

DESIGN DESIGNATION

A.D.T. - 2022= 16,847
 (I-44 TO WEST BYPASS)
 29,890
 (WEST BYPASS TO EASTGATE AVE.)

DHV = VARIES
 T = 5%
 V = 45 M.P.H.
 (I-44 RAMP TO WEST BYPASS)
 40 M.P.H.
 (WEST BYPASS TO EASTGATE AVE.)

FUNCTIONAL CLASSIFICATION -
 EXPRESSWAY (I-44 RAMP TO LULWOOD AVE.)
 PRINCIPAL ARTERIAL (LULWOOD AVE. TO COLLEGE RD.)
 EXPRESSWAY (COLLEGE RD. TO INGRAM MILL AVE.)
 PRINCIPAL ARTERIAL (INGRAM MILL AVE.
 TO US65 NORTHBOUND RAMP)
 MAJOR COLLECTOR (US65 NORTHBOUND RAMP
 TO EASTGATE AVE.)

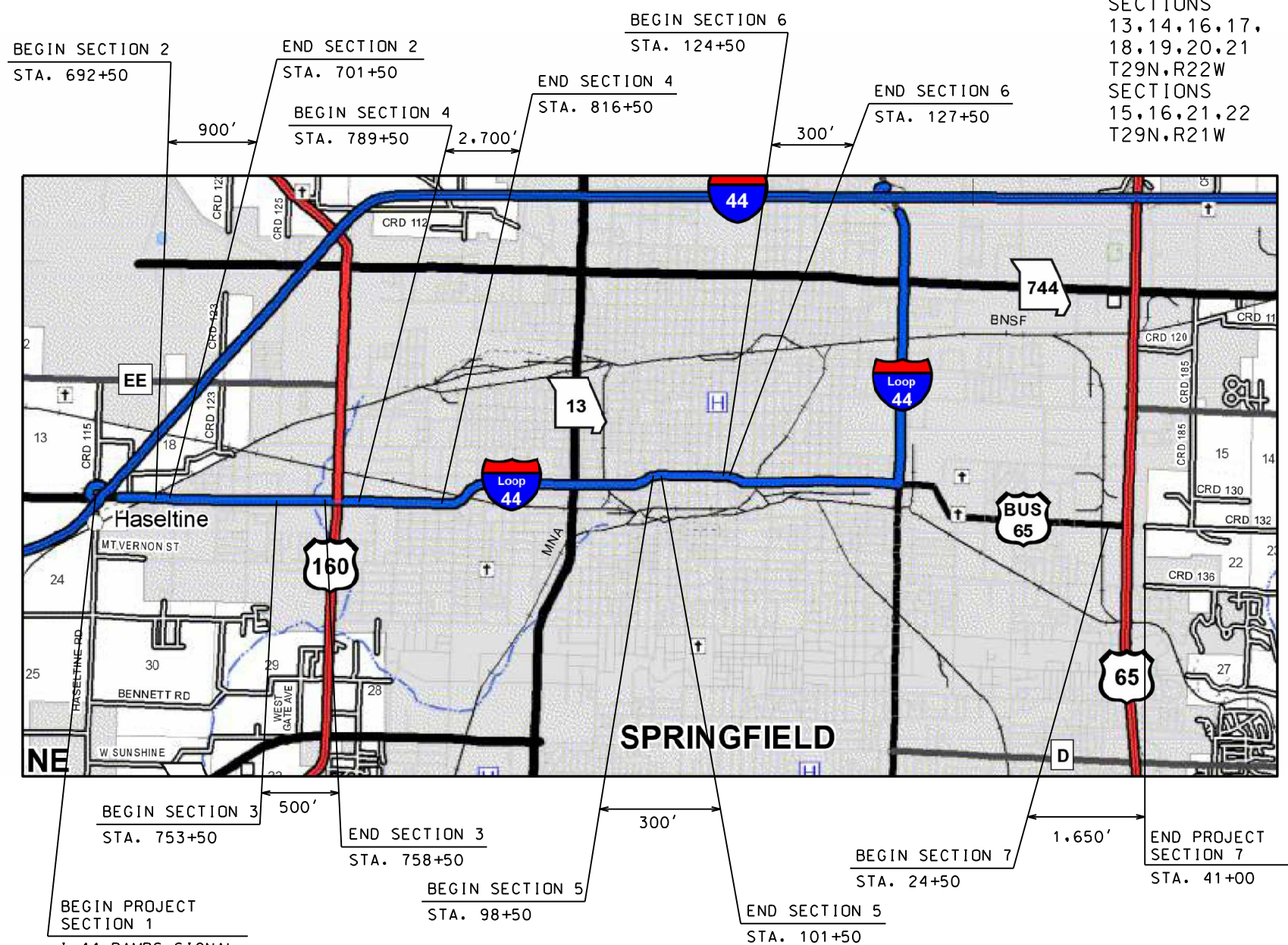
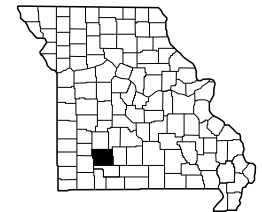
**TEMPORARY EASEMENTS AND
 NEW RIGHT OF WAY REQUIRED**

**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
GUARD CABLE	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
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	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE		
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY
 GREENE COUNTY**



NOT TO SCALE

SECTION 13
 T29N,R23W
 SECTIONS
 13,14,16,17,
 18,19,20,21
 T29N,R22W
 SECTIONS
 15,16,21,22
 T29N,R21W

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (9 SHEETS)	2
QUANTITIES (QU) (6 SHEETS)	3
PLAN SHEETS (PL)	4-16
SUMMARY OF TAKINGS (ST)	17
REFERENCE POINTS (RP)	18-19
COORDINATE POINTS (CP)	20
SPECIAL SHEET (SS)	21
INTERSECTION DETAIL SHEETS	22-25
TRAFFIC CONTROL (TC)	26-36
EROSION CONTROL (EC)	37-39
SIGNAL (SIG)	40-82
SIGNING (SN)	83-92
PAVEMENT MARKING (PM)	93-97
CULVERT SECTIONS (CS)	98-101
UTILITIES (ELECTRIC)	E1
CROSS-SECTIONS (XS) (3 SHEETS)	1-3

LENGTH OF PROJECT

SECTION	DESCRIPTION	LENGTH
SECTION 1	I-44 RAMP SIGNAL IMPROVEMENTS	1,300 FEET
SECTION 2	STA 692+50 - 701+50	900 FEET
SECTION 3	STA 753+50 - 758+50	500 FEET
SECTION 4	STA 789+50 - 816+50	2,700 FEET
SECTION 5	STA 98+50 - 101+50	300 FEET
SECTION 6	STA 124+50 - 127+50	300 FEET
SECTION 7	STA 24+50 - 41+00	1,650 FEET
APPARENT LENGTH		7,650 FEET

EQUATIONS AND EXCEPTIONS:

EO STA 100+63.72 BK=	26.2 FEET
STA 100+37.52 AH	
TOTAL CORRECTIONS	26.2 FEET
NET LENGTH OF PROJECT	7,676.20 FEET
STATE LENGTH	1.454 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	1.6 ACRES

STATE OF MISSOURI
 DONALD THOMAS SAKO
 NUMBER PE-28475
 PROFESSIONAL ENGINEER

DATE PREPARED: 6/10/2025

ROUTE: LP44 STATE: MO
 DISTRICT: SW SHEET NO.: 1

COUNTY: GREENE
 JOB NO.: J8P3144
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

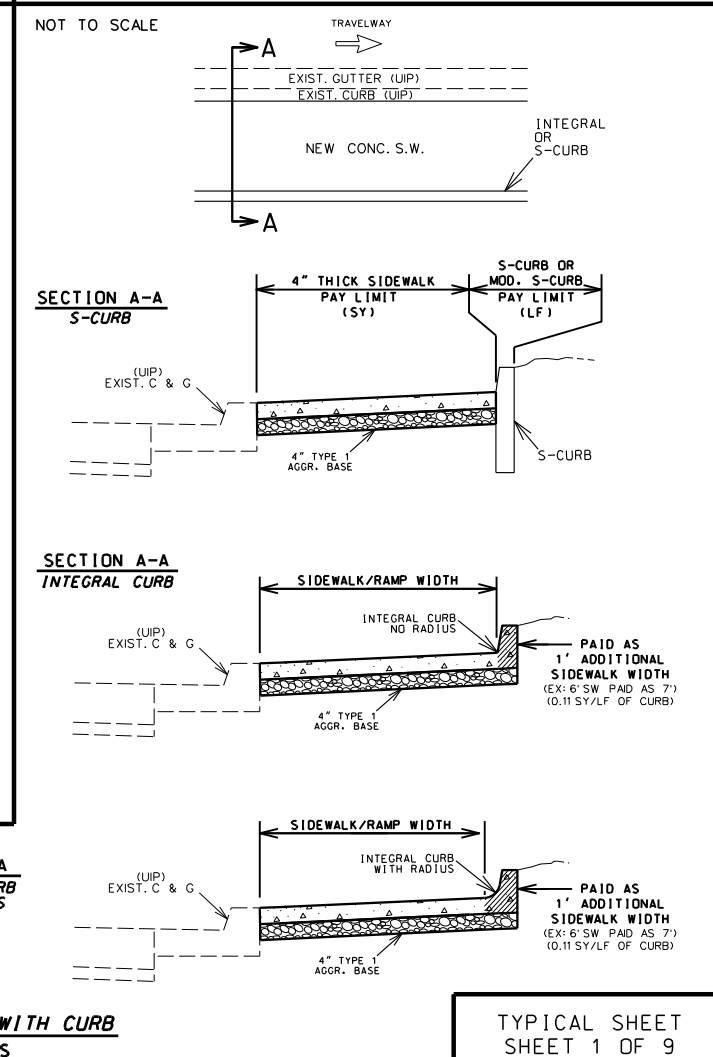
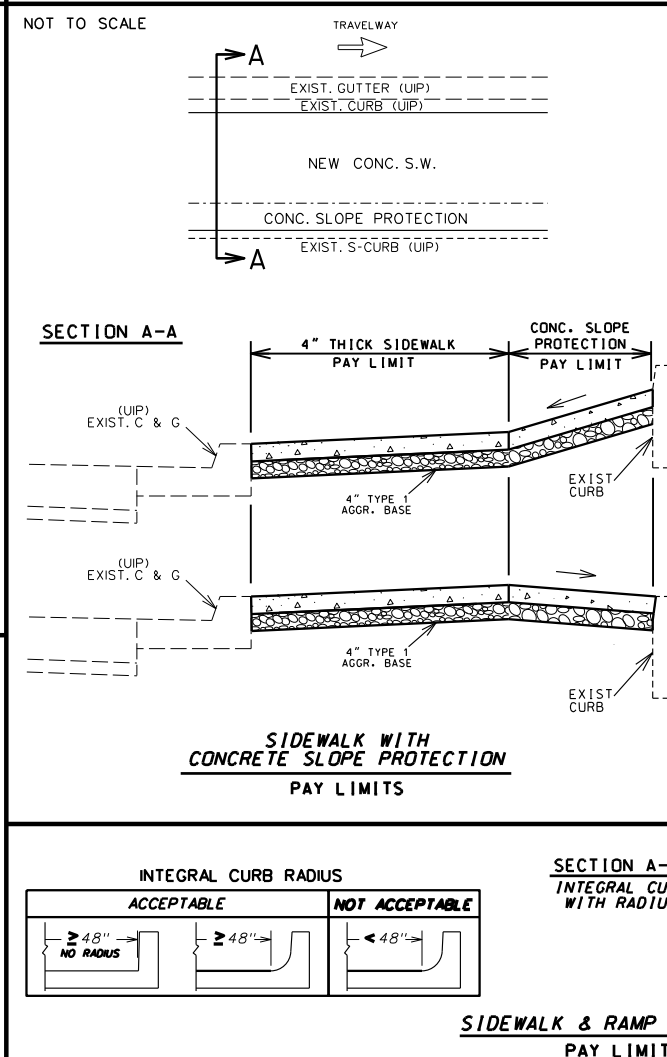
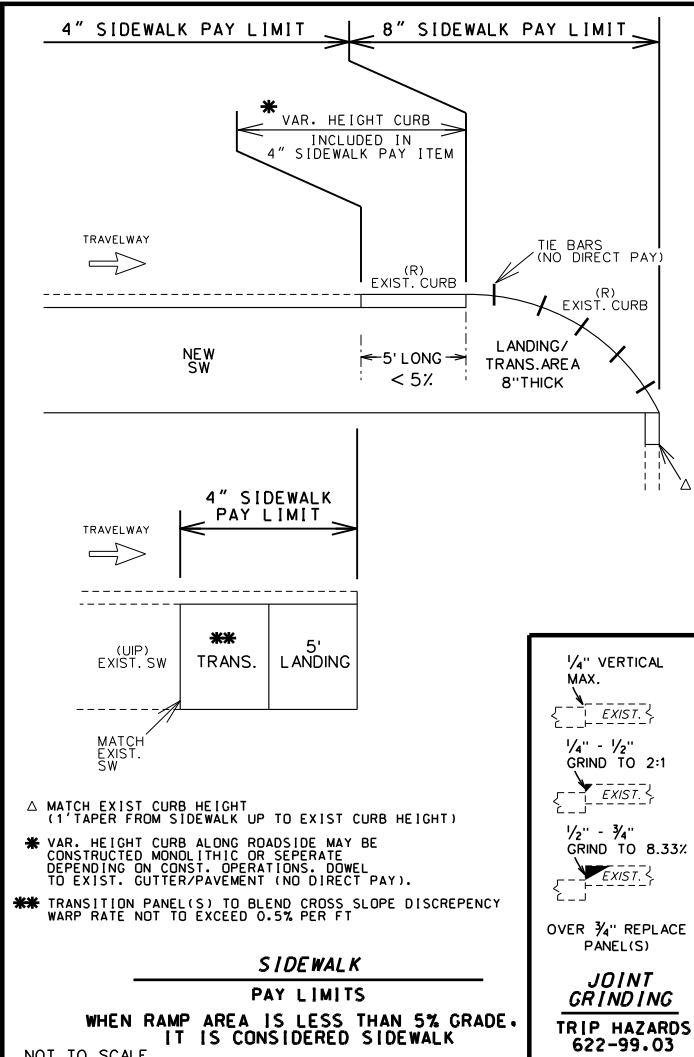
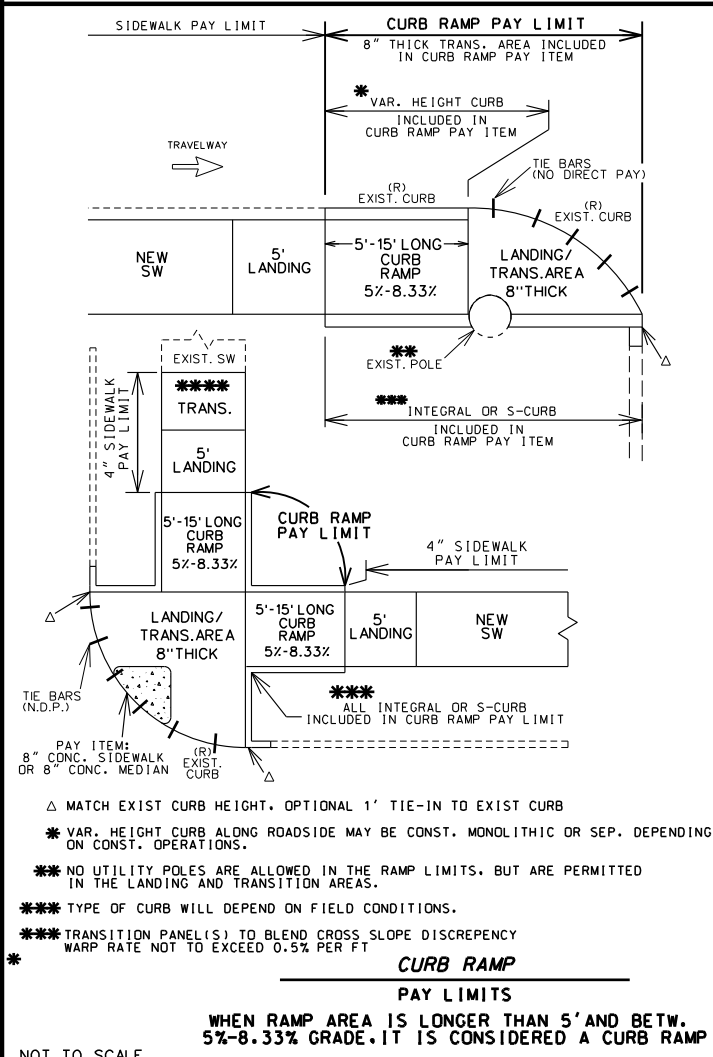
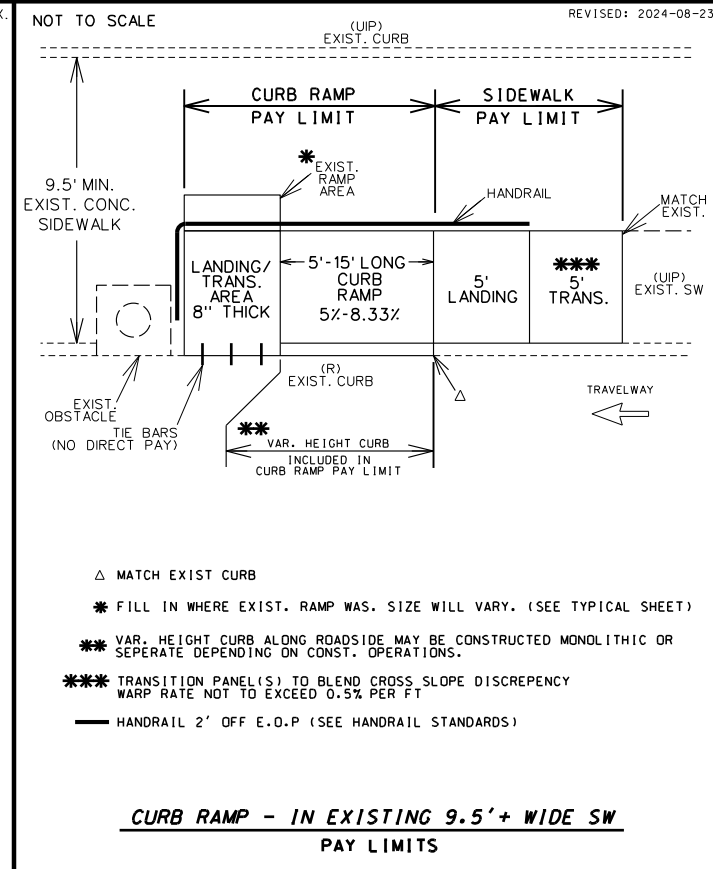
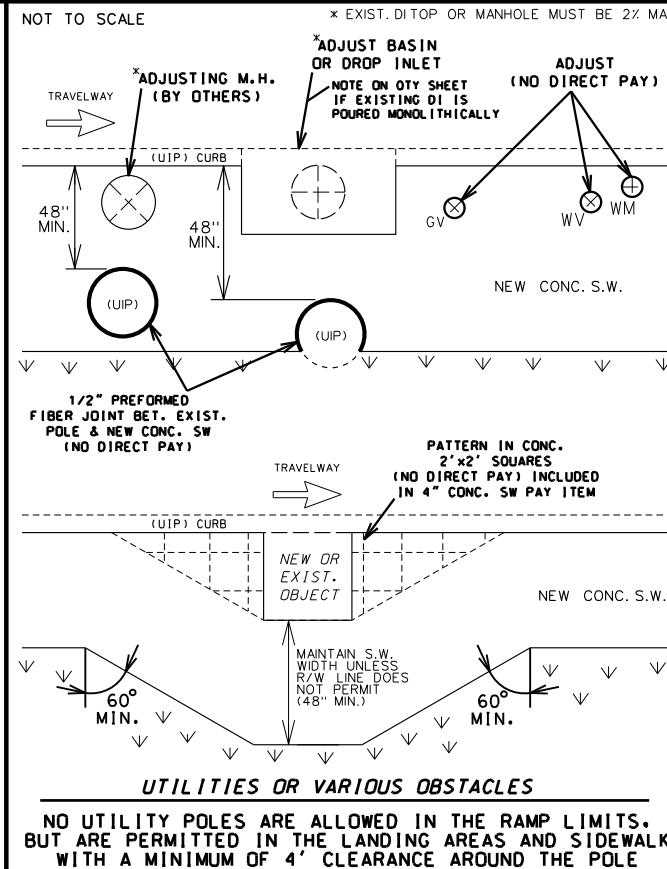
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

GARVER

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.

- 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.
- 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)
- CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
- 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.
- 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.
- 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.
- 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.
- "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
- 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).
- 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.
- 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.
- S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
- SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.



STATE OF MISSOURI
DONALD THOMAS SAIKO
NUMBER PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 5/27/2025

ROUTE: LP44 STATE: MO

DISTRICT: SW SHEET NO.: 2

COUNTY: GREENE

JOB NO.: J8P3144

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION:

DATE:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

ModOT

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

GARVER, L.L.C.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

GARVER

PERPENDICULAR - TYPE 1

REVISED: 2022-05-18

TYPE 1-A		8			12			16			REMARKS
LENGTH (LF)	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	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	

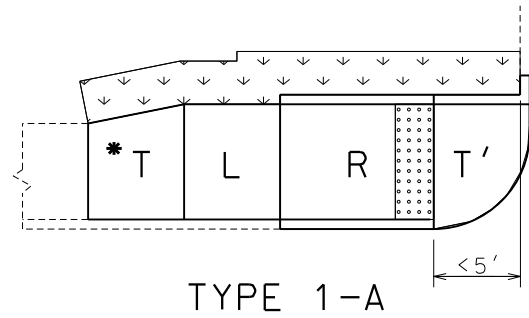
TYPE 1-B		8			12			16			REMARKS
LENGTH (LF)	WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0	
CURB RAMP	SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3	
CONC. SIDEWALK	SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	16.5	19.4	-	19.2	22.7	-	21.1	25.0	
ADA LINEAR GRADING	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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	

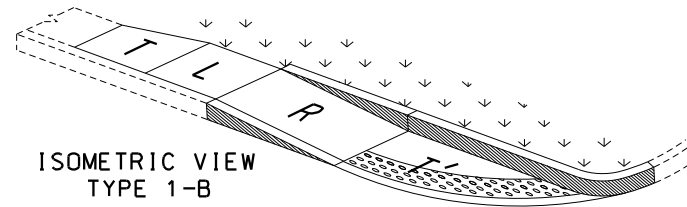
TYPE 1-D		8			12			16			REMARKS
LENGTH (LF)	WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP	SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3	
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7	
ADA LINEAR 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		8			12			16			REMARKS
LENGTH (LF)	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	-	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	

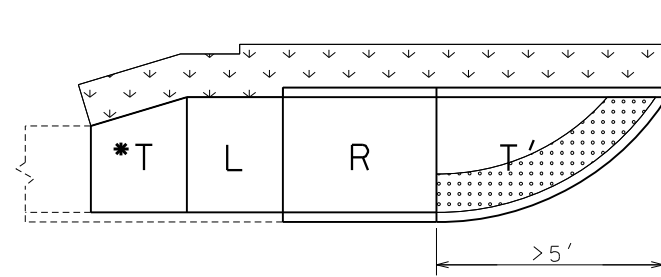
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LENGTH (LF)	WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0	
CURB RAMP	SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	26.7	31.8	-	32.0	38.0	-	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	



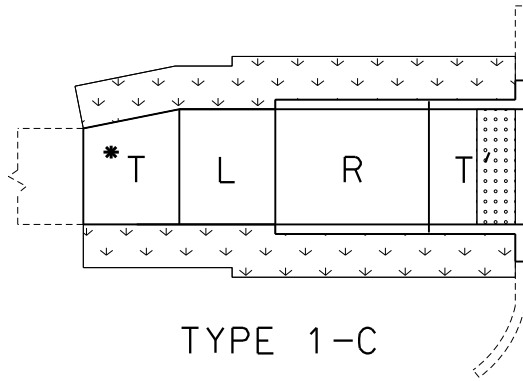
TYPE 1-A



ISOMETRIC VIEW
TYPE 1-B



TYPE 1-B



TYPE 1-C

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

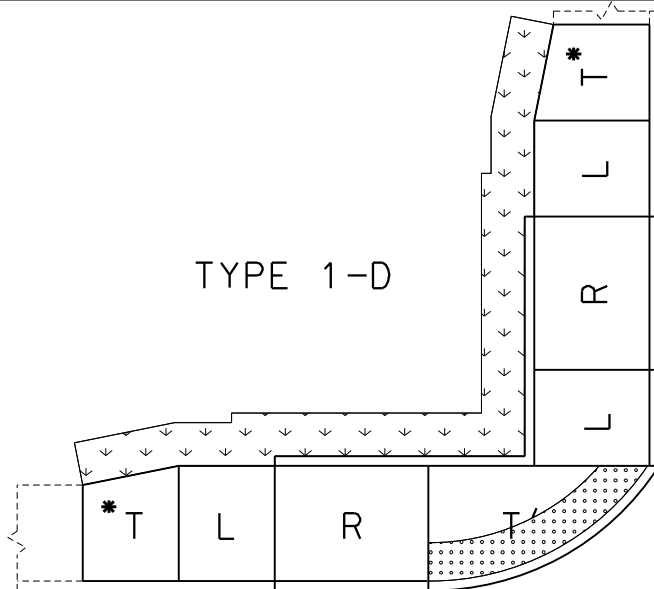
- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

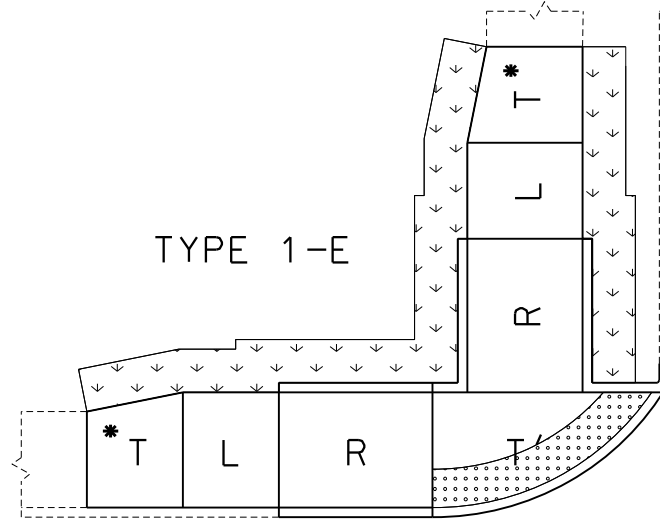
- TRUNCATED DOME LOCATION, IF DIST. IS < 5' OR > 5'

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

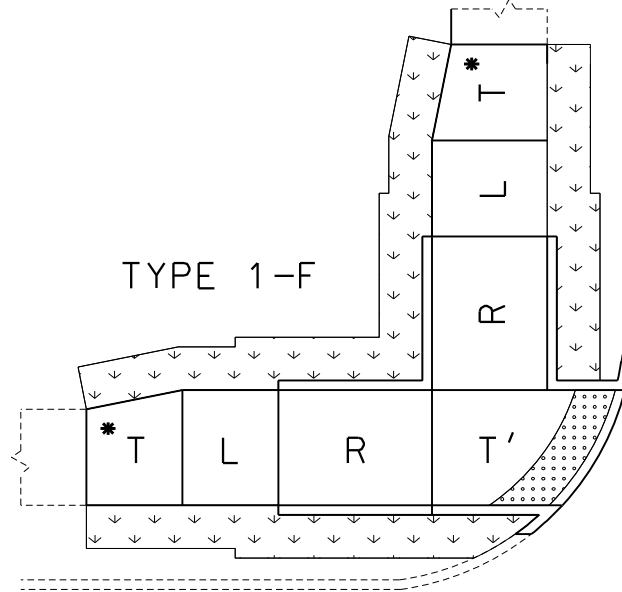
NOTE: QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 1-D



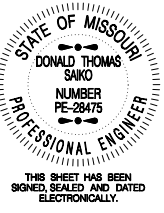
TYPE 1-E



TYPE 1-F

TYPE 1
 PERPENDICULAR
 CURB RAMPS

TYPICAL SHEET
 2 OF 9



DATE PREPARED	5/27/2025
ROUTE	LP44
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	GREENE
JOB NO.	J8P3144
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

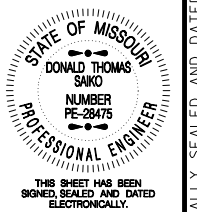
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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 7410 NW TIFFANY SPRINGS
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 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
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DATE PREPARED	5/27/2025
ROUTE	LP44
STATE	MO
DISTRICT	SW
SHEET NO.	2
COUNTY	GREENE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
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CERTIFICATE OF AUTHORITY
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PARALLEL - TYPE 2

TYPE 2-A		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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

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

** 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

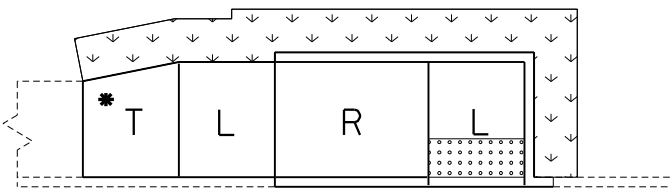
T - TRANSITION TO EXISTING SW
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK. (IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

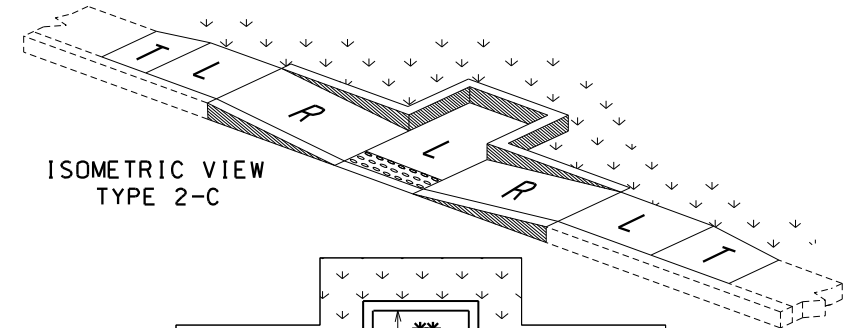
R - RAMP

↘ - SOD SLOPE 6:1 MIN.

