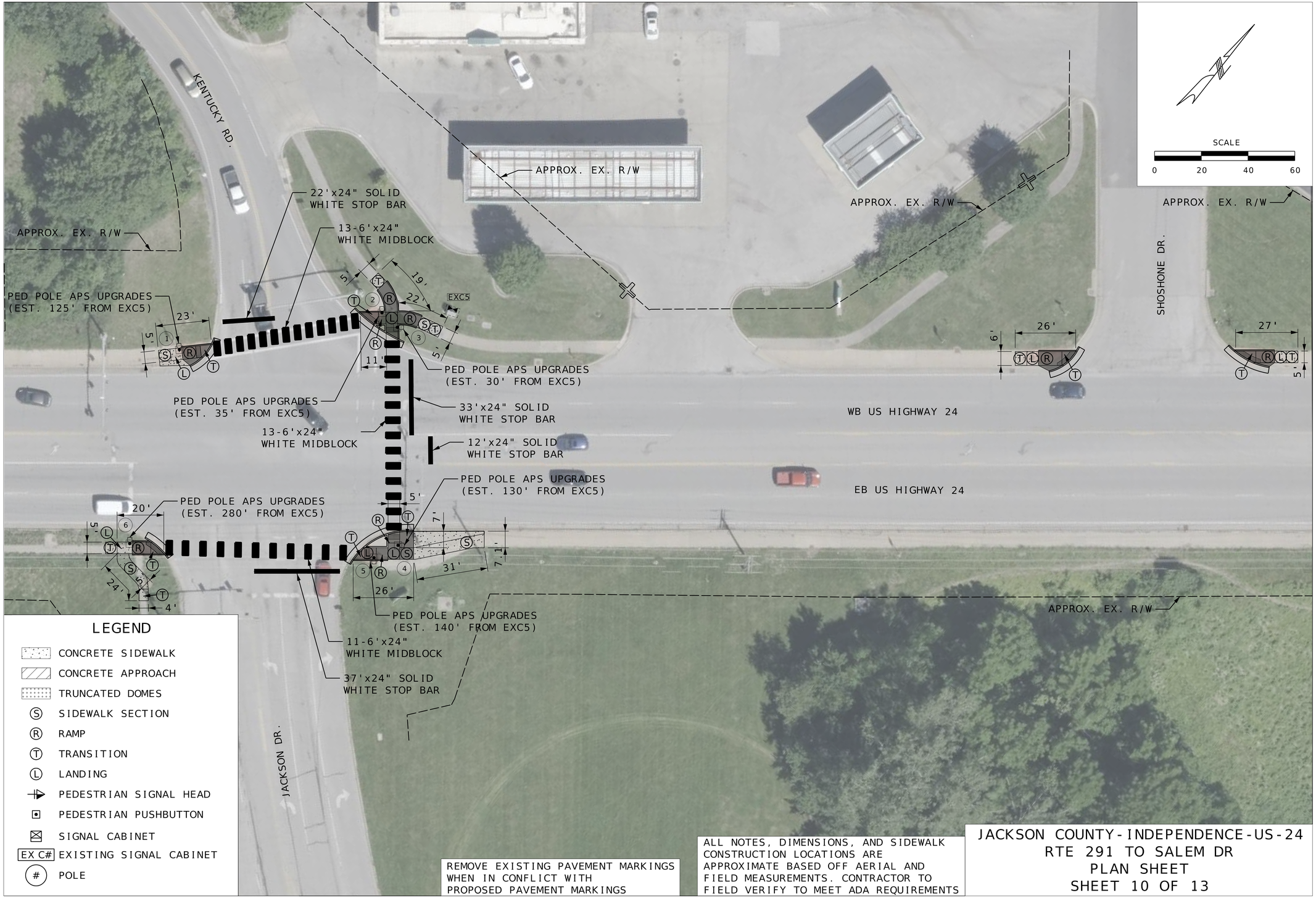
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JACKSON COUNTY - INDEPENDENCE - US - 24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 10 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
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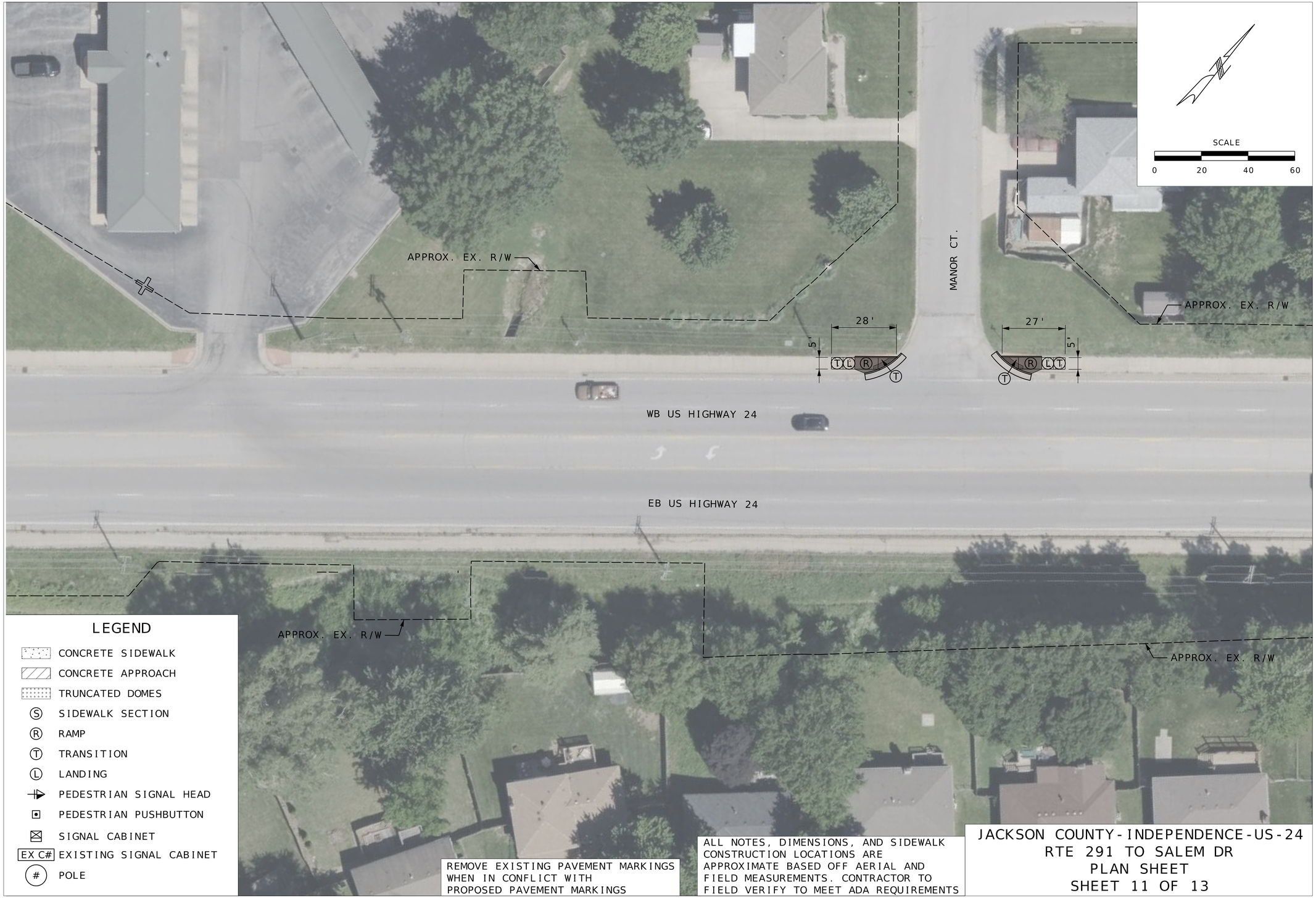
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DATE PREPARED	
12/1/2025	
ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	15
COUNTY	
JACKSON	
JOB NO.	
J4P3268G	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	
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DATE	DESCRIPTION
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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 11 OF 13

