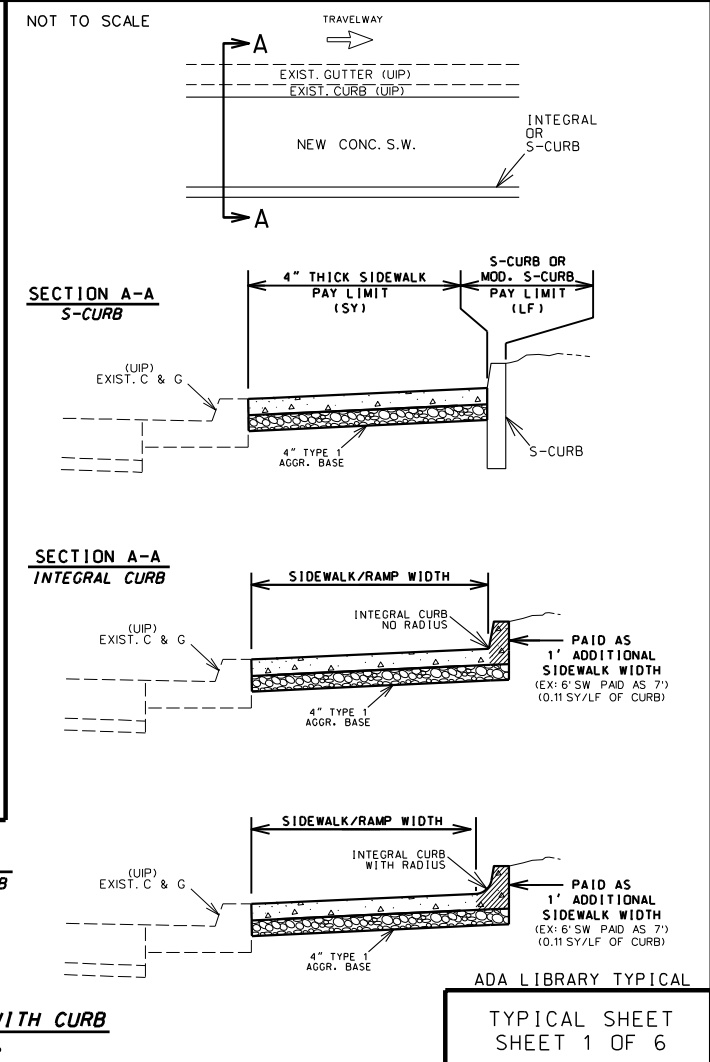
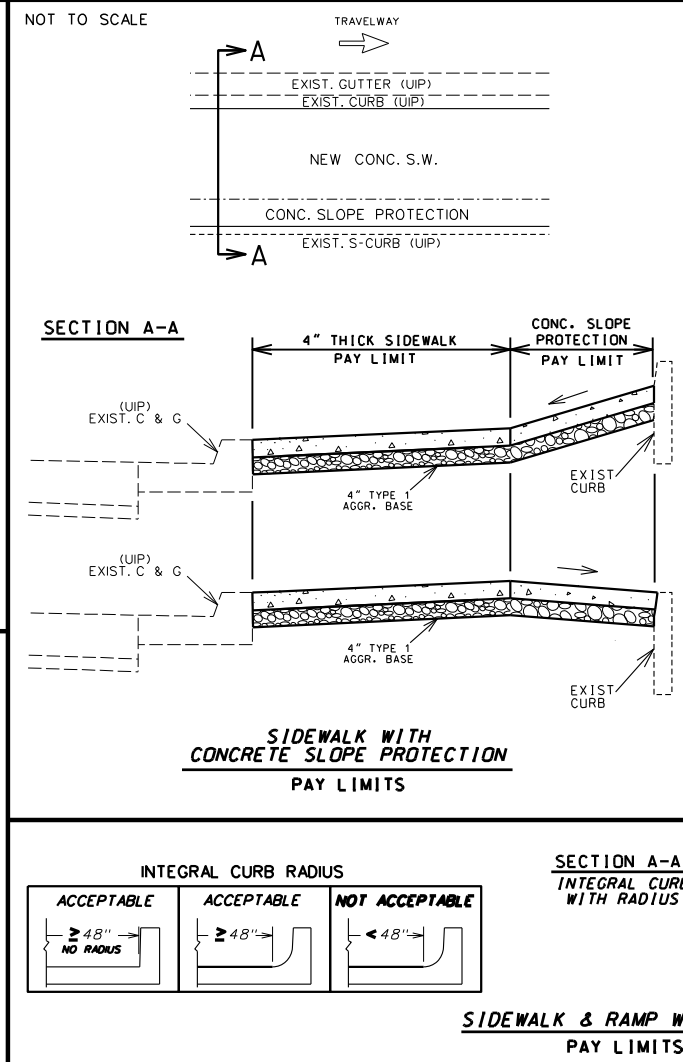
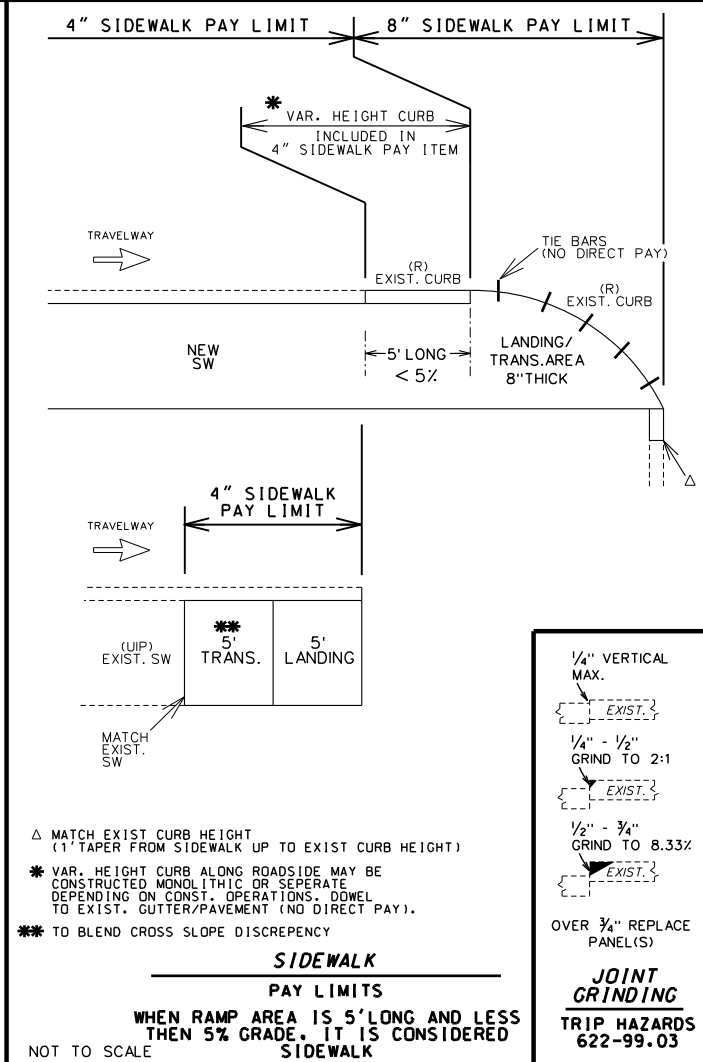
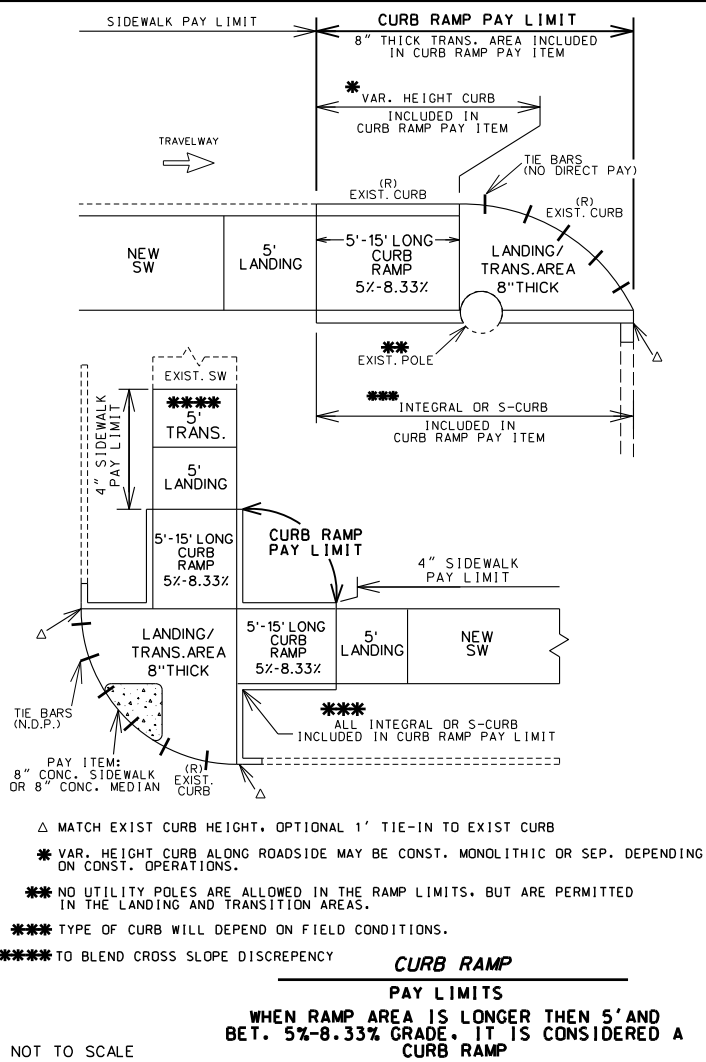
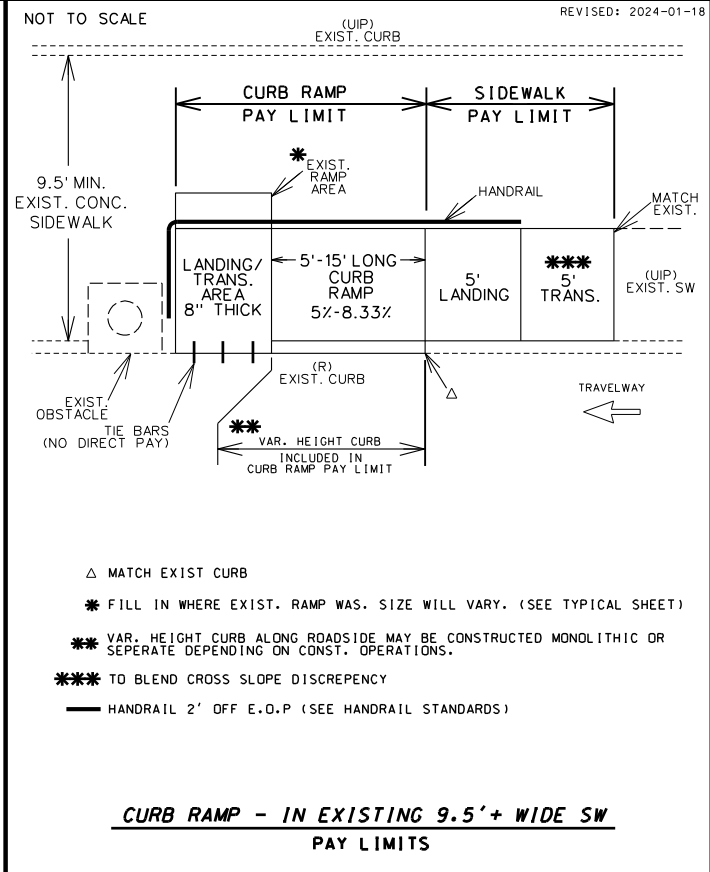
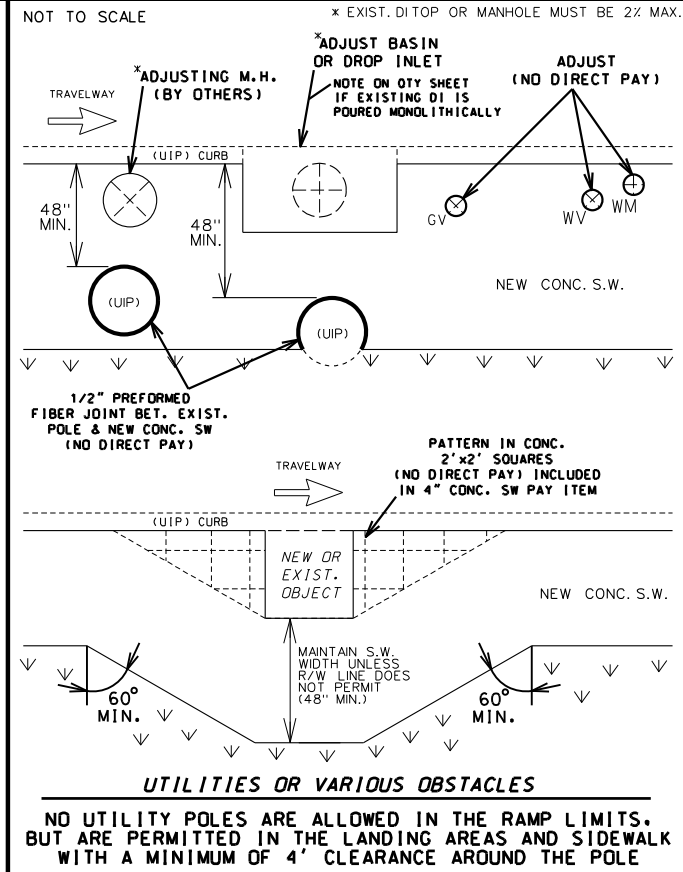


1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING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

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



STATE OF MISSOURI
WESLEY A. ONEAL
NUMBER PE-2018021231
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/15/2025

ROUTE VAR STATE MO

DISTRICT SW SHEET NO. 2

COUNTY BATES

JOB NO. J7P3511

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)

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

PERPENDICULAR - TYPE 1												
TYPE 1-A												
LENGTH (LF) WIDTH (LF)	8			12			16			REMARKS		
	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	12.8	-	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	-	13.8	16.0	-	16.4	19.1	-	18.3	22.2			
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			