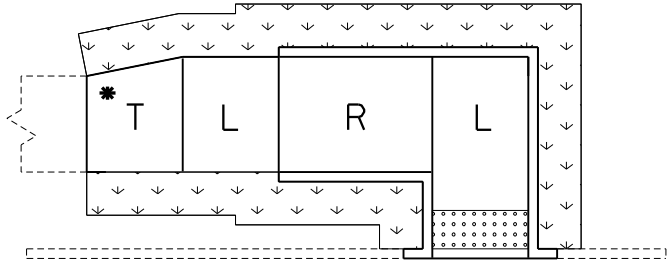
▨ - CURB RAMP PAY LIMITS



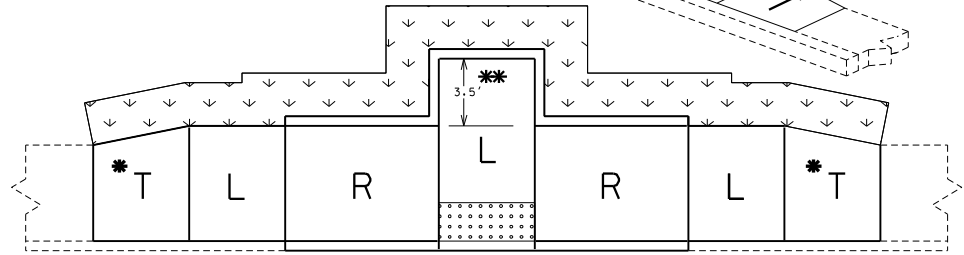
TYPE 2-A



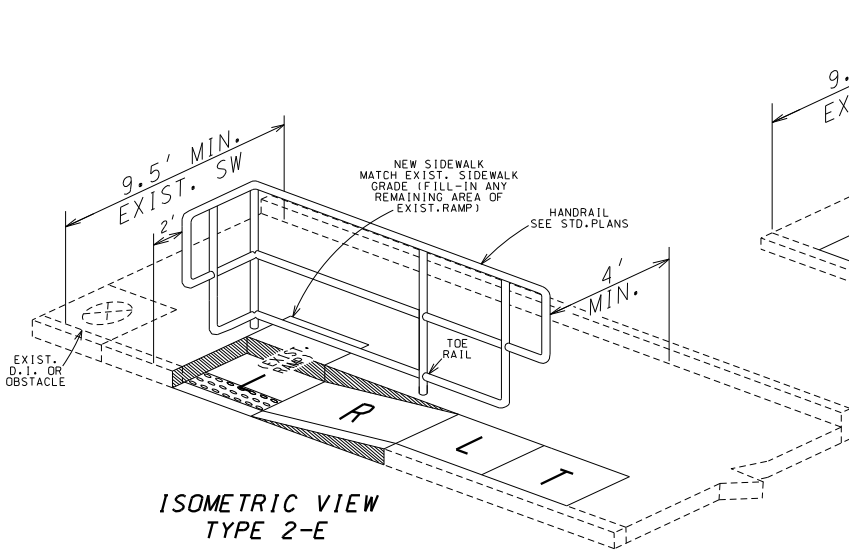
ISOMETRIC VIEW TYPE 2-C



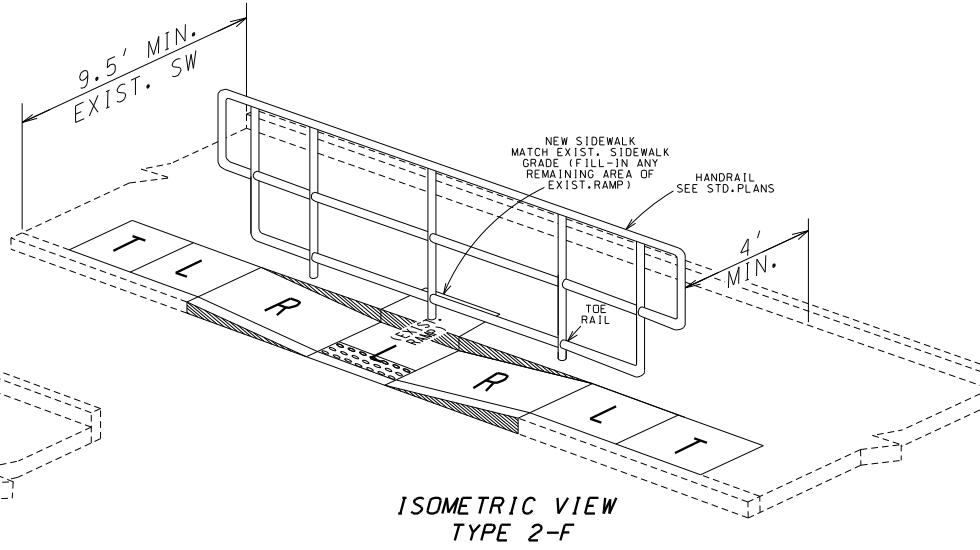
TYPE 2-B



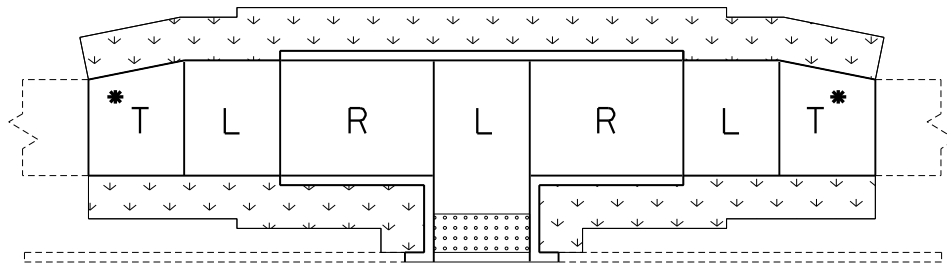
TYPE 2-C



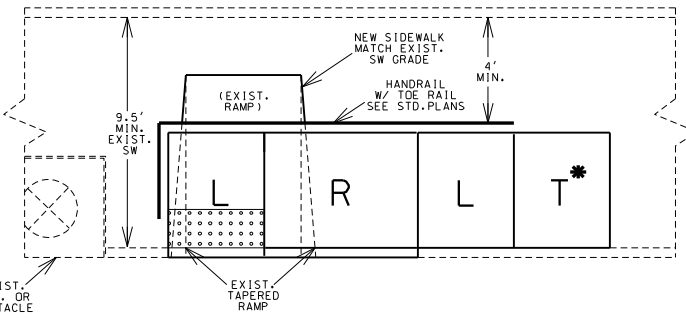
ISOMETRIC VIEW TYPE 2-E



ISOMETRIC VIEW TYPE 2-F

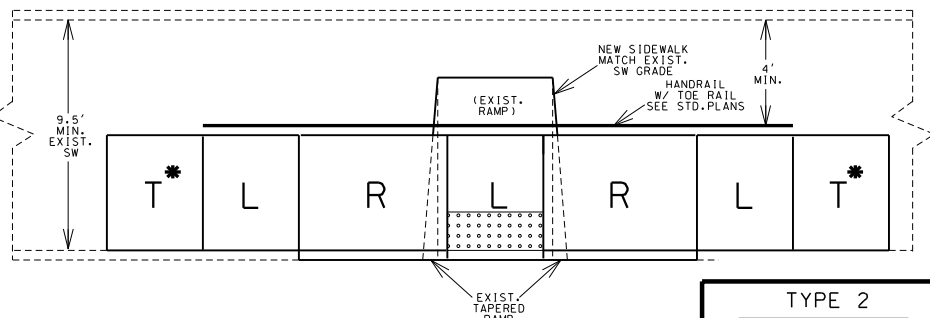


TYPE 2-D



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

TYPE 2
PARALLEL CURB RAMPS
TYPICAL SHEET
3 OF 9

PARALLEL - TYPE 2 (cont'd.)

REVISED: 2022-05-18

TYPE 2-G		8			12			16			REMARKS
LENGTH (LF)	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	-	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		8			12			16			REMARKS
LENGTH (LF)	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	-	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.

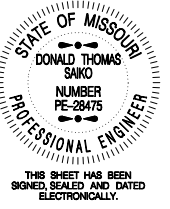
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR >5'

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.



DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO

DISTRICT SW SHEET NO. 2

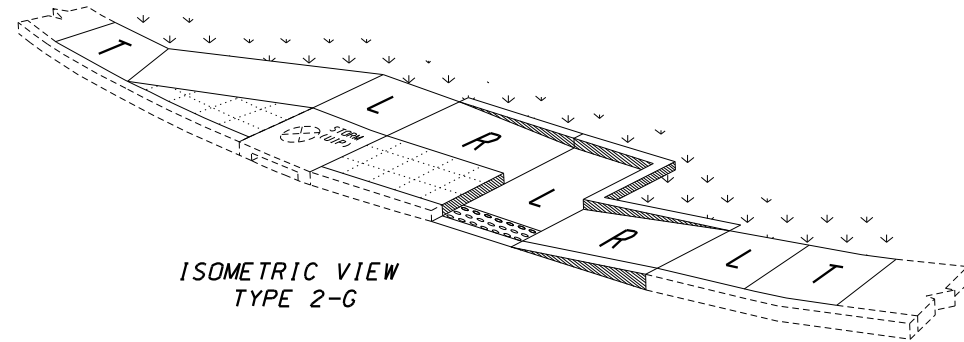
COUNTY GREENE

JOB NO. J8P3144

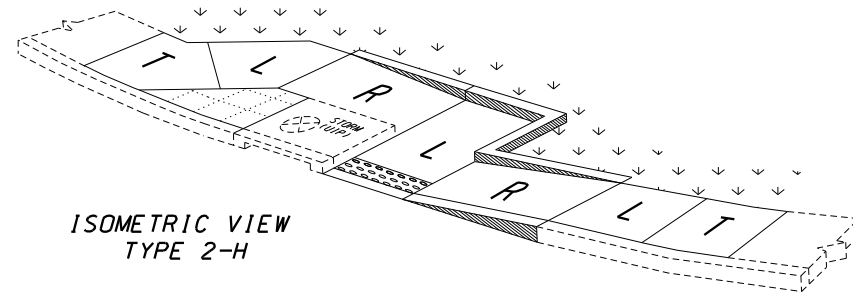
CONTRACT ID.

PROJECT NO.

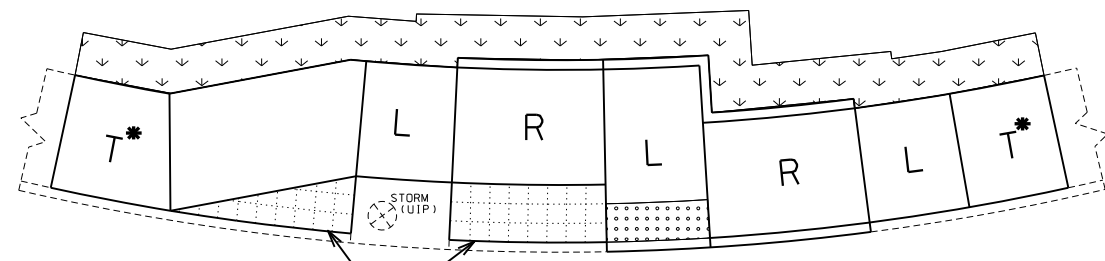
BRIDGE NO.



ISOMETRIC VIEW
TYPE 2-G

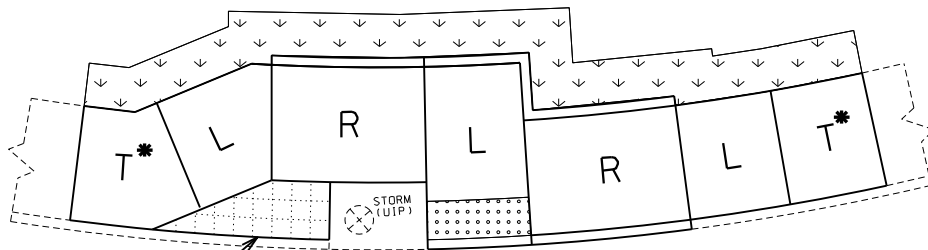


ISOMETRIC VIEW
TYPE 2-H



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

TYPE 2-G



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

TYPE 2-H

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

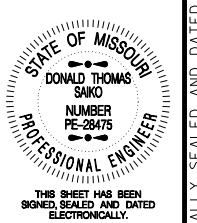
ADA LIBRARY TYPICAL

TYPE 2
PARALLEL
CURB RAMPS

TYPICAL SHEET
4 OF 9



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



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
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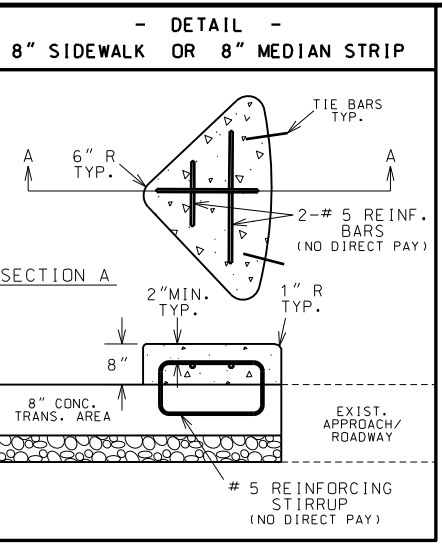
DIAGONAL - TYPE 3											
TYPE 3-A	LENGTH (LF)	8			12			16			REMARKS
		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0		
CURB RAMP SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4		
CONC. SIDEWALK SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4		
TYPE 1 AGGREGATE SY	-	35.6	39.8	-	36.7	42.6	-	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

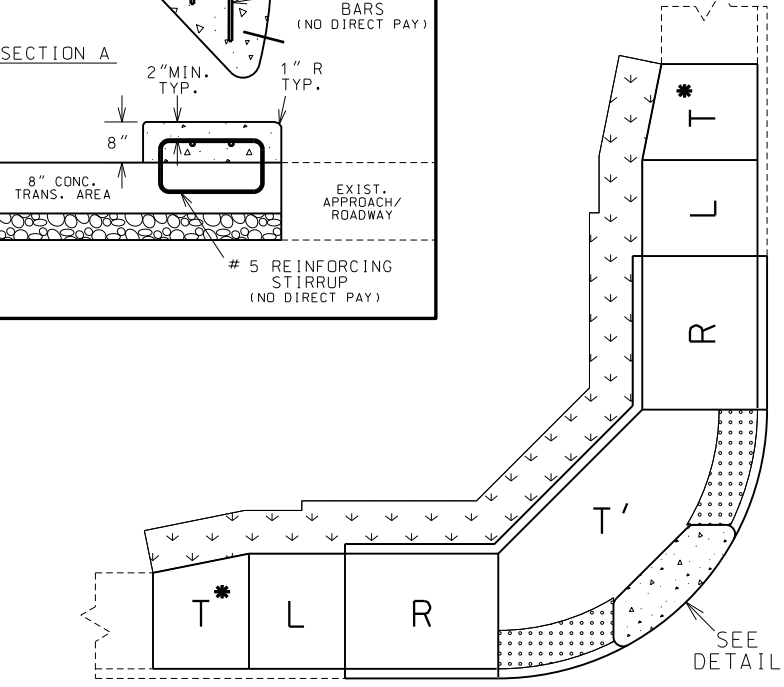
R - RAMP

▨ - CURB RAMP PAY LIMITS

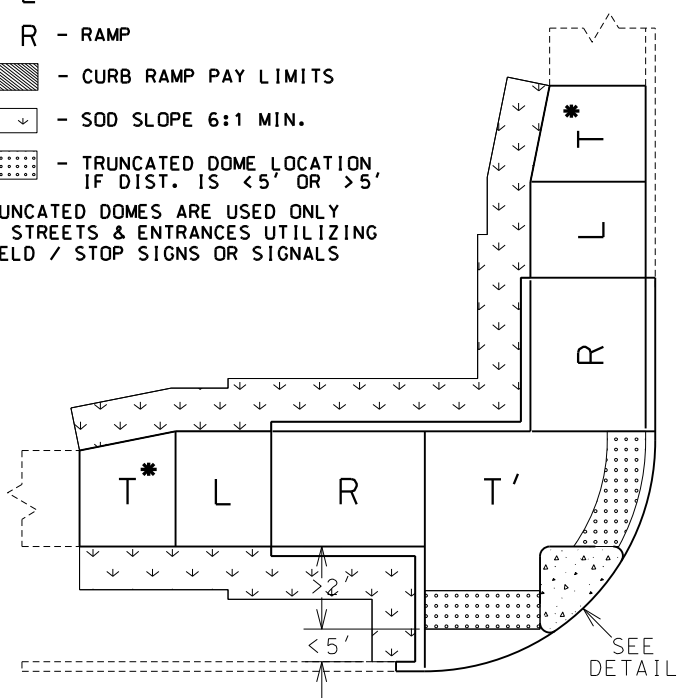
↙ ↘ - SOD SLOPE 6:1 MIN.

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

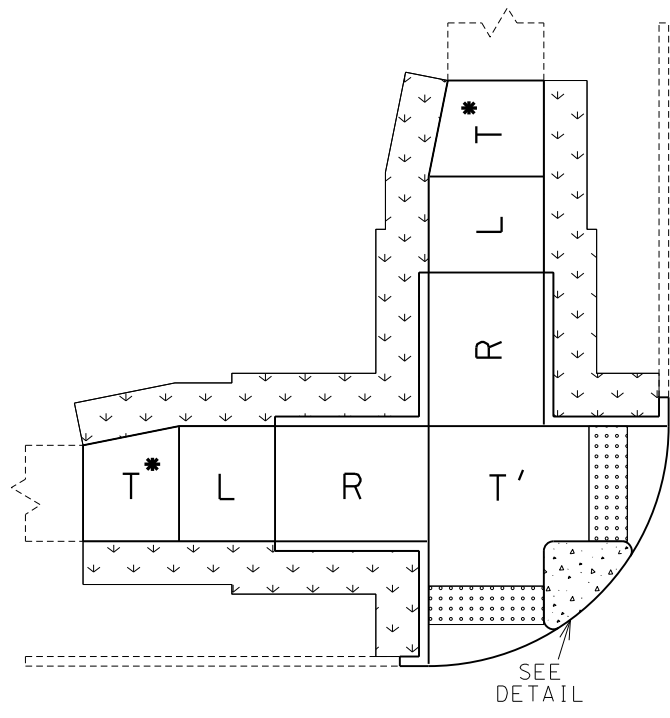
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



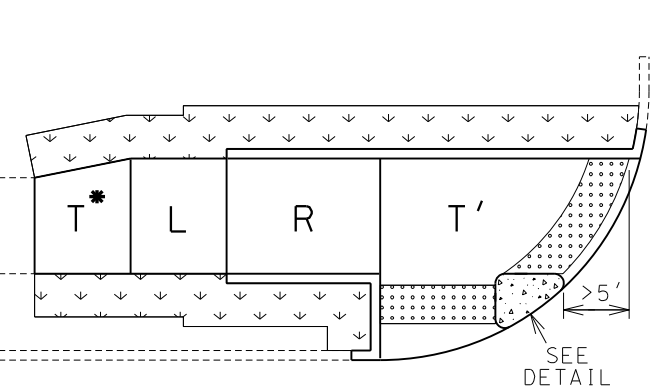
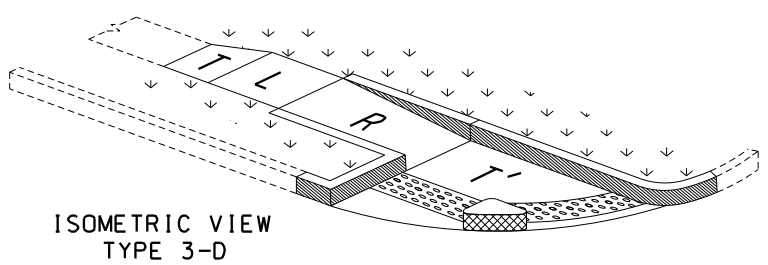
TYPE 3-A



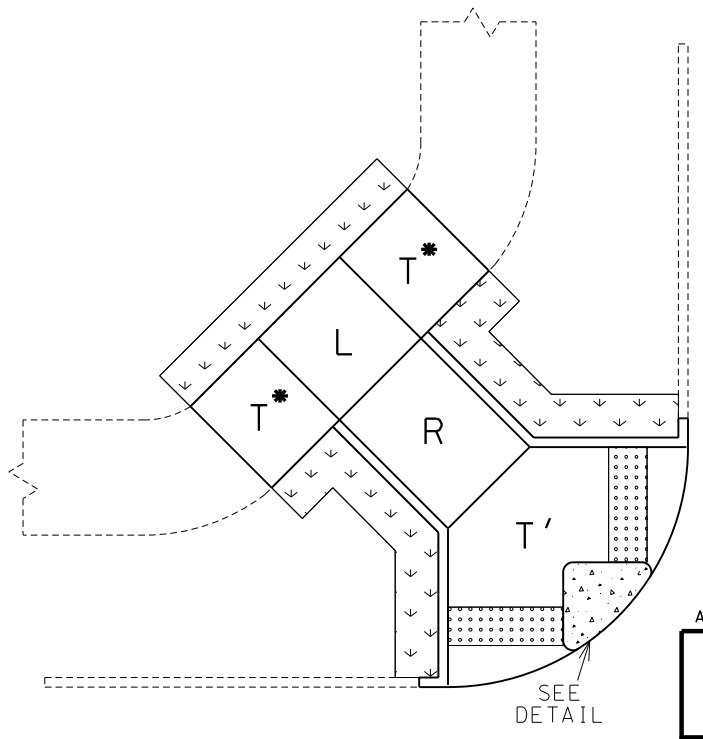
TYPE 3-B



TYPE 3-C



TYPE 3-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3

DIAGONAL CURB RAMPS

TYPICAL SHEET

5 OF 9



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 5/27/2025

ROUTE: LP44 STATE: MO

DISTRICT: SW SHEET NO.: 2

COUNTY: GREENE

JOB NO.: J8P3144

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)

Garver, LLC

7410 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY

NO. 2008013090

Garver logo

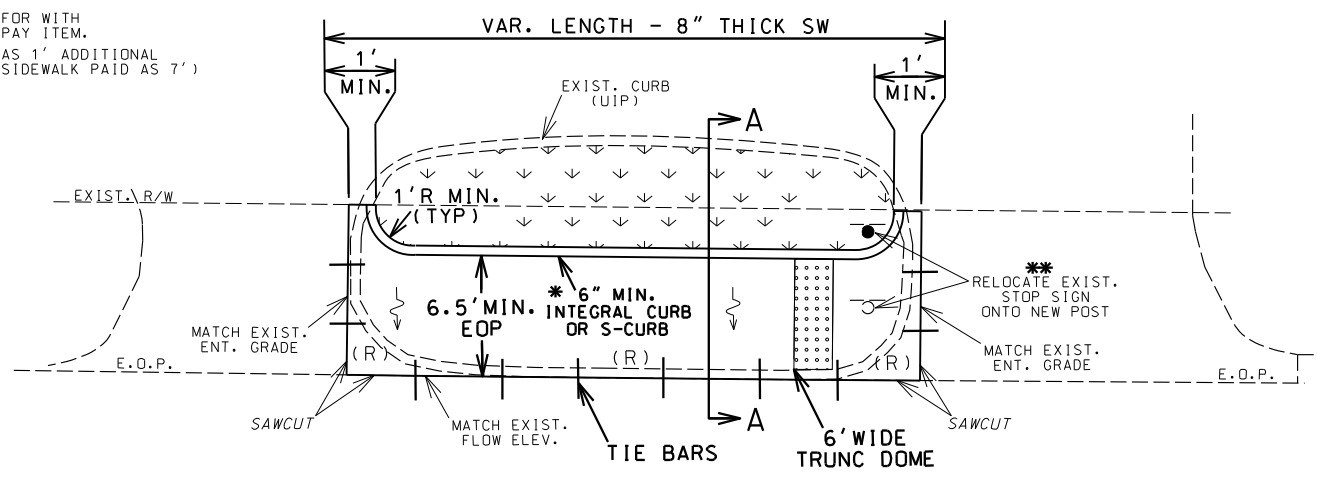
NOTES FOR MODIFIED SIDEWALK:

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

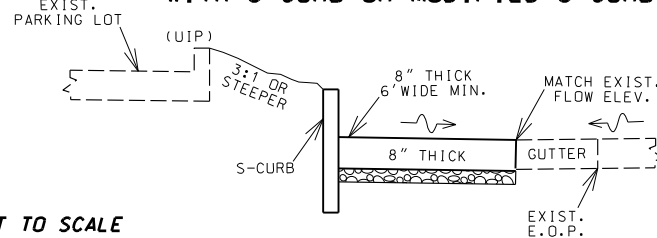
* INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
 INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6' SIDEWALK PAID AS 7') (0.11 SY/LF OF CURB)

TYPICAL MODIFIED SIDEWALK 8" THICK

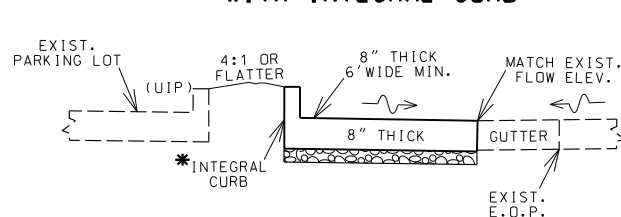
** TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.