STATE OF MISSOURI
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NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	16

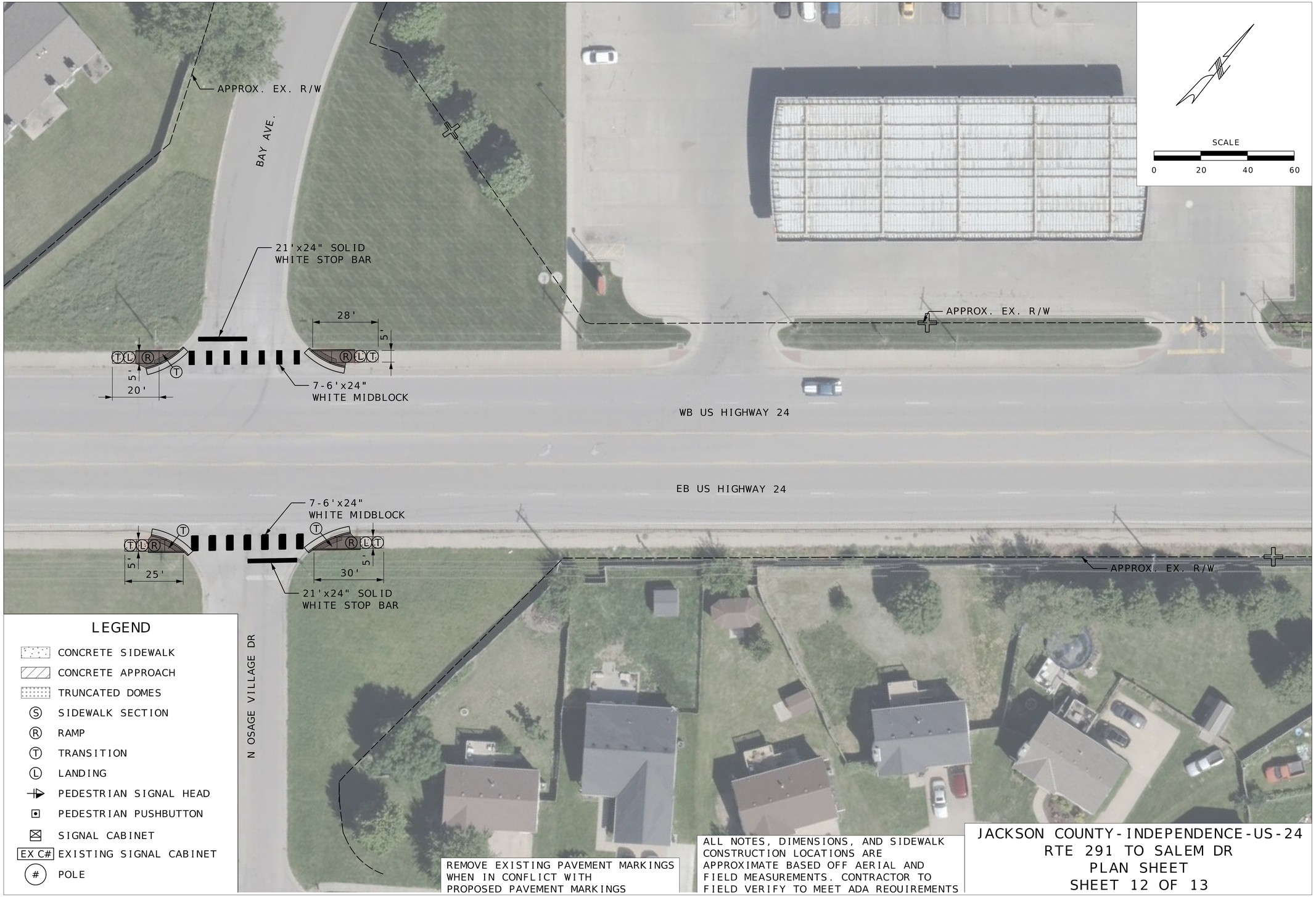
COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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