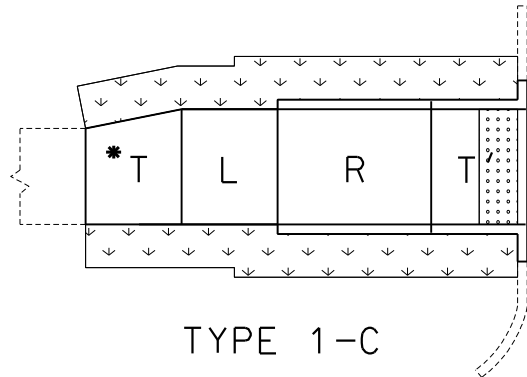
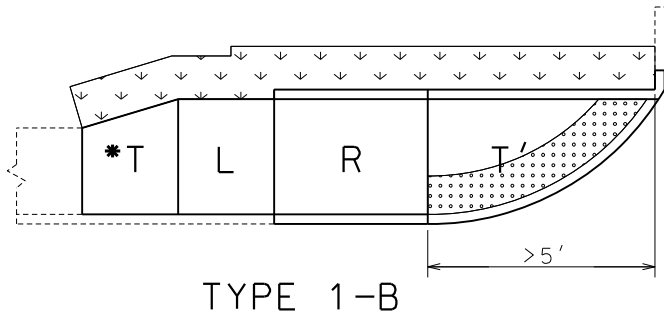
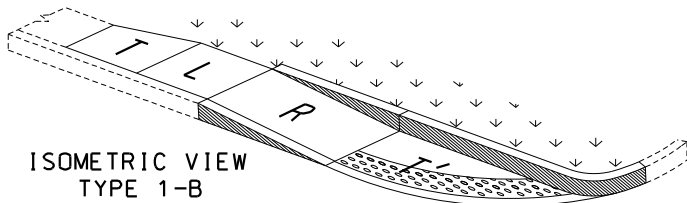
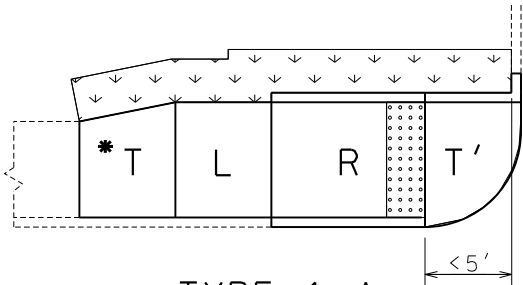
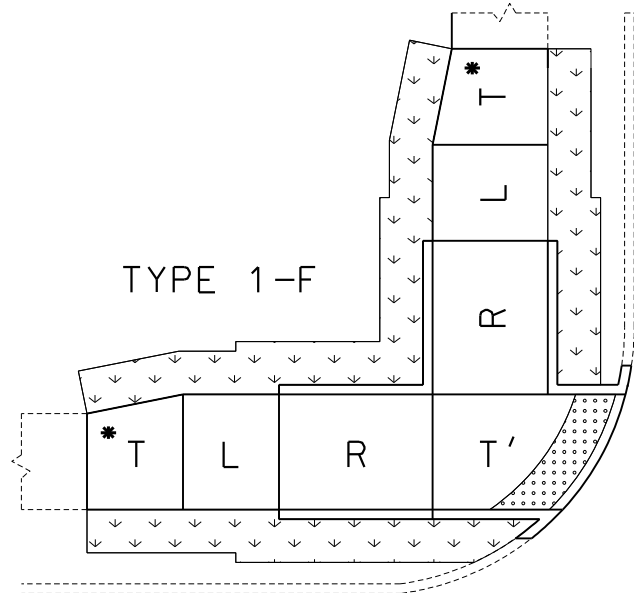
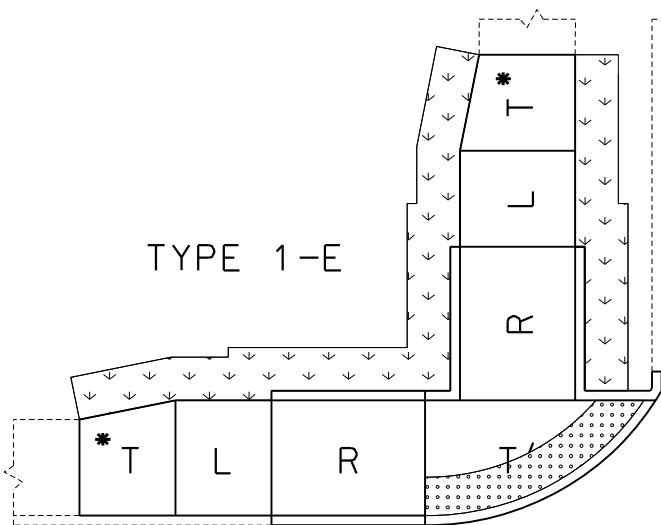
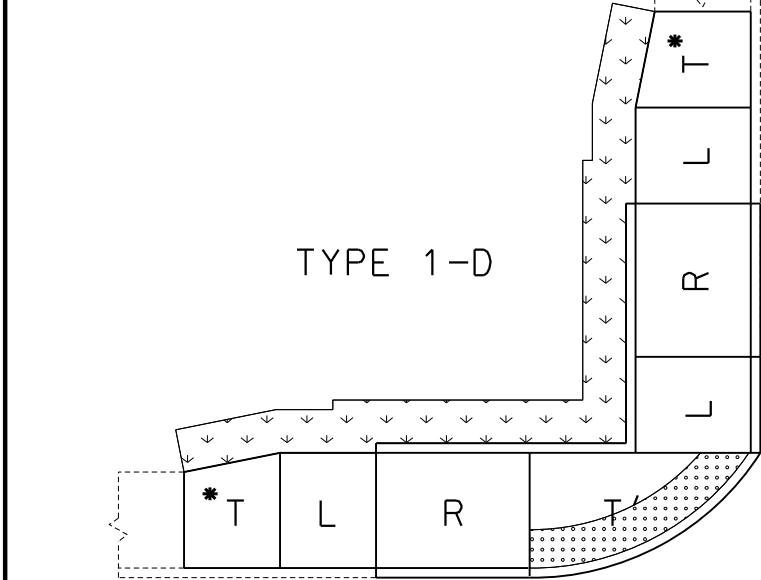
TYPE 1-B												
LENGTH (LF) WIDTH (LF)	8			12			16			REMARKS		
	4	5	6	4	5	6	4	5	6			
TRUNCATED DOMES SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0			
CURB RAMP SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3			
CONC. SIDEWALK SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7			
TYPE 1 AGGREGATE SY	-	16.5	19.4	-	19.2	22.7	-	21.1	25.0			
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) WIDTH (LF)	8			12			16			REMARKS		
	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	-	14.4	16.7	-	17.1	19.8	-	19.0	22.1			
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) WIDTH (LF)	8			12			16			REMARKS		
	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	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7			
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) WIDTH (LF)	8			12			16			REMARKS		
	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	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8			
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) WIDTH (LF)	8			12			16			REMARKS		
	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	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8			
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			



T'- IS TO BE 8" THICK
AT ALL PAVED APPROACHES
AND STREETS IF WITHIN THE
RADIUS. PAID FOR AS
CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW
OR PAVED APPROACH (LANDING
PREFERRED 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)

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.

REVISED: 2022-05-18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/15/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
SW 2

COUNTY

BATES

JOB NO.
J7P3511

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
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Authority #2003007599

WILSON & COMPANY

ENGINEERS & ARCHITECTS

ADA LIBRARY TYPICAL

TYPE 1
PERPENDICULAR
CURB RAMPS

TYPICAL SHEET
2 OF 6

PARALLEL - TYPE 2										
TYPE 2-A										
LENGTH (LF)	8			12			16			REMARKS
	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	-	14.7	17.0	-	16.7	19.4	-	19.3	22.5
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

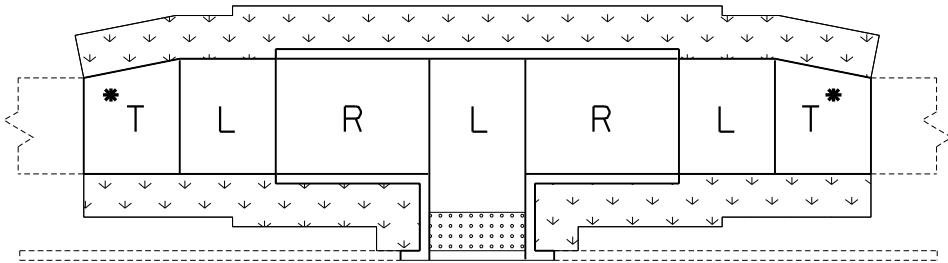
TYPE 2-B										
LENGTH (LF)	8			12			16			REMARKS
	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0
CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2
ADA LINEAR GRADING	LF	-	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
	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	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6
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

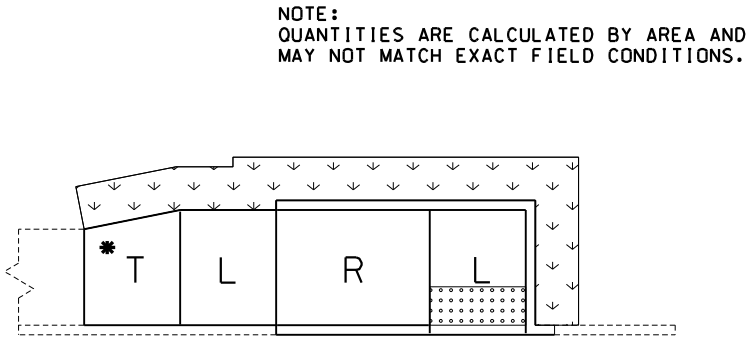
TYPE 2-D										
LENGTH (LF)	8			12			16			REMARKS
	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0
CURB RAMP	SY	-	16.8	19.2	-	22.2	25.4	-	27.5	31.6
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4
TYPE 1 AGGREGATE	SY	-	28.0	32.0	-	32.0	36.8	-	37.3	43.0
ADA LINEAR GRADING	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
	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	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3
ADA LINEAR GRADING	LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5
SODDING	SY	-	-	-	-	-	-	-	-	-
HANDRAIL	LF	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

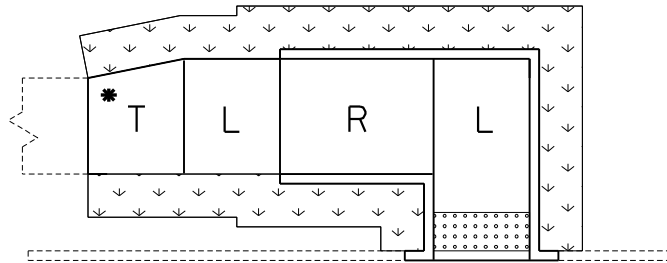
TYPE 2-F										
LENGTH (LF)	8			12			16			REMARKS
	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0
CURB RAMP	SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9
CONC. SIDEWALK	SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0
TYPE 1 AGGREGATE	SY	-	26.7	30.5	-	30.4	35.1	-	35.5	40.9
ADA LINEAR GRADING	LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0
SODDING	SY	-	-	-	-	-	-	-	-	-
HANDRAIL	LF	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH



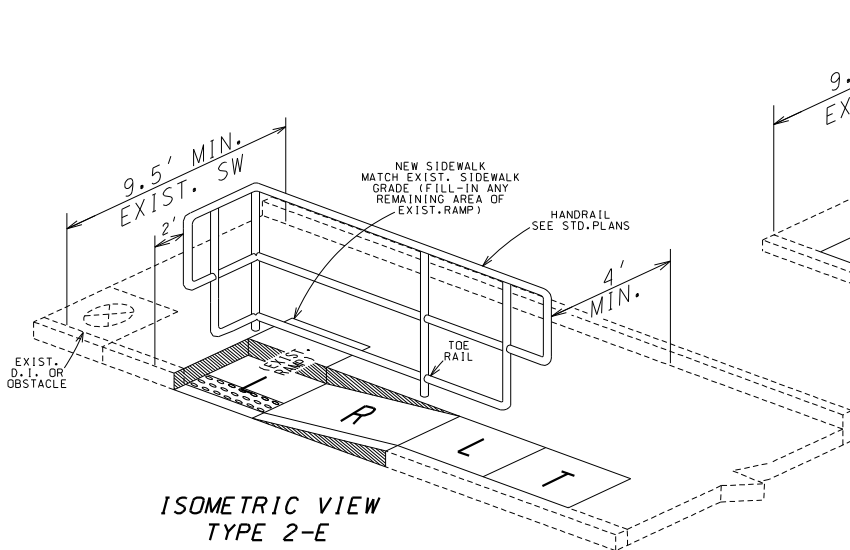
TYPE 2-D



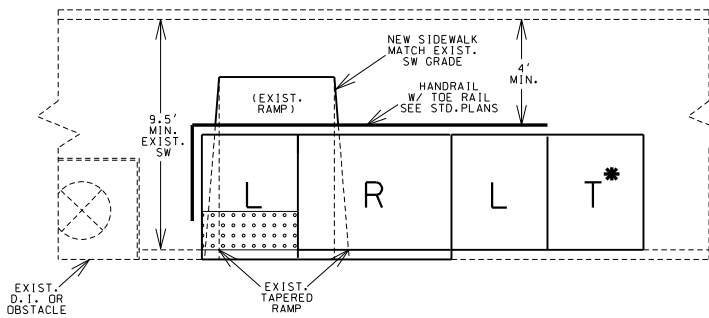
TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-E



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

** 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

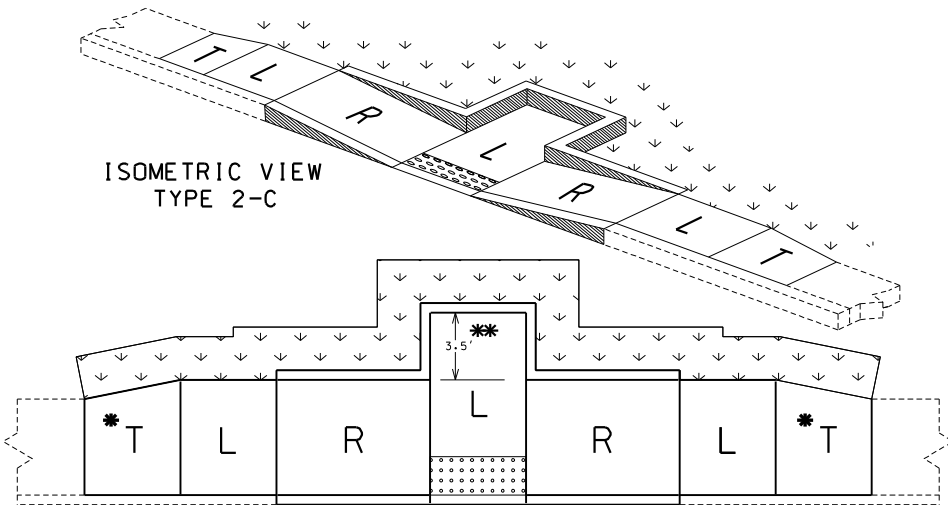
T - TRANSITION TO EXISTING SW
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

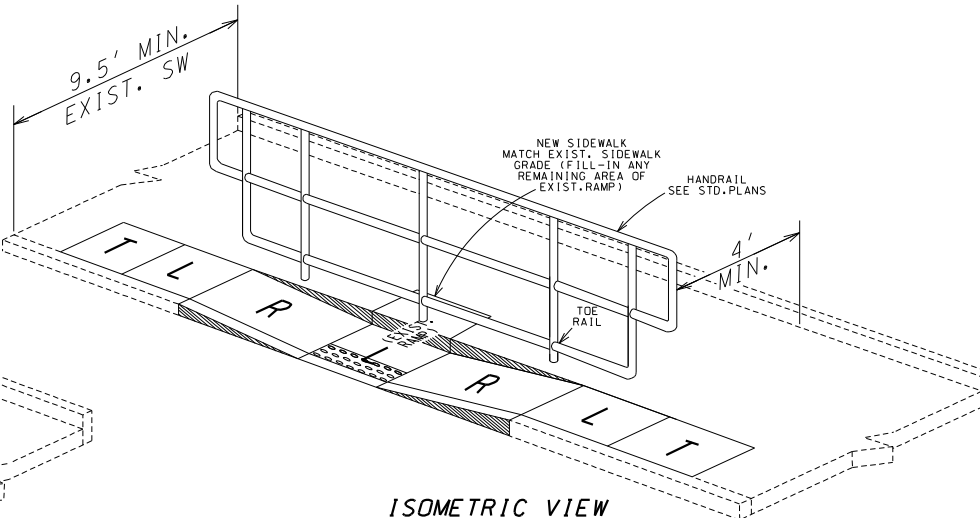
R - RAMP

----- - SOD SLOPE 6:1 MIN.

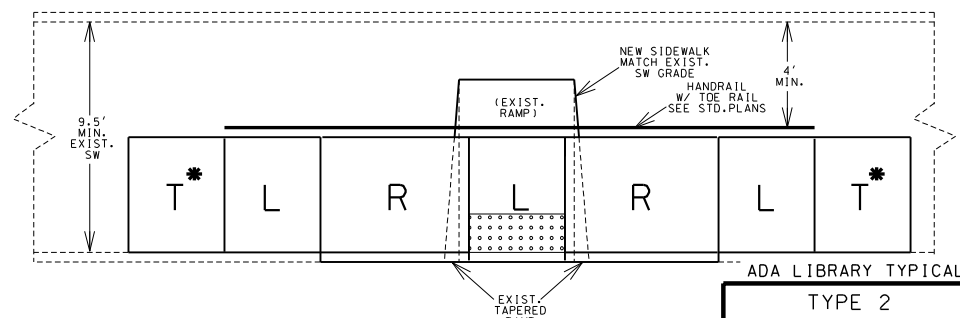
----- - CURB RAMP PAY LIMITS



TYPE 2-C



ISOMETRIC VIEW
TYPE 2-F



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL
TYPE 2
PARALLEL CURB RAMPS

TYPICAL SHEET
3 OF 6



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/15/2025

ROUTE
VAR

DISTRICT
SW

STATE
MO

SHEET NO.
2

COUNTY
BATES

JOB NO.
J7P3511

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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PARALLEL - TYPE 2 (cont'd.)										
TYPE 2-G										
LENGTH (LF)	WIDTH (LF)	8			12			16		
		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	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7
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)	WIDTH (LF)	8			12			16		
		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	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8
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

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)

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

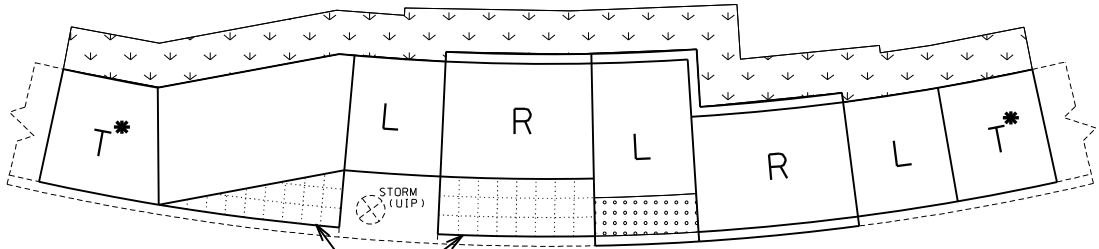
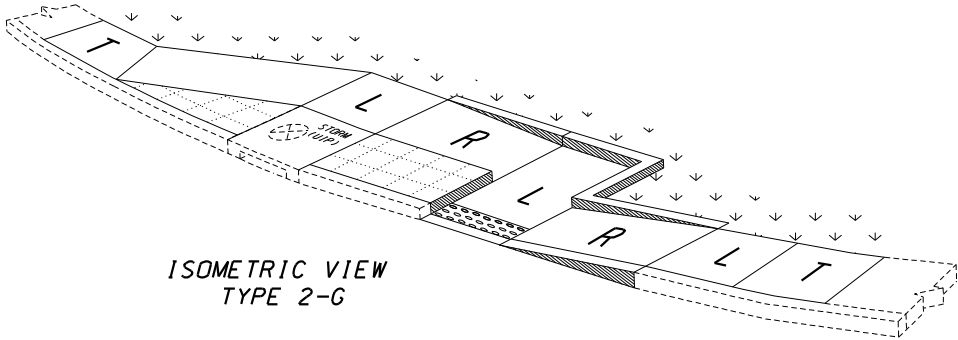