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



SECTION A-A WITH INTEGRAL CURB



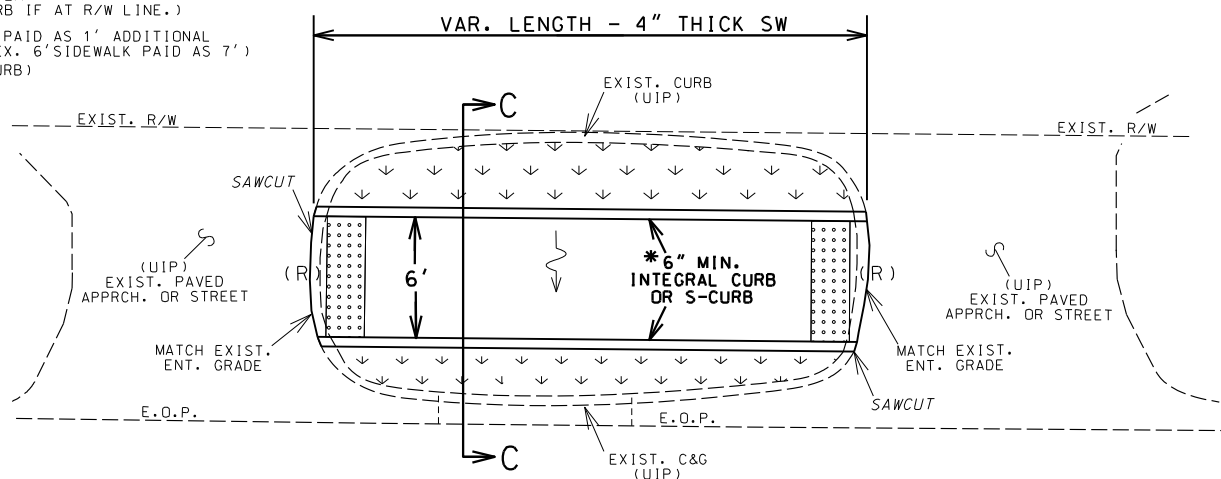
NOT TO SCALE

NOTES FOR CUT-THRU SIDEWALK:

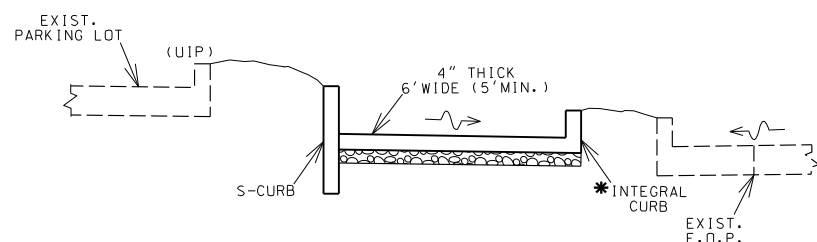
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU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

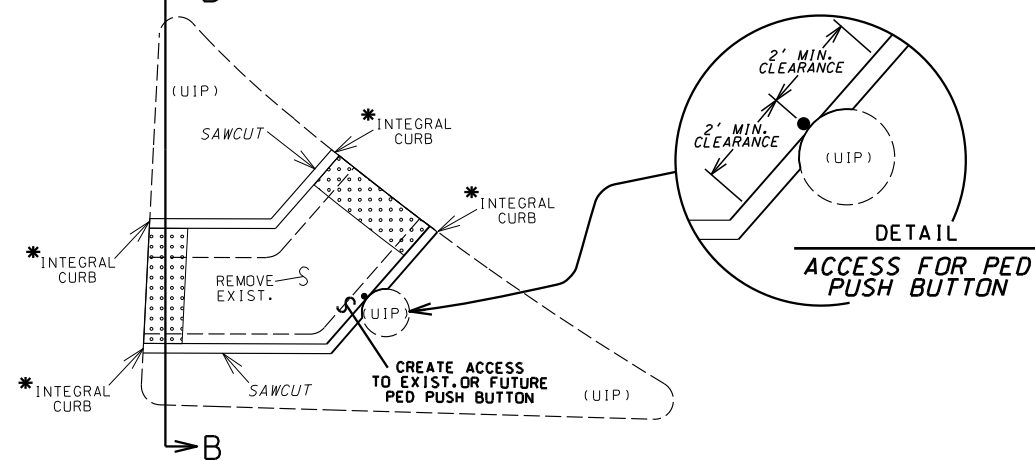


SECTION C-C WITH S-CURB OR INTEGRAL



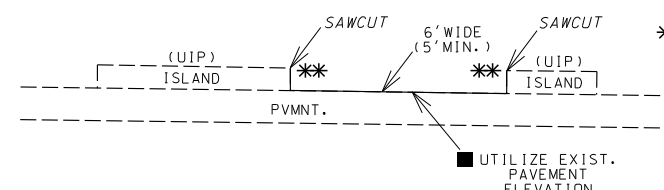
NOT TO SCALE

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

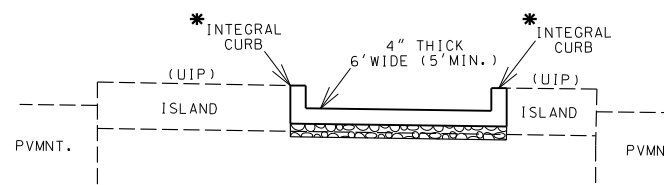


DETAIL ACCESS FOR PED PUSH BUTTON

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



SECTION B-B ISLAND CUT-THRU SIDEWALK



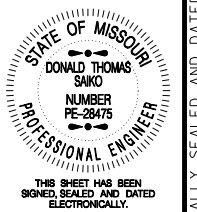
■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)

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

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

MODIFIED SIDEWALK AND SIDEWALK CUT-THRU'S

TYPICAL SHEET 6 OF 9

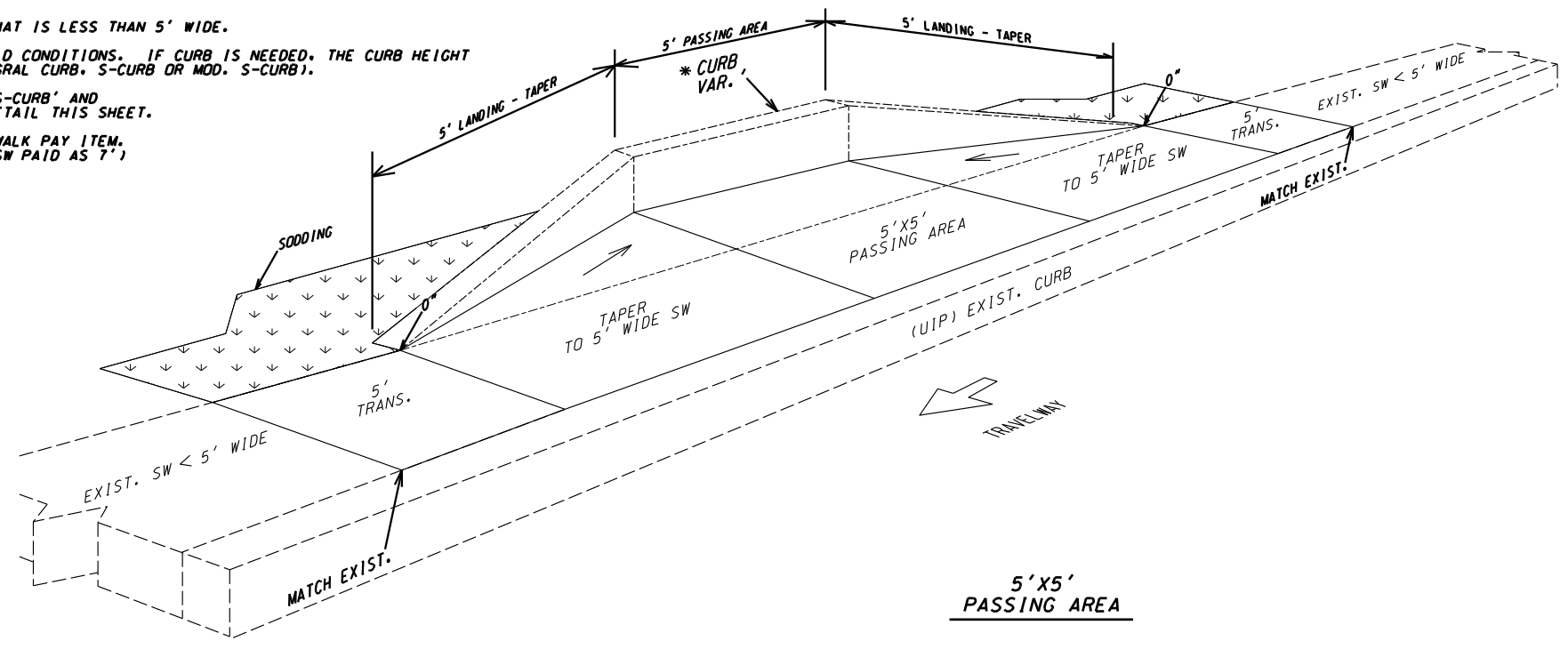


DATE PREPARED
5/27/2025

ROUTE	STATE
LP44	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
GREENE	
JOB NO.	
J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

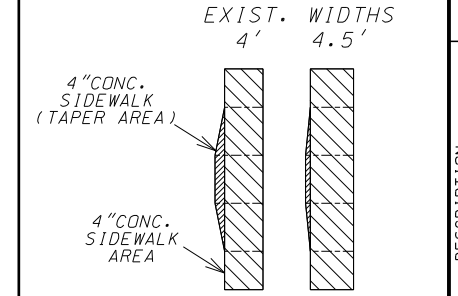
NOTES:

- PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.
- 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).
- S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
- INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7')



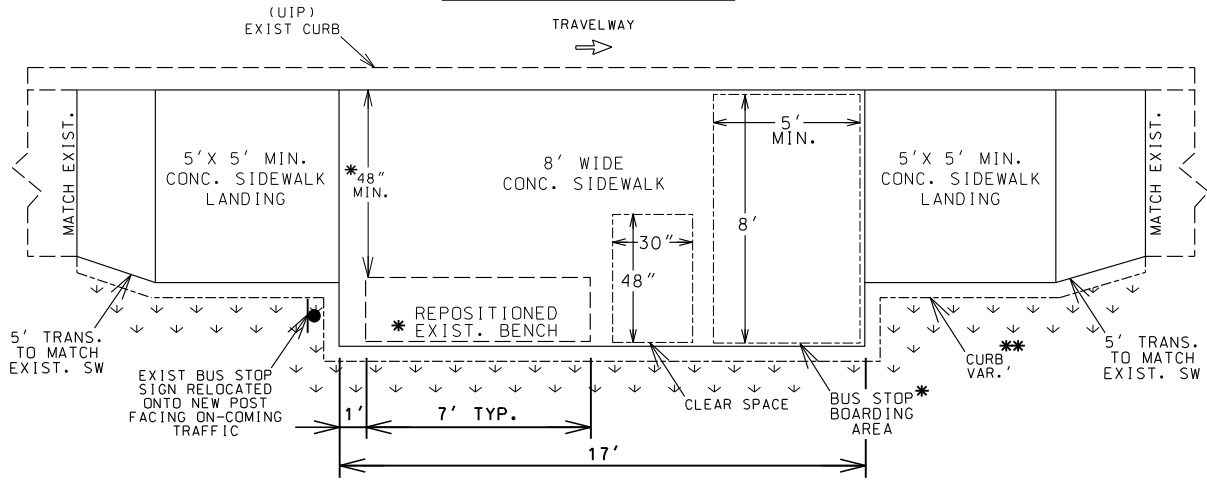
QUANTITIES FOR PASSING AREAS

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
MODIFIED S-CURB	LF 17.2	16.0
SODDING	SY 53.0	53.0
LINEAR GRADING	LF 25.0	25.0



NOT TO SCALE

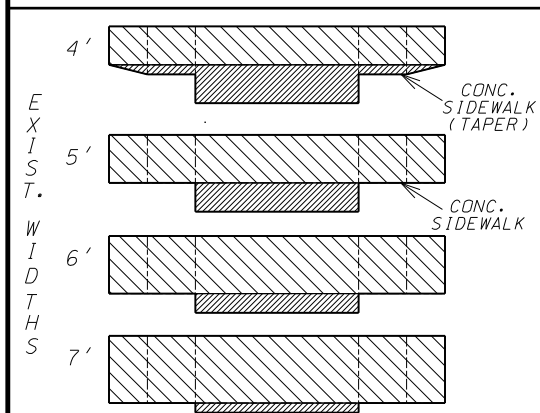
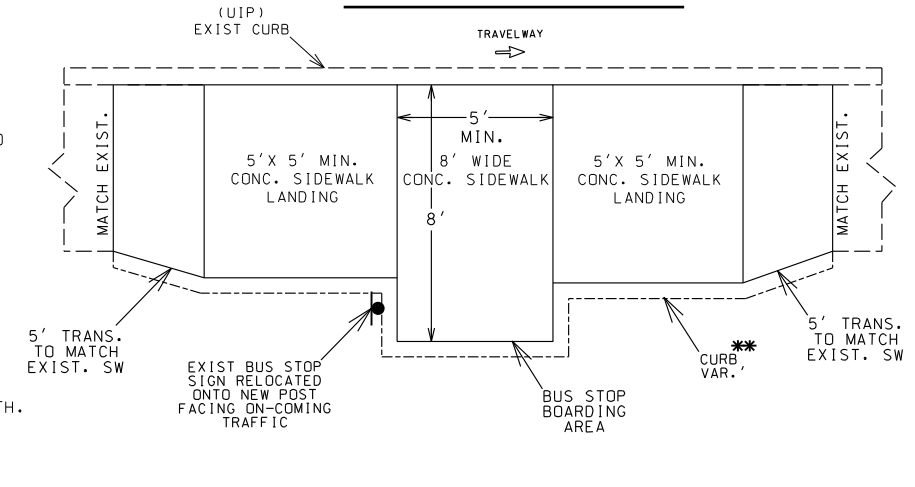
BUS STOP WITH BENCH



NOTES:

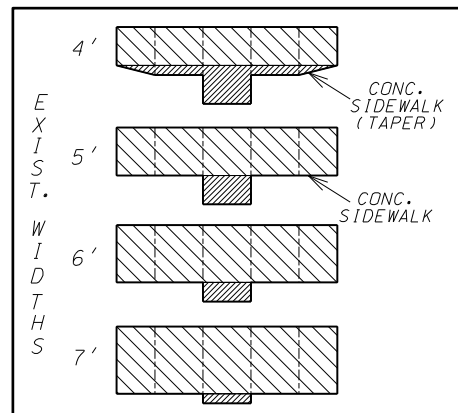
- THE REPOSITIONED BENCH SHALL NOT BE PLACED ON THE 5'x8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX. CLEARANCE.
- CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT, THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB, S-CURB OR MOD. S-CURB).
- S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
- 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)

BUS STOP WITHOUT BENCH



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
MODIFIED 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



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
MODIFIED 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 9

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



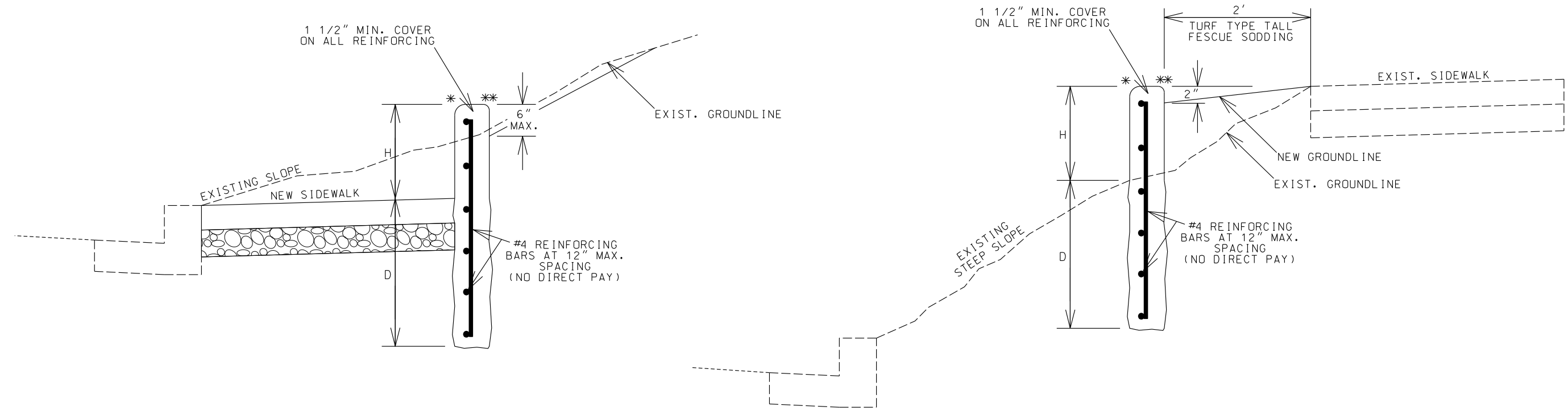
GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090



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

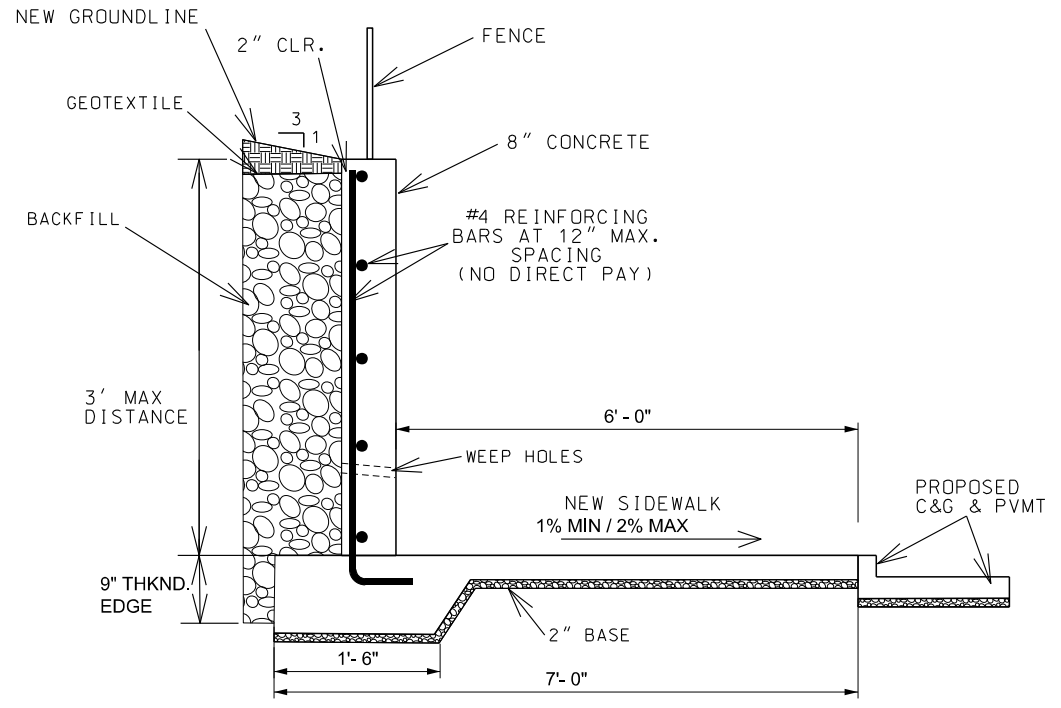
* ROUND TO 3/4" RADIUS
 ** ROUND TO 1/4" RADIUS
 H = 2'-6" MAX. (30")
 D = BURY DEPTH (FORMING NOT REQUIRED)
 THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
 VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
 DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

MODIFIED S-CURB
> 12" TALL (2'-6" MAX.)

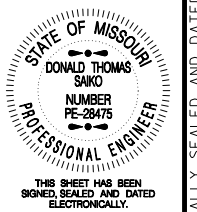


NOT TO SCALE

MODIFIED S-CURB
> 12" TALL (3'-0" MAX.)
POURED CONCRETE SIDEWALK WALL



NOT TO SCALE



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. J8P3144	
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)

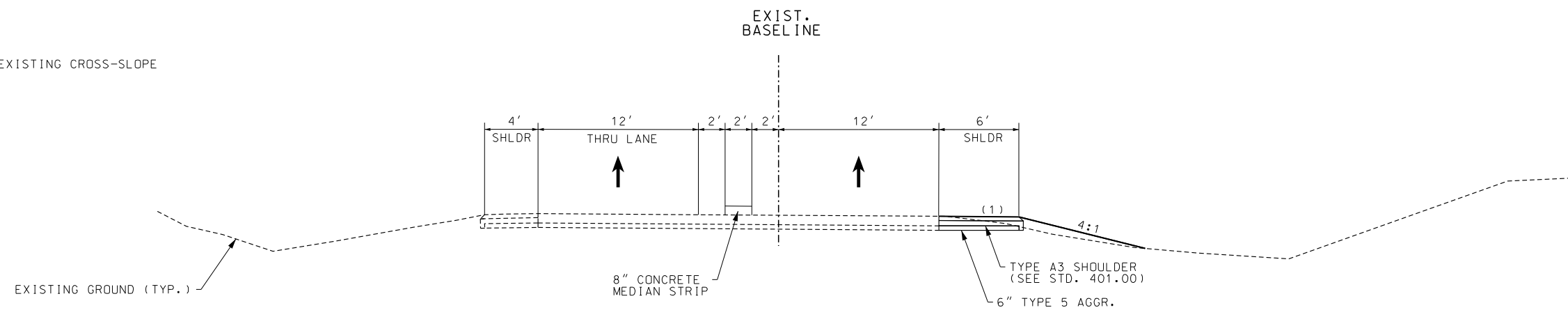
GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

MODIFIED S-CURB
 TYPICAL SHEET
 8 OF 9

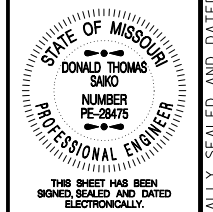


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

(1) MATCH EXISTING CROSS-SLOPE



SECTION ON TANGENT
 TYPICAL SECTION US 65 SB RAMP
 STA. 1+25.04 TO STA. 5+84.72



DATE PREPARED
 5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY GREENE	
JOB NO. J8P3144	
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)

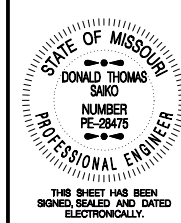
GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



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

REMOVAL OF IMPROVEMENTS								
SHEET	ROADWAY	STA	STA	LOCATION	DESCRIPTION	UNIT	AMOUNT	REMARKS
4	LP44	692+81	693+39	RT	DWY REMOVAL	SY	108.9	
5	LP44	697+35	697+92	RT	DWY REMOVAL	SY	59.5	
5	LP44	700+46	700+71	LT	CURB	LF	28.0	
5	LP44	700+58	701+40	LT	DWY REMOVAL	SY	122.5	
5	LP44	700+71	701+27	LT	SLOTTED DRAIN	LF	56.0	
5	LP44	700+72	701+46	LT	PIPE	LF	74.0	
6	LP44	754+08	754+61	LT	DWY REMOVAL	SY	66.5	
6	LP44	757+80	758+16	RT	DWY REMOVAL	SY	22.0	
7	LP44	790+25	790+83	LT	DWY REMOVAL	SY	68.2	
7	LP44	792+82	793+26	RT	DWY REMOVAL	SY	48.8	
8	LP44	802+77	803+31	LT	DWY REMOVAL	SY	57.7	
9	LP44	804+05	804+67	RT	DWY REMOVAL	SY	72.0	
9	LP44	805+40	805+98	RT	DWY REMOVAL	SY	74.0	
9	LP44	806+56	807+18	RT	DWY REMOVAL	SY	71.3	
9	LP44	808+42	808+69	RT	DWY REMOVAL	SY	21.5	
9	LP44	808+90		RT	SIGN	EA	1.0	
9	LP44	809+10	809+63	RT	DWY REMOVAL	SY	63.0	
10	LP44	815+43	816+01	RT	DWY REMOVAL	SY	64.7	
11	LP44	99+02	99+77	LT	CURB	LF	78.0	NW QUAD AT GRANT
11	LP44	99+02	99+66	LT	WALL	LF	79.0	NW QUAD AT GRANT
11	LP44	99+30		LT	FIRE HYDRANT	EA	1.0	NW QUAD AT GRANT
11	LP44	99+32		LT	WATER METER	EA	1.0	NW QUAD AT GRANT
11	LP44	99+37		LT	LIGHT POLE	EA	1.0	NW QUAD AT GRANT
11	LP44	99+46	99+71	LT	CURB	LF	38.0	NW QUAD AT GRANT
11	LP44	99+63		LT	SIGNAL POLE	EA	1.0	NW QUAD AT GRANT
11	LP44	99+66	99+72	LT	TRUNCATED DOMES	EA	1.0	NW QUAD AT GRANT
11	LP44	99+68		LT	PULL BOX	EA	1.0	NW QUAD AT GRANT
11	LP44	100+12		LT	SIGNAL POLE AND MAST ARMS	EA	1.0	NORTH GRANT MEDIAN ISLAND
11	LP44	100+40	100+48	LT	CONCRETE ISLAND REMOVAL	SY	2.8	NE QUAD AT GRANT
11	LP44	100+43	100+56	LT	CURB	LF	59.0	NE QUAD AT GRANT
11	LP44	100+45	100+48	LT	TRUNCATED DOMES	EA	1.0	NE QUAD AT GRANT
11	LP44	100+47	100+62	LT	CONCRETE ISLAND REMOVAL	SY	7.6	NE QUAD AT GRANT
11	LP44	100+50	100+77	LT	WALL	LF	70.0	NE QUAD AT GRANT
11	LP44	100+51		LT	SIGNAL POLE	EA	1.0	NE QUAD AT GRANT
11	LP44	100+53	100+73	LT	ASPHALT CURB	LF	58.0	NE QUAD AT GRANT
▲ 11	LP44	100+62	100+42	LT	TRUNCATED DOMES	EA	1.0	NE QUAD AT GRANT
11	LP44	100+41		LT	SIGNAL POLE	EA	1.0	NE QUAD AT GRANT
11	LP44	100+45		LT	GAS VALVE	EA	1.0	NE QUAD AT GRANT
11	LP44	100+70		LT	PULLBOX	EA	1.0	NE QUAD AT GRANT
11	LP44	100+75		LT	LIGHT POLE	EA	1.0	NE QUAD AT GRANT
▲ 11	LP44	100+51	100+38	RT	CONCRETE ISLAND REMOVAL	SY	11.8	E MEDIAN AT GRANT
11	LP44	100+63		RT	SIGNAL POLE AND MAST ARMS	EA	1.0	E MEDIAN AT GRANT
11	LP44	100+38	100+43	RT	TRUNCATED DOMES	EA	2.0	E MEDIAN AT GRANT
11	LP44	100+43	100+92	RT	CONCRETE ISLAND REMOVAL	SY	16.5	E MEDIAN AT GRANT
11	LP44	100+45		RT	SIGNAL POLE	EA	1.0	E MEDIAN AT GRANT
11	LP44	100+49		RT	PULLBOX	EA	1.0	E MEDIAN AT GRANT
11	LP44	100+38	100+99	RT	CURB	LF	158.0	SE QUAD AT GRANT
11	LP44	100+57	100+62	RT	TRUNCATED DOMES	EA	1.0	SE QUAD AT GRANT
11	LP44	100+62		RT	SIGNAL CABINET	EA	1.0	SE QUAD AT GRANT
11	LP44	100+63		RT	SIGNAL POLE	EA	1.0	SE QUAD AT GRANT
11	LP44	100+40		RT	PULLBOX	EA	1.0	SE QUAD AT GRANT
11	LP44	100+42		RT	SIGNAL CABINET	EA	1.0	SE QUAD AT GRANT
11	LP44	100+52		RT	POWER POLE	EA	1.0	SE QUAD AT GRANT
11	LP44	100+00	100+04	RT	CONCRETE ISLAND REMOVAL	SY	3.4	SOUTH GRANT MEDIAN ISLAND
11	LP44	99+41	99+73	RT	CONCRETE ISLAND REMOVAL	SY	51.9	SW QUAD AT GRANT MEDIAN ISLAND
11	LP44	99+63		RT	PULLBOX	EA	1.0	SW QUAD AT GRANT MEDIAN ISLAND
11	LP44	99+68		RT	SIGNAL POLE AND MAST ARM	EA	1.0	SW QUAD AT GRANT MEDIAN ISLAND
11	LP44	98+67	99+75	RT	CURB	LF	133.0	SW QUAD AT GRANT
11	LP44	99+60		RT	SIGN	EA	1.0	SW QUAD AT GRANT
11	LP44	99+05	99+71	LT/RT	CONCRETE ISLAND REMOVAL	SY	33.0	W MEDIAN AT GRANT
11	LP44	99+59		LT	SIGNAL POLE AND MAST ARM	EA	1.0	W MEDIAN AT GRANT
12	LP44	125+87		LT	LIGHT POLE	EA	1.0	NW QUAD AT JEFFERSON
12	LP44	125+89	126+02	LT	CURB	LF	27.0	NW QUAD AT JEFFERSON
12	LP44	126+00		LT	SIGNAL POLE	EA	1.0	NW QUAD AT JEFFERSON
12	LP44	126+07		LT	SIGN	EA	1.0	NW QUAD AT JEFFERSON
12	LP44	126+63	126+75	LT	CURB	LF	28.0	NW QUAD AT JEFFERSON
12	LP44	126+65		LT	SIGNAL POLE	EA	1.0	NE QUAD AT JEFFERSON
12	LP44	126+65		LT	SIGN	EA	1.0	NE QUAD AT JEFFERSON
12	LP44	126+67	126+79	LT	CURB	LF	12.0	NE QUAD AT JEFFERSON
12	LP44	126+69		LT	PULLBOX	EA	1.0	NE QUAD AT JEFFERSON
12	LP44	126+54	126+81	RT	CURB	LF	34.0	SE QUAD AT JEFFERSON
12	LP44	126+57		RT	SIGNAL POLE	EA	1.0	SE QUAD AT JEFFERSON
12	LP44	126+67		RT	DROP INLET	EA	1.0	SE QUAD AT JEFFERSON
12	LP44	126+73	126+94	RT	PIPE	LF	20.0	SE QUAD AT JEFFERSON
12	LP44	126+76		RT	LIGHT POLE BASE	EA	1.0	SE QUAD AT JEFFERSON
12	LP44	125+96	126+14	RT	CONCRETE ISLAND REMOVAL	SY	16.6	SW QUAD AT JEFFERSON MEDIAN ISLAND
						TOTAL	LUMP SUM	