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

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599



LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- SIGNAL CABINET
- EX C# EXISTING SIGNAL CABINET
- (#) POLE

REMOVE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS

ALL NOTES, DIMENSIONS, AND SIDEWALK CONSTRUCTION LOCATIONS ARE APPROXIMATE BASED OFF AERIAL AND FIELD MEASUREMENTS. CONTRACTOR TO FIELD VERIFY TO MEET ADA REQUIREMENTS

JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 12 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO

DISTRICT	SHEET NO.
KC	17

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

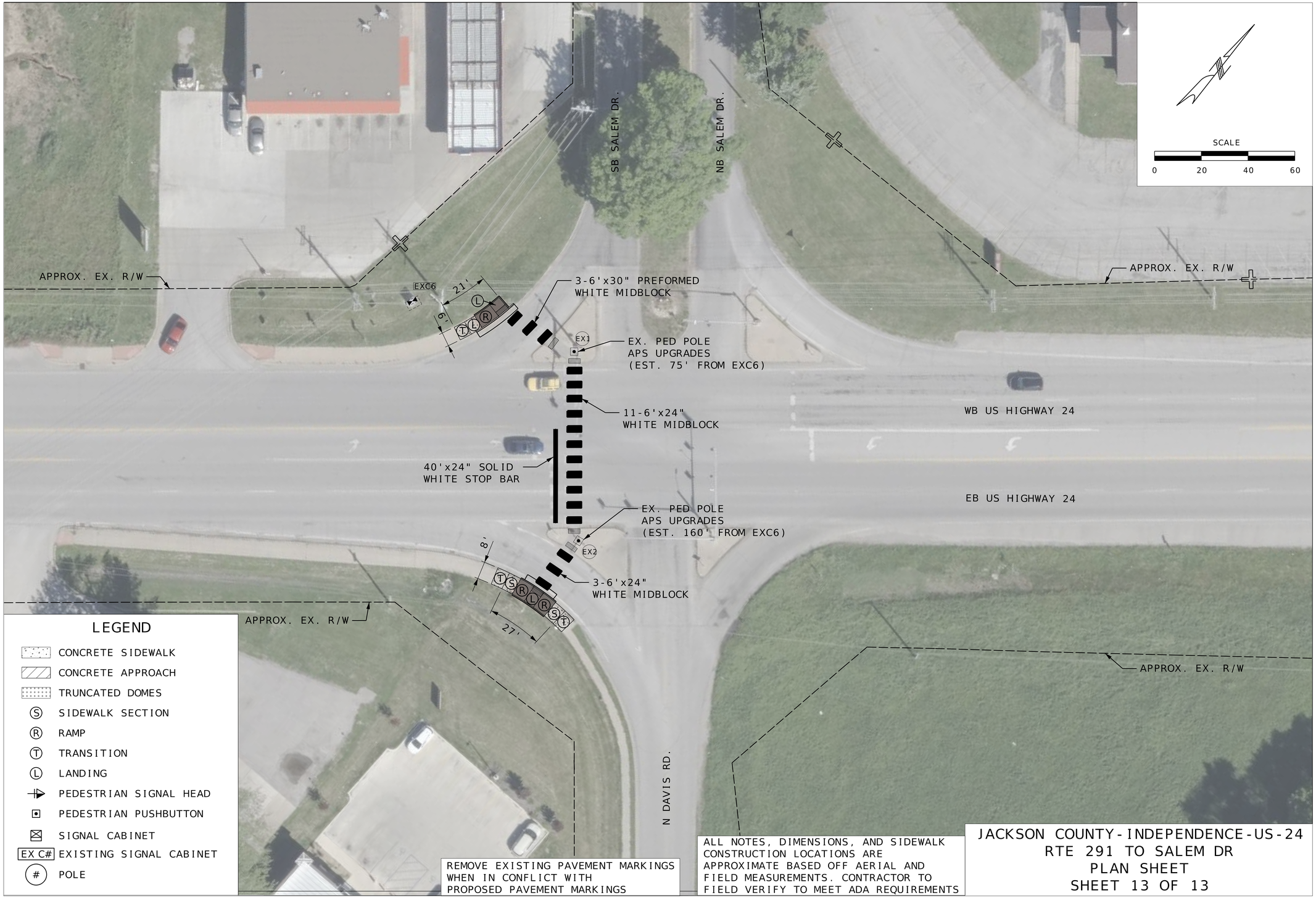
BRIDGE NO.: .