- CURB RAMP PAY LIMITS



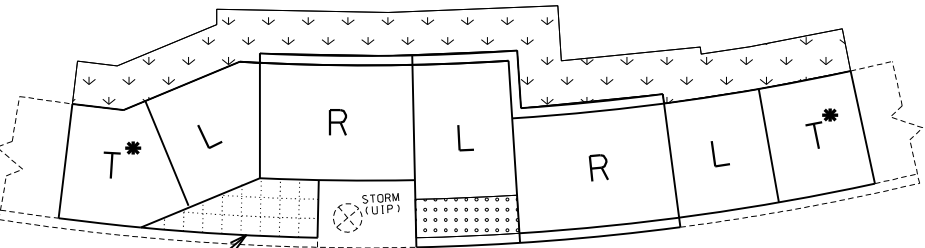
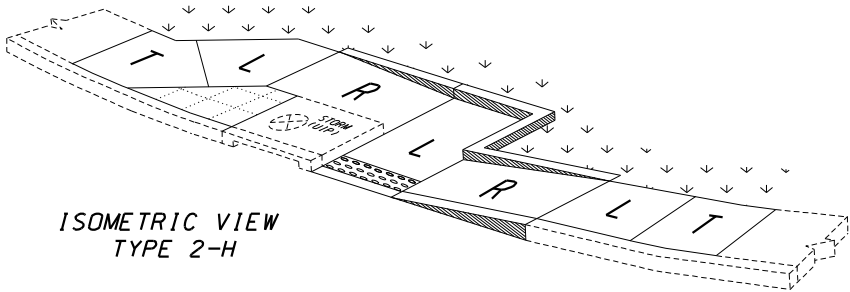
- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



PATTERN IN CONC. SW
2'x2' SQUARES
(NO DIRECT PAY)

TYPE 2-G



PATTERN IN CONC. SW
2'x2' SQUARES
(NO DIRECT PAY)

TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
4 OF 6

STATE OF MISSOURI
WESLEY A. O'NEAL
NUMBER
PE-2018021231
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

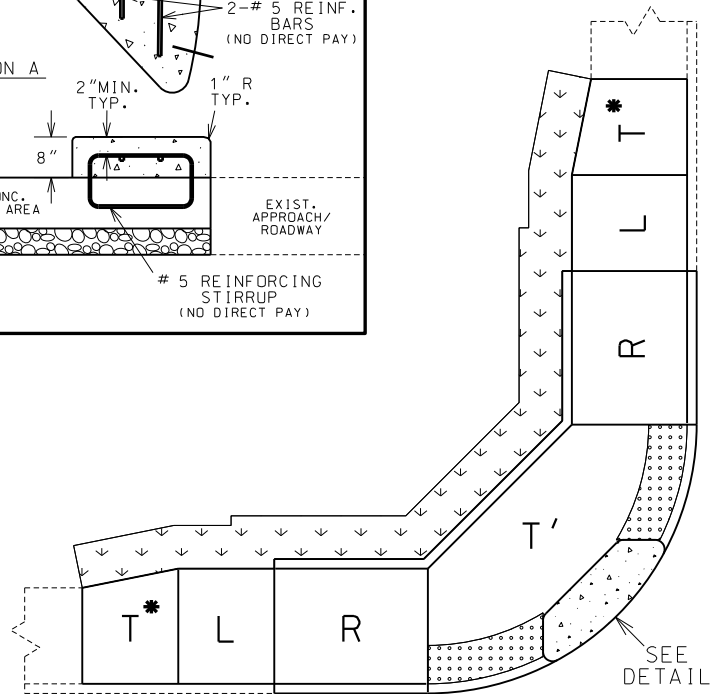
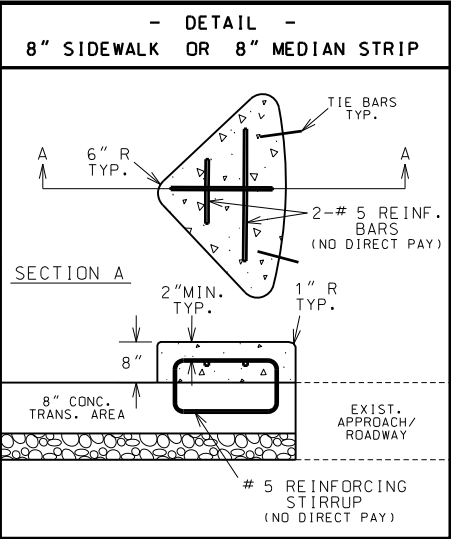
DATE PREPARED
7/15/2025
ROUTE
VAR
STATE
MO
DISTRICT
SW
SHEET NO.
2
COUNTY
BATES
JOB NO.
J7P3511
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)
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		
	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	-	35.6	39.8	-	36.7	42.6	-	42.0	48.8		
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		
	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	-	33.2	39.1	-	35.7	42.6	-	41.0	48.8		
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		
	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	-	31.9	39.6	-	34.9	42.9	-	40.2	49.1		
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		
	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	-	21.5	25.5	-	22.6	27.1	-	25.3	30.2		
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		
	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	-	25.6	30.5	-	25.0	30.8	-	27.7	33.9		
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		



T' - IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

NOTE: QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERRED 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)

L - LANDING

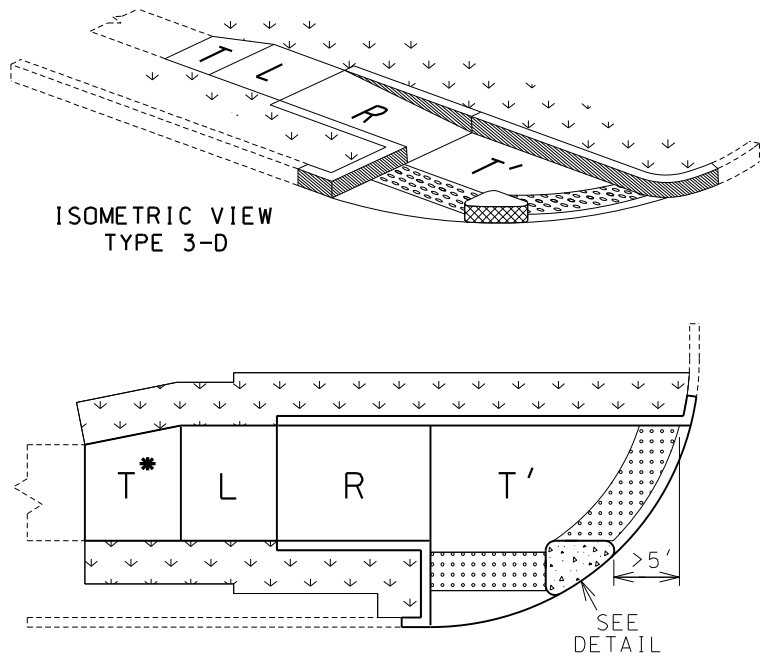
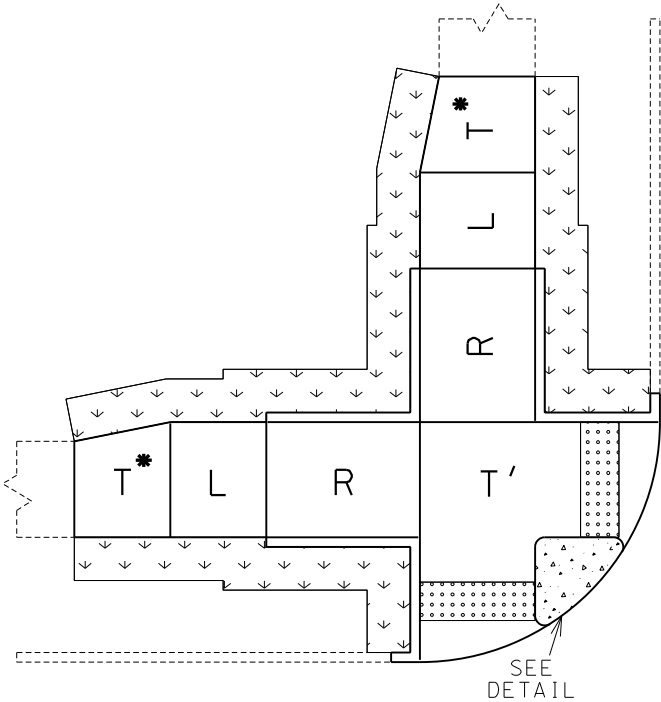
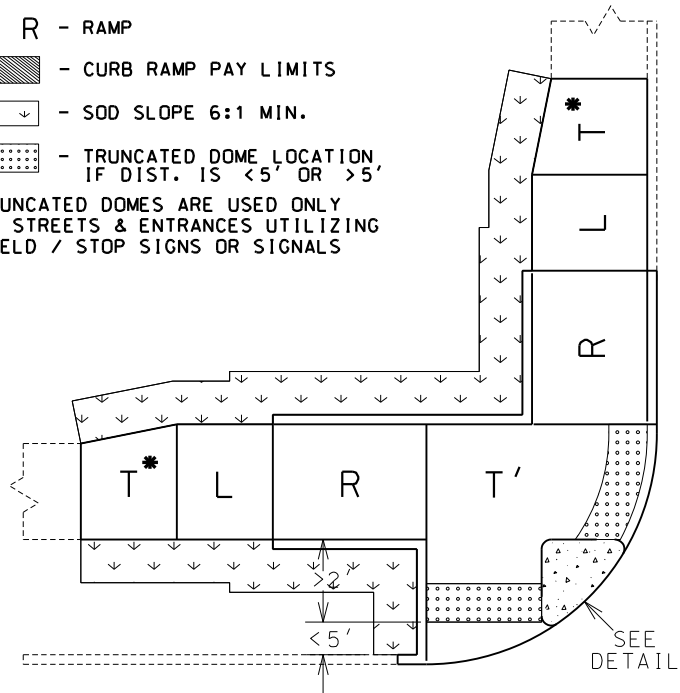
R - RAMP

- CURB RAMP PAY LIMITS

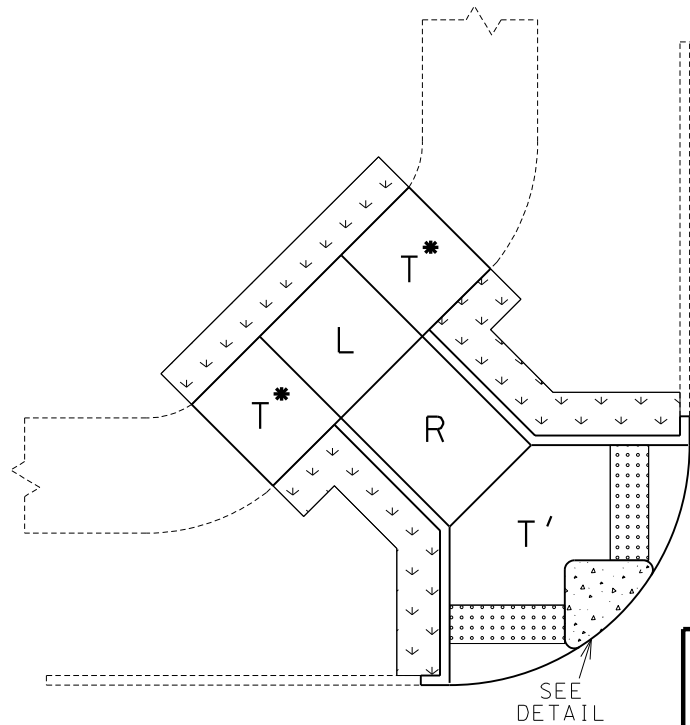
- SOD SLOPE 6:1 MIN.

- 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-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL
CURB RAMPS

TYPICAL SHEET
5 OF 6

REVISED: 2022-05-18

STATE OF MISSOURI
WESLEY A. ONEAL
NUMBER
PE-2018021231
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/15/2025

ROUTE
VAR

STATE
MO

DISTRICT
SW

SHEET NO.
2

COUNTY
BATES

JOB NO.
J7P3511

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION

DATE

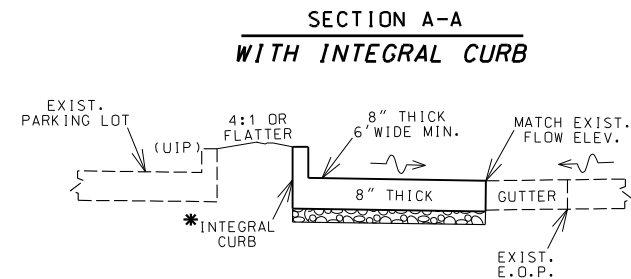
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

800 E 101st Terr., Ste. 200
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Missouri Cert. of
Authority #2003007599

WILSON
& COMPANY
ENGINEERS & ARCHITECTS

* 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**

FOR WITH
PAY ITEM.
AS 1' ADDITIONAL
SIDEWALK PAID AS 7')

VAR. LENGTH - 8" THICK SW

1' MIN.

EXIST. CURB (UIP)

1' R MIN. (TYP.)

6.5' MIN. EOP

* 6" MIN. INTEGRAL CURB OR S-CURB

RELOCATE EXIST. STOP SIGN ONTO NEW POST

MATCH EXIST. ENT. GRADE

E.O.P.

SAWCUT

MATCH EXIST. FLOW ELEV.

TIE BARS

6' WIDE TRUNC DOME

SAWCUT

E.O.P.

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

* 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)

X-SLOPE 2% MAX. CONSTRUCT TO DRAIN

(UIP)

SAWCUT

* INTEGRAL CURB

REMOVE EXIST.

* INTEGRAL CURB

* INTEGRAL CURB

SAWCUT

CREATE ACCESS TO EXIST. OR FUTURE PED. PUSH BUTTON

(UIP)

DETAIL

ACCESS FOR PED. PUSH BUTTON

2' MIN. CLEARANCE

2' MIN. CLEARANCE

(UIP)

Diagram illustrating a proposed road improvement project. The plan shows two (UIP) ISLANDS separated by a 6' WIDE (5' MIN.) section. Sawcuts are indicated at the boundaries of the islands. A note specifies to UTILIZE EXIST. PAVEMENT ELEVATION.

* INTEGRAL CURB

(UIP)

ISLAND

4" THICK

6' WIDE (5' MIN.)

* INTEGRAL CURB

(UIP)

ISLAND

PVMNT.

PVMNT.

* 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)

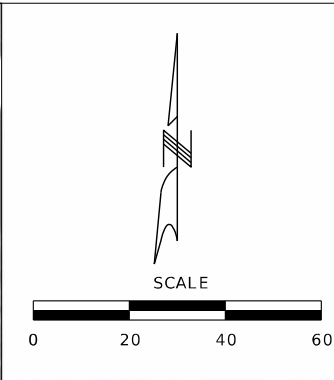
TYPICAL SHEET
6 OF 6

S1-1

W16-7P
7 8

S1-1

W-16-9P
9 10



LEGEND

CONCRETE SIDEWALK

TRUNCATED DOMES

SIDEWALK SECTION

RAMP

TRANSITION

LANDING

BATES COUNTY-BUTLER
PLAN SHEET
SHEET 3 OF 4

DATE PREPARED
7/15/2025

ROUTE
VAR

DISTRICT
SW

STATE
MO

SHEET NO.
6

COUNTY
BATES

JOB NO.
J7P3511

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

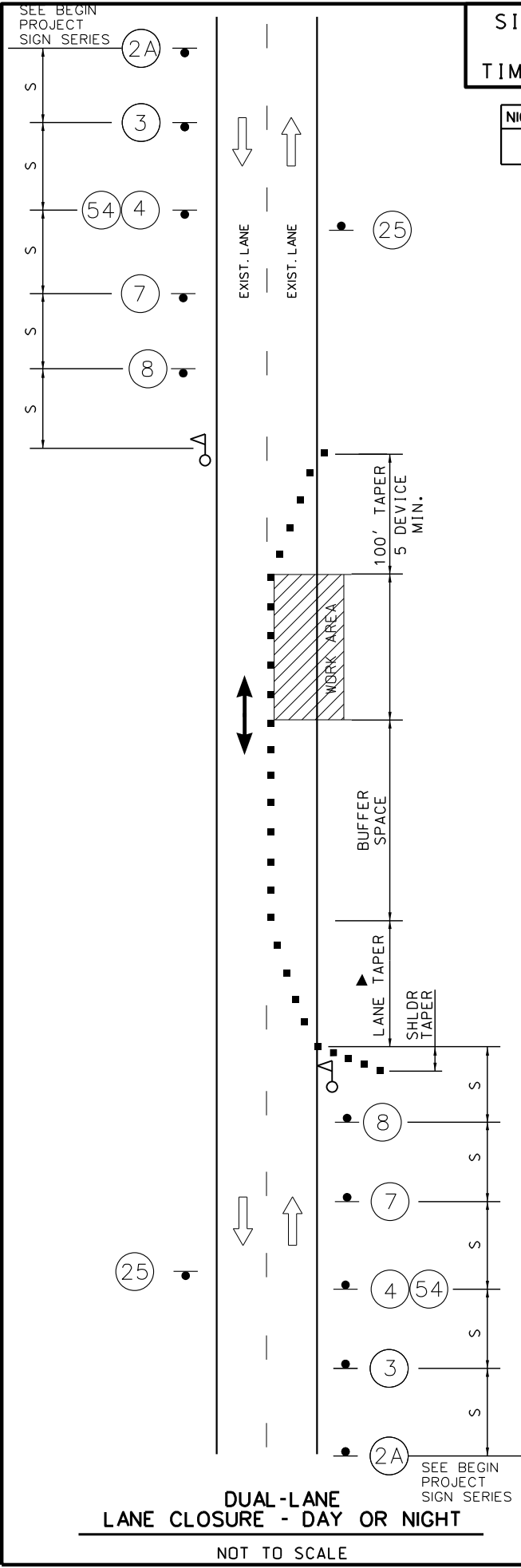
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013

Missouri Cert. of
Authority #2003007599

ENGINEERS & ARCHITECTS



**SIGNING REFLECTS
DAY OR NIGHT
TIME WORKING HOURS**

NIGHT TIME WORK HOURS
X PM - X AM

Speed Limit ¹ , mph	Taper Length ² , ft.		Channelizing Spacing ³ , ft.	
	Shoulder ⁴ (T1)	Lane ⁵ (T2)	Tapers	Buffer/Work Areas
up to 35	70	245	35 ⁶	40 ⁶
40 to 45	150	540	40 ⁶	80 ⁶
50 to 55	185	660	50 ⁷	80 ⁷
60 to 70	235	840	60 ⁷	120 ⁷

¹ Speed limit is based on posted speed limit.