▲ STATION EQUATION:
STA 100+63.72 BK =
STA 100+37.52 AH



DATE PREPARED
7/7/2025

ROUTE STATE
LP44 MO
DISTRICT SHEET NO.
SW 3

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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

SUMMARY OF QUANTITIES
SHEET 1 OF 6

REMOVAL OF IMPROVEMENTS CONT.								
SHEET	ROADWAY	STA	STA	LOCATION	DESCRIPTION	UNIT	AMOUNT	REMARKS
12	LP44	125+11	126+17	RT	CURB	LF	151.9	SW QUAD AT JEFFERSON
12	LP44	125+41		RT	DROP INLET	EA	1.0	SW QUAD AT JEFFERSON
12	LP44	125+44		RT	LIGHT POLE BASE	EA	1.0	SW QUAD AT JEFFERSON
12	LP44	125+79		RT	TREE	EA	1.0	SW QUAD AT JEFFERSON
12	LP44	125+93		RT	SIGN	EA	1.0	SW QUAD AT JEFFERSON
13	LP44	25+62	29+51	LT	CURB	LF	387.0	NE QUAD AT INGRAM MILL
13	LP44	28+00		LT	SIGN	EA	1.0	NW QUAD AT US65 SB OFF RAMP
13-14	LP44	28+95	28+82	RT	CURB	LF	129.0	SW QUAD AT US65 SB OFF RAMP
13	LP44	29+00		LT	PULLBOX	EA	1.0	NW QUAD AT US65 SB OFF RAMP
13	LP44	29+29	29+51	RT	SIDEWALK	SY	6.1	SW QUAD AT US65 SB OFF RAMP
13	LP44	29+35	29+49	RT	PIPE	LF	13.0	SW QUAD AT US65 SB OFF RAMP
13	LP44	29+49		RT	DROP INLET	EA	1.0	SW QUAD AT US65 SB OFF RAMP
13	LP44	29+49	29+55	RT	PIPE	LF	11.0	SW QUAD AT US65 SB OFF RAMP
13	LP44	29+54	29+59	RT	TRUNCATED DOMES	EA	1.0	SW QUAD AT US65 SB OFF RAMP
14	SB US65 OFF RAMP	0+77	0+84	LT/RT	CONCRETE ISLAND REMOVAL	SY	4.1	MEDIAN AT US65 SB ON RAMP
14	SB US65 OFF RAMP	0+96	1+49	r+	EXISTING PAVEMENT	SY	14.5	SW QUAD OF US65 SB ON RAMP
15	LP44	30+01		LT	PULLBOX	EA	2.0	MEDIAN ISLAND AT US65 SB OFF RAMP
15	LP44	30+52	30+57	LT	CURB	LF	8.0	NE QUAD OF US65 SB OFF RAMP
15	LP44	30+56	30+63	LT	FLUME	LF	12.0	NE QUAD OF US65 SB OFF RAMP
15-16	LP44	30+63	33+10	LT	CURB	LF	261.0	NE QUAD OF US65 SB OFF RAMP
15	LP44	31+11		LT	SIGN	EA	1.0	NE QUAD OF US65 SB OFF RAMP
15	LP44	33+83		LT	PULLBOX	EA	1.0	MEDIAN ISLAND AT US65 NB ON RAMP
15	LP44	33+85		LT	PULLBOX	EA	1.0	MEDIAN ISLAND AT US65 NB ON RAMP
15	LP44	34+15	38+08	LT	CURB	LF	395.0	NE QUAD OF US65 NB ON RAMP
16	LP44	35+91		LT	SIGN	EA	1.0	NE QUAD OF US65 NB ON RAMP
							TOTAL	LUMP SUM

▲ STATION EQUATION:
STA 100+63.72 BK =
STA 100+37.52 AH

MOBILIZATION
LUMP SUM

MOBILIZATION FOR SEEDING
2 OCCURANCES

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM

SIDEWALK HAND-RAILING WITHOUT BALUSTERS					
SHEET	STA.	STA.	LOC.	SIDEWALK HAND-RAILING (LF)	REMARKS
13	25+69	25+88	52' LT	19	NE QUAD INGRAM MILL
				TOTAL	19.0

PAVEMENT								
SHEET	STA.	STA.	LOC.	9" PCCP (SY)	10" PCCP (SY)	A3 SHOULDER (SY)	TYPE 5 AGGREGATE FOR BASE (6") (SY)	REMARKS
11	99+71.00	99+76.00	RT	101.5			101.5	GRANT SW QUAD
11	99+04.00	99+73.00	LT/RT	42			42.0	ISLAND REMOVAL, WEST GRANT
11	100+00.00	100+04.00	RT	3.7			3.7	ISLAND REMOVAL SOUTH GRANT
▲ 11	100+49.00	101+02.00	RT	58.2			58.2	ISLAND REMOVAL, EAST GRANT
12	125+22.00	126+21.00	RT	92.5			92.5	JEFFERSON SW QUAD
13	29+28.00	29+84.00	RT		18.1		18.1	WEST OF US65 SW QUAD
14	1+25.00	5+85.00	RT			356.0	356.0	US65 ON RAMP
				SUBTOTAL	297.9	18.1	672.0	
				USE	297.9	18.1	672	

PERMANENT EROSION CONTROL						
SHEET	ROADWAY	STA.	STA.	LOC.	ROCK LINING (CY)	REMARKS
14	US 65	3+19.63	3+23.63	RT	1.8	US 65 SB ON RAMP
					TOTAL	2

TEMPORARY EROSION CONTROL								
SHEET	ROADWAY	LOC	CROSS STREET	SILT FENCE	ROCK DITCH CHECK	CURB INLET CHECK	SEDIMENT REMOVAL	REMARKS
				L.F.	LF.	EA.	C.Y.	
4	LP44	RT		60		1	1.8	
5	LP44	LT & RT		240		4	7.2	
6	LP44	LT & RT		90			0.9	
7	LP44	LT & RT		100		1	2.2	
8	LP44	LT		60		1	1.8	
9	LP44	RT		225		1	3.5	
10	LP44	RT		50		1	1.7	
11	LP44	LT & RT	GRANT AVE.	375			3.8	
12	LP44	LT & RT	JEFFERSON AVE.	260		4	7.4	
13	LP44	LT & RT	INGRAM MILL AVE.	550		3	9.1	
14	LP44	RT	RAMP	540	150		15.4	
15	LP44	LT	US 65 RAMPS	405	60		10.1	
16	LP44	LT		450			4.5	
				SUBTOTAL	3405	210	69	
				USE	3405	210	69	

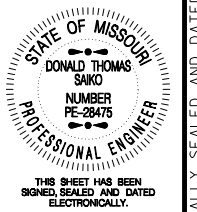
PAVEMENT MARKING REMOVAL						
SHEET	ROADWAY	STA.	STA.	LOC.	PAVEMENT MARKING REMOVAL* (LF)	REMARKS
92	LP44	100+40	100+62	LT	119.8	NW GRANT AVE EDGE LINES, STOP BAR, AND MIDBLOCKS
▲ 92	LP44	100+59	100+41	RT	44.0	SW GRANT AVE MID BLOCKS
92	LP44	100+04	100+51.00	RT	98.2	S GRANT AVE EDGE LINES AND STOP BARS
92	LP44	99+48	99+65	RT	65.8	NW GRANT AVE EDGE LINES AND STOP BAR
93	LP44	126+03	126+58	LT	108.4	N JEFFERSON AVE EDGE LINE, STOP BAR, AND MIDBLOCKS
93	LP44	126+68	126+81	LT	49.2	NE JEFFERSON AVE EDGE LINES AND STOP BAR
93	LP44	126+61		LT/RT	90.4	E JEFFERSON MID BLOCKS
93	LP44	125+84	126+06	RT	45.7	SW JEFFERSON EDGE LINE AND STOP BAR
					SUBTOTAL	621.5
					USE	622.0

* PAVEMENT MARKING SYMBOLS PAID BY LF QUANTITY

8 IN. CONCRETE MEDIAN STRIP					
SHEET	STA.	STA.	LOC.	8 IN. CONCRETE MEDIAN STRIP (SY)	REMARKS
11	99+17.00	99+74.00	RT	66	SW ISLAND AT GRANT
11	100+58.00	101+02.00	RT	17	E MEDIAN AT GRANT
12	125+66.00	126+15.00	RT	49	SW ISLAND AT JEFFERSON
14	0+77.00	3+85.00	RT	72	SW RAMP ONTO 65
				TOTAL	204.0

PAVED APPROACHES						
SHEET NO.	STA	LOC.	MODIFIED PAVED APPR.	TYPE 5 AGG. FOR BASE (4")	ADA LINEAR GRADING	REMARKS
			(SY)	(SY)	LF	
9	808+89.61	RT	125.7	125.7	22.0	
			SUBTOTAL	125.7	22.0	
			USE	125.7	126	SEE SHEET 5

SUMMARY OF QUANTITIES
SHEET 2 OF 6



DATE PREPARED: 7/7/2025
ROUTE: LP44, STATE: MO, DISTRICT: SW, SHEET NO.: 3
COUNTY: GREENE, JOB NO.: J8P3144, CONTRACT ID., PROJECT NO., BRIDGE NO.

DESCRIPTION	DATE

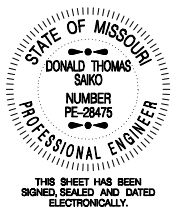
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090



DRAINAGE - PRECAST DROP INLETS AND MANHOLES										
SHEET	STA.	LOC.	STRUCTURE NO.	MANHOLE FRAME AND COVER TYPE 3 (EA)	MANHOLE FRAME AND COVER TYPE 4 (EA)	48" PRECAST CONCRETE MANHOLE (LF)	CURVED VANE GRATE AND FRAME 2' X 2' (EA)	PAY DEPTH		REMARKS
								3' X 2' (LF)	5' X 3' (LF)	
5	701+34.55	LT	A1	1					6	TYPE E PRECAST DROP INLET
12	125+39.00	RT	B1	1					4	TYPE T PRECAST DROP INLET
12	125+40.59	RT	B2		1	4				REMOVE AND REPLACE EXIST. STRUCTURE
12	126+83.70	RT	C1				1	3		TYPE A CURVED VANE GRATE INLET
12	126+67.02	RT	C2		1	4				REMOVE AND REPLACE EXIST. STRUCTURE
13	29+47.30	RT	D1	1					4	TYPE T PRECAST DROP INLET
			TOTAL	3	2	8	1	3	14	

▲ STATION EQUATION:
STA 100+63.72 BK =
STA 100+37.52 AH



DATE PREPARED
7/4/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 3
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DRAINAGE - CULVERTS										
SHEET	STA.	STA.	LOC.	12" GROUP A PIPE (LF)	15" GROUP A PIPE (LF)	18" GROUP A PIPE (LF)	PIPE COLLAR TYPE A (EA)	12" FES (EA)	CLASS 3 EXC. (CY)	REMARKS
5	701+34.55	701+45.54	LT		8		1		17.3	INLET A1 TO EXISTING PIPE
12	125+39.00	125+40.59	RT	4					17.2	INLET B1 TO MH B2
12	126+73.29	126+83.70	RT	7			1		11.3	MH C2 TO INLET C1
12	126+83.70	126+93.63	RT	7			1		7.6	C1 TO EXISTING PIPE
13	29+34.50	29+47.30	RT			11	1		15.0	EXISTING PIPE TO D1
13	29+47.30	29+54.37	RT			7	1		3.2	D1 TO EXIST. PIPE
14	3+21.79	3+21.72	RT	3			1	1	0.8	US65 SB ON RAMP
			TOTAL	21	8	18	6	1	73	

CURB, CURB AND GUTTER								
PLAN SHEET	BEG. STA.	END STA.	LOC.	ASPHALT CURB (LF)	TYPE A CURB AND GUTTER (LF)	TYPE B CURB AND GUTTER (LF)	4" TYPE 1 AGGREGATE (SY)	REMARKS
4	692+81	693+39	RT		58		19.3	DWY REMOVAL
5	697+35	697+93	RT		57		19.0	DWY REMOVAL
5	700+58	701+40	LT		82		27.3	DWY REMOVAL
6	754+08	754+61	LT		53		17.7	DWY REMOVAL
6	757+80	758+16	RT		36		12.0	DWY REMOVAL
7	790+25	790+83	LT		57		19.0	DWY REMOVAL
7	792+82	793+26	RT		43		14.3	DWY REMOVAL
8	802+77	803+34	LT		64		21.3	DWY REMOVAL
9	804+05	804+67	RT		62		20.7	DWY REMOVAL
9	805+40	805+98	RT		57		19.0	DWY REMOVAL
9	806+56	807+18	RT		62		20.7	DWY REMOVAL
9	808+42	808+50	RT		7		2.3	DWY REMOVAL
9	809+30	809+63	RT		33		11.0	DWY REMOVAL
10	815+43	816+01	RT		58		19.3	DWY REMOVAL
11	99+02	99+80	LT			103	34.3	NW QUAD AT GRANT
▲ 11	100+36	100+87	LT			104	34.7	NE QUAD AT GRANT
▲ 11	100+53	100+72	LT	51				NE QUAD AT GRANT
▲ 11	100+35	101+00	RT			134	44.7	SE QUAD AT GRANT
11	98+45	99+78	RT			148	49.3	SW QUAD AT GRANT
12	125+66	126+12	LT			55	18.3	NW QUAD AT JEFFERSON
12	126+52	126+83	LT			59	19.7	NE QUAD AT JEFFERSON
12	126+51	126+87	RT			57	19.0	SE QUAD AT JEFFERSON
12	125+13	126+21	RT			173	57.7	SW QUAD AT JEFFERSON
13	28+95	29+82	RT			100	33.3	SW CORNER, WEST OF 65
			SUBTOTAL	51	729	933	554	
			USE	51	729	933	SEE SHEET 5	

PULLBOX ADJUSTMENTS					
SHEET	ROADWAY	STA.	LOC.	PULLBOX ATG (EA)	REMARKS
13	LP44	29+00	LT	1	
15	LP44	30+01	LT	2	
15	LP44	31+18	LT	1	
15	LP44	33+83	LT	1	
15	LP44	33+85	LT	1	
16	LP44	37+35	LT	1	
16	LP44	39+20	LT	1	
			SUBTOTAL	8	
			USE	8	

EARTHWORK						
SHEET	ROADWAY	STA.	STA.	UNCLASSIFIED EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	REMARKS
14	SB US65 ON RAMP	1+25	5+85	132.9	45.8	SB US65 ON RAMP
			TOTAL	133.0	46.0	

SEEDING						
SHEET	ROADWAY	STA.	STA.	LOC.	SEEDING AND MULCHING COOL SEASON GRASSES (AC)	REMARKS
14	SB US ON RAMP	1+25.00	5+85.00	RT	0.07	SB US65 ON RAMP
			TOTAL		LUMP SUM	SEE JSP

STEEL PLATE AND GUTTER						
SHEET	STA.	STA.	LOC.	STEEL PLATE SF	MOD. TYPE A GUTTER LF	REMARKS
5	701+29	701+40	49.28' - 52.07' LT		3.0	ATTACH TO A1 DROP INLET
15	30+67	30+78	53.10' - 63.55' LT	57.5	34.0	NE QUAD WEST OF 65
			TOTAL	58.00	37.00	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

SUMMARY OF QUANTITIES
SHEET 3 OF 6

TRUNCATED DOMEs, CURB RAMP, SIDEWALK, TYPE 1 AGGREGATE, ADA LINEAR GRADING, TURF TYPE TALL FESCUE SODDING, CURBS

SHEET	BEGIN STA.	END STA.	LENGTH *	LT RT	TRUNC. DOMEs	CURB RAMP				S.W. WIDTH	** PAY WIDTH	4" SDWLK.	8" SDWLK.	8" MODIFD. SDWLK.	INTEGRAL CURB	4" TYPE 1 AGGR.	ADA LINEAR GRADING	SOD		S-CURB			REMARKS
						SF	LENGTH	WIDTH	TYPE									SY	LF	LF	SY	SY	
4	692+81	693+39		RT													109.0					DWY REMOVAL	
5	697+35	697+93		RT													59.6		37.0	0.0		DWY REMOVAL	
5	700+46	701+40		LT													121.9		89.0			DWY REMOVAL	
6	754+08	754+61		LT													66.6		42.0			DWY REMOVAL	
6	757+80	758+16		RT													22.0					DWY REMOVAL	
7	790+25	790+83		LT													68.3		40.0			DWY REMOVAL	
7	792+82	793+26		RT													48.9					DWY REMOVAL	
8	802+77	803+31		LT													57.7					DWY REMOVAL	
9	805+05	804+67		RT													72.0		46.0			DWY REMOVAL	
9	805+40	805+98		RT													74.0		43.0			DWY REMOVAL	
9	806+56	807+18		RT													71.3		44.0			DWY REMOVAL	
9	808+42	808+69		RT													21.6		18.0			DWY REMOVAL	
9	809+10	809+63		RT													63.1		44.0			DWY REMOVAL	
10	815+43	816+01		RT													64.8		40.0			DWY REMOVAL	
11	99+03	99+43	41.9	LT						5.0	6.0	22.8			22.8	41.9	7.0					NW QUAD AT GRANT	
11	99+03	99+43	40.8	LT						VAR.	VAR.	37.1			37.1	40.8						NW QUAD AT GRANT, PATTERN CONCRETE	
11	99+39	99+51	22.0	LT	12	8	6	1-A	12.8			6.4			16.0	22.0	5.7					NW QUAD AT GRANT	
11	99+48	99+68	19.1	LT						VAR.	VAR.	24.8			24.8	19.1						NW QUAD AT GRANT, PATTERN CONCRETE	
11	99+48	99+55	7.7	LT						5.0	6.0	13.3		83.0	13.3	7.7	1.3					NW QUAD AT GRANT	
11	99+53	99+74	24.8	LT	12	10	6	1-A	11.4			6.4			17.8	24.8	6.2					NW QUAD AT GRANT	
11	99+60	99+76	15.5	LT						5.0	6.0	8.7			8.7	15.5	2.6					NW QUAD AT GRANT	
11	99+62	99+76	16.1	LT						VAR.	VAR.	4.4			4.4	16.1						NW QUAD AT GRANT, PATTERN CONCRETE	
▲ 11	100+39	100+38	27.5	LT						5.0	5.0	15.6			15.6	27.5	4.6					NE QUAD AT GRANT	
▲ 11	100+39	100+56	18.8	LT						VAR.	VAR.	8.0			8.0	18.8						NE QUAD AT GRANT, PATTERN CONCRETE	
▲ 11	100+42	100+39	22.0	LT	12	8	6	1-A	12.8			6.4			16.0	22.0						NE CORNER AT GRANT	
▲ 11	100+43	100+79	71.9	LT						VAR.	VAR.	29.3			29.3	71.9						NE QUAD AT GRANT, PATTERN CONCRETE	
▲ 11	100+46	100+50	24.7	LT						VAR.	VAR.	32.1			32.1	24.7						NE QUAD AT GRANT, PATTERN CONCRETE	
▲ 11	100+38	100+47	9.7	LT						5.0	5.0	5.2			5.2	9.7	1.7					NE QUAD AT GRANT	
11	100+44	100+61	22.0	LT	12	8	6	1-C	10.3			6.4			16.7	22.0						NE QUAD AT GRANT	
11	100+56	100+86	31.9	LT						5.0	5.0	15.8			15.8	31.9	5.4		62.0			NE QUAD AT GRANT	
11	100+56	100+86	27.6	LT						VAR.	VAR.	15.9			15.9	27.6						NE QUAD AT GRANT, PATTERN CONCRETE	
11	100+58	101+01		RT								10.0		90.0								E GRANT MEDIAN	
▲ 11	100+38	100+41	139.4	RT						5.0	5.0	27.6			27.6	139.4		46.5				SE QUAD AT GRANT	
▲ 11	100+45	100+41	22.0	RT	12	8	6	1-A	12.8			6.4			16.0	22.0	5.7					SE QUAD AT GRANT	
▲ 11	100+53	100+50	21.9	RT						VAR.	VAR.	29.1			29.1	21.9						SE QUAD AT GRANT, PATTERN CONCRETE	
11	100+41	100+56	13.7	RT						5.0	5.0	9.2			9.2	13.7	2.3					SE QUAD AT GRANT	
11	100+45	100+56	22.0	RT	12	8	6	1-A	12.8			6.4			16.0	22.0	5.7					SE QUAD AT GRANT	
11	99+36	99+74	46.6	RT	36					6.0	6.0	25.4			25.4	46.6						SW ISLAND AT GRANT	
11	99+13	99+29	22.0	RT	12	8	6	1-C	10.3			6.4			16.7	22.0		23.4				SW QUAD AT GRANT	
11	99+20	99+77	109.1	RT						6.0	7.0	78.7		55.0	78.7	109.1		36.4				SW QUAD AT GRANT	
11	99+04	99+71	0.0	LT/RT								14.4		129.0								W MEDIAN AT GRANT	
11	99+48	99+56	14.4	LT/RT	24					6.0	6.0	6.6			6.6	14.4	2.4					W MEDIAN AT GRANT	
12	125+67	125+88	21.4	LT						VAR.	VAR.	11.6			11.6	21.4	3.6					NW QUAD AT JEFFERSON	
12	125+67	125+90	24.6	LT						VAR.	VAR.	13.7			13.7	24.6						NW QUAD AT JEFFERSON, PATTERN CONCRETE	
12	125+85	126+08	22.0	LT	12	8	6	1-A	12.8			6.4			16.0	22.0	5.7					NW CORNER AT JEFFERSON, RAMP	
12	125+86	126+02	22.0	LT	12	8	6	1-A	12.8			6.4			16.0	22.0	5.7					NW CORNER AT JEFFERSON, RAMP	
12	125+96	125+02	7.0	LT						VAR.	VAR.	1.2			1.2	7.0						NW QUAD AT JEFFERSON, PATTERN CONCRETE	
12	125+96	126+09	17.1	LT						VAR.	VAR.	6.5			6.5	17.1						NW QUAD AT JEFFERSON, PATTERN CONCRETE	
12	125+99	126+06	5.4	LT						5.0	5.0	3.1			3.1	5.4	0.9					NW QUAD AT JEFFERSON	
12	126+56	126+65	13.6	LT						VAR.	VAR.	3.3			3.3	13.6						NE QUAD AT JEFFERSON, PATTERN CONCRETE	
12	125+56	126+73	22.0	LT	12	8	6	1-A	12.8			6.4			16.0	22.0						NE QUAD AT JEFFERSON	
12	126+57	126+65	11.8	LT						5.0	5.0	7.2			7.2	11.8		4.0				NE QUAD AT JEFFERSON	
12	126+58	126+68	16.2	LT						VAR.	VAR.	11.8			11.8	16.2						NE QUAD AT JEFFERSON, PATTERN CONCRETE	
12	126+58	126+74	22.0	LT	12	8	6	1-C	10.3			6.4			16.7	22.0						NE QUAD AT JEFFERSON	
12	126+73	126+81	7.5	LT						VAR.	VAR.	4.6			4.6	7.5	1.3					NE QUAD AT JEFFERSON	
12	126+74	126+78	9.6	LT						VAR.	VAR.	2.5			2.5	9.6						NE QUAD AT JEFFERSON, PATTERN CONCRETE	
12	126+54	126+71	19.4	RT						VAR.	VAR.	25.5			25.5	19.4						SE QUAD AT JEFFERSON, PATTERN CONCRETE	
12	126+54	126+77	22.0	RT	12	8	6	1-C	10.3			6.4			16.7	22.0	11.7					SE QUAD AT JEFFERSON	
12	126+61	126+66	6.3	RT						VAR.	VAR.	2.8			2.8	6.3		2.1				SE QUAD AT JEFFERSON	
12	126+71	126+77	22.0	RT	12	8	6	1-C	10.3			6.4			16.7	22.0	11.7					SE QUAD AT JEFFERSON	
12	126+77	126+80	4.4	RT						VAR.	VAR.	1.5			1.5	4.4						SE QUAD AT JEFFERSON, PATTERN CONCRETE	
12	125+90	126+15	33.5	RT	36					6.0	6.0	19.3			19.3	33.5						SW ISLAND AT JEFFERSON	
12	125+75	125+88	22.0	RT	12	8	6	1-A	12.8			6.4			16.0	22.0		11.4				SW QUAD AT JEFFERSON	
12	125+83	126+06	25.6	RT						6.0	6.0	17.1			17.1	25.6		8.6				SW QUAD AT JEFFERSON	
12	125+85	126+10	46.0	RT	12	8	6	1-E	19.0			12.8			31.8	46.0	13.6					SW QUAD AT JEFFERSON	
12	125+91	126+96	24.1	RT	24					6.0	6.0	13.5			13.5	24.1		8.1				W MEDIAN AT JEFFERSON	

SUBTOTAL 1 300.0 122.0 90.0 0.0 184.3 86.0 90.0 681.6 0.0 0.0 357.0 815.9 1302.6 1166.1 443.0 62.0 0.0

QTY IS INCLUDED IN 8" SW FOR PINNED-ON ISLANDS
SOD IS ESTIMATED AT 2.25' FOR CURB RAMP AREAS AND AT 1.5' FOR LONG SIDEWALK RUNS.

* LENGTH MEASURED ALONG PROPOSED IMPROVEMENT, NOT BY STATION RANGE.
** PAY WIDTH INCLUDES INTEGRAL CURB CONC. WIDTH/HEIGHT. SEE TYPICAL SHEET 1 FOR ALL PAY ITEM LIMITS.