DESCRIPTION	DATE
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LEGEND

- CONCRETE SIDEWALK
- CONCRETE APPROACH
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
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JACKSON COUNTY - INDEPENDENCE - US-24
RTE 291 TO SALEM DR
PLAN SHEET
SHEET 13 OF 13

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED: 12/1/2025

ROUTE	STATE
24	MO
DISTRICT	SHEET NO.
KC	18

COUNTY: JACKSON
JOB NO.: J4P3268G
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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POST NUMBER	LOCATION CORNER	BASE TYPE C	BASE CONCRETE** (CU. YDS.)	TOP MOUNT POST 4 FT.	TOP MOUNT POST 8 FT.
LOCATION 1, RTE 12 AND ARLINGTON					
1	NORTHEAST	1	0.44	1	
2	SOUTHEAST	1	0.44	1	
3	SOUTHEAST	1	0.44	1	
LOCATION 2, RTE 24 AND DOVER DR					
1	NORTHWEST	1	0.44	1	
2	NORTHWEST	1	0.44	1	
3	NORTHEAST	1	0.44	1	
4	SOUTHEAST	1	0.44	1	
5	SOUTHWEST	1	0.44	1	
6	SOUTHWEST	1	0.44	1	
LOCATION 2, RTE 24 AND JENNINGS RD					
1	NORTHWEST	1	0.44	1	
2	SOUTHEAST	1	0.44	1	
3	SOUTHWEST	1	0.44	1	
LOCATION 2, RTE 24 AND FARVIEW DR					
1	NORTHWEST	1	0.44	1	
2	NORTHEAST	1	0.44	1	
3	SOUTHEAST	1	0.44	1	
LOCATION 2, RTE 24 AND KENTUCKY RD					
1	NORTHWEST	1	0.44	1	
2	NORTHEAST	1	0.44	1	
3	NORTHEAST	1	0.44	1	
4	SOUTHEAST	1	0.44	1	
5	SOUTHEAST	1	0.44	1	
6	SOUTHWEST	1	0.44	1	
TOTAL			9.24	21	

ACCESSIBLE PEDESTRIAN SIGNAL ASSEMBLY

POST NUMBER	PHASE	ACTUATOR "ARROW" BUTTON	ACTUATOR "DOUBLE ARROW" BUTTON	BUTTON EXTENSION	R10-3E (RIGHT)	R10-3E (LEFT)	R10-3E (MOD.)
LOCATION 1, RTE 12 AND ARLINGTON							
1		2			1	1	
2		1			1		
3		1				1	
LOCATION 2, RTE 24 AND NB RTE 291 ENTRANCE/EXIT RAMP							
EX1		1				1	
EX2		1				1	
EX3		1			1		
EX4		1				1	
EX5		1			1		
EX6		1				1	
LOCATION 2, RTE 24 AND DOVER DR							
1		1				1	
2		1			1		
3		1				1	
4		1			1		
5		1				1	
6		1			1		
LOCATION 2, RTE 24 AND JENNINGS RD							
1		1			1		
2		1			1		
3		1				1	
4		1			1		
LOCATION 2, RTE 24 AND FARVIEW DR							
1		1			1		
2		2			1	1	
3		2			1	1	
EX1		1				1	
LOCATION 2, RTE 24 AND KENTUCKY RD							
1		1			1		
2		1				1	
3		1			1		
4		1				1	
5		1			1		
6		1			1		
LOCATION 2, RTE 24 AND SALEM DR							
EX1		1				1	
EX2		1				1	
TOTAL		34			17	17	