² Taper lengths may be adjusted to accommodate crossroads, curves, intersections, ramps or other geometric features.

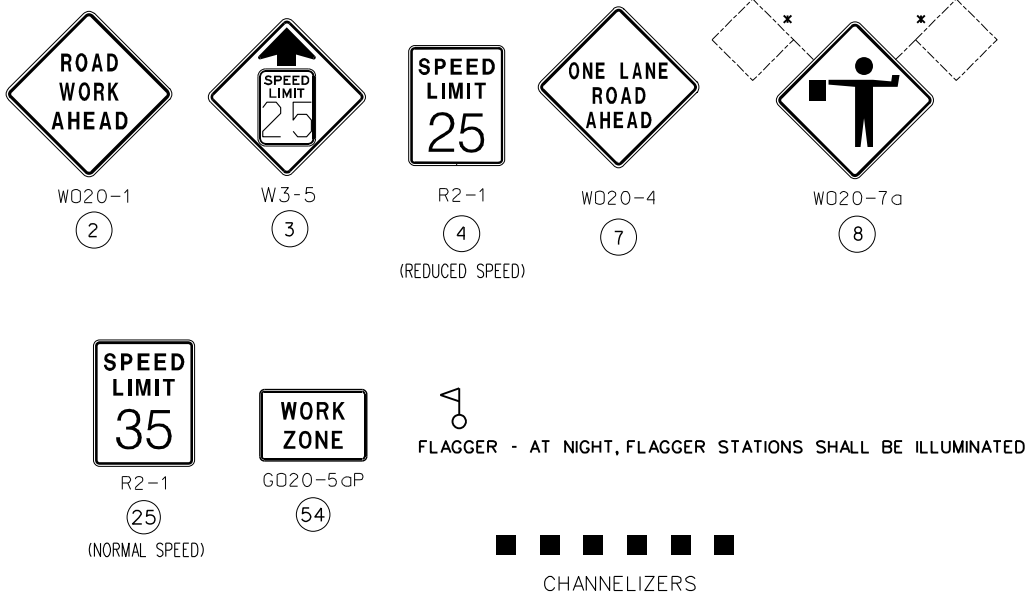
³ Channelizer spacing may be reduced to discourage traffic encroachment.

⁴ Based on 10 ft. shoulder width.

⁵ Based on 12 ft. lane width.

⁶ Spacing reduced to 1/2 at intersections.

⁷ Spacing may be reduced to 1/2 at intersections.



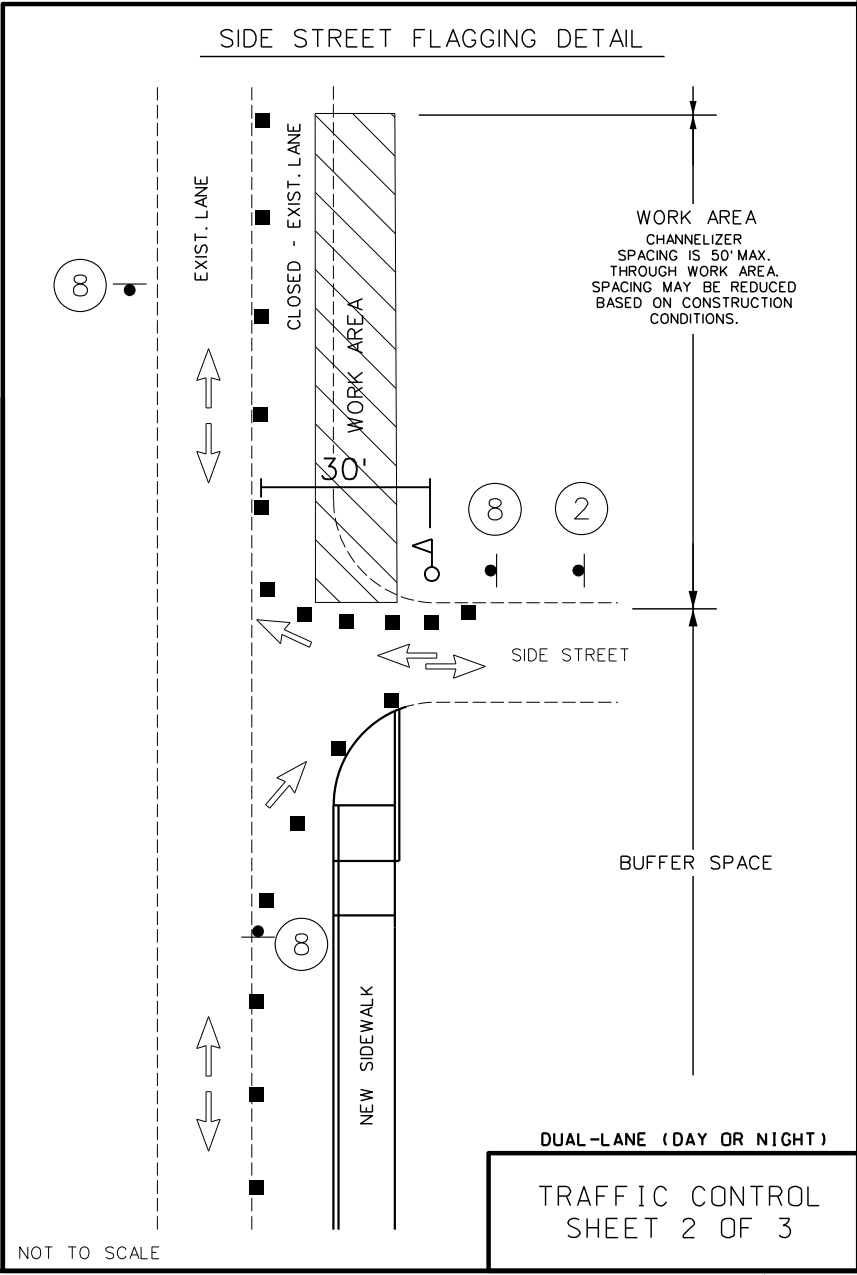
Speed Limit ¹ , mph	Sign Spacing ² , ft.	
	Undivided Highway	Divided Highway
up to 35	200 ³	200 ³
40 to 45	350	500
50 to 55	500	1000
60 to 70	1000	SA-1000 SB-1500 SC-2640

¹ Speed limit is based on posted speed limit.

² Sign spacing may be adjusted, normally by increasing it, to accommodate field conditions and visibility.

³ For urban low speed, minimum recommended spacing in MUTCD is 100 ft.

* 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 CONDITIONS AS APPROVED BY THE ENGINEER.
- FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE-HALF OF THE SPACING SHOWN IN TABLE.
- SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- ALL SIGNS, EXCEPT "RATE OUR WORK ZONE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
- WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.
- LAYOUT IS TYPICAL FOR EITHER DIRECTION. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER. SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.
- THE MAX. CHANNELIZER SPACING WITHIN THE WORK ZONE AREA MAY BE REDUCED BASED ON CONSTRUCTION CONDITIONS, AS APPROVED BY ENGINEER.

STATE OF MISSOURI
WESLEY A. ONEAL
NUMBER PE-2018021231
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/15/2025

ROUTE
VAR

STATE
MO

DISTRICT
SW

SHEET NO.
9

COUNTY
BATES

JOB NO.
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CONTRACT ID.
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DESCRIPTION

DATE

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COMMISSION

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Authority #2003007599

**WILSON
& COMPANY**
ENGINEERS & ARCHITECTS

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.

Diagram illustrating the structure of an Orange Plastic Safety Fence. The fence is composed of a grid of plastic panels supported by T-posts. The maximum T-post spacing is 6 feet. The fence is supported by a foundation, and the T-posts are 6 feet high. The diagram also shows the fence being supported by a foundation, and the T-posts are 6 feet high.

ORANGE PLASTIC SAFETY FENCE

6' MAX. T-POST SPACING

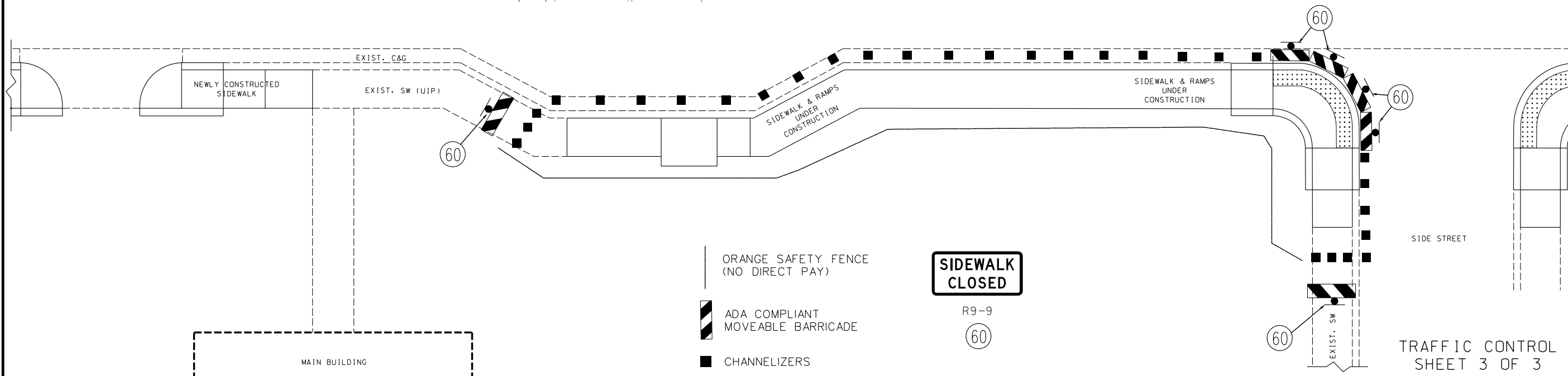
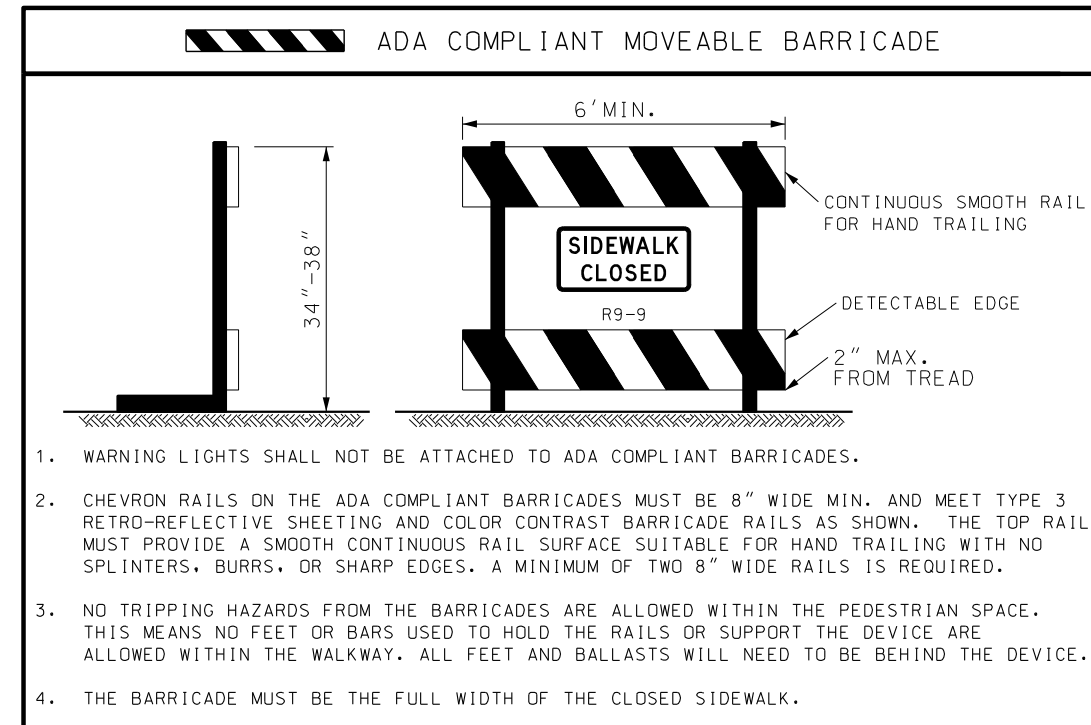
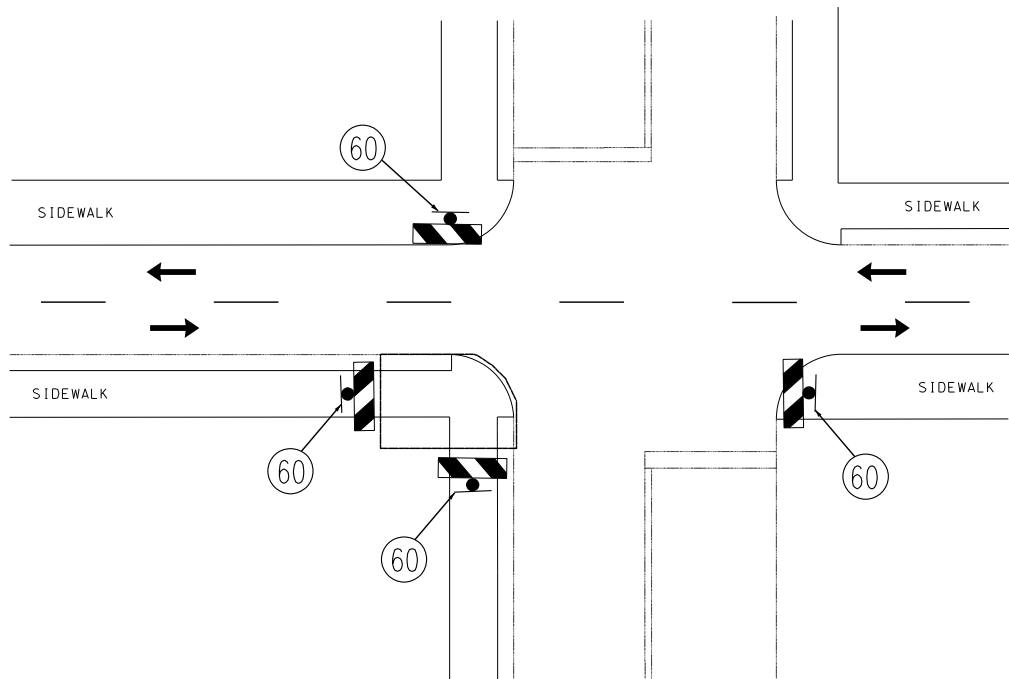
6' T-POST

6' T-POST

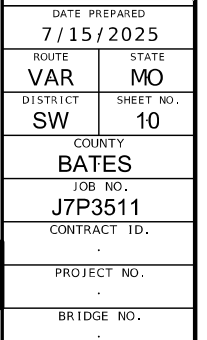
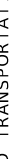
NO DIRECT PLASTIC SAFETY BARRICADE SUPPORTED FOUNDATION THE FENCE UP-RIGHT

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.

NOT TO SCALE



TRAFFIC CONTROL
SHEET 3 OF 3

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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WILSON
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Authority #2003007599

NOTES:
1.) ALL TRAFFIC SIGNAL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE MISSOURI STANDARDS SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SECTION 902 "TRAFFIC SIGNALS", UNLESS OTHERWISE NOTED.