▲ STATION EQUATION:
STA 100+63.72 BK =
STA 100+37.52 AH

SUMMARY OF QUANTITIES
SHEET 4 OF 6

STATE OF MISSOURI
DONALD THOMAS SAKO
NUMBER PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/7/2025

ROUTE STATE
LP44 MO

DISTRICT SHEET NO.
SW 3

COUNTY
GREENE

JOB NO.
J8P3144


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)

GARVER, L.L.C.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2024		
WARNING SIGNS									GUIDE SIGNS									TOTAL		DESCRIPTION		
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)		
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)		
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)		
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)		
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	6	48.00			26	END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)		
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)		
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)		
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL		
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-4aP	36X24	6.00	6	36.00			59	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)		
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00	6	18.00				END DETOUR	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)		
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	30X24	5.00	6	30.00				DETOUR (LEFT)	6161008	4*	ADVANCED WARNING RAIL SYSTEM		
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	30X324	5.00	6	30.00				DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)		
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)		
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)		
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161025	300*	CHANNELIZER (TRIM LINE)		
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161030	15*	TYPE III MOVEABLE BARRICADE		
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25	2	26.50				41	STOP	6161033	28*	DIRECTION INDICATOR BARRICADE	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TR1	6.93							YIELD	6161040	4*	FLASHING ARROW PANEL	
WO3-1	48X48	16.00	2	32.00			39	STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00							TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50							ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	12	144.00				54	SPEED LIMIT XX	6161070		TUBULAR MARKER	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	36X48	12.00							NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	36X48	12.00							NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	12.00							NO TURNS	6161098A	3	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00							NO U-TURN (SYMBOL)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1aL	48X48	16.00	6	96.00			7	MERGE (LEFT)	R3-7L	30X30	6.25	6	37.50			19	LEFT LANE MUST TURN LEFT	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM		
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25	6	37.50			20	RIGHT LANE MUST TURN RIGHT	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS		
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00							DO NOT PASS	61736000		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00							PASS WITH CARE	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00							KEEP RIGHT (HORIZONTAL ARROW)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00							KEEP LEFT (HORIZONTAL ARROW)	6177000B		TEMPORARY TRAFFIC SIGNALS	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25							DO NOT ENTER	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00							WRONG WAY	9029400		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75							ONE WAY ARROW (LEFT)	6199902	12	ADA COMPLIANT TYPE III MOVABLE BARRICADE	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75							ONE WAY ARROW (RIGHT)				
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00							ONE WAY (LEFT)				
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00							ONE WAY (RIGHT)				
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00	6	12.00				60	SIDEWALK CLOSED				
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00	6	18.00				65	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE				
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00	6	18.00				66	SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE				
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00							STOP HERE ON RED (45° ARROW)				
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00							ROAD CLOSED				
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50							ROAD CLOSED XX MILES AHEAD				
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50							LOCAL TRAFFIC ONLY				
WO8-11	48X48	16.00						UNEVEN LANES	R11-4	60X30	12.50							ROAD CLOSED TO THRU TRAFFIC				
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3A	60X48	20.00							FINE SIGN				
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-3X	56X12	4.67							SPEEDING/PASSING (PLATE)				
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	MISCELLANEOUS SIGNS													
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	48X36	12.00	2	24.00						POINT OF PRESENCE			
WO8-17R	30X24	5.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	96X48	32.00								POINT OF PRESENCE			
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-8	48X36	12.00	6	72.00					59	WORK ZONE NO PHONE ZONE			
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	MO5-1L	21X15	2.19	2.00	4.38						ADVANCE TURN ARROW			
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)	WO16-7P-L	30X18	3.75	6	22.50					71	DOWNWARD DIAGONAL ARROW (LEFT)			
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)	WO16-7P-R	30X18	3.75	6	22.50					72	DOWNWARD DIAGONAL ARROW (RIGHT)			
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)	R9-10	24X18	3	6	18.00					73	SIDEWALK CLOSED, (DUAL ARROW) USE OTHER SIDE			
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD	WO11-2	48X48	16	12	192.00					74	PEDESTRIAN (SYMBOL)			
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	MO4-9bL	30X24	5	6	30.00						PEDESTRIAN (SYMBOL) DETOUR (ARROW LEFT)			
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)	MO4-9bL	30X24	5	6	30.00						PEDESTRIAN (SYMBOL) DETOUR (ARROW LEFT)			
WO16-2	30X24	5.00						XXX FEET (PLAQUE)	616-10.05 CONSTRUCTION SIGNS													
WO16-3	30X24	5.00						X MILE (PLAQUE)	616-10.10 RELOCATED SIGNS													
WO20-1	48X48	16.00	28	448.00			2	ROAD/BRIDGE/RAMP WORK AHEAD	TOTAL								1755*					
WO20-2	48X48	16.00						DETOUR AHEAD														
WO20-3	48X48	16.00						ROAD CLOSED AHEAD	TOTAL													
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD														
WO20-5	48X48	16.00	6	96.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD														
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD														
WO20-6a	48X48	16.00	6	96.00			6	RIGHT/CENTER/LEFT LANE CLOSED														
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)														
WO21-2	36X36	9.00						FRESH OIL														
WO21-5	48X48	16.00	6	96.00			21	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)														



Paul J. Kronlage
05/27/2025 12:38:11 PM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/27/2025
ROUTE STATE
LP44 MO
DISTRICT SHEET NO.
SW 3

COUNTY
GREENE
JOB NO.
J8P3144
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

GENERAL NOTES
NO DIRECT PAYMENT FOR RELOCATION OF TRAFFIC CONTROL SIGNS
ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING

6169901	1	LUMP SUM TEMPORARY TRAFFIC CONTROL (*ITEMS INCLUDED)
---------	---	--

EFK Moen Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

NOTES:

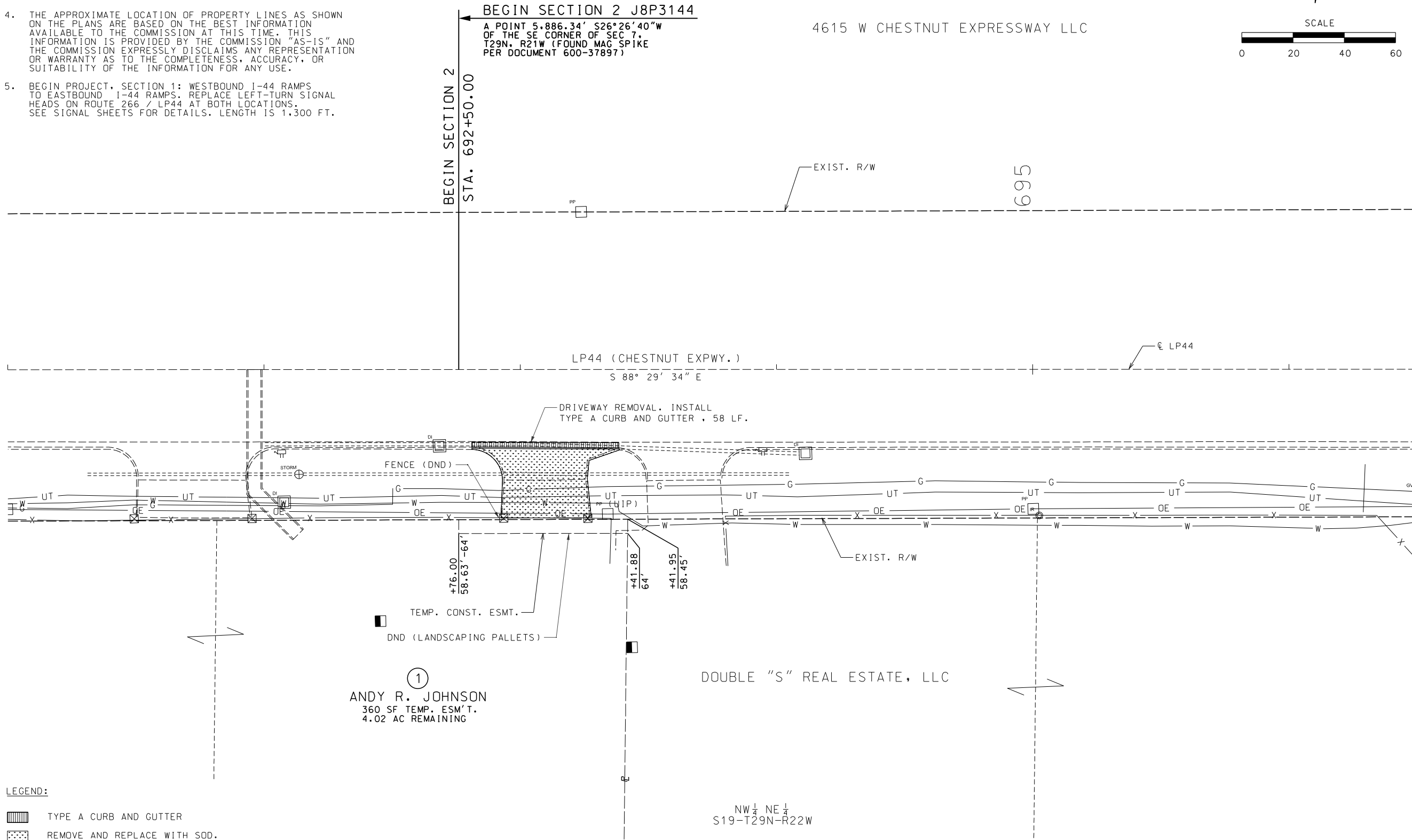
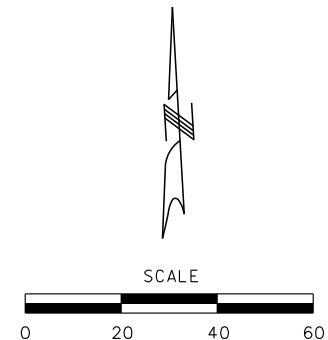
1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
2. ALL BEARINGS BASED ON STATE PLANE BEARINGS CENTRAL ZONE.
3. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STA. 692+76.00 TO STA. 126+83.00, A DISTANCE OF 4.830 MILES.
4. THE APPROXIMATE LOCATION OF PROPERTY LINES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE.
5. BEGIN PROJECT, SECTION 1: WESTBOUND I-44 RAMP TO EASTBOUND I-44 RAMP. REPLACE LEFT-TURN SIGNAL HEADS ON ROUTE 266 / LP44 AT BOTH LOCATIONS. SEE SIGNAL SHEETS FOR DETAILS. LENGTH IS 1,300 FT.

SW 1/4 SE 1/4
S18-T29N-R22W

BEGIN SECTION 2 J8P3144

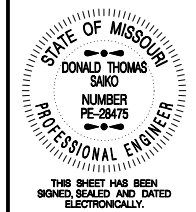
A POINT 5.886.34' S26°26'40"W
OF THE SE CORNER OF SEC 7,
T29N, R21W (FOUND MAG SPIKE
PER DOCUMENT 600-37897)

4615 W CHESTNUT EXPRESSWAY LLC



LEGEND:

- TYPE A CURB AND GUTTER
- REMOVE AND REPLACE WITH SOD.



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

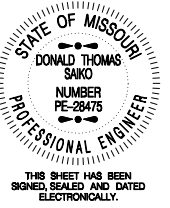


PLAN SHEET
SHEET 1 OF 13

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

- LEGEND:**
- PAVED APPROACH
 - TYPE A CURB AND GUTTER
 - REMOVE AND REPLACE WITH SOD.

ROUTE D STA. 701+34.55, 47.35' LT. TO
 ROUTE D STA. 701+45.54, 44.66' LT.
 TYPE E PRECAST DROP INLET
 W/ 15"x8" GROUP A PIPE
 DA = 1.0699 AC
 Q(25) = 5.62 CFS

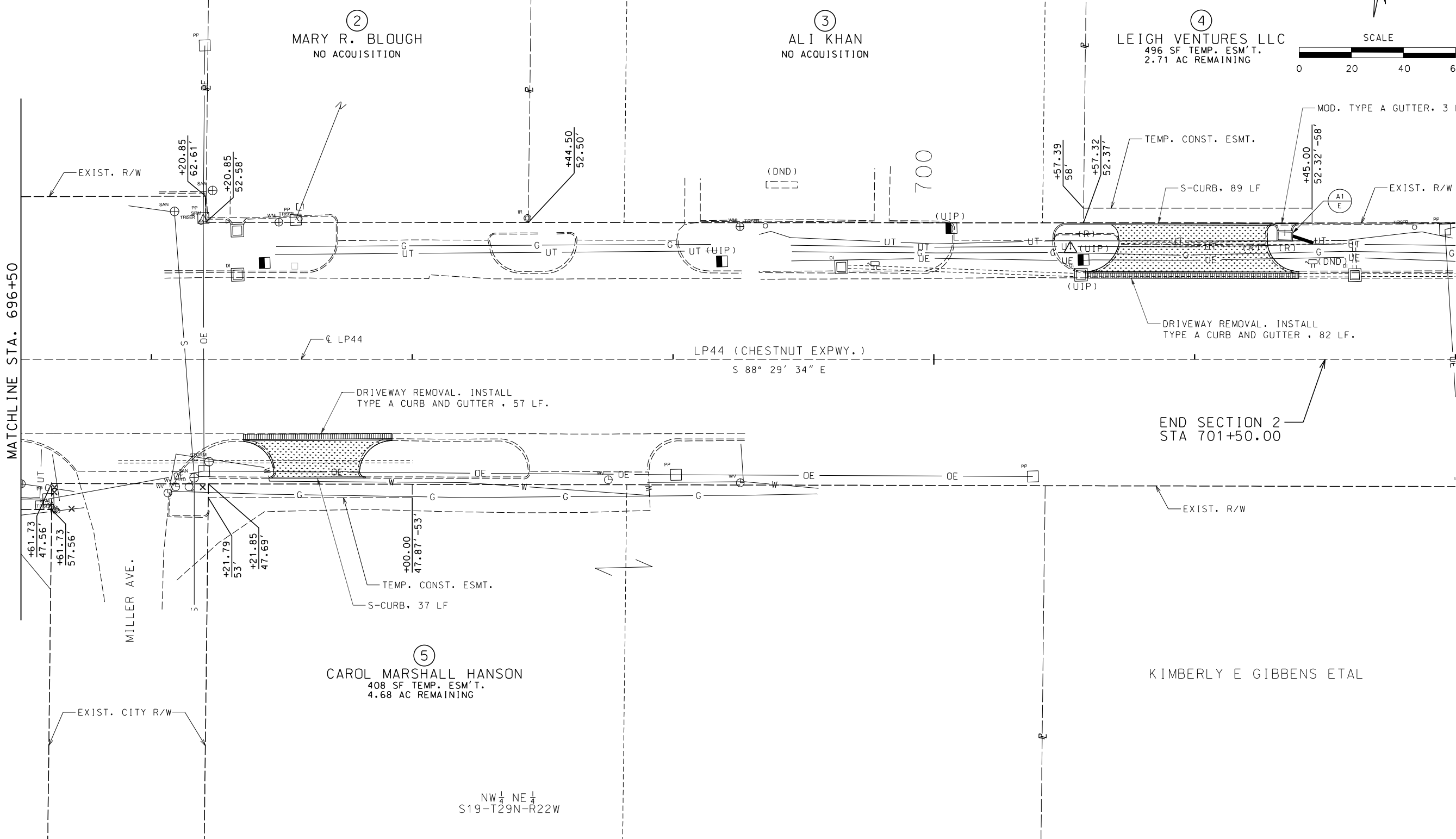
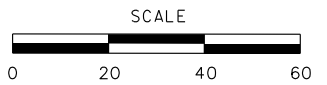


DATE PREPARED
7/7/2025

ROUTE STATE
LP44 MO
DISTRICT SHEET NO.
SW 5

COUNTY COUNTY
GREENE
JOB NO. J8P3144
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)

GARVER, LLC
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



PLAN SHEET
SHEET 2 OF 13

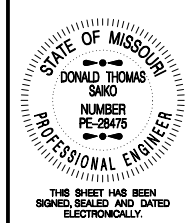
LEGEND:

-  TYPE A CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD.

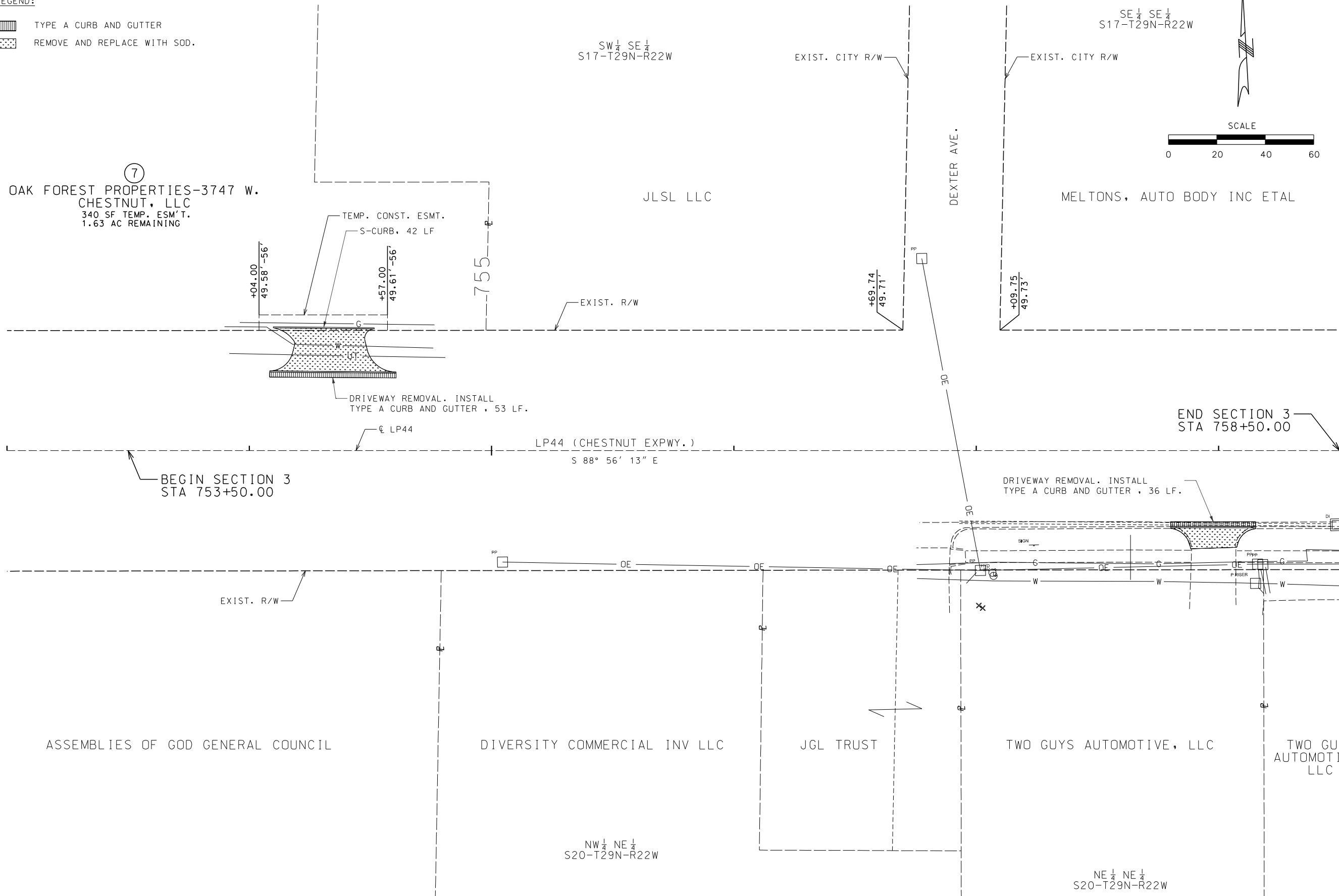
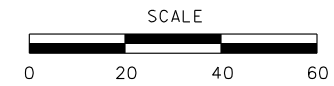
⑦
 OAK FOREST PROPERTIES-3747 W.
 CHESTNUT, LLC
 340 SF TEMP. ESM'T.
 1.63 AC REMAINING

SW 1/4 SE 1/4
 S17-T29N-R22W

SE 1/4 SE 1/4
 S17-T29N-R22W



DATE PREPARED 6/9/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 6
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



ASSEMBLIES OF GOD GENERAL COUNCIL

DIVERSITY COMMERCIAL INV LLC

JGL TRUST

TWO GUYS AUTOMOTIVE, LLC

TWO GUYZ AUTOMOTIVE, LLC

NW 1/4 NE 1/4
 S20-T29N-R22W

NE 1/4 NE 1/4
 S20-T29N-R22W

PLAN SHEET
 SHEET 3 OF 13

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





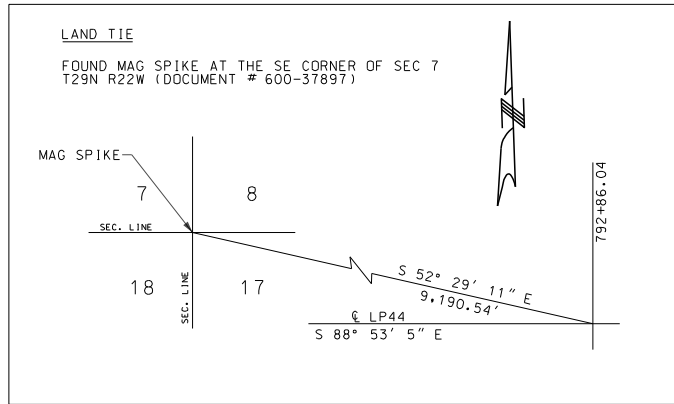
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



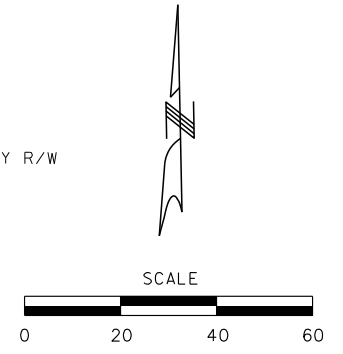
LEGEND:

-  TYPE A CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD.

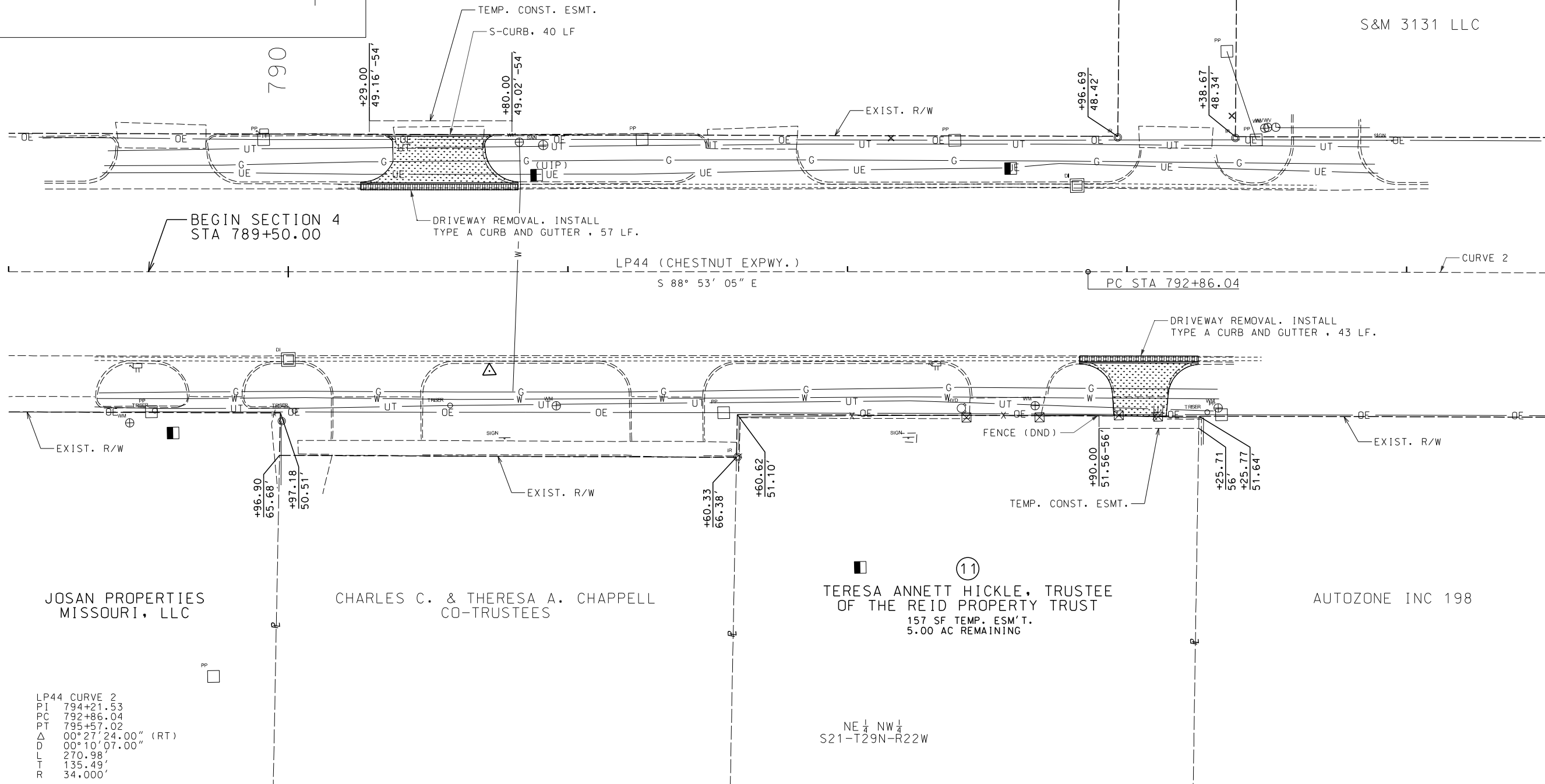


SE 1/4 SW 1/4
S16-T29N-R22W

⑨
WESTWOOD INDUSTRIAL PARK, LTD.
251 SF TEMP. ESM'T.
4.40 AC REMAINING

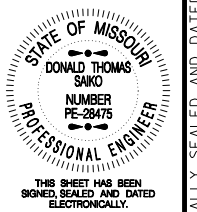


S&M 3131 LLC



LP44 CURVE 2
PI 794+21.53
PC 792+86.04
PT 795+57.02
Δ 00° 27' 24.00" (RT)
D 00° 10' 07.00"
L 270.98'
T 135.49'
R 34.000'

NE 1/4 NW 1/4
S21-T29N-R22W




DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 7
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PLAN SHEET
SHEET 4 OF 13

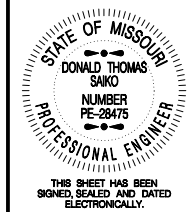
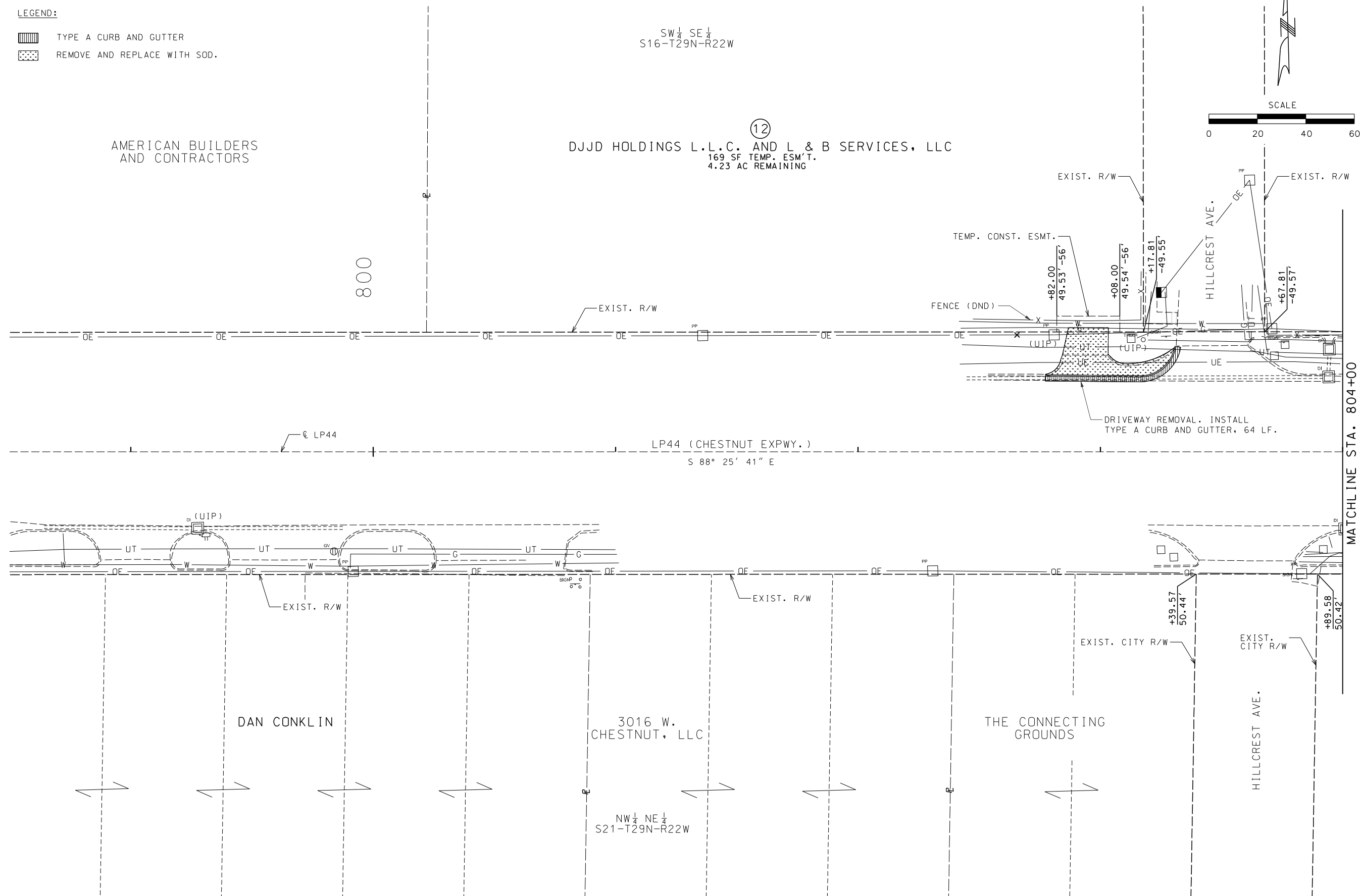
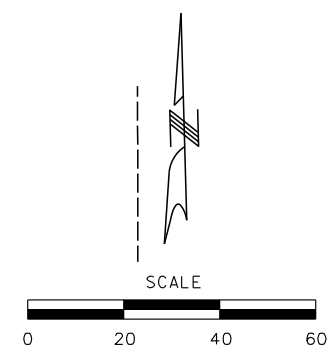
LEGEND:

-  TYPE A CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD.