EFFECTIVE: 10/01/2016

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

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

LEGEND

S - SIDE MOUNT

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	19

COUNTY JACKSON

JOB NO. J4P3268G

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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800 E 101st Terr., Ste. 200
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Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)								CABLE						
FROM	TO	CENTER TO CENTER DISTANCE	3" TRENCH	3" PUSHED	3" MEDIAN	3" ON STRUCTURE	REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	CONTROL 2c #16	CONTROL 5c #16	CONTROL 1c #6	REMARKS
LOCATION 1, RTE 12 AND ARLINGTON														
EXC1	3	15		20				EXC1	1	100	260		105	
EXC1	2	20		25				EXC1	2	20	30		25	
2	1	80		85				EXC1	3	15	20		20	
LOCATION 2, RTE 24 AND NB RTE 291 ENTRANCE/EXIT RAMP														
EXC1	EX4	45	10	30				EXC1	EX1	150	200		155	
EX4	EX5	15		20				EXC1	EX2	95	130		100	
EX5	EX6	40		45				EXC1	EX3	80	110		85	
EX4	EX3	35		40				EXC1	EX4	45	60		50	
EX3	EX2	15		20				EXC1	EX5	60	80		65	
EX2	EX1	55		60				EXC1	EX6	100	130		105	
LOCATION 2, RTE 24 AND DOVER DR														
EXC2	2	65	15	55				EXC2	EX1	240	315		245	
2	3	40		45				EXC2	EX2	300	390		305	
3	4	30	15	20				EXC2	1	225	395		230	
4	1	90		95				EXC2	2	65	85		70	
1	EX1	15		20				EXC2	3	105	140		110	
EX1	EX2	60		65				EXC2	4	135	180		140	
LOCATION 2, RTE 24 AND JENNINGS RD														
EXC3	2	50	30	25				EXC3	EX1	145	190		150	
2	3	80		85				EXC3	1	215	280		220	
2	EX1	95		100				EXC3	2	50	65		55	
EX1	1	70		75				EXC3	3	130	170		135	
LOCATION 2, RTE 24 AND FARVIEW DR														
EXC4	3	45	20	30				EXC4	EX1	170	225		175	
3	EX1	125	25	85	20			EXC4	1	210	275		215	
3	2	105		110				EXC4	2	150	195		155	
2	1	60		65				EXC4	3	45	60		50	
LOCATION 2, RTE 24 AND KENTUCKY RD														
EXC5	3	30	20	15				EXC5	1	130	170		135	
3	2	15		20				EXC5	2	40	55		45	
2	1	90		95				EXC5	3	30	40		35	
3	4	115	15	105				EXC5	4	115	150		120	
4	5	10		15				EXC5	5	125	160		130	
5	6	115	25	95				EXC5	6	235	310		240	
LOCATION 2, RTE 24 AND SALEM DR														
EXC6	EX1	75	25	55				EXC6	EX1	75	100		80	
EX1	EX2	125		130				EXC6	EX2	200	260		205	
TOTALS			200	1750	20			TOTALS			5210		3955	

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2021025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

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DATE PREPARED: 12/1/2025

ROUTE: VAR | STATE: MO

DISTRICT: KC | SHEET NO.: 20

COUNTY: JACKSON

JOB NO.: J4P3268G

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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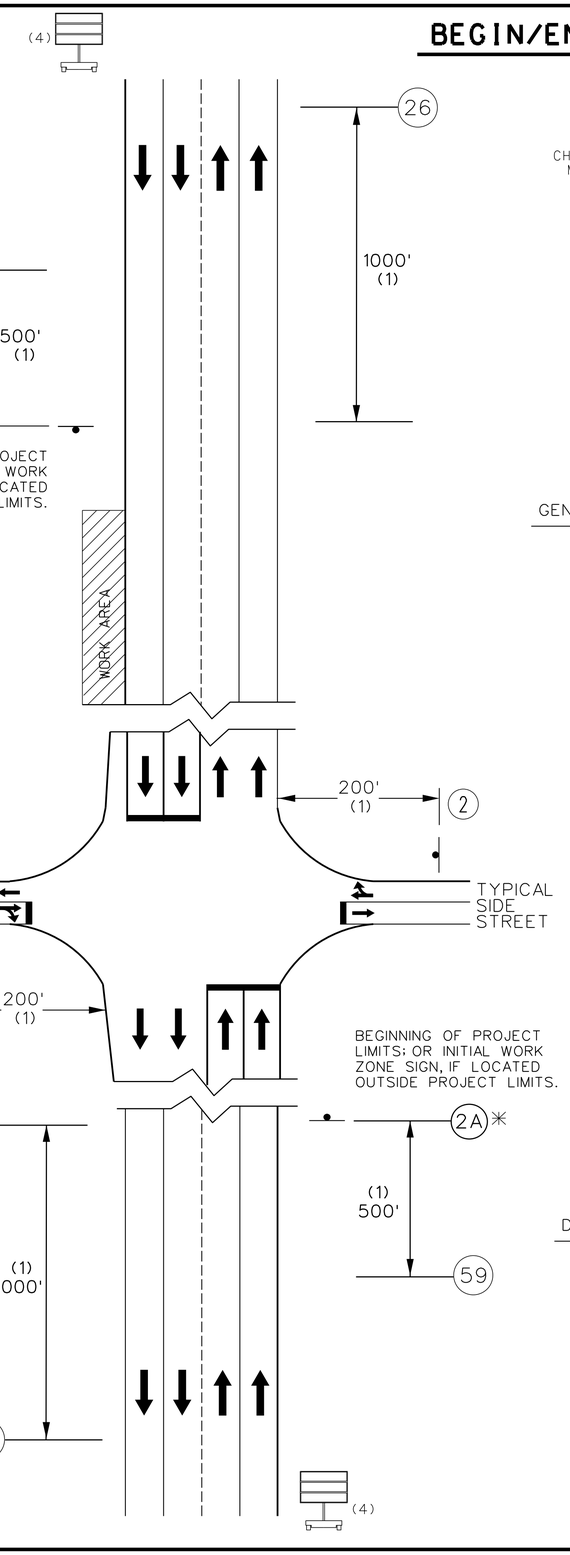
WILSON &COMPANY
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Kansas City, MO 64131
Phone (816) 701-3100
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NOT TO SCALE