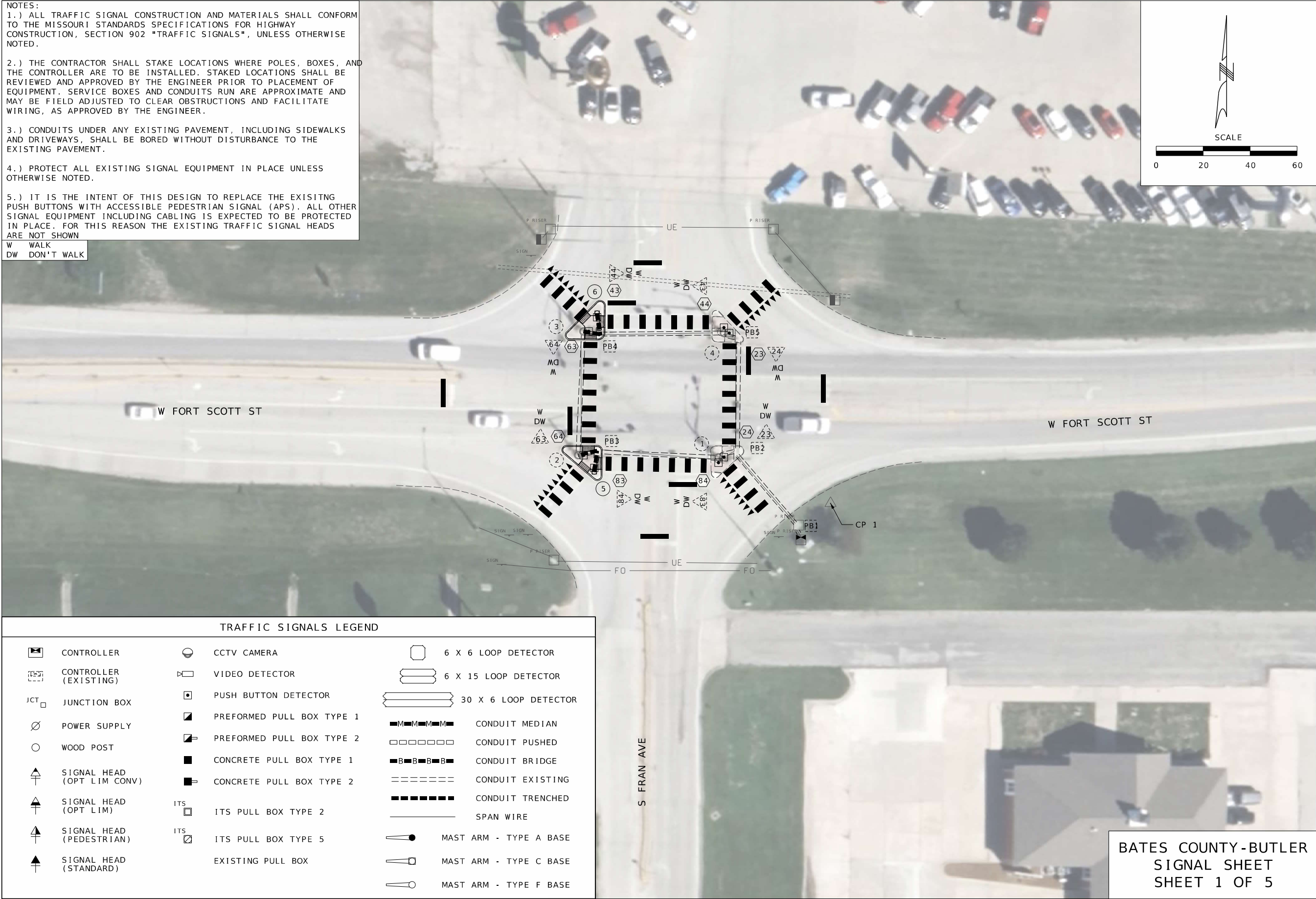
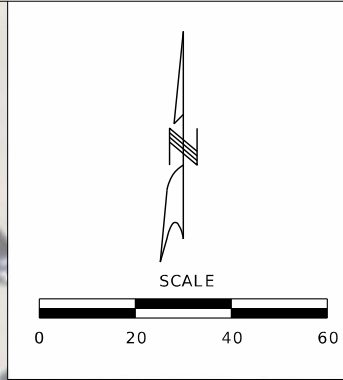
2.) THE CONTRACTOR SHALL STAKE LOCATIONS WHERE POLES, BOXES, AND THE CONTROLLER ARE TO BE INSTALLED. STAKED LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF EQUIPMENT. SERVICE BOXES AND CONDUITS RUN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO CLEAR OBSTRUCTIONS AND FACILITATE WIRING, AS APPROVED BY THE ENGINEER.

3.) CONDUITS UNDER ANY EXISTING PAVEMENT, INCLUDING SIDEWALKS AND DRIVEWAYS, SHALL BE BORED WITHOUT DISTURBANCE TO THE EXISTING PAVEMENT.

4.) PROTECT ALL EXISTING SIGNAL EQUIPMENT IN PLACE UNLESS OTHERWISE NOTED.

5.) IT IS THE INTENT OF THIS DESIGN TO REPLACE THE EXISTING PUSH BUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS). ALL OTHER SIGNAL EQUIPMENT INCLUDING CABLING IS EXPECTED TO BE PROTECTED IN PLACE. FOR THIS REASON THE EXISTING TRAFFIC SIGNAL HEADS ARE NOT SHOWN

W WALK
DW DON'T WALK



TRAFFIC SIGNALS LEGEND

	CONTROLLER		CCTV CAMERA		6 X 6 LOOP DETECTOR
	CONTROLLER (EXISTING)		VIDEO DETECTOR		6 X 15 LOOP DETECTOR
	JUNCTION BOX		PUSH BUTTON DETECTOR		30 X 6 LOOP DETECTOR
	POWER SUPPLY		PREFORMED PULL BOX TYPE 1		CONDUIT MEDIAN
	WOOD POST		PREFORMED PULL BOX TYPE 2		CONDUIT PUSHED
	SIGNAL HEAD (OPT LIM CONV)		CONCRETE PULL BOX TYPE 1		CONDUIT BRIDGE
	SIGNAL HEAD (OPT LIM)		CONCRETE PULL BOX TYPE 2		CONDUIT EXISTING
	SIGNAL HEAD (PEDESTRIAN)		ITS PULL BOX TYPE 2		CONDUIT TRENCHED
	SIGNAL HEAD (STANDARD)		ITS PULL BOX TYPE 5		SPAN WIRE
			EXISTING PULL BOX		MAST ARM - TYPE A BASE
					MAST ARM - TYPE C BASE
					MAST ARM - TYPE F BASE

BATES COUNTY-BUTLER
SIGNAL SHEET
SHEET 1 OF 5

STATE OF MISSOURI
WESLEY A. ONEAL
NUMBER
PE-2018021231
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/15/2025

ROUTE
VAR

STATE
MO

DISTRICT
SW

SHEET NO.
1:1

COUNTY
BATES

JOB NO.
J7P3511

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)

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

ENGINEERS & ARCHITECTS

011_SG_01_17P3511_120.dgn 3:00:07 PM 7/15/2025

[illegible]

DATE PREPARED
7/15/2025

DISTRICT SW	SHEET NO 15
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JOB NO.
J7P3511

PROJECT NO.

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

NO						
----	--	--	--	--	--	--

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AMERICAN MUSIC THERAPY ASSOCIATION

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500 PAIR ARCHITECTS

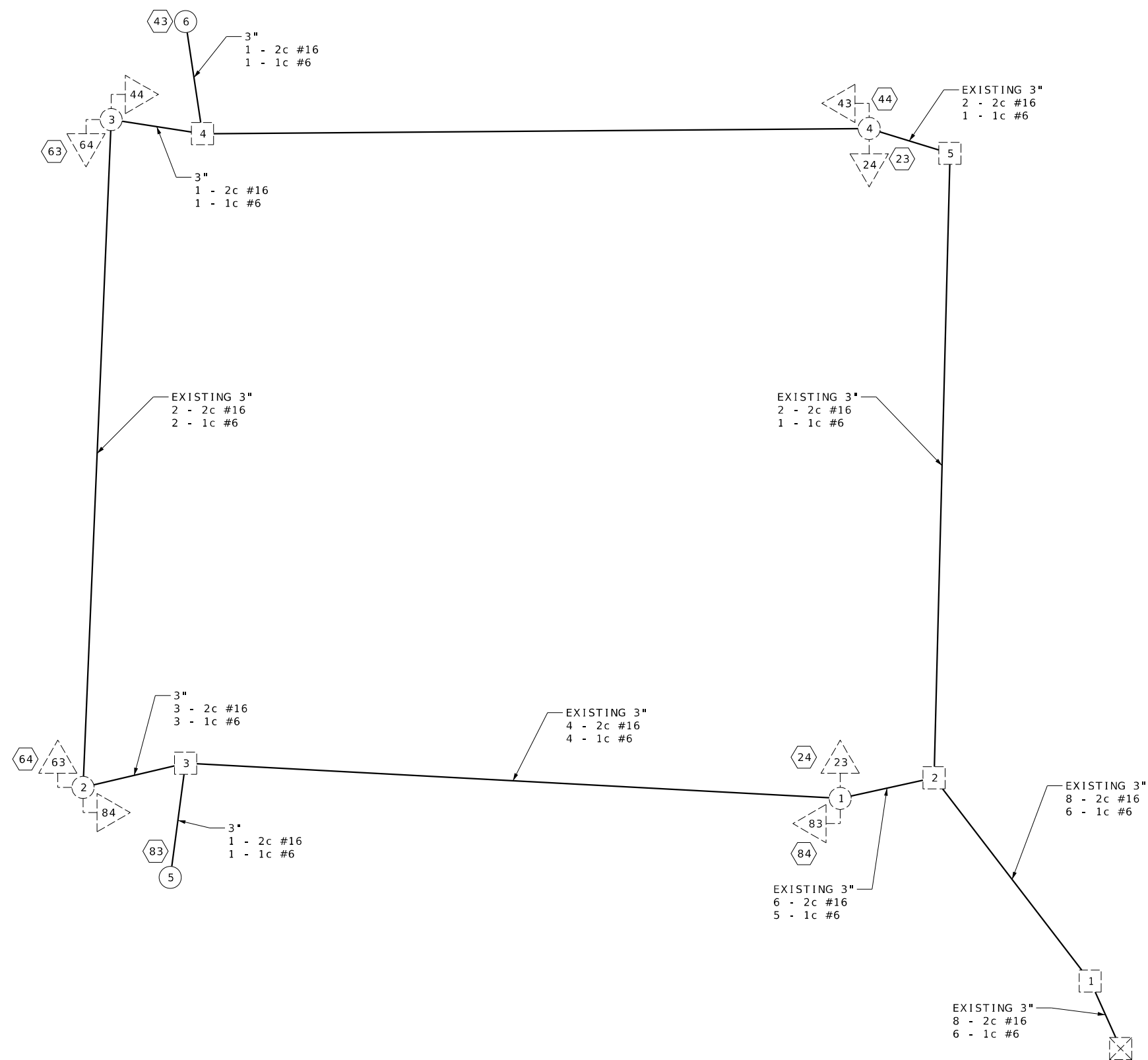
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1 & EN

NOTES:

- 1.) IT IS THE INTENT OF THIS DESIGN TO REPLACE THE EXISTING PUSH BUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNAL (APS). OTHER SIGNALS INCLUDING CABLEING ARE EXPECTED TO BE PROTECTED IN PLACE. FOR THIS REASON ONLY THE PROPOSED CABLEING HAS BEEN SHOWN. IF ANY CABLEING/CONDUIT IS DAMAGED AS PART OF CONSTRUCTION THEN IT WILL BE REPLACED AT THE COST OF THE CONTRACTOR.
- 2.) KEEP THE EXISTING TRAFFIC SIGNAL PHASING AS IS.

CABLE	
	PULL BOX WITH NUMBER
	POST WITH NUMBER
	DETECTOR WITH NUMBER
	PEDESTRIAN SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER



INTERSECTION

D-37D

[illegible]

DATE PREPARED	
7/15/2025	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
SW	17
COUNTY	
BATES	
JOB NO.	
J7P3511	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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

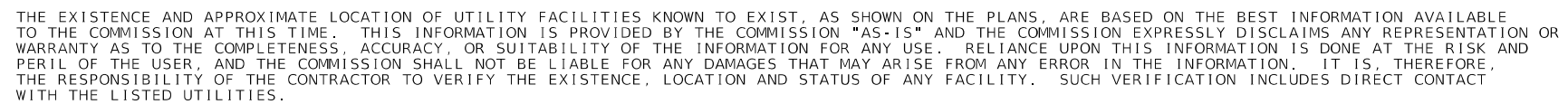
Missouri Cert. of
Authority #2003007559

RTE J
A.A.D.T. - 2022 = 426
V = 30 M.P.H.
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

CONVENTIONAL SYMBOLS (USED IN PLANS)