AMERICAN BUILDERS
AND CONTRACTORS

SW 1/4 SE 1/4
S16-T29N-R22W


⑫
DJJD HOLDINGS L.L.C. AND L & B SERVICES, LLC
169 SF TEMP. ESMT.
4.23 AC REMAINING



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 8
COUNTY GREENE	
JOB NO. J8P3144	
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)



GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

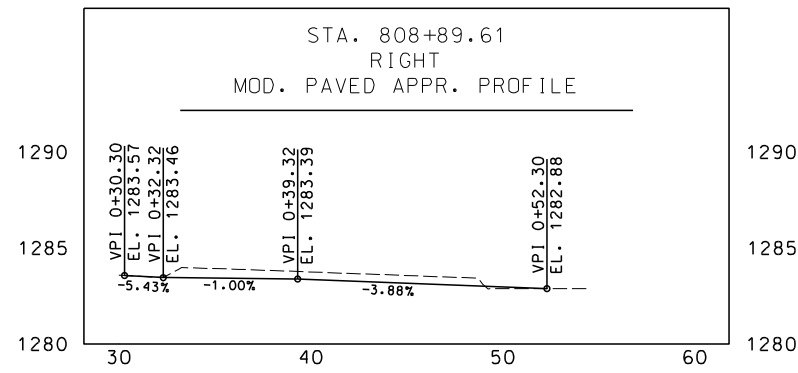


PLAN SHEET
SHEET 5 OF 13

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

LEGEND:

-  TYPE A CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD.



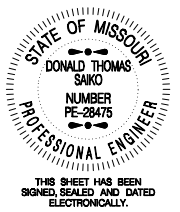
SW 1/4 SE 1/4
S16-T29N-R22W

KRAMER ENT CHESTNUT LLC

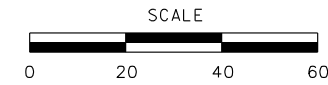
P&S STONE LLC

WESTWAY SHOPPING CENTER LLC

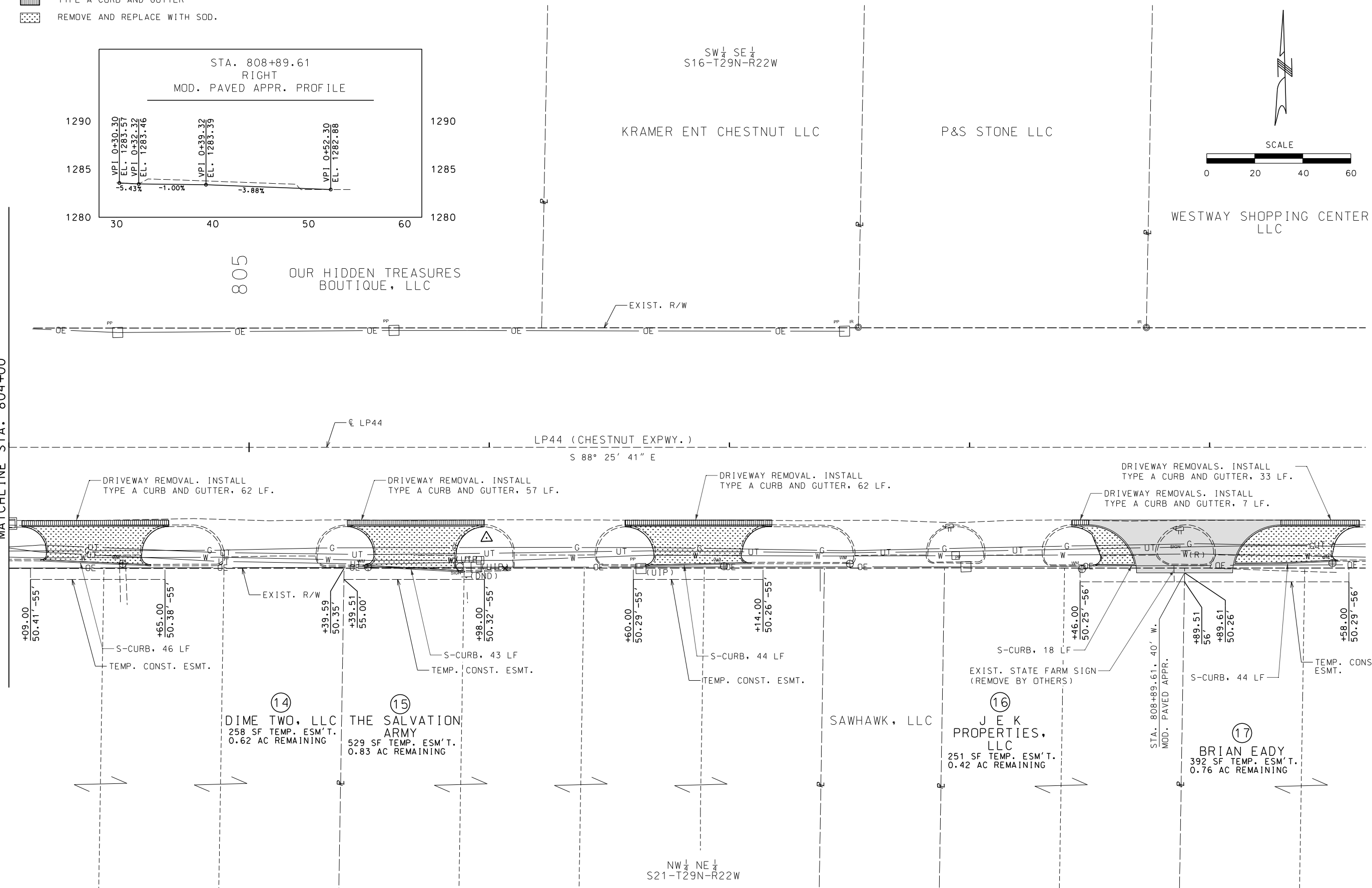
805
OUR HIDDEN TREASURES
BOUTIQUE, LLC



DATE PREPARED 7/4/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 9
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



MATCHLINE STA. 804+00



NW 1/4 NE 1/4
S21-T29N-R22W

14
DIME TWO, LLC
258 SF TEMP. ESM'T.
0.62 AC REMAINING


15
THE SALVATION
ARMY
529 SF TEMP. ESM'T.
0.83 AC REMAINING

16
J E K
PROPERTIES,
LLC
251 SF TEMP. ESM'T.
0.42 AC REMAINING

17
BRIAN EADY
392 SF TEMP. ESM'T.
0.76 AC REMAINING

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

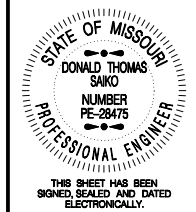


PLAN SHEET
SHEET 6 OF 13

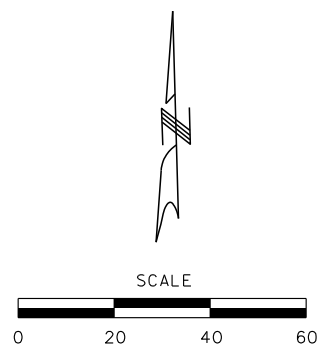
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LEGEND:

-  TYPE A CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD.




DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 10
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SE 1/4 SE 1/4
S16-T29N-R22W

WESTWAY SHOPPING CENTER LLC

WESTWAY SHOPPING CENTER LLC

I LOVE TACOS TAQUERIA LLC

815

EXIST. R/W

END SECTION 4
STA 816+50.00

LP44

LP44 (CHESTNUT EXPWY.)

S 88° 25' 41" E

DRIVEWAY REMOVAL. INSTALL
TYPE A CURB AND GUTTER, 58 LF.

EXIST. R/W

+46.00
50.52' -56'

S-CURB, 40 LF
TEMP. CONST. ESMT.

+11.97
56.00'

+08.12
50.54'

CHESTNUT SCHOOL REAL ESTATE HOLDINGS, LLC

18
FAST STOP TIRE AND AUTOMOTIVE, LLC
352 SF TEMP. ESM'T.
0.46 AC REMAINING

EXIST. CITY R/W

HOMEWOOD AVE.

MARK P. NUTT

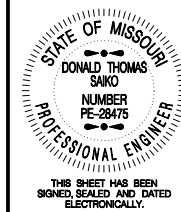
EXIST. CITY R/W

HIEU THI DINH

EXSELL REALTY, LLC

NW 1/4 NE 1/4
S21-T29N-R22W

PLAN SHEET
SHEET 7 OF 13



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 5/27/2025

ROUTE LP44 STATE MO DISTRICT SW SHEET NO. 11

COUNTY GREENE JOB NO. J8P3144 CONTRACT ID.

PROJECT NO. BRIDGE NO.

DESCRIPTION DATE

Table with 2 columns: DESCRIPTION, DATE. Contains project details and a grid for notes.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GARVER, LLC. 7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090

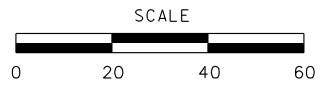
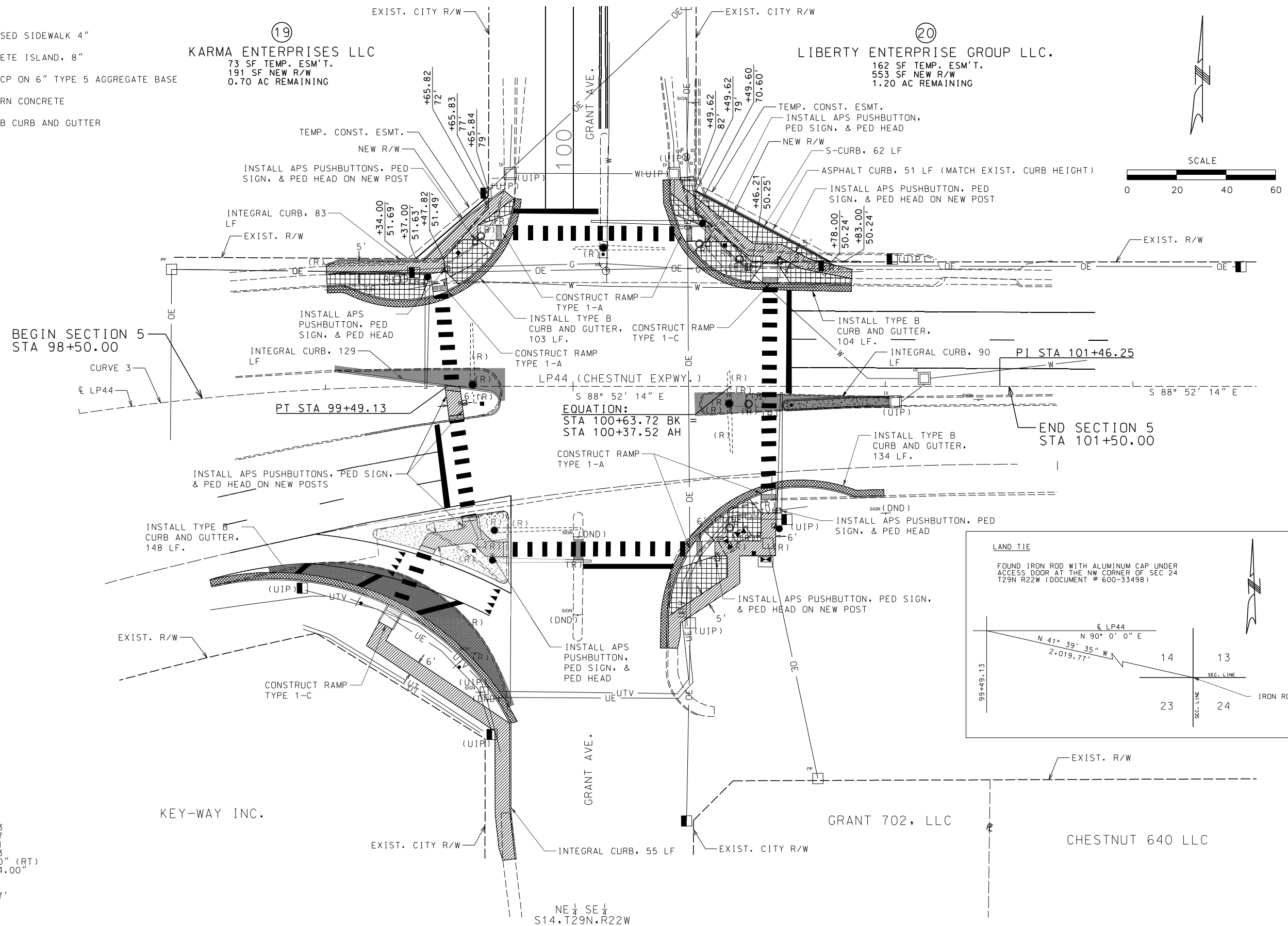


105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

- LEGEND: PROPOSED SIDEWALK 4" CONCRETE ISLAND, 8" 9" PCCP ON 6" TYPE 5 AGGREGATE BASE PATTERN CONCRETE TYPE B CURB AND GUTTER

(19) KARMA ENTERPRISES LLC 73 SF TEMP. ESM'T. 191 SF NEW R/W 0.70 AC REMAINING

(20) LIBERTY ENTERPRISE GROUP LLC. 162 SF TEMP. ESM'T. 553 SF NEW R/W 1.20 AC REMAINING

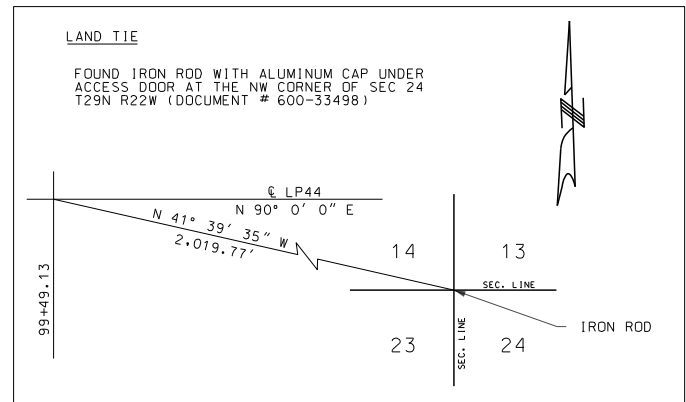


BEGIN SECTION 5 STA 98+50.00

PI STA 101+46.25

END SECTION 5 STA 101+50.00

EQUATION: STA 100+63.72 BK STA 100+37.52 AH



LP44 CURVE 3 PI 97+50.17 PCC 95+45.71 PT 99+49.13 Δ 23'00.00" (RT) D 05°42'04.00" L 403.42' T 204.46' R 1,004.97'






KEY-WAY INC.

GRANT 702, LLC

CHESTNUT 640 LLC

NE 1/4 SE 1/4 S14, T29N, R22W

LEGEND:

-  PROPOSED SIDEWALK 4"
-  CONCRETE ISLAND, 8"
-  PATTERN CONCRETE
-  9" PCCP ON 6' TYPE 5 AGGREGATE BASE
-  TYPE B CURB AND GUTTER

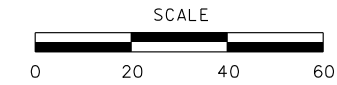
NW 1/4 SW 1/4
S13, T29N, R22W

NE 1/4 SW 1/4
S13, T29N, R22W

THE CITY OF SPRINGFIELD, MO.

THE GENERAL COUNCIL OF ASSEMBLIES OF GOD
55 SF TEMP. ESM'T.
108 SF NEW R/W
1.30 AC REMAINING

(21)



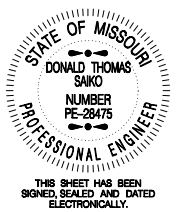
BEGIN SECTION 6
STA 124+50.00

END SECTION 6
STA 127+50.00

© RTE D STA. 125+39.00, 62.80' RT. TO
 © RTE D STA. 125+40.59, 55.47' RT.
 TYPE T PRECAST DROP INLET
 48" PRECAST MANHOLE
 W/ 12"x4' GROUP A PIPE
 DA = 0.135 AC
 Q(25) = 0.89 CFS

LP44 CURVE 4
 PI 128+97.30
 PC 125+76.95
 PT 132+15.15
 Δ 12°24'30.00" (RT)
 D 01°56'39.43"
 L 638.19'
 T 320.35'
 R 2,946.00'

© RTE D STA. 126+67.02, 48.85' RT. TO
 © RTE D STA. 126+93.63, 49.51' RT.
 TYPE A CURVED VANE GRATE INLET
 48" PRECAST MANHOLE
 W/ 12"x7' GROUP A PIPE FROM EXIST. PIPE TO C1
 W/ 12"x7' GROUP A PIPE FROM C1 TO EXIST. PIPE
 DA = 0.1053 AC
 Q(25) = 0.73 CFS



DATE PREPARED
5/27/2025

ROUTE	STATE
LP44	MO
DISTRICT	SHEET NO.
SW	12

COUNTY
GREENE

JOB NO.
J8P3144

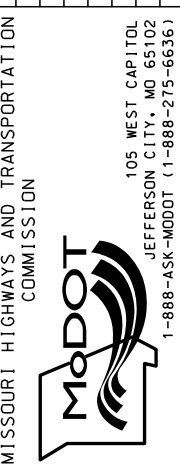
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION







GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



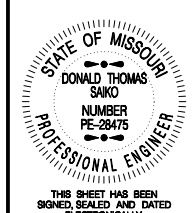
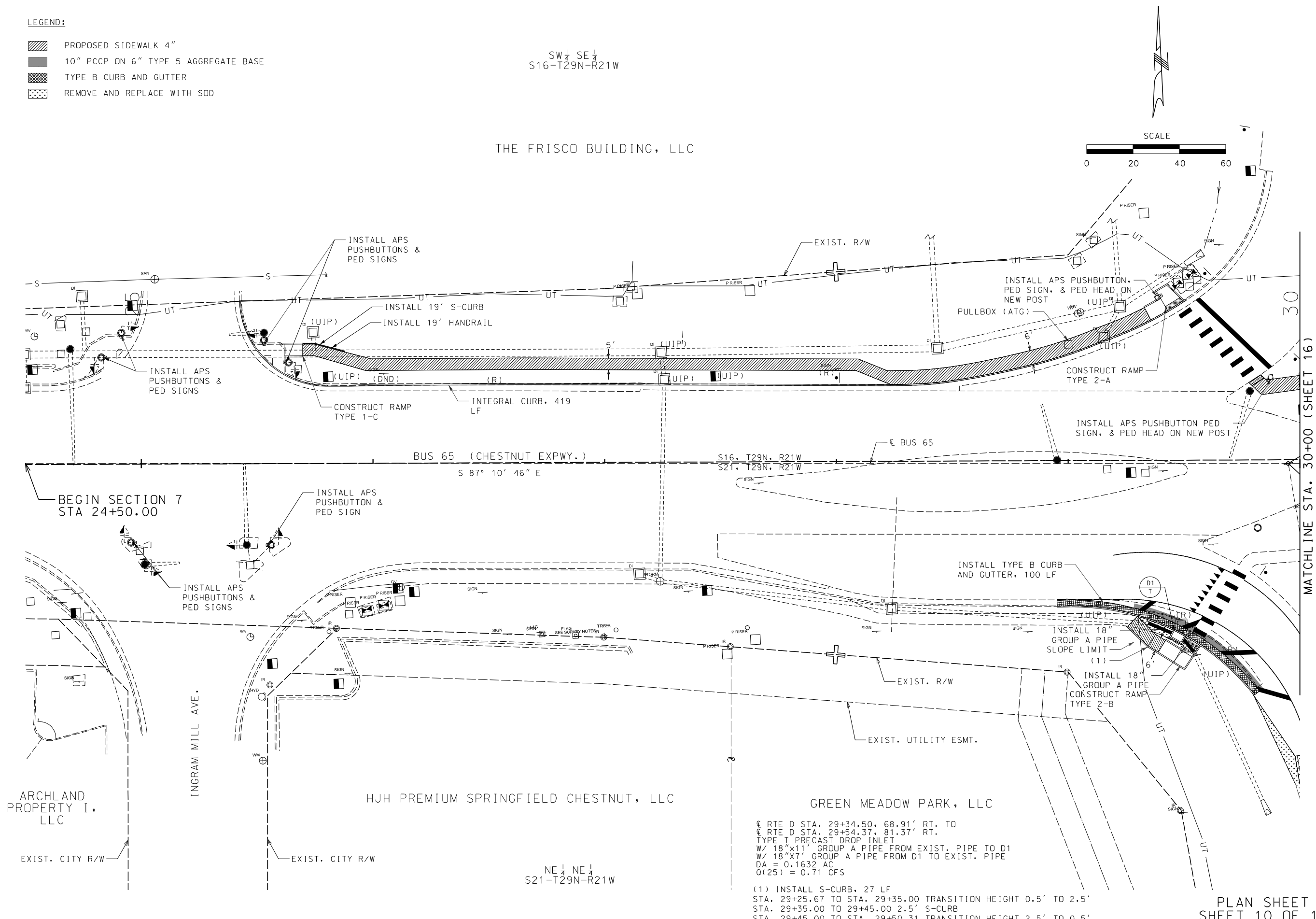
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LEGEND:

-  PROPOSED SIDEWALK 4"
-  10" PCCP ON 6" TYPE 5 AGGREGATE BASE
-  TYPE B CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD

SW 1/4 SE 1/4
S16-T29N-R21W

THE FRISCO BUILDING, LLC



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 13
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090










NE 1/4 NE 1/4
S21-T29N-R21W

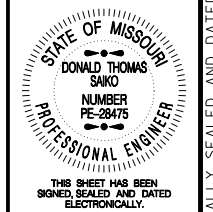
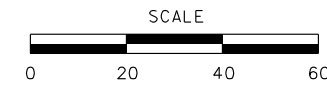
(1) INSTALL S-CURB, 27 LF
STA. 29+25.67 TO STA. 29+35.00 TRANSITION HEIGHT 0.5' TO 2.5'
STA. 29+35.00 TO 29+45.00 2.5' S-CURB
STA. 29+45.00 TO STA. 29+50.31 TRANSITION HEIGHT 2.5' TO 0.5'

€ RTE D STA. 29+34.50, 68.91' RT. TO
€ RTE D STA. 29+54.37, 81.37' RT.
TYPE T PRECAST DROP INLET
W/ 18"X11" GROUP A PIPE FROM EXIST. PIPE TO D1
W/ 18"X7" GROUP A PIPE FROM D1 TO EXIST. PIPE
DA = 0.1632 AC
Q(25) = 0.71 CFS

PLAN SHEET
SHEET 10 OF 13

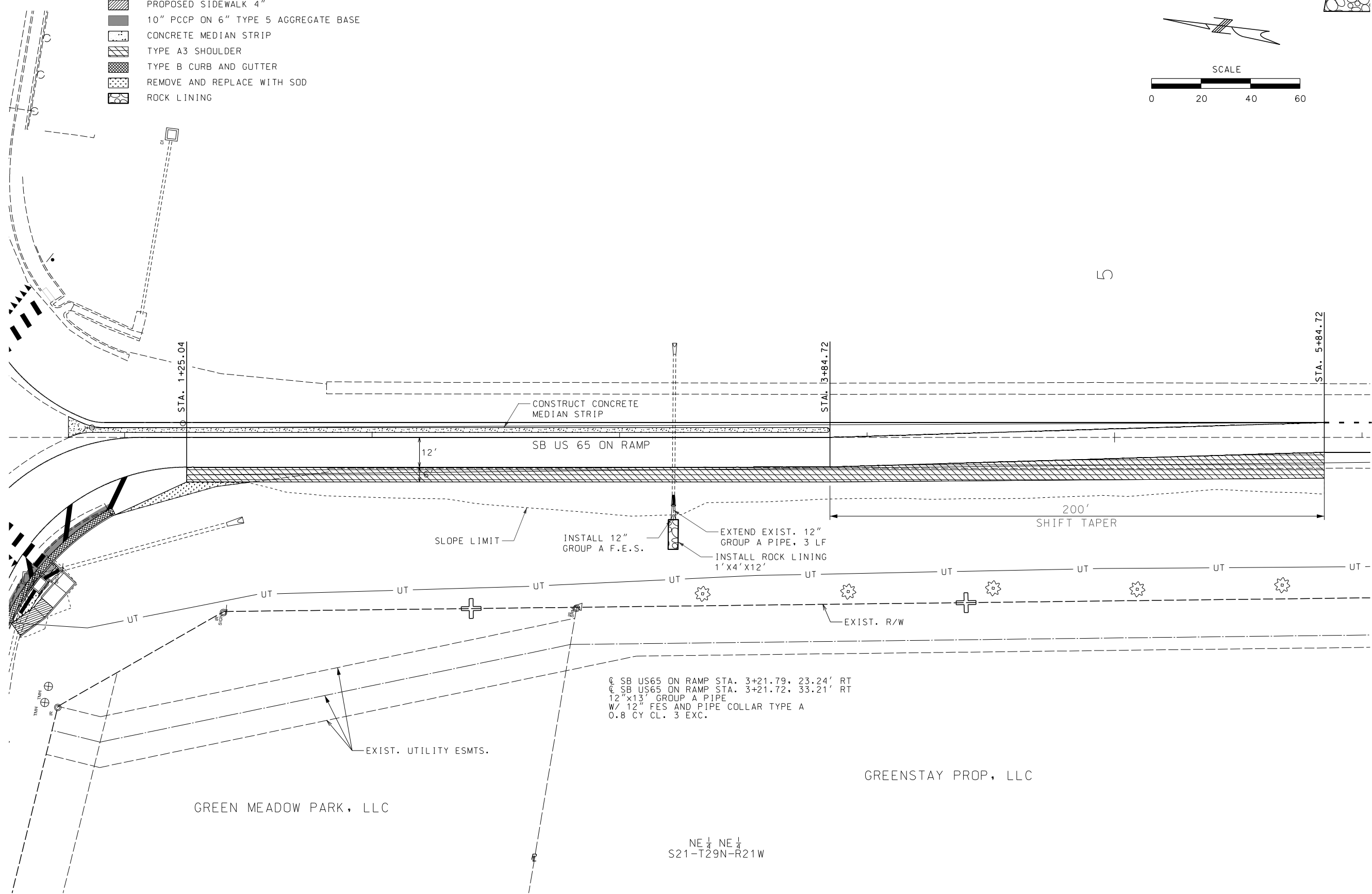
LEGEND:

-  PROPOSED SIDEWALK 4"
-  10" PCCP ON 6" TYPE 5 AGGREGATE BASE
-  CONCRETE MEDIAN STRIP
-  TYPE A3 SHOULDER
-  TYPE B CURB AND GUTTER
-  REMOVE AND REPLACE WITH SOD
-  ROCK LINING



DATE PREPARED
5/27/2025


ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 14
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



C SB US65 ON RAMP STA. 3+21.79, 23.24' RT
 C SB US65 ON RAMP STA. 3+21.72, 33.21' RT
 12" x 13" GROUP A PIPE
 W/ 12" FES AND PIPE COLLAR TYPE A
 0.8 CY CL. 3 EXC.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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





GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

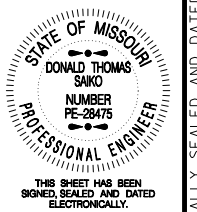
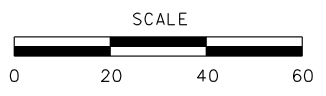
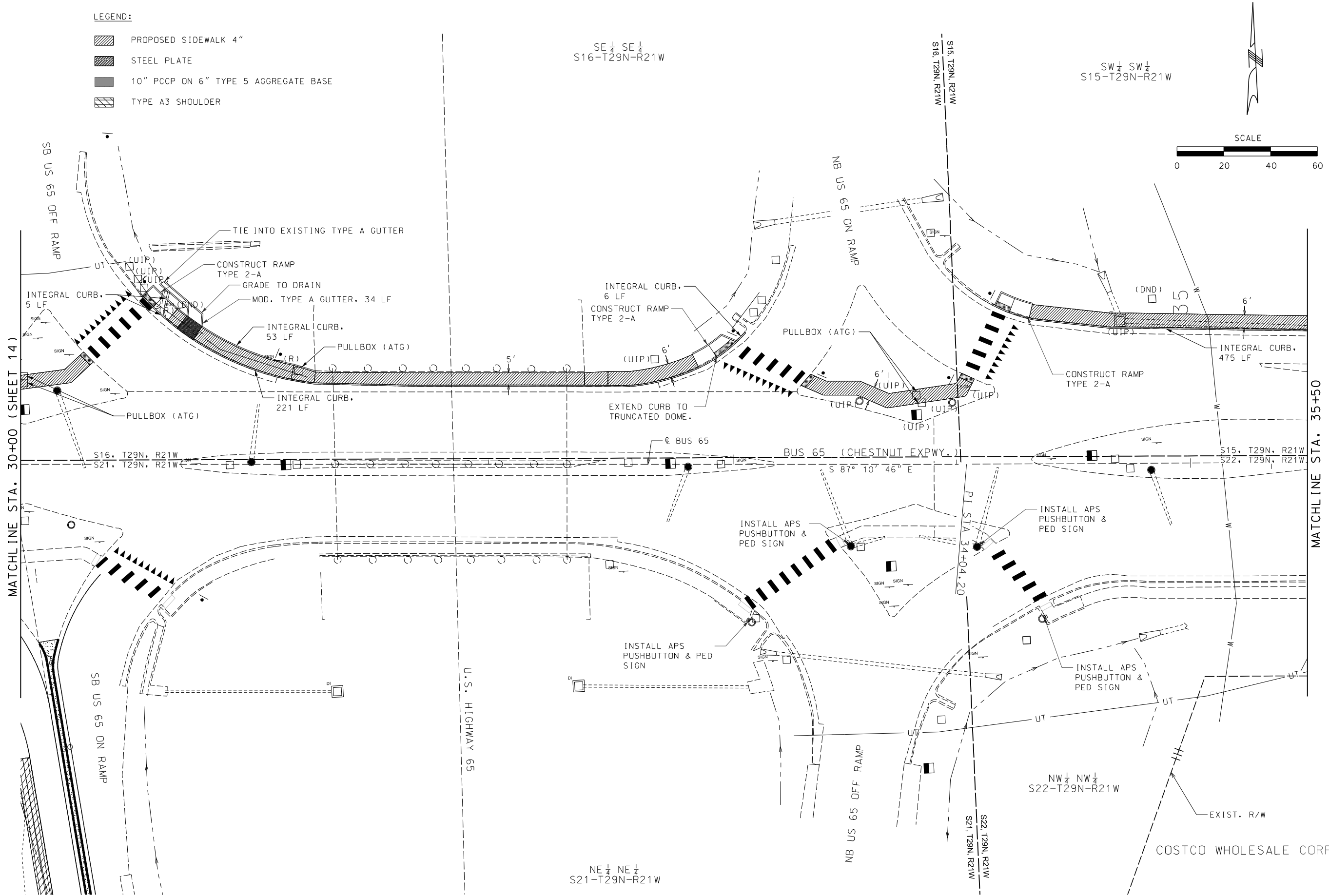


PLAN SHEET
SHEET 11 OF 13

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

LEGEND:

-  PROPOSED SIDEWALK 4"
-  STEEL PLATE
-  10" PCCP ON 6" TYPE 5 AGGREGATE BASE
-  TYPE A3 SHOULDER




DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 15
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

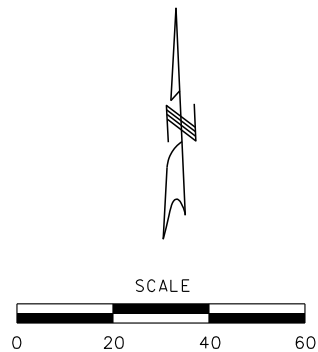


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



PLAN SHEET
SHEET 12 OF 13



MENARD, INC.