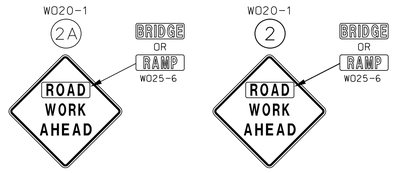
BEGIN/END OF PROJECT SIGNING

DUAL-LANE

EFFECTIVE: 06-08-2016
REVISED (ADA): 10-12-2023



CHANGEABLE MESSAGE SIGN (4)





(3)



✳ SIGN (2A) MUST BE GROUND OR SKID MOUNTED.

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

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.

DETAIL NOTES:

(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.

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

(4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

TRAFFIC CONTROL
SHEET 1 OF 3

STATE OF MISSOURI
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PROFESSIONAL ENGINEER
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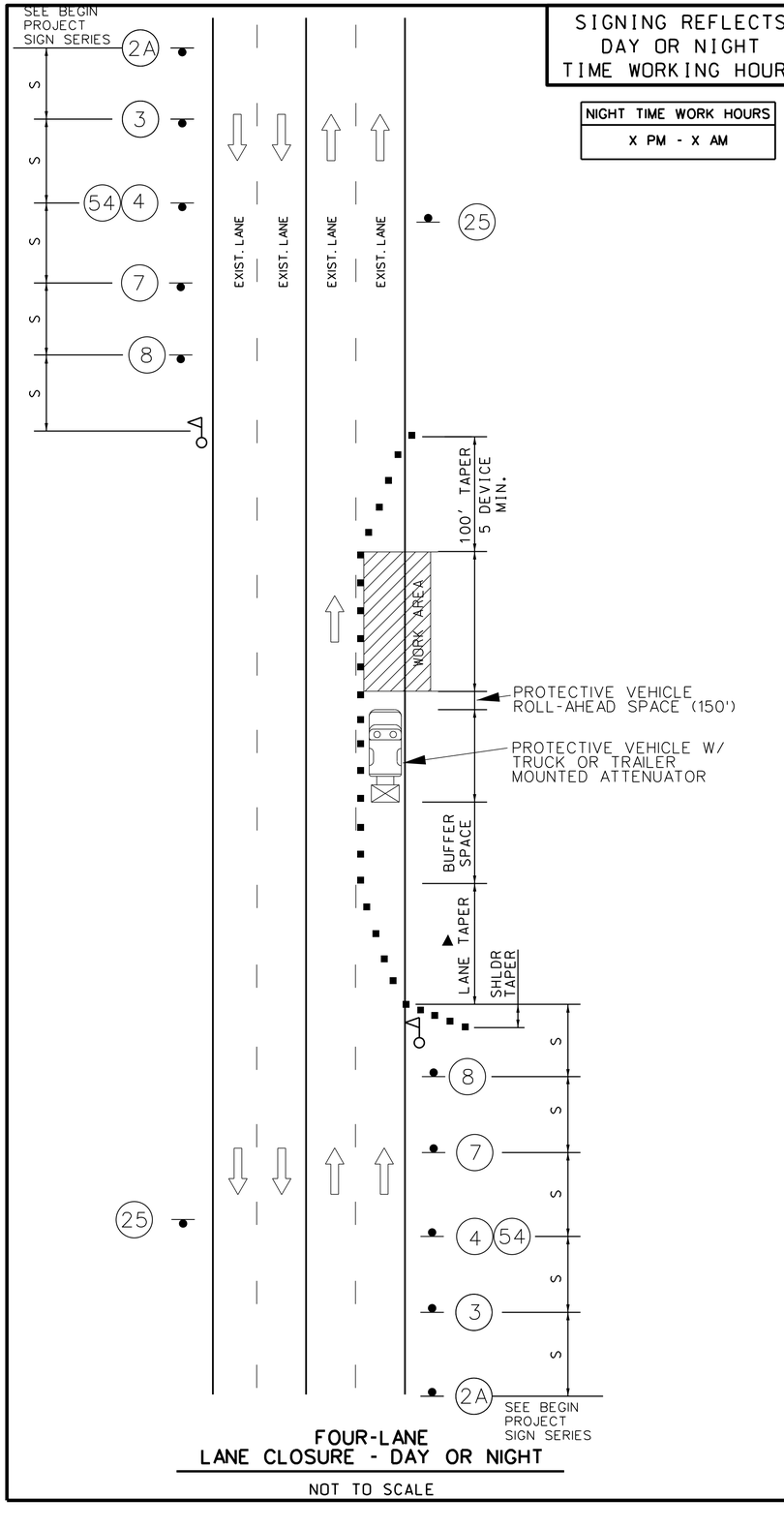
DATE PREPARED 12/1/2025
ROUTE VAR | STATE MO
DISTRICT KC | SHEET NO. 21
COUNTY JACKSON
JOB NO. J4P3268G
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
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ENGINEERS & ARCHITECTS