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

KEY MAP
LOCATION OF HENRY COUNTY

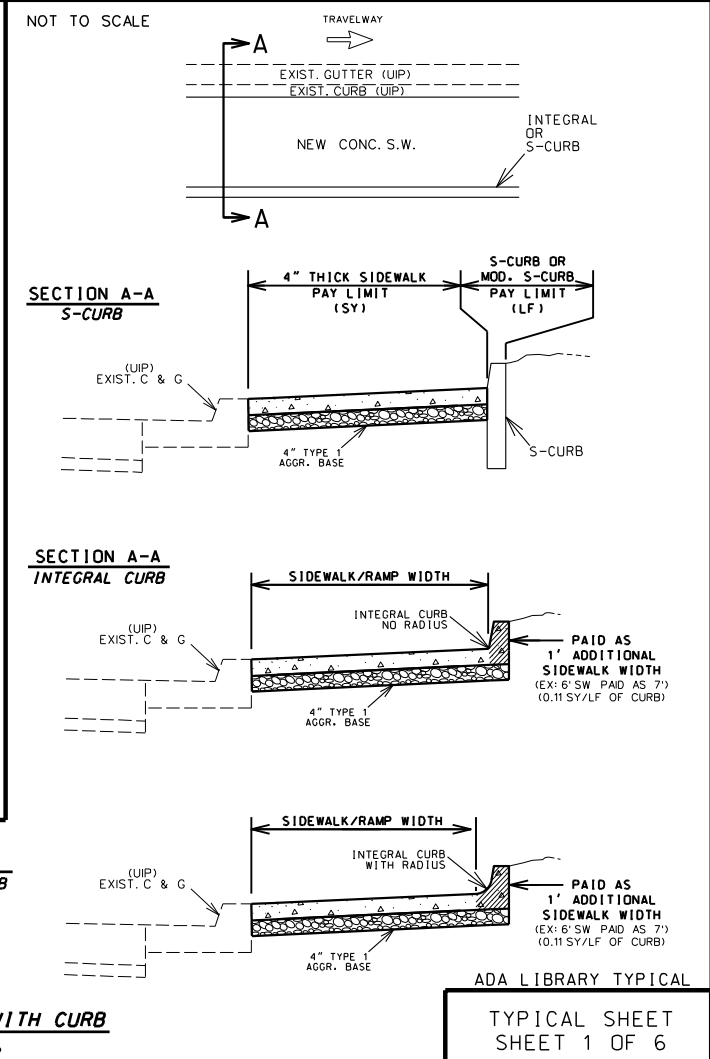
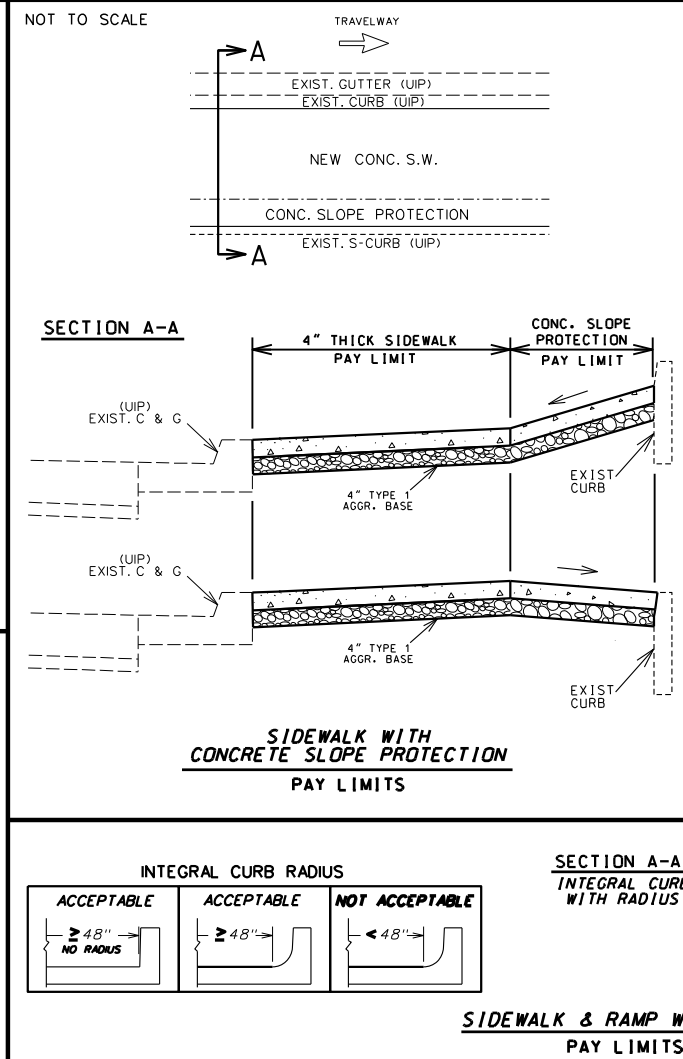
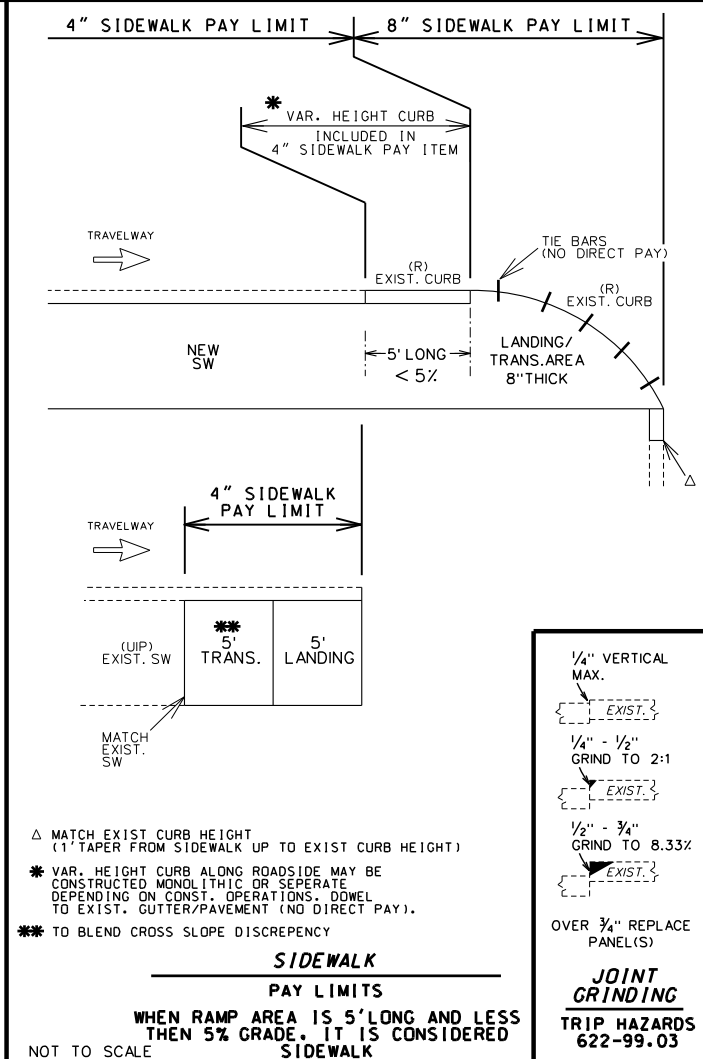
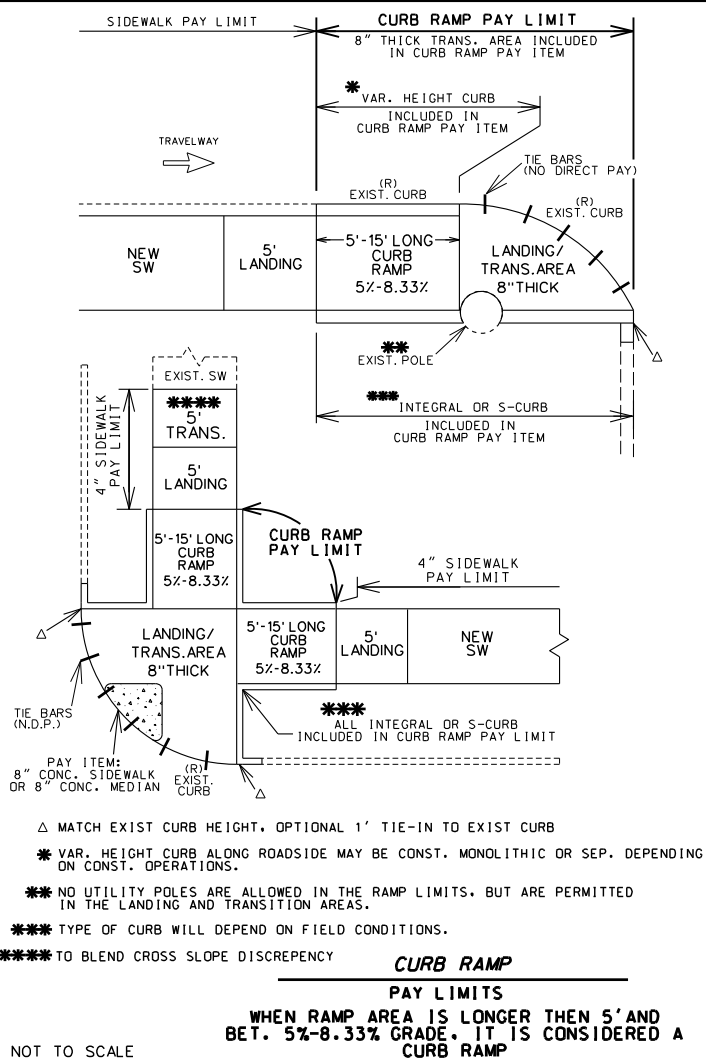
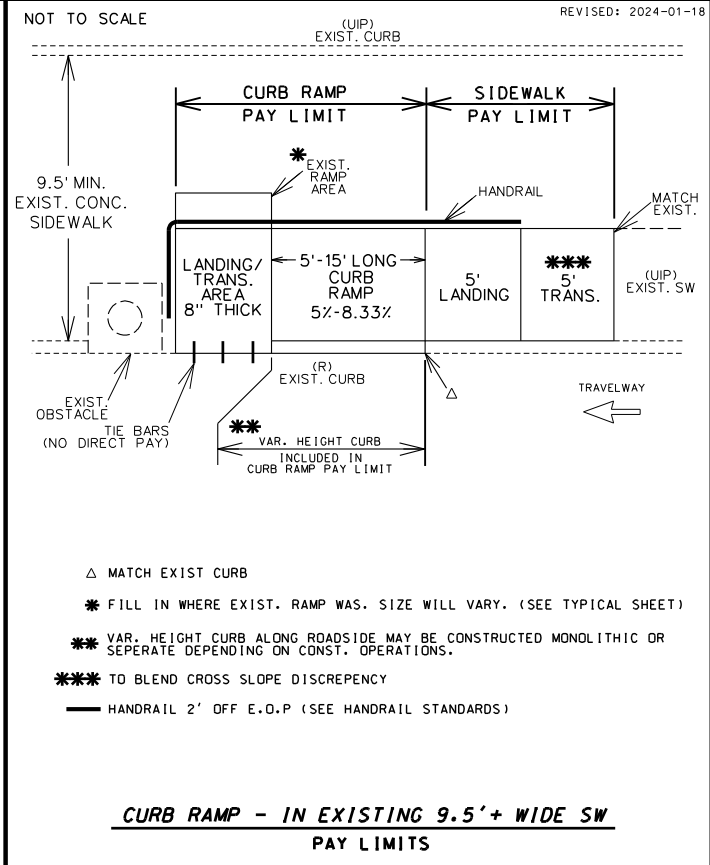
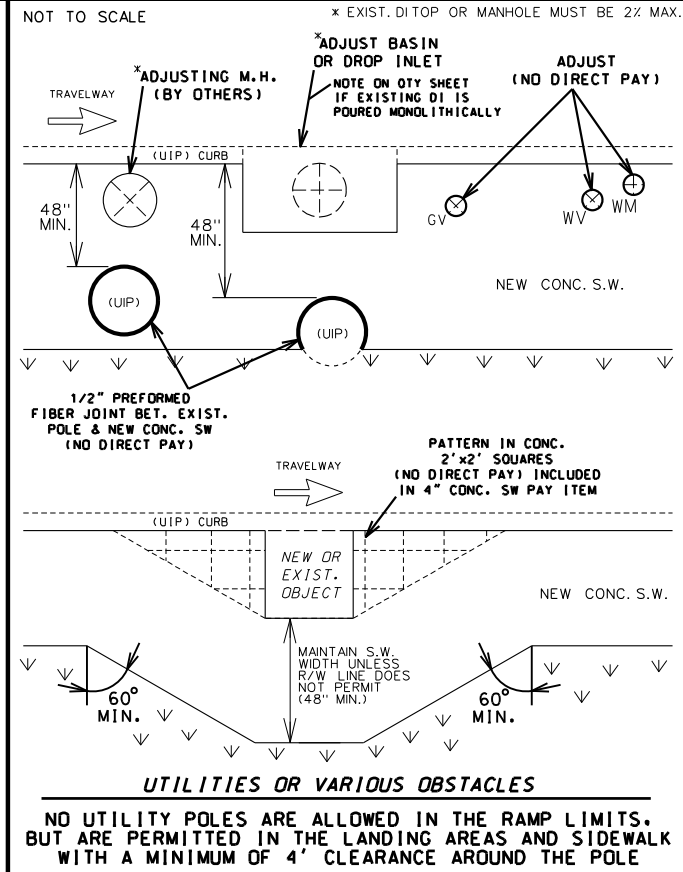


FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.2 ACRES



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

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



STATE OF MISSOURI

WESLEY A. ONEAL

NUMBER PE-2018021231

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 9/4/2025

ROUTE J.V. STATE MO

DISTRICT SW SHEET NO. 2

COUNTY HENRY

JOB NO. J7S3398

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)

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

PARALLEL - TYPE 2										
TYPE 2-A										
LENGTH (LF)	8			12			16			REMARKS
	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	-	14.7	17.0	-	16.7	19.4	-	19.3	22.5
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

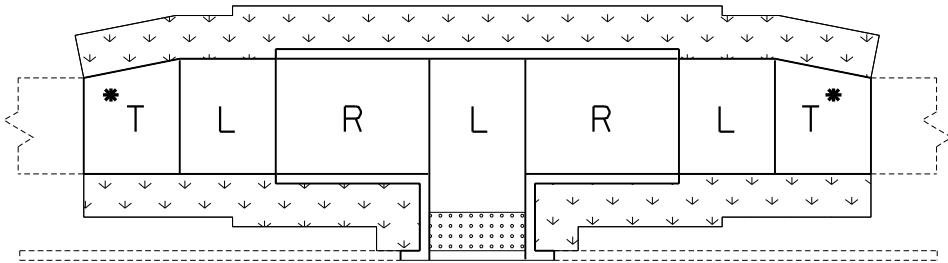
TYPE 2-B										
LENGTH (LF)	8			12			16			REMARKS
	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0
CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2
ADA LINEAR GRADING	LF	-	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
	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	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6
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
	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	-	28.0	32.0	-	32.0	36.8	-	37.3	43.0
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

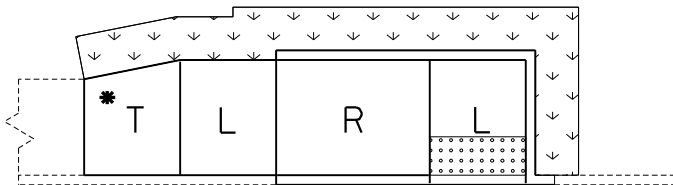
TYPE 2-E										
LENGTH (LF)	8			12			16			REMARKS
	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0
CURB RAMP	SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3
CONC. SIDEWALK	SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0
TYPE 1 AGGREGATE	SY	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3
ADA LINEAR GRADING	LF	-	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
	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	-	26.7	30.5	-	30.4	35.1	-	35.5	40.9
ADA LINEAR GRADING	LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0
SODDING	SY	-	-	-	-	-	-	-	-	-
HANDRAIL	LF	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

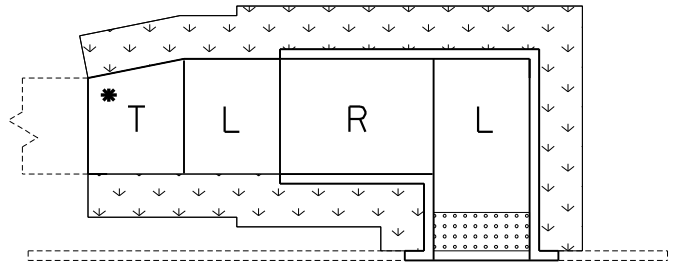


TYPE 2-D

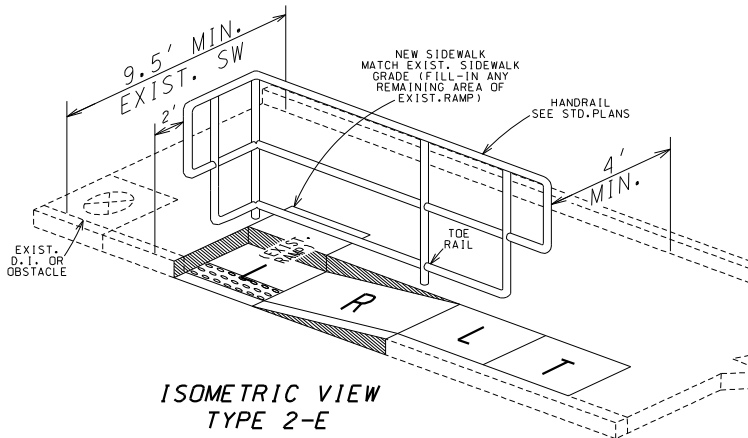
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND
MAY NOT MATCH EXACT FIELD CONDITIONS.



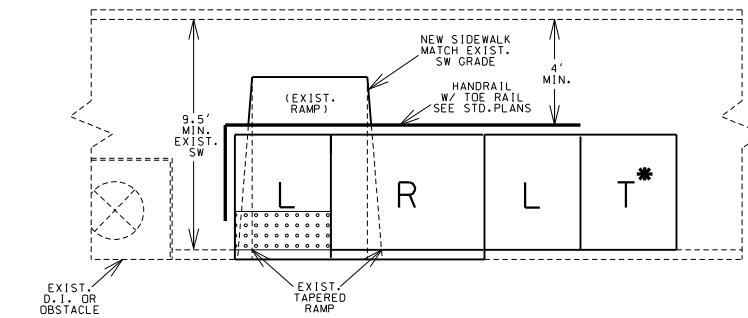
TYPE 2-A



TYPE 2-B



ISOMETRIC VIEW
TYPE 2-E



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

** 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

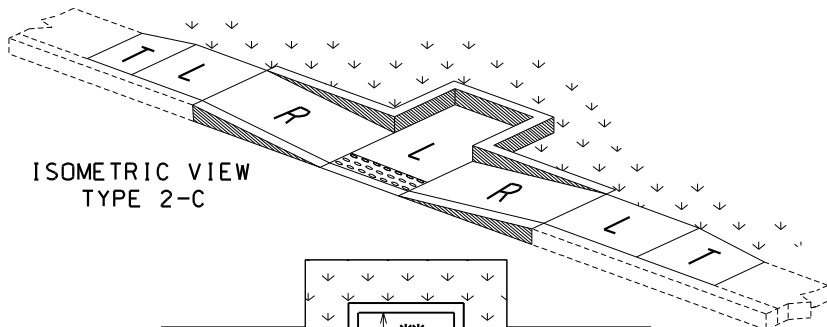
T - TRANSITION TO EXISTING SW
* - T IS STILL NEEDED EVEN IF THE
EXISTING SIDEWALK IS THE SAME
WIDTH AS THE NEW SIDEWALK. (IT
WILL BLEND THE EXIST XSLOPE
INTO THE NEW LANDING XSLOPE)

L - LANDING

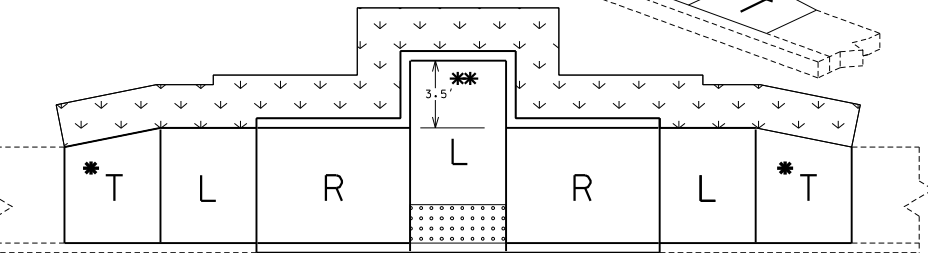
R - RAMP

----- - SOD SLOPE 6:1 MIN.