SW 1/4 SW 1/4
S15-T29N-R21W

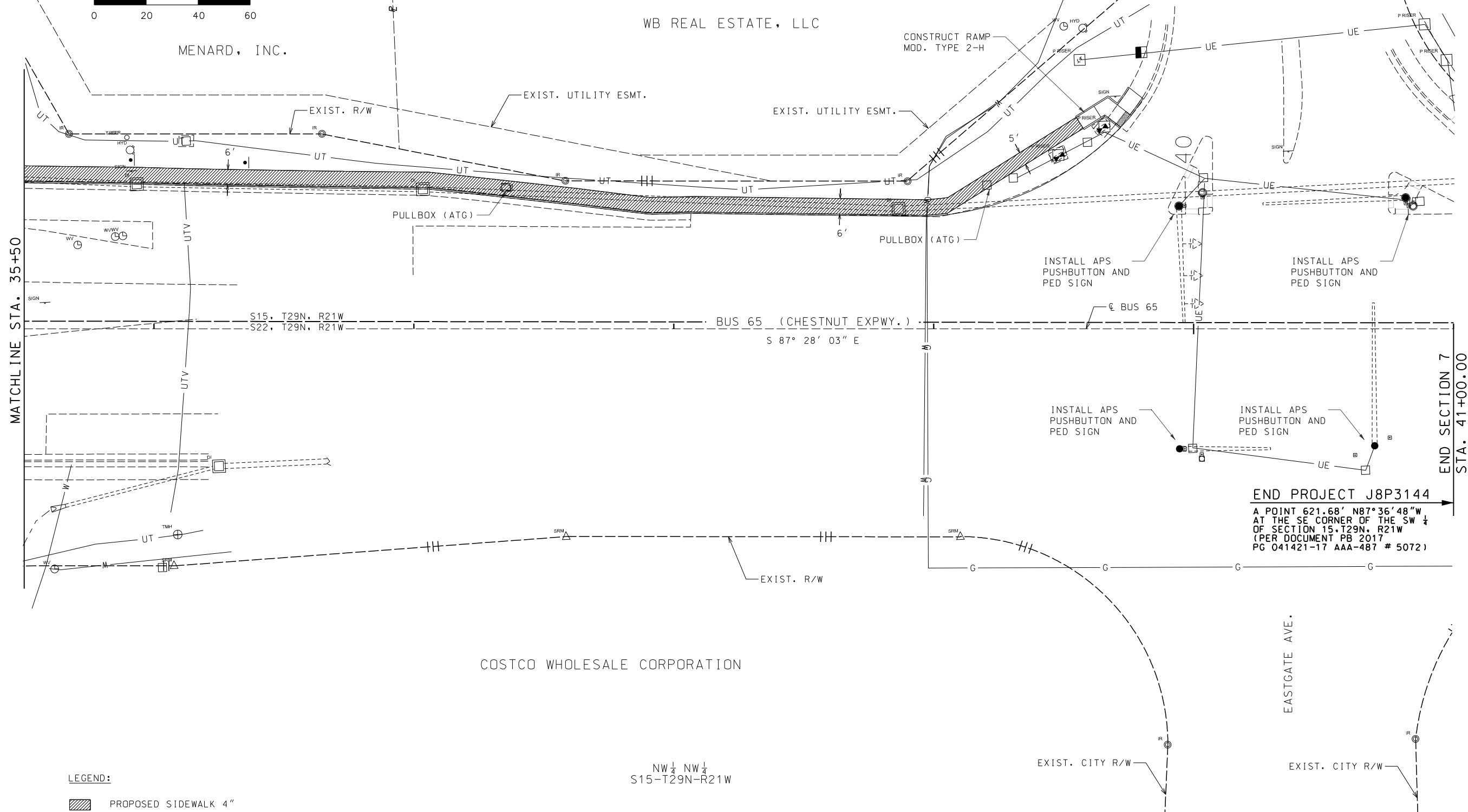
WB REAL ESTATE, LLC

NW 1/4 NW 1/4
S15-T29N-R21W

COSTCO WHOLESALE CORPORATION

MATCHLINE STA. 35+50

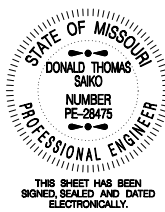
END SECTION 7
STA. 41+00.00



LEGEND:
 PROPOSED SIDEWALK 4"

END PROJECT J8P3144
 A POINT 621.68' N87°36'48"W
 AT THE SE CORNER OF THE SW 1/4
 OF SECTION 15, T29N, R21W
 (PER DOCUMENT PB 2017
 PG 041421-17 AAA-487 # 5072)

PLAN SHEET
SHEET 13 OF 13



DATE PREPARED
5/27/2025

ROUTE	STATE
LP44	MO
DISTRICT	SHEET NO.
SW	16
COUNTY	JOB NO.
GREENE	J8P3144
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

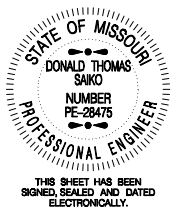
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



TRACT NO.	PARCEL NO	OWNER	PROPERTY LOCATION	SHEET NO.	TOTAL TRACT (ACRES)	NEW R/W (SF)	TEMPORARY ESM'T (SF)	REMAINDER (ACRES)
1	1319105027	ANDY R. JOHNSON	4650 W CHESTNUT EXPY	4	4.02		360	4.02
2	1318403018	MARY R. BLOUGH	4535 W CHESTNUT EXPY	5	1.10		0	1.10
3	1318403091	ALI KHAN	4525 W CHESTNUT EXPY	5	1.82		0	1.82
4	1318403090	LEIGH VENTURES LLC	4541 W CHESTNUT EXPY	5	2.71		496	2.71
5	1319104032	CAROL MARSHALL HANSON	4540 W CHESTNUT EXPY	5	4.68		408	4.68
7	1317402014	OAK FOREST PROPERTIES-3747 W. CHESTNUT, LLC	3747 W CHESTNUT EXPY	6	1.63		340	1.63
9	1316305034	WESTWOOD INDUSTRIAL PARK, LTD.	3211 -3227 W CHESTNUT EXPY	8	4.40		251	4.40
11	1321201004	TERESA ANNETT HICKLE, TRUSTEE OF THE REID PROPERTY TRUST	3154 W CHESTNUT EXPY	8	5.00		157	5.00
12	1316407001	DJJD HOLDINGS L.L.C. AND L & B SERVICES, LLC	3005 W CHESTNUT EXPY	9	4.23		169	4.23
14	1321103018	DIME TWO, LLC	2956 W CHESTNUT EXPY	10	0.62		258	0.62
15	1321103017	THE SALVATION ARMY	2944 W CHESTNUT EXPY	10	0.83		529	0.83
16	1321103002	J E K PROPERTIES, LLC	2906 W CHESTNUT EXPY	10	0.42		251	0.42
17	1321103019	BRIAN EADY	2904 W CHESTNUT EXPY	10	0.76		392	0.76
18	1321102017	FAST STOP TIRE AND AUTOMOTIVE, LLC	2804 W CHESTNUT EXPY	11	0.46		352	0.46
19	1314433027	KARMA ENTERPRISES LLC	737 N GRANT AVE	12	0.70	191	73	0.70
20	1314411006	LIBERTY ENTERPRISE GROUP LLC.	639 W CHESTNUT EXPY	12	1.22	553	162	1.20
21	1313322020	THE GENERAL COUNCIL OF ASSEMBLIES OF GOD	415 E CHESTNUT EXPY	13	1.30	108	55	1.30
					TOTAL	852	4253	



DATE PREPARED
7/4/2025

ROUTE
LP44

STATE
MO

DISTRICT
SW

SHEET NO.
17

COUNTY
GREENE

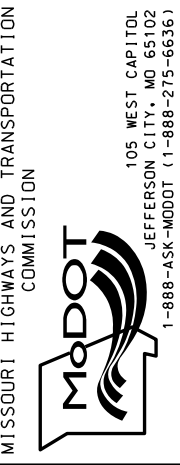
JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



RIGHT OF WAY
SUMMARY OF TAKINGS
SHEET 1 OF 1

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO

DISTRICT SHEET NO.
SW 18

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

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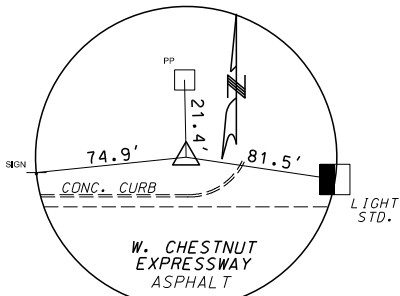
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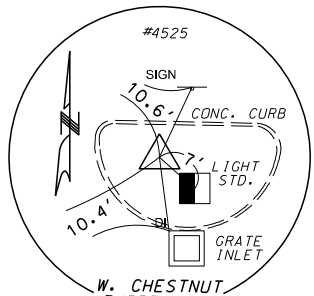
DATE

DATE

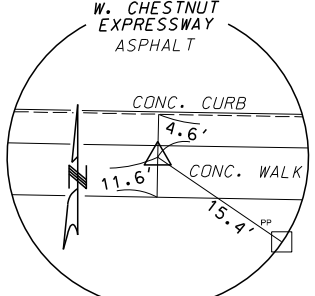
DATE



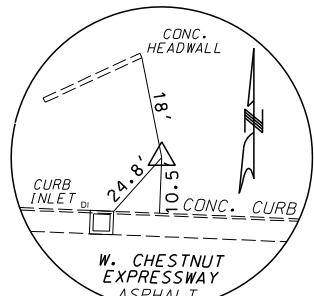
CONTROL POINT NO.1
SET IRON ROD W/CAP
N: 503320.291
E: 1385662.598
ELEV: 1277.06
€ LP44
STA. 693+17.91, 41.10' LT



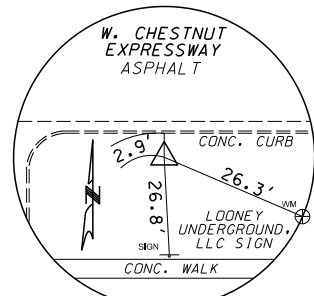
CONTROL POINT NO.2
SET IRON ROD W/CAP
N: 503302.313
E: 1386396.829
ELEV: 1276.77
€ LP44
STA. 700+52.36, 42.44' RT



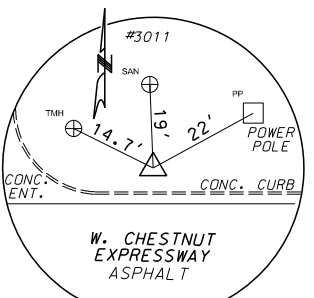
CONTROL POINT NO.3
CUT "X"
SET IRON ROD W/CAP
N: 503122.924
E: 1391576.822
ELEV: 1253.13
€ LP44
STA. 752+35.22, 36.59' RT



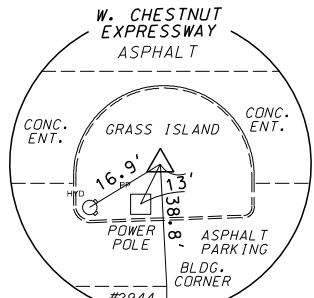
CONTROL POINT NO.4
SET IRON ROD W/CAP
N: 503187.638
E: 1392402.867
ELEV: 1234.49
€ LP44
STA. 760+59.93, 43.44' LT



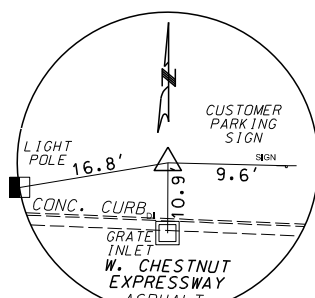
CONTROL POINT NO.5
SET IRON ROD W/CAP
N: 503050.941
E: 1395412.849
ELEV: 1269.25
€ LP 44
STA. 790+71.96, 35.50' RT



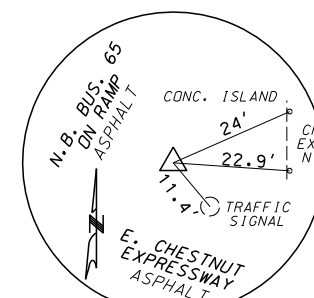
CONTROL POINT NO.6
SET IRON ROD W/CAP
N: 503104.604
E: 1396155.716
ELEV: 1280.13
€ LP 44
STA. 798+13.37, 35.74' LT



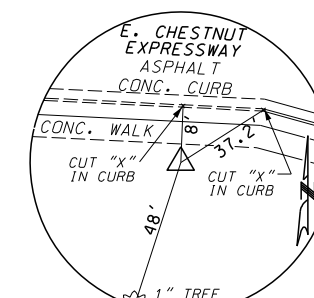
CONTROL POINT NO.7
SET IRON ROD W/CAP
N: 503009.594
E: 1396938.960
ELEV: 1285.59
€ LP 44
STA. 805+98.92, 37.75' RT



CONTROL POINT NO.8
SET IRON ROD W/CAP
N: 503061.151
E: 1397935.686
ELEV: 1275.15
€ LP 44
STA. 815+93.86, 41.13' LT



CONTROL POINT NO.9
SET IRON ROD W/CAP
N: 504191.880
E: 1407906.124
ELEV: 1303.62
€ LP 44
STA. 99+52.26, 8.07' RT



CONTROL POINT NO.10
SET IRON ROD W/CAP
N: 504248.273
E: 1408043.502
ELEV: 1304.59
€ LP 44
STA. 100+62.30, 51.02' LT

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

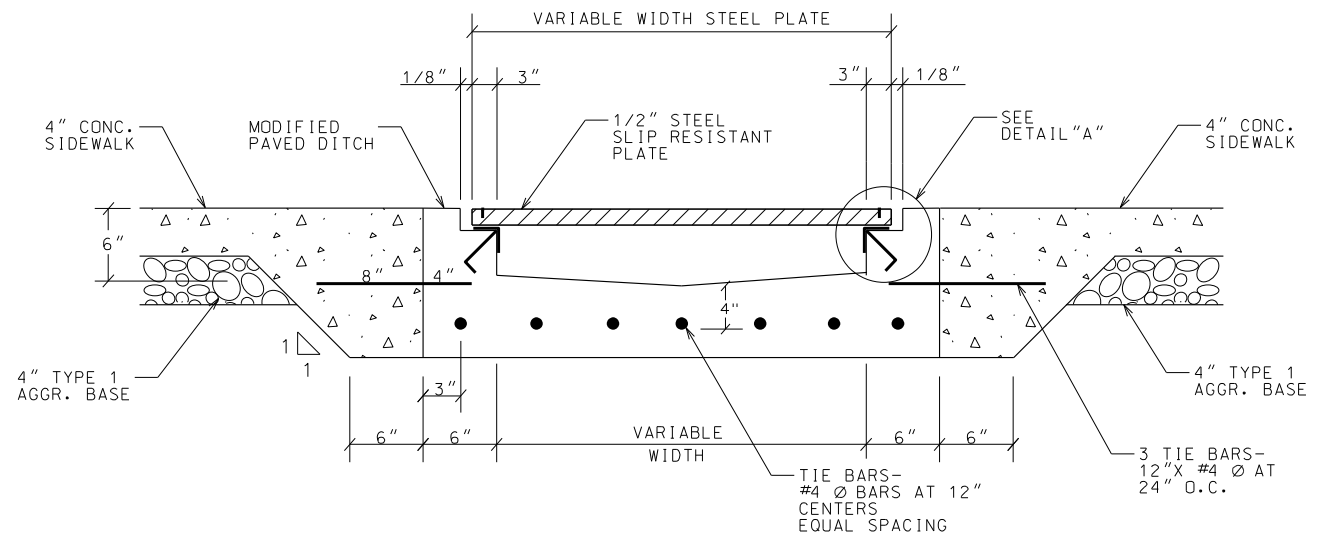
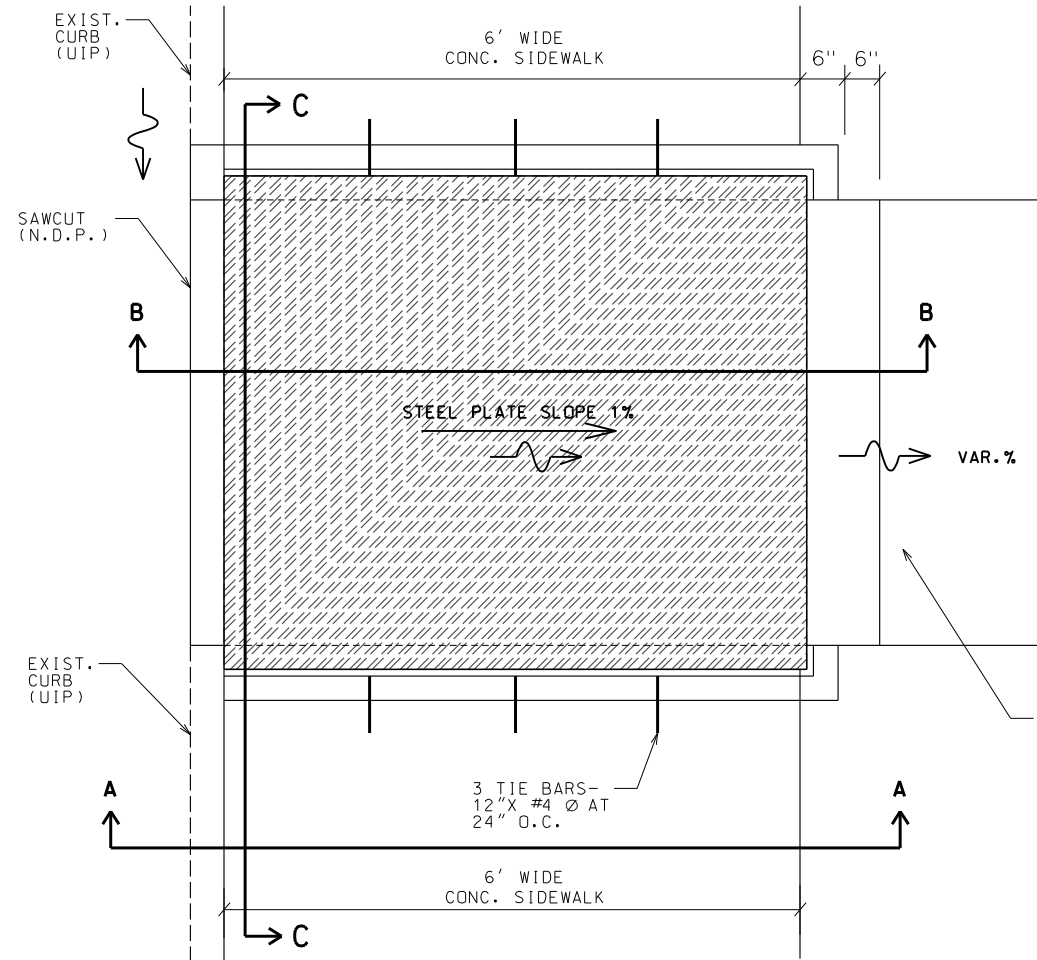
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



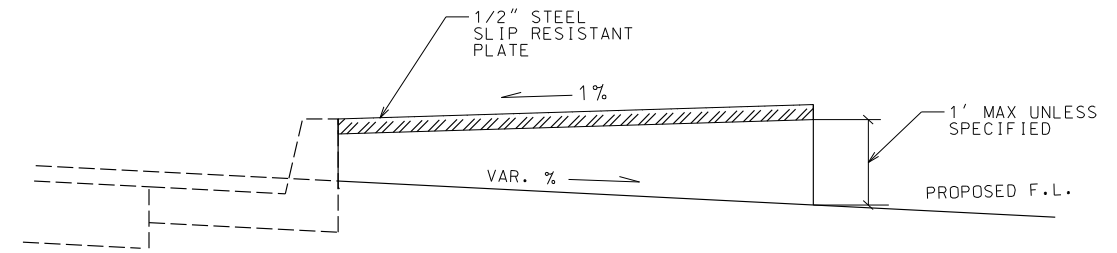
REFERENCE POINTS
SHEET 1 OF 2

STEEL PLATE OVER NEW MOD. TYPE A GUTTER

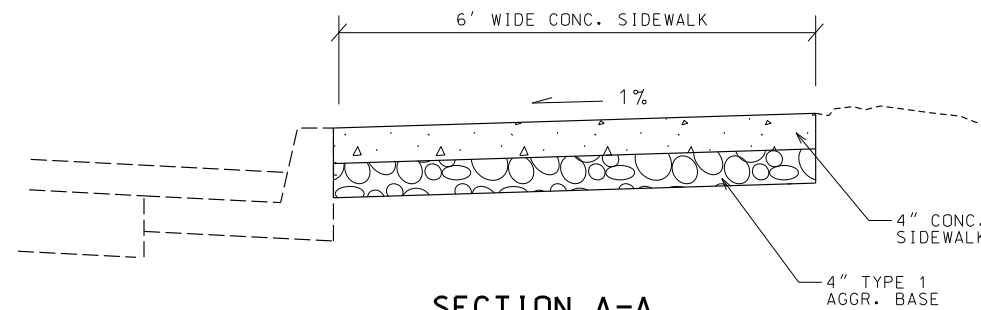
PLAN



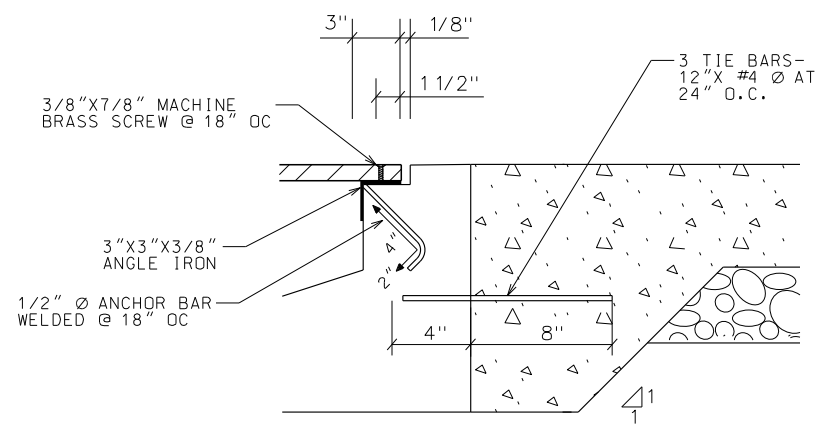
SECTION C-C



SECTION B-B



SECTION A-A

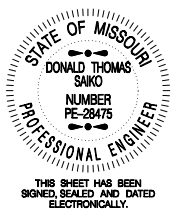


"DETAIL A"

NOTES:

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

SPECIAL SHEET
STEEL PLATE DETAILS
SHEET 1 OF 1



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 21
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, L.L.C.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



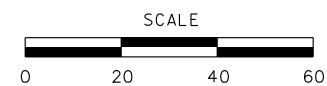
LEGEND:

-  PROPOSED SIDEWALK 4"
-  CONCRETE ISLAND, 8"
-  PATTERN CONCRETE
-  OPTIONAL PAVEMENT
-  TYPE B CURB AND GUTTER

NW 1/4 SW 1/4
S13, T29N, R22W

NE 1/4 SW 1/4
S13, T29N, R22W

JEFFERSON AVE.