FOUR-LANE
LANE CLOSURE - DAY OR NIGHT

NOT TO SCALE

SIGNING REFLECTS DAY OR NIGHT TIME WORKING HOURS

NIGHT TIME WORK HOURS
X PM - X AM

BRIDGE OR RAMP



W020-1 (2)



W3-5 (3)



R2-1 (4) (REDUCED SPEED)



W020-4 (7)



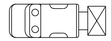
W020-7a (8)

EFFECTIVE: 06-08-2016
REVISED (ADA): 01-23-2023

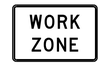
FLAGGER - AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED



CHANNELIZERS



TMA



G020-5aP (54)



R2-1 (25) (NORMAL SPEED)

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

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 CONDITONS 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.

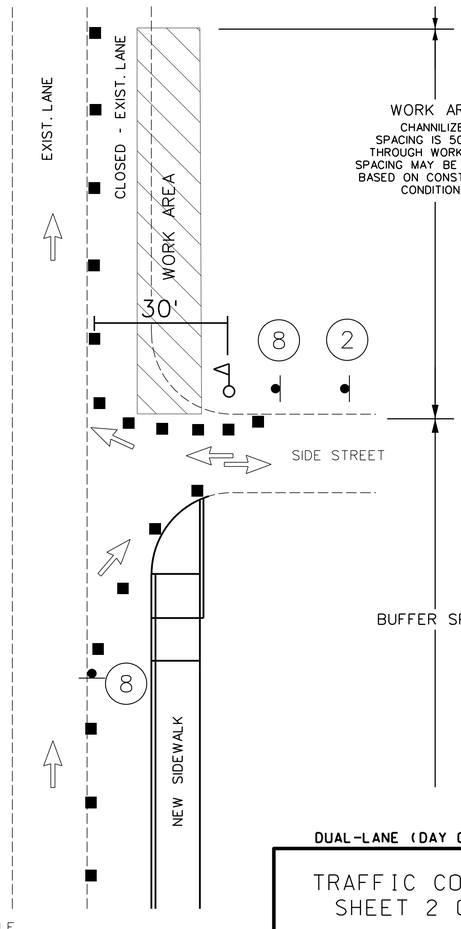
ALL SIGNS, EXCEPT "RATE OUR WORK ZONE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.

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.

SIDE STREET DETAIL



DUAL-LANE (DAY OR NIGHT)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 2 OF 3

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
NUMBER PE-2012025215
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 12/1/2025
ROUTE VAR | STATE MO
DISTRICT KC | SHEET NO. 22
COUNTY JACKSON
JOB NO. J4P3268G
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)

WILSON &COMPANY ENGINEERS & ARCHITECTS
800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of Authority #2003007599