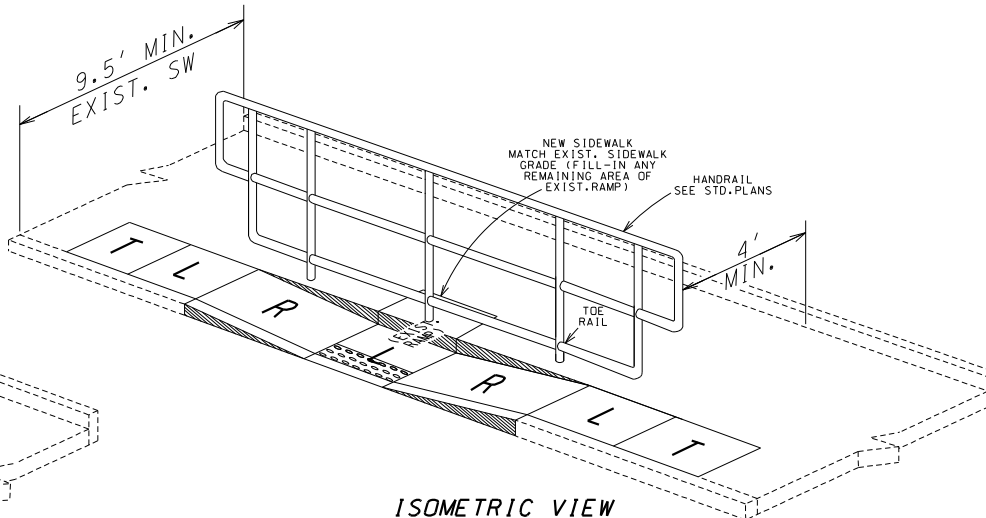
----- - CURB RAMP PAY LIMITS



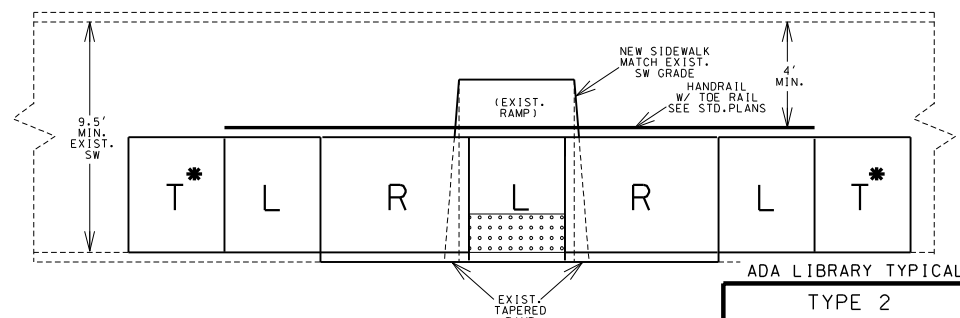
ISOMETRIC VIEW
TYPE 2-C



TYPE 2-C



ISOMETRIC VIEW
TYPE 2-F



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL
TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
3 OF 6

REVISED: 2022-05-18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

9/4/2025

ROUTE J.V STATE MO

DISTRICT SW SHEET NO. 2

COUNTY HENRY

JOB NO. J7S3398

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)

800 E 101st Terr., Ste. 200

Kansas City, MO 64131

Phone (816) 701-3100

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Missouri Cert. of

Authority #2003007599

WILSON & COMPANY

ENGINEERS & ARCHITECTS

PARALLEL - TYPE 2 (cont'd.)												
TYPE 2-G												
LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS	
		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	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7		
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)	WIDTH (LF)	8			12			16			REMARKS	
		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	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8		
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		

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)

T - TRANSITION TO EXISTING SW

L - LANDING

R - RAMP

↓ ↓ - SOD SLOPE 6:1 MIN.

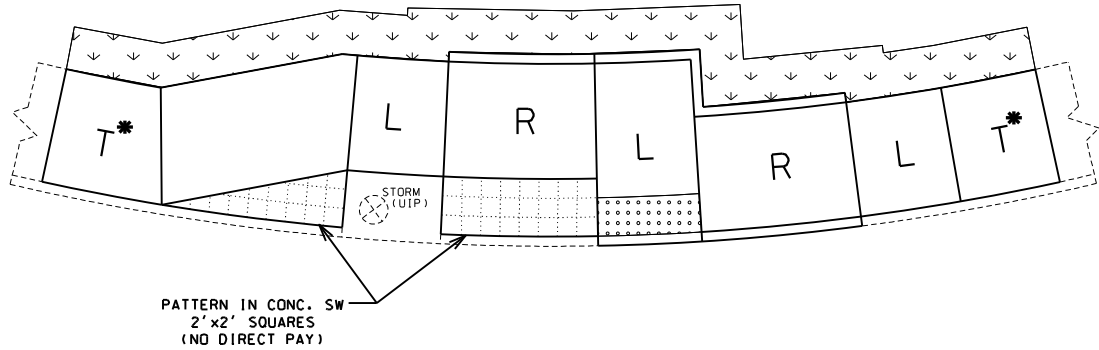
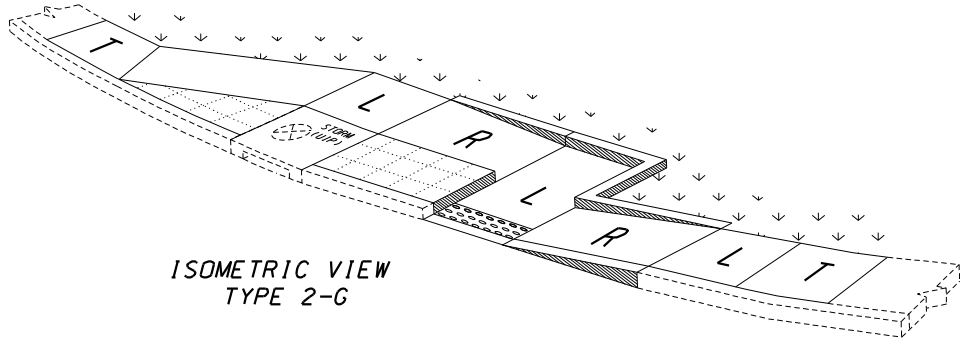
..... - TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'

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

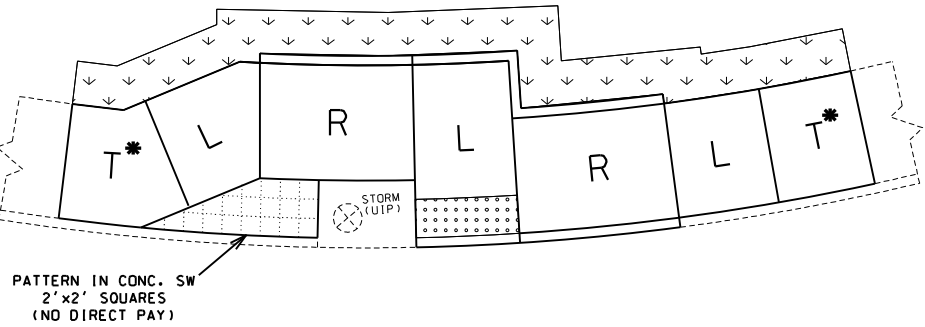
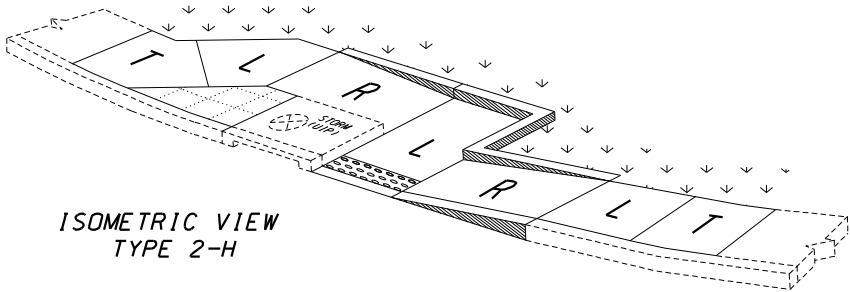
▨ - CURB RAMP PAY LIMITS

..... - INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 2-G



TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2
PARALLEL CURB RAMPS
TYPICAL SHEET 4 OF 6

STATE OF MISSOURI
WESLEY A. O'NEAL
NUMBER
PE-2018021231
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.
DATE PREPARED
9/4/2025
ROUTE
J.V.
STATE
MO
DISTRICT
SW
SHEET NO.
2
COUNTY
HENRY
JOB NO.
J7S3398
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)
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

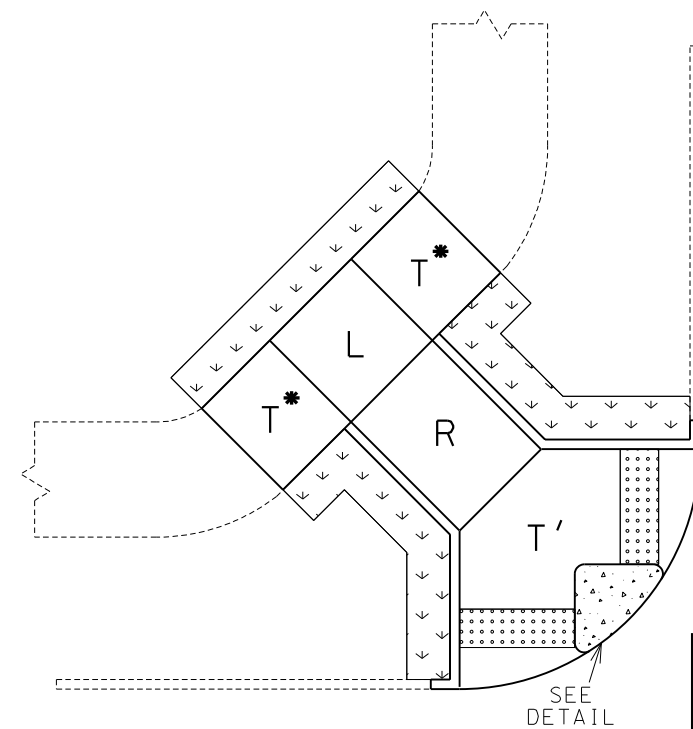
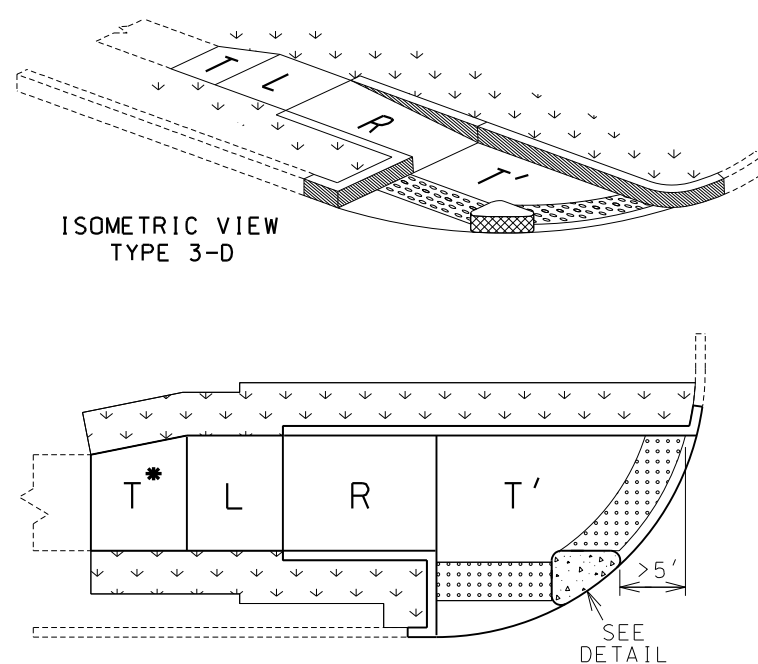
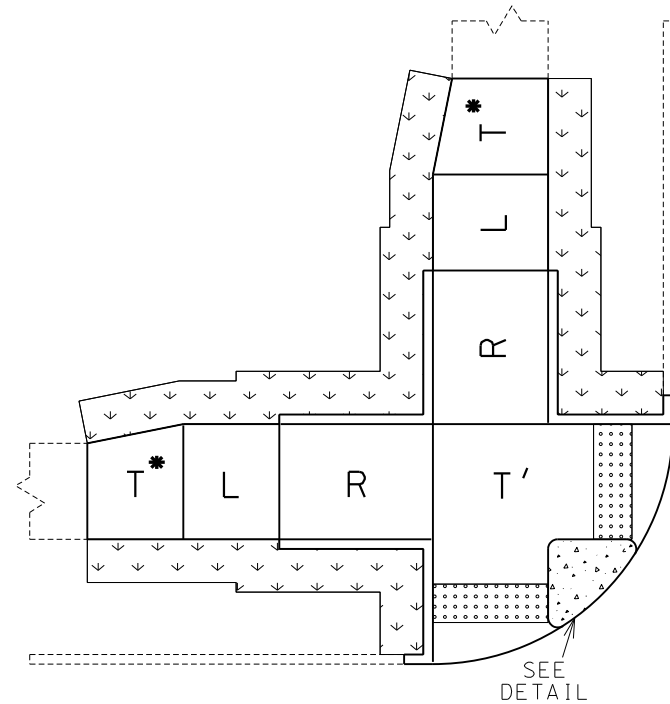
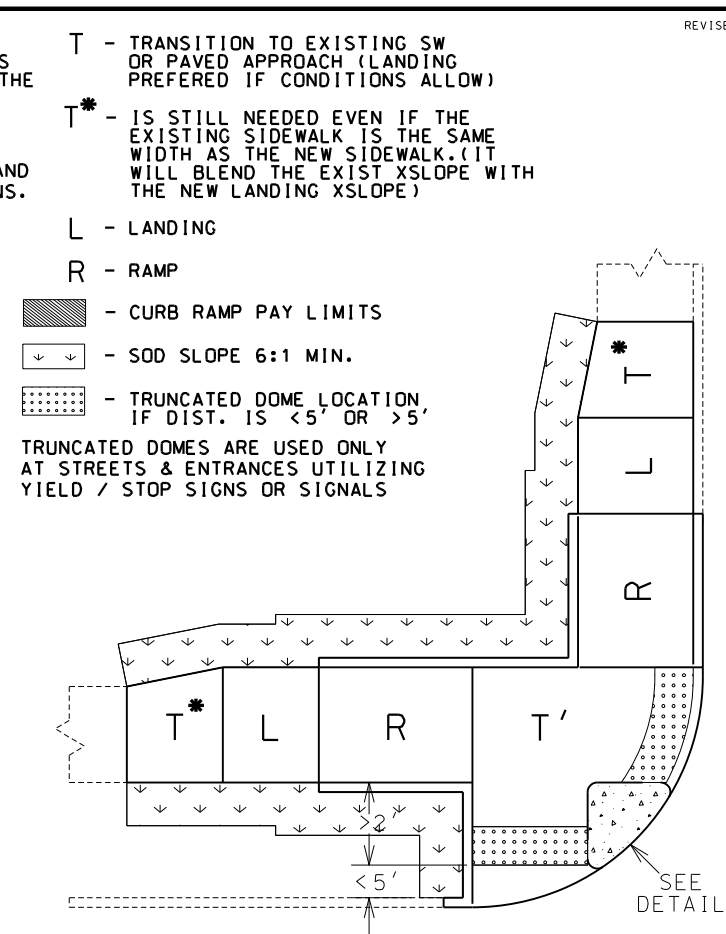
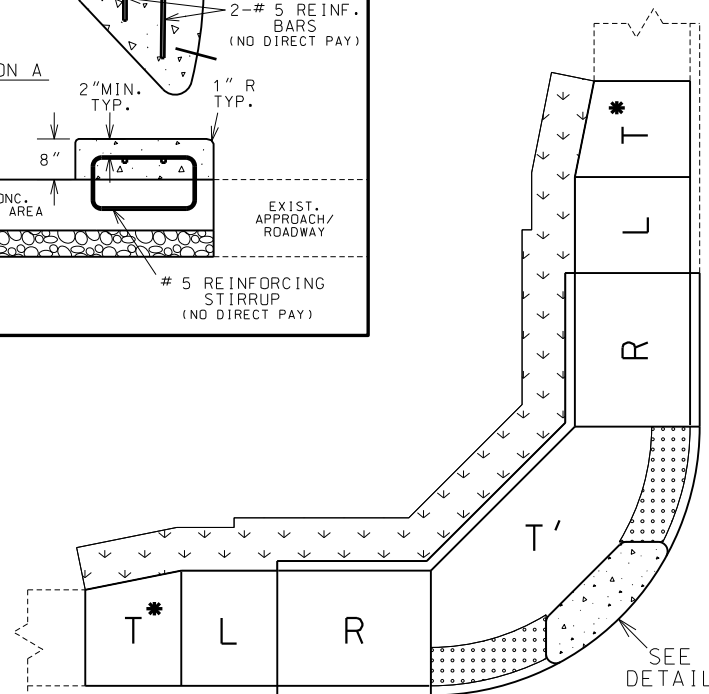
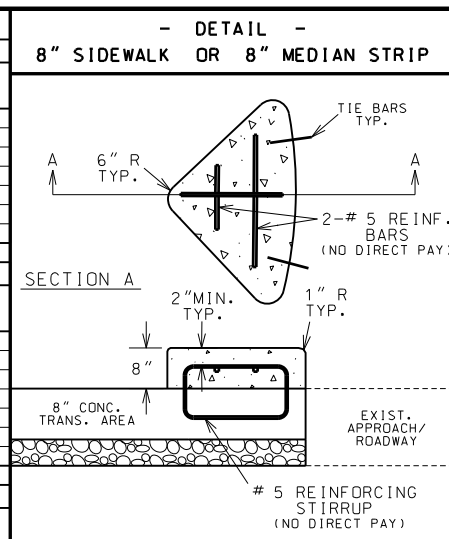
DIAGONAL - TYPE 3												
TYPE 3-A												
	LENGTH (LF)	WIDTH (LF)	8			12			16			REMARKS
			4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4		
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE	SY	-	35.6	39.8	-	36.7	42.6	-	42.0	48.8		
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											REMARKS
LENGTH (LF) WIDTH (LF)		8			12			16			
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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	-	33.2	39.1	-	35.7	42.6	-	41.0	48.8	
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) WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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	-	31.9	39.6	-	34.9	42.9	-	40.2	49.1	
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											REMARKS
	LENGTH (LF)	8			12			16			
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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	-	21.5	25.5	-	22.6	27.1	-	25.3	30.2	
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) WIDTH (LF)		8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOME	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	-	25.6	30.5	-	25.0	30.8	-	27.7	33.9	
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	