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

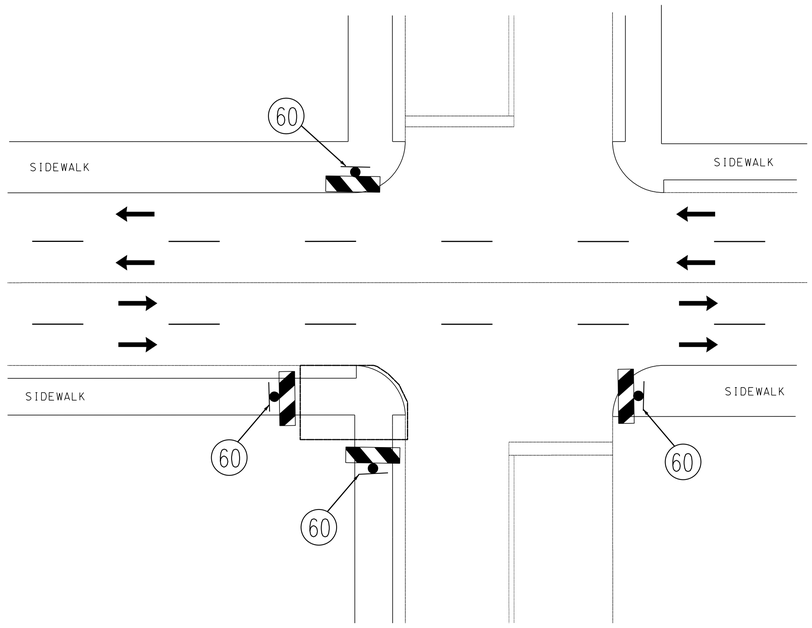
REVISED: 11-19-2018

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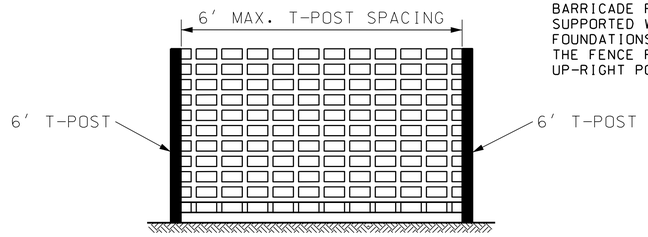
1. NO DIRECT PAYMENT WILL BE MADE FOR ORANGE SAFETY FENCE AS REQUIRED AROUND EXCAVATION OF SIDEWALK & CURB RAMP AREAS.
2. SEE JSP's FOR PEDESTRIAN TRAFFIC DEVICES.
3. WORKING AREAS SHALL BE GUARDED FROM PEDESTRIAN ACCESS BY BARRICADE FENCING 36" TO 48" IN HEIGHT WITH A GAP NO GREATER THAN 6" FROM THE GROUND AND HOLES NO GREATER THAN 4" IN ANY DIRECTION.
4. PEDESTRIAN ACCESS ON SIDEWALK SHALL BE PROVIDED WITH A WIDTH NOT LESS THAN 4' OF SMOOTH STABLE SURFACING ADJACENT TO BARRICADE FENCING FOR ACCESS TO THE MAIN BUILDING.
5. SIDEWALK RAMP CLOSURES FOR RECONSTRUCTION SHALL BE PERFORMED WITH ADA COMPLIANT MOVEABLE BARRICADES. TWO BARRICADES PER PEDESTRIAN APPROACH. ONE SIDEWALK CLOSED SIGN WILL BE PLACED UPON ONE BARRICADE FOR EACH APPROACH, NO MORE THAN ONE 5' SECTION OF SIDEWALK RAMP SHALL BE CLOSED LEADING TO THE MAIN BUILDING AT ANY TIME ADJACENT TO THE WORK AREA.

TYPICAL SIDEWALK CLOSURE

NOT TO SCALE

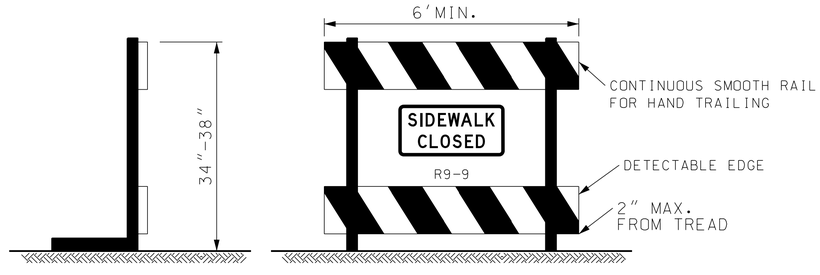


ORANGE PLASTIC SAFETY FENCE

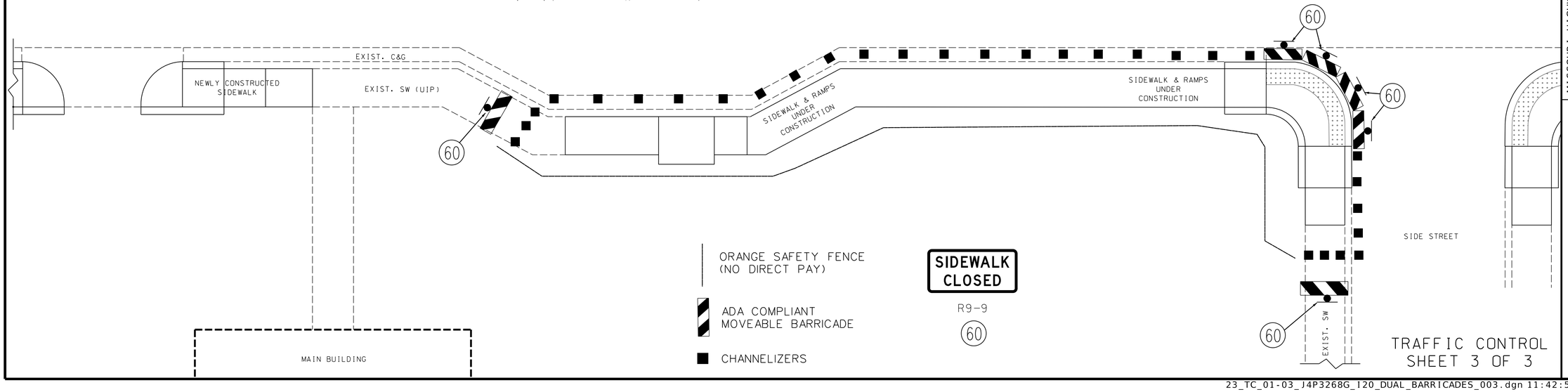


NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR BARRICADE FENCING SHALL BE SUPPORTED WITH T-POST. ADEQUATE FOUNDATIONS, AND BALLAST SO THAT THE FENCE REMAINS TAUT AND IN AN UP-RIGHT POSITION.

ADA COMPLIANT MOVEABLE BARRICADE



1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES.
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS, OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS IS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.



TRAFFIC CONTROL
SHEET 3 OF 3

STATE OF MISSOURI
MICHAEL P. STEFFENSMEIER
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PROFESSIONAL ENGINEER
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ROUTE VAR | STATE MO
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