ADA LIBRARY TYPICAL

TYPE 3

DIAGONAL
CURB RAMPS

MOBILIZATION - LUMP SUM 1

CONTRACTOR FURNISHED SURVEYING AND STAKING - LUMP SUM 1

SILT FENCE - 150 LF AS DIRECTED BY THE ENGINEER

CONCRETE SIDEWALK

SHEET	LOCATION			CONCRETE	CONCRETE	TRUNCATED	4" TYPE	LINER GRADING	REMARKS
				SIDEWALK	SIDEWALK		1 OR 5	FOR ADA	
				4"	8"	(SF)	AGG BASE	FACILITIES	
				(SY)	(SY)		(SY)	(STA)	
4	RTE J	LT	CALHOUN	205.2	6.2		225.6	3.7	
5	RTE J	LT	CALHOUN	282.7	30.5	40.0	522.3	5.5	
5	RTE J	RT	CALHOUN	41.6	8.8		70.0	1.0	
6	RTE J	LT	CALHOUN	263.5	22.1		337.5	5.2	
6	RTE J	RT	CALHOUN	52.7	1.2		57.2	1.0	
7	HWY V	WEST	CALHOUN	6.7		10.0		0.1	
7	HWY V	EAST	CALHOUN	9.2		10.0		0.2	
			TOTAL	861.4	68.8	60.0	1212.7	16.5	
			USE				1213		

WATER VALVE HEIGHT ADJUSTMENT

SHEET	LOCATION		WATER VALVE (EA)	REMARKS
5	LT	CALHOUN	1	
		TOTAL	1	

GROUP B PIPE

SHEET	LOCATION			15 INCH ROUND EQUIV. PIPE GROUP B (LF)	REMARKS
5	RTE J	LT	CALHOUN	31.0	
			TOTAL	31.0	

GRAVEL (A) OR CRUSHED STONE (B)

SHEET	LOCATION			AREA (SY)	REMARKS
4	RTE J	LT	CALHOUN	37.4	
5	RTE J	LT	CALHOUN	209.1	
5	RTE J	RT	CALHOUN	16.2	
6	RTE J	LT	CALHOUN	51.9	
6	RTE J	RT	CALHOUN	3.4	
			TOTAL	318.0	

SEEDING

SHEET	LOCATION		COOL SEASON	MULCHING	REMARKS
			GRASSES (ACRE)	(ACRE)	
4 - 5	LT	CALHOUN	0.1	0.1	
		TOTAL	0.1	0.1	

CLEARING AND GRUBBING

SHEET	LOCATION		CLEARING & GRUBBING	REMARKS
			(LS)	
5	LT	CALHOUN	1.00	TREE REMOVAL
5	RT	CALHOUN	1.00	TREE REMOVAL
		TOTAL	1.00	

SODD I NG

SHEET	LOCATION	SODDING (SY)	REMARKS
4	CALHOUN	203.3	
5	CALHOUN	361.1	
6	CALHOUN	341.7	
	TOTAL	906.1	
	USE	906	

PAVEMENT MARKING

SHEET	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING 30 IN. MIDBLOCK WHITE (LF)	PAVEMENT MARKING REMOVAL (SYMBOL) (EA)	REMARKS
7	CALHOUN	30.0	5.0	
	TOTAL	30.0	5.0	

REMOVAL OF IMPROVEMENTS

SHEET	LOCATION	DESCRIPTION	REMARKS
4 - 7	CALHOUN	APPROX 536 SY SIDEWALK	
4 - 7	CALHOUN	APPROX 20 LF CMP	
	TOTAL	LUMP SUM 1	ALL VERTICAL SAW CUTS SHALL BE INCIDENTIAL TO REMOVALS



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DATE PREPARED
9/4/2025

ROUTE	STATE
114	MO

J.V	MO
DISTRICT	SHEET NO.

SW	3
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COUNTY
HENRY

JOB NO.

J7S3398
CONTRACT ID

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 Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
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WILSON
& COMPANY
ENGINEERS & ARCHITECTS

55 PM 9/4/2025

0.55 FM 9/4/2023

QUANTITIES SHEET
SHEET 1 OF 2

SHEET 1 OF 2

DATE PREPARED	
9/4/2025	
ROUTE	STATE
J, V	MO
DISTRICT	SHEET NO.
SW	3

COUNTY
HENRY
JOB NO.
J7S3398

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

200 E 101st Terr., Ste. 200
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& COMPANY
ENGINEERS & ARCHITECTS



DATE PREPARED 9/4/2025	
ROUTE J, V	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY HENRY	
JOB NO. J7S3398	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

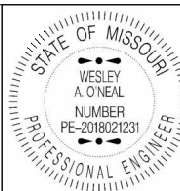
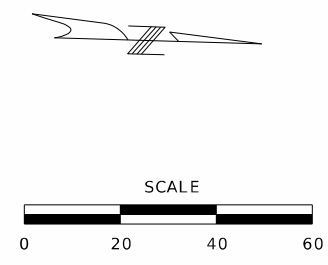
MODOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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DATE PREPARED
9/4/2025

ROUTE	STATE
LM	MO

J, V	MO
DISTRICT	SHEET NO.
SW	5

SW	S
COUNTY	
HENRY	

HENRY
JOB NO.
1762208

J7S3398
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1.888.ASK.MOdot / 1.888.775.6626

**WILSON
& COMPANY**
ENGINEERS & ARCHITECTS

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013

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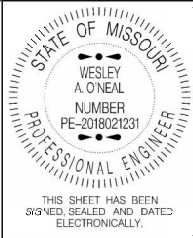
MATCHLINE SEE SHEET 5



LEGEND

- CONCRETE SIDEWALK
- GRAVEL OR CRUSHED STONE
- TRUNCATED DOMES
- (S) SIDEWALK SECTION
- (R) RAMP
- (T) TRANSITION
- (L) LANDING

CALHOUN
PLAN SHEET
SHEET 3 OF 4



DATE PREPARED 9/4/2025	
ROUTE J, V	STATE MO
DISTRICT SW	SHEET NO. 6
COUNTY HENRY	
JOB NO. J7S3398	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

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HENRY COUNTY - CALHOUN
PLAN SHEET
SHEET 4 OF 4



DATE PREPARED 9/4/2025	
ROUTE J, V	STATE MO
DISTRICT SW	SHEET NO. 7
COUNTY HENRY	
JOB NO. J7S3398	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

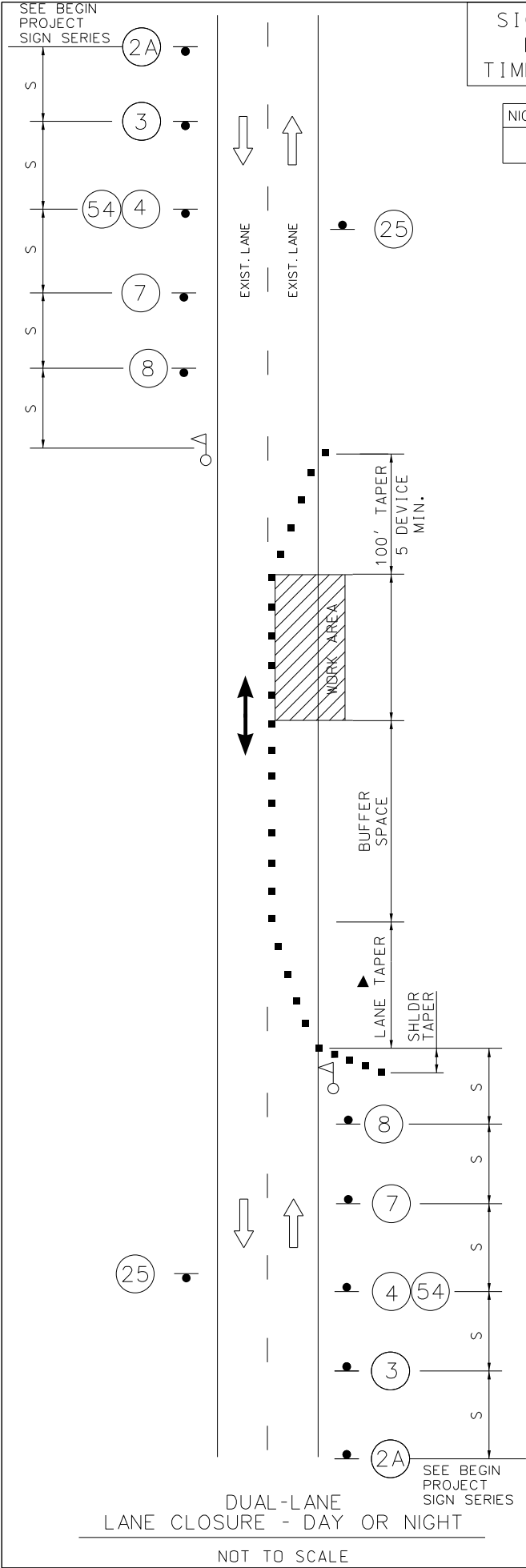
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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JEFFERSON CITY, MO 65102
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SIGNING REFLECTS
DAY OR NIGHT
TIME WORKING HOURS

NIGHT TIME WORK HOURS
X PM - X AM

Speed Limit ¹ , mph	Taper Length ² , ft.		Channelizing Spacing ³ , ft.	
	Shoulder ⁴ (T1)	Lane ⁵ (T2)	Tapers	Buffer/Work Areas
up to 35	70	245	35 ⁶	40 ⁶
40 to 45	150	540	40 ⁶	80 ⁶
50 to 55	185	660	50 ⁷	80 ⁷
60 to 70	235	840	60 ⁷	120 ⁷

¹ Speed limit is based on posted speed limit.

² Taper lengths may be adjusted to accommodate crossroads, curves, intersections, ramps or other geometric features.

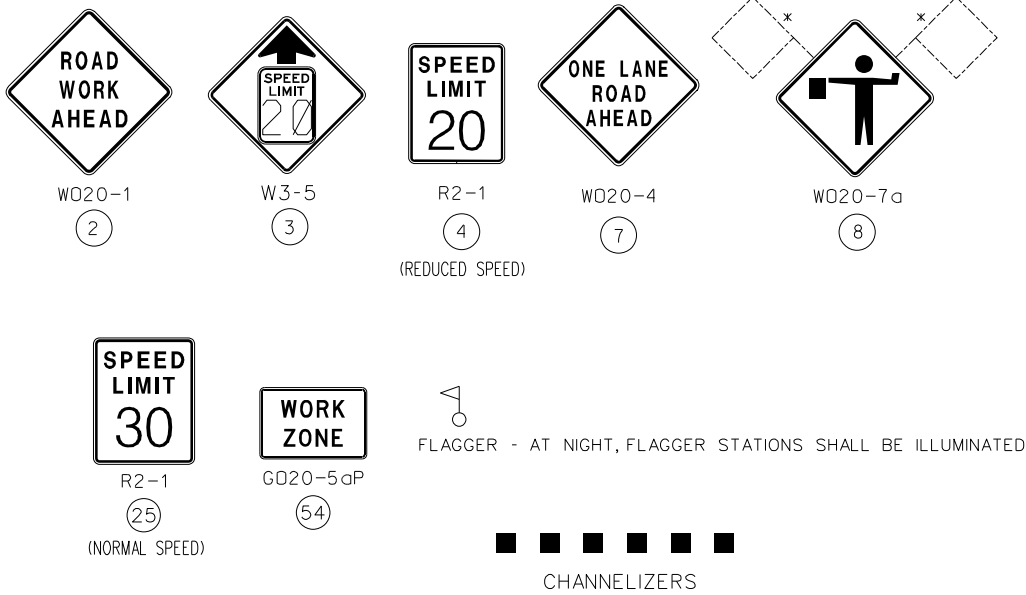
³ Channelizer spacing may be reduced to discourage traffic encroachment.

⁴ Based on 10 ft. shoulder width.

⁵ Based on 12 ft. lane width.

⁶ Spacing reduced to 1/2 at intersections.

⁷ Spacing may be reduced to 1/2 at intersections.



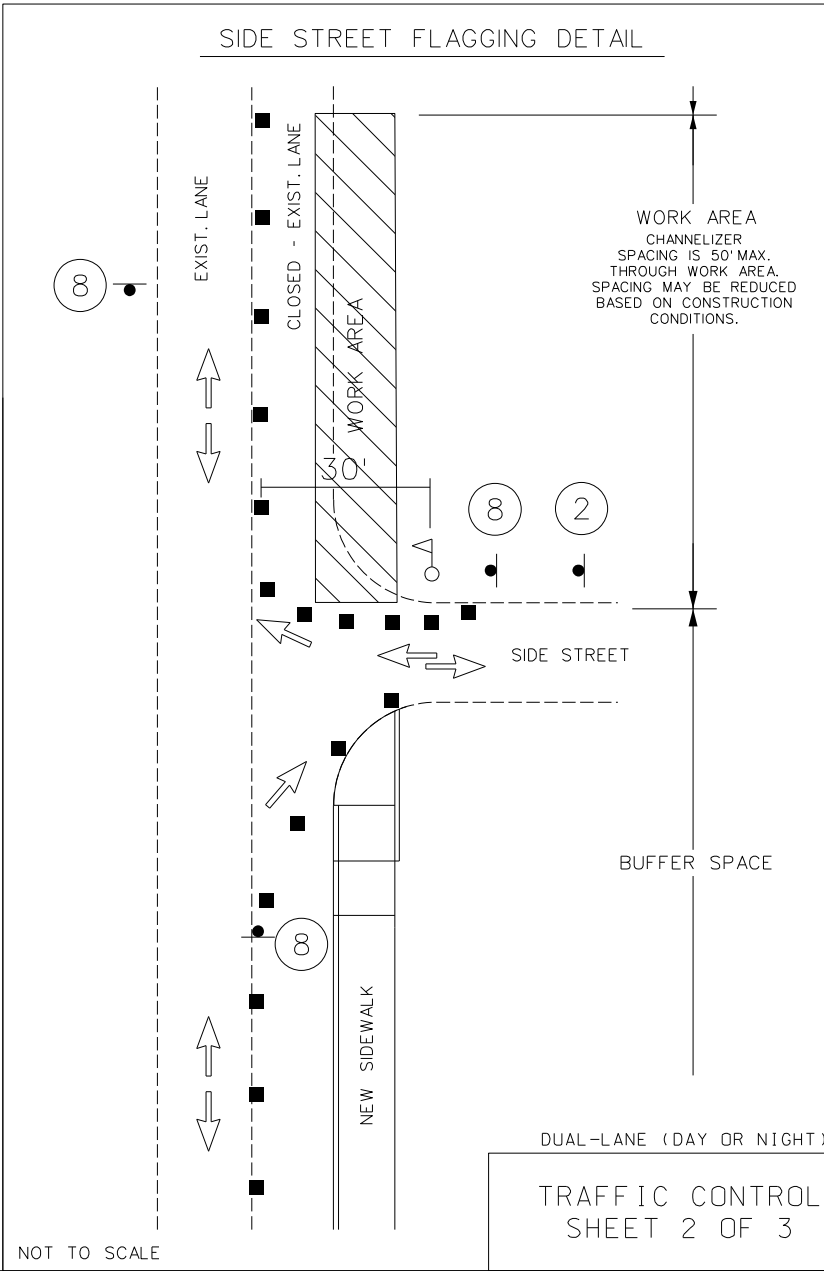
Speed Limit ¹ , mph	Sign Spacing ² , ft.	
	Undivided Highway	Divided Highway
up to 35	200 ³	200 ³
40 to 45	350	500
50 to 55	500	1000
60 to 70	1000	SA-1000 SB-1500 SC-2640

¹ Speed limit is based on posted speed limit.

² Sign spacing may be adjusted, normally by increasing it, to accommodate field conditions and visibility.

³ For urban low speed, minimum recommended spacing in MUTCD is 100 ft.

* 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 CONDITIONS AS APPROVED BY THE ENGINEER.

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

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

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

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

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

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

EFFECTIVE: 06-08-2016
REVISED (ADA): 04-22-2024

STATE OF MISSOURI
WESLEY A. ONEAL
NUMBER PE-2018021231
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE J, V STATE MO
DISTRICT SW SHEET NO. 9

COUNTY HENRY
JOB NO. J7S3398
CONTRACT ID.

PROJECT NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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