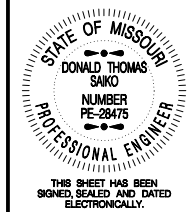
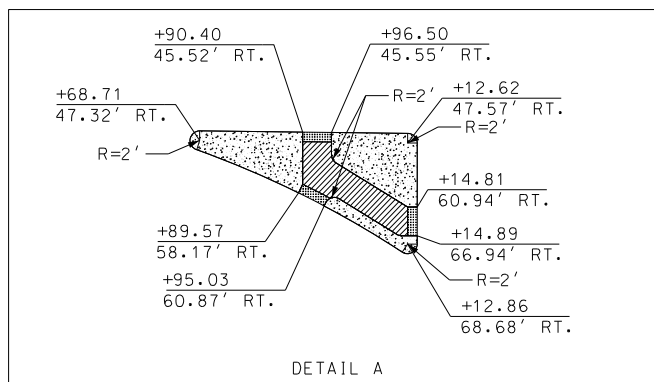
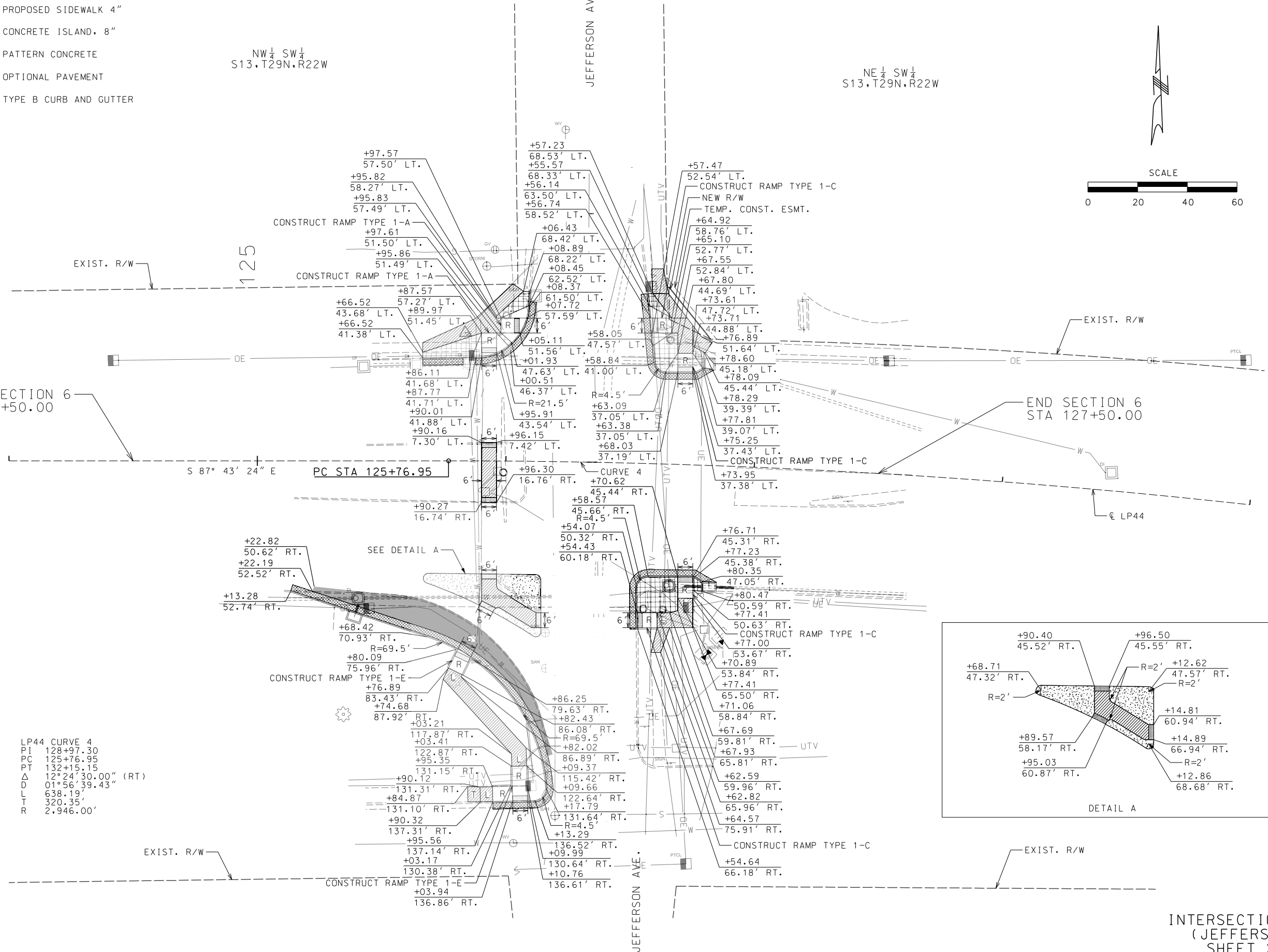
BEGIN SECTION 6
STA 124+50.00

END SECTION 6
STA 127+50.00

S 87° 43' 24" E

PC STA 125+76.95

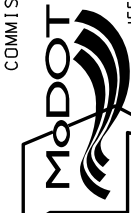
LP44 CURVE 4
PI 128+97.30
PC 125+76.95
PT 132+15.15
Δ 12°24'30.00" (RT)
L 638.19'
T 320.35'
R 2,946.00'



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 23
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



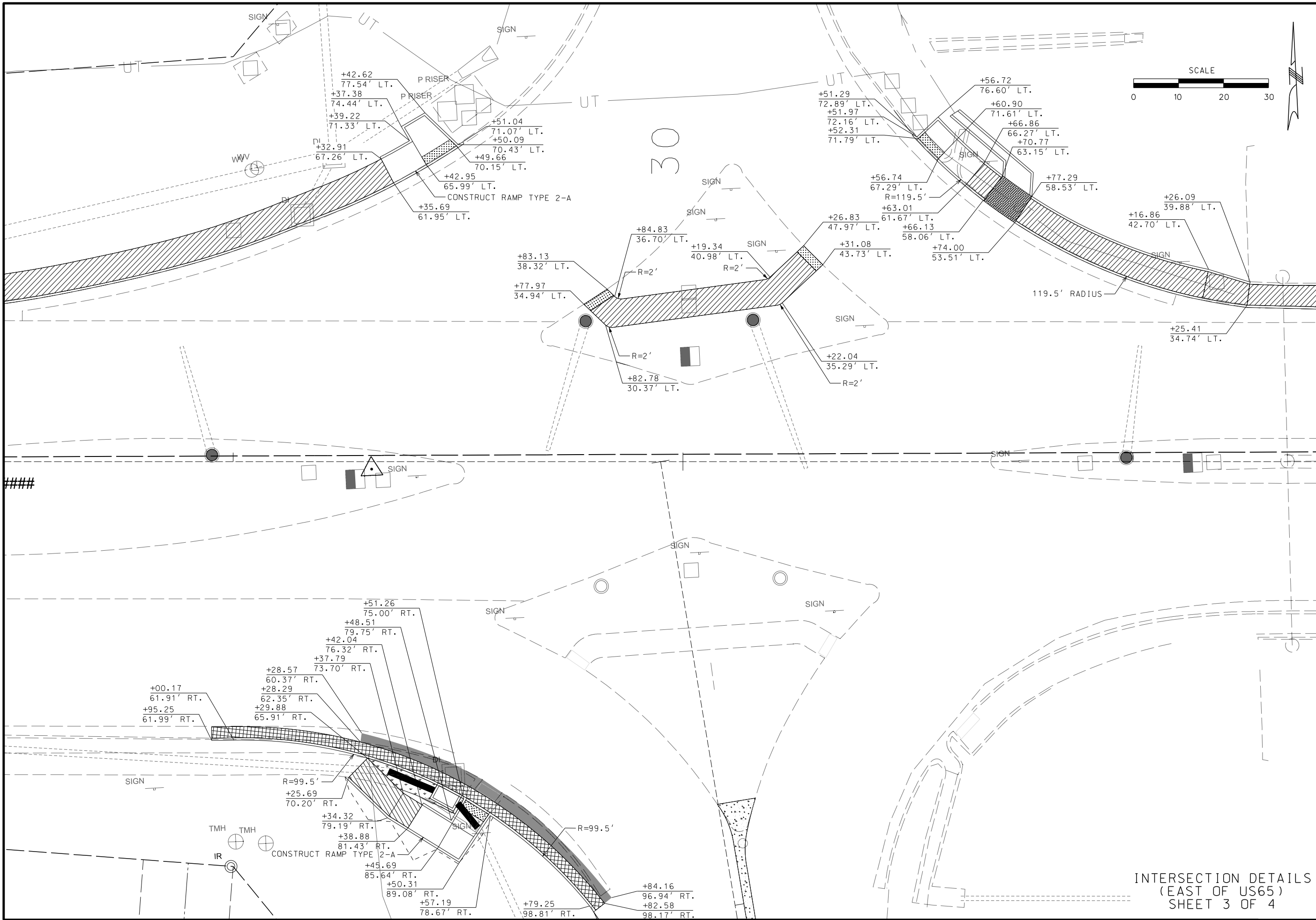
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



INTERSECTION DETAILS
(JEFFERSON AVE)
SHEET 2 OF 4

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



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 24
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

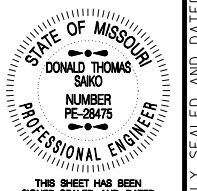
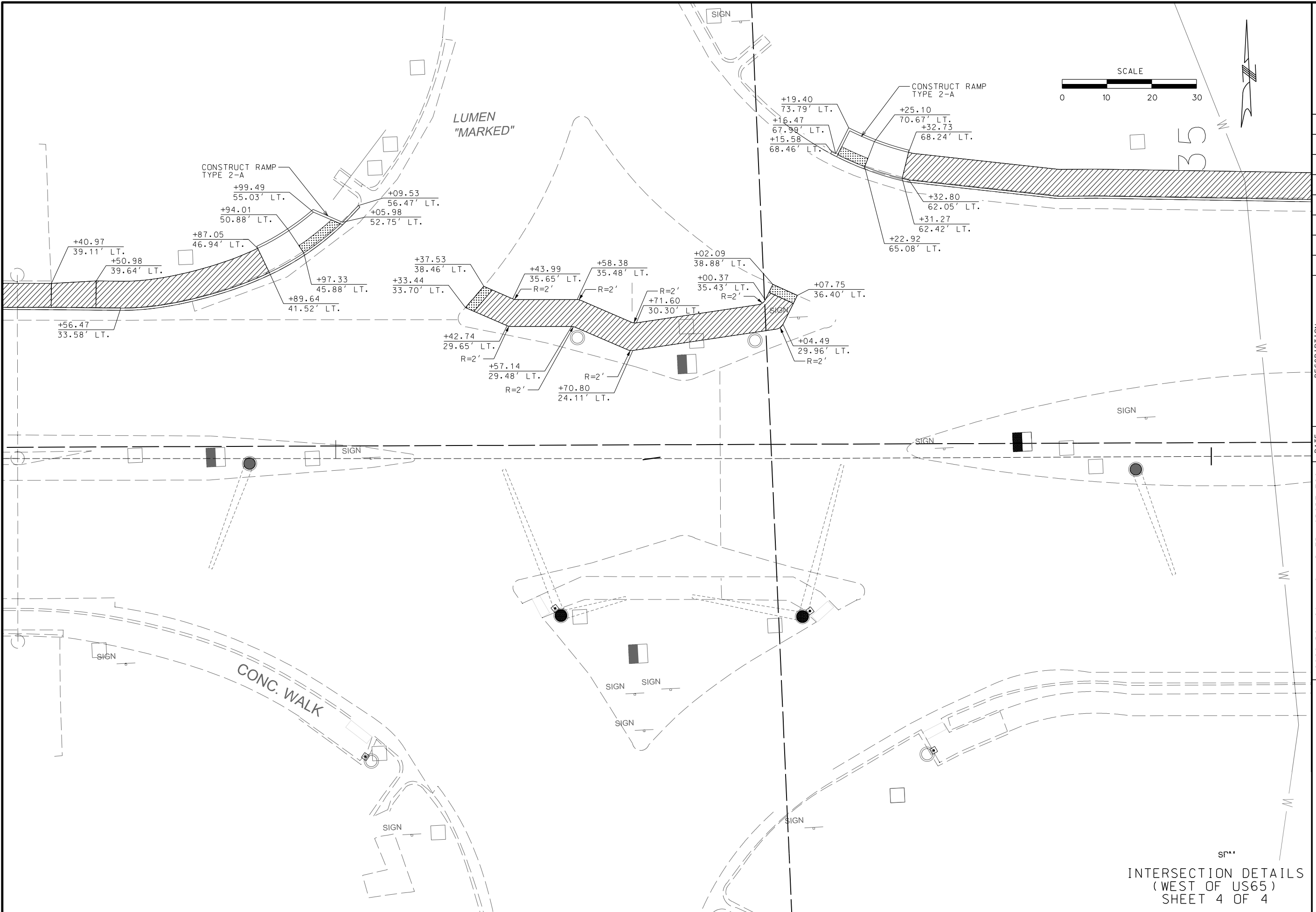
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



INTERSECTION DETAILS
(EAST OF US65)
SHEET 3 OF 4

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO
DISTRICT SHEET NO.
SW 25

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

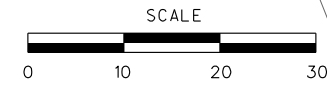
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



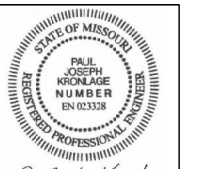
SR**
INTERSECTION DETAILS
(WEST OF US65)
SHEET 4 OF 4

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

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)	SPACING	
	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



Paul J. Kronlage
 05/27/2025 10:03:19 AM
 Paul J. Kronlage - Civil
 MO PE - 023328

DATE PREPARED
 5/27/2025
 ROUTE
 LP44
 DISTRICT
 SW
 STATE
 MO
 SHEET NO.
 26

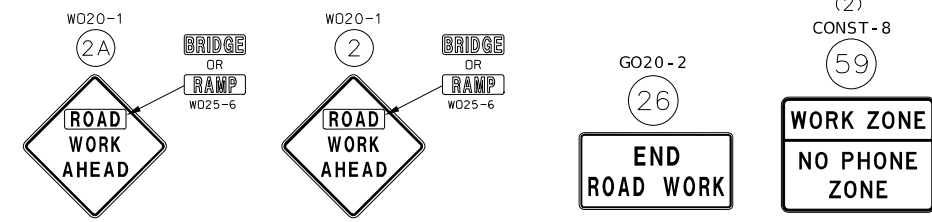
COUNTY
 GREENE
 JOB NO.
 J8P3144
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



SHARE WITH J8S0745

* SIGN (2A) WITH AWRS MUST BE GROUND OR SKID MOUNTED.

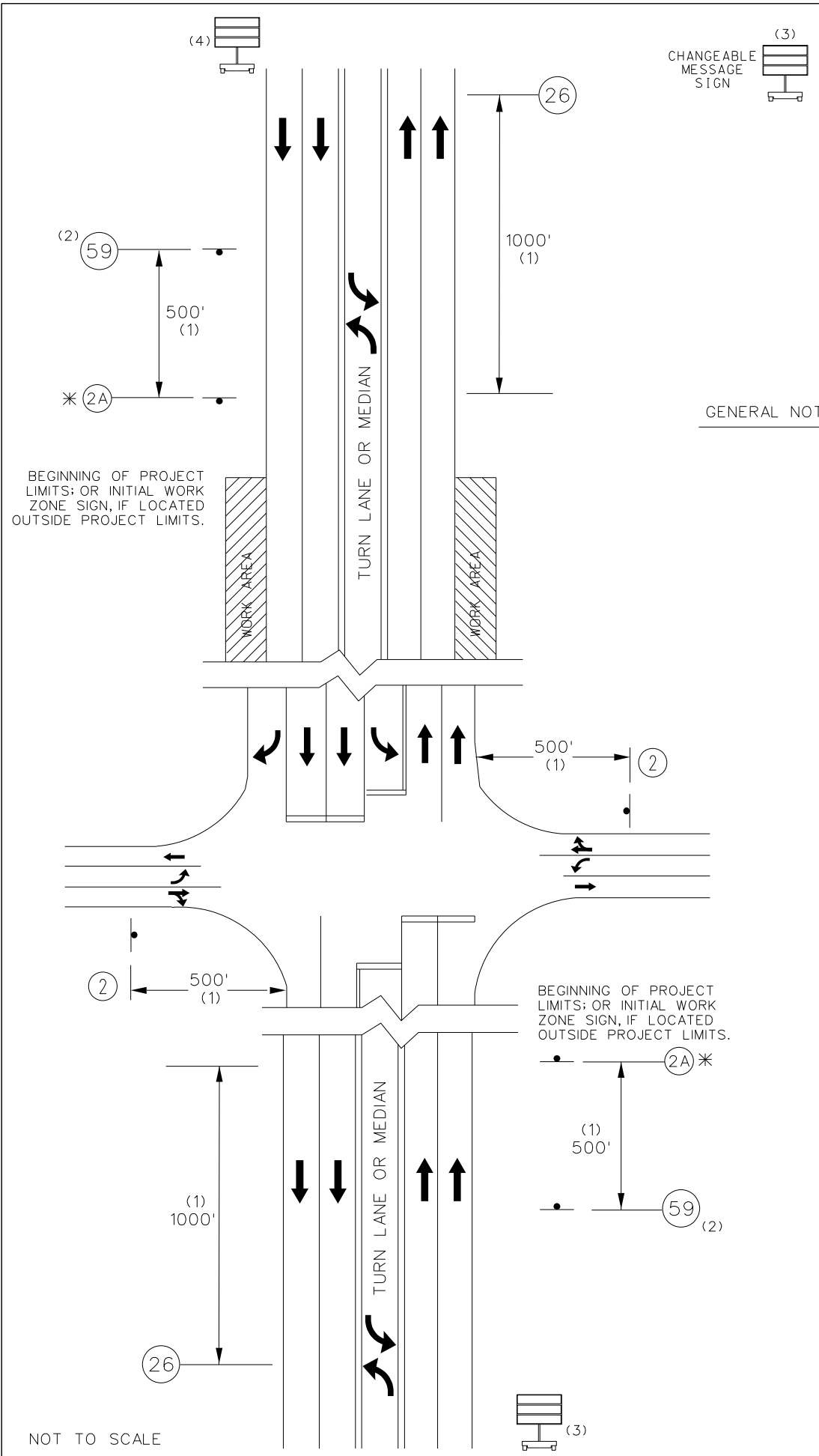
GENERAL NOTES:

- ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
- ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
- SEE STANDARD DRAWING 616.10 AND 620.10 FOR ADDITIONAL DETAILS, AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
- 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.
- TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
- 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.
- ALL SIGNS 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.
- 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).
- 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.
- THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
- ALL PEDESTRIAN TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CURB RAMP & SIDEWALK IS OPENED FOR PEDESTRIAN TRAVEL.
- 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.
- SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.

- DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2,4,5,6 AND 54 IN MEDIAN. FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACED NEXT TO THRU LANE.

BEGIN/END OF PROJECT SIGNING
 MULTI-LANE



NOT TO SCALE

NOT TO SCALE

TRAFFIC CONTROL
 SHEET 1 OF 11



Paul J. Kronlage
 05/27/2025 10:04:08 AM
 Paul J. Kronlage - Civil
 MO PE - 023328

DATE PREPARED
 5/27/2025

ROUTE STATE
 LP44 MO

DISTRICT SHEET NO.
 SW 27

COUNTY
 GREENE

JOB NO.
 J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

EFK Moen
 Civil Engineering Design

13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

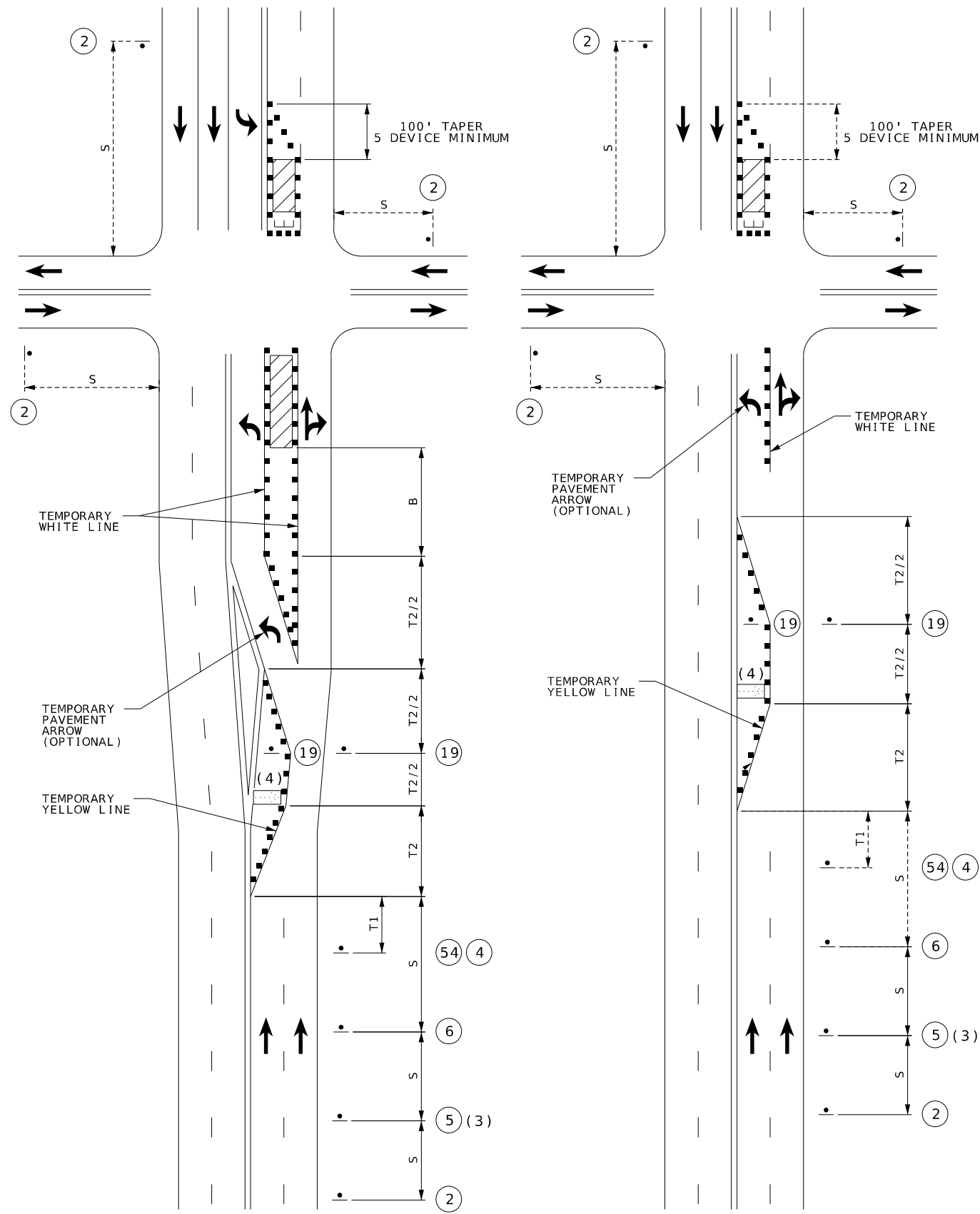
REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.

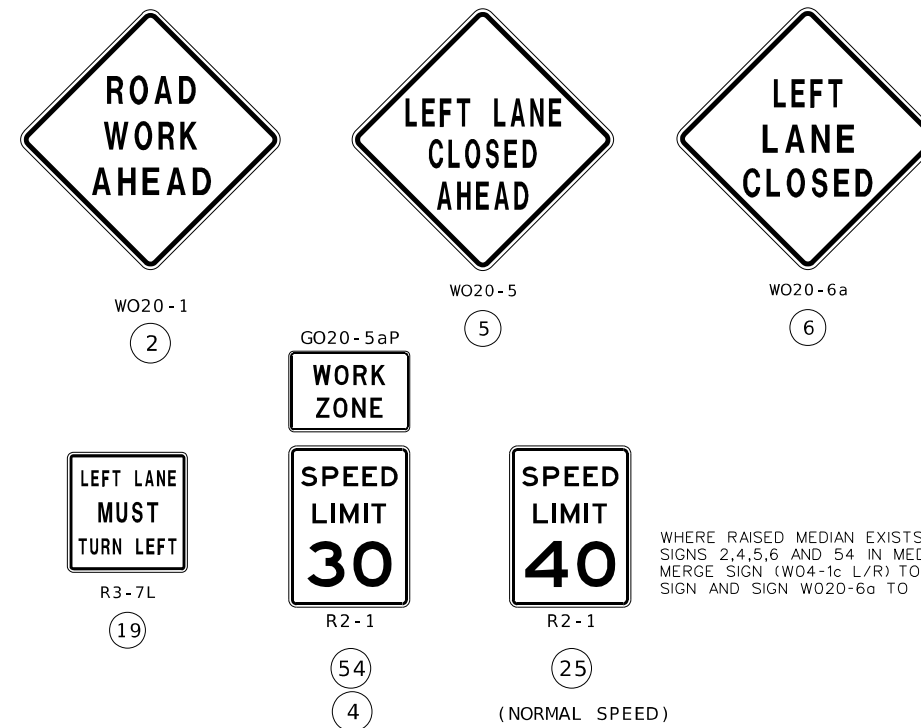
- (3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.



WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY

LEFT LANE CLOSURE AT INTERSECTION



WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2,4,5,6 AND 54 IN MEDIAN. FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACED NEXT TO THRU LANE.

NOT TO SCALE

TRAFFIC CONTROL SHEET 2 OF 11



Paul J. Kronlage
05/27/2025 10:04:35 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO

DISTRICT SHEET NO.
SW 28

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

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DATE

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/WORK AREAS
0-35	200	200	70	245	250	35	40
40-45	350	500	150	540	360	40	80
50-55	500	1000	185	660	495	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

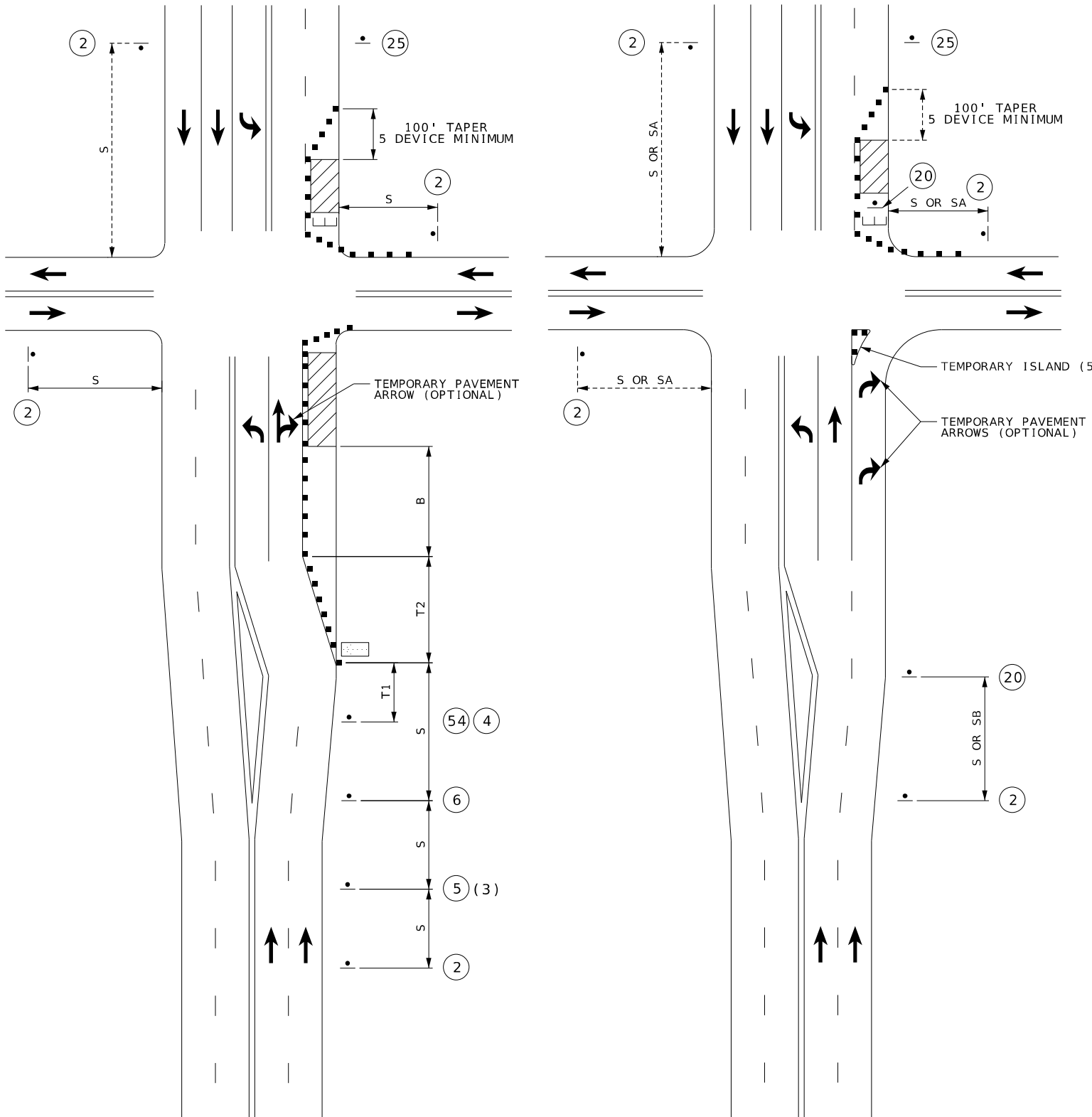
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.

(3) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(4) TYPICAL APPLICATION ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH TRAFFIC TURNS RIGHT.

(5) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.



WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY (4)

RIGHT LANE CLOSURE AT INTERSECTION



WO20-1 (2)



WO20-5 (5)



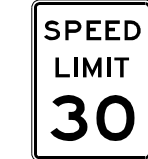
WO20-6a (6)



R3-7R (20)



R2-1 (54)



(4)



(25) (NORMAL SPEED)

WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2,4,5,6 AND 54 IN MEDIAN, FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACED NEXT TO THRU LANE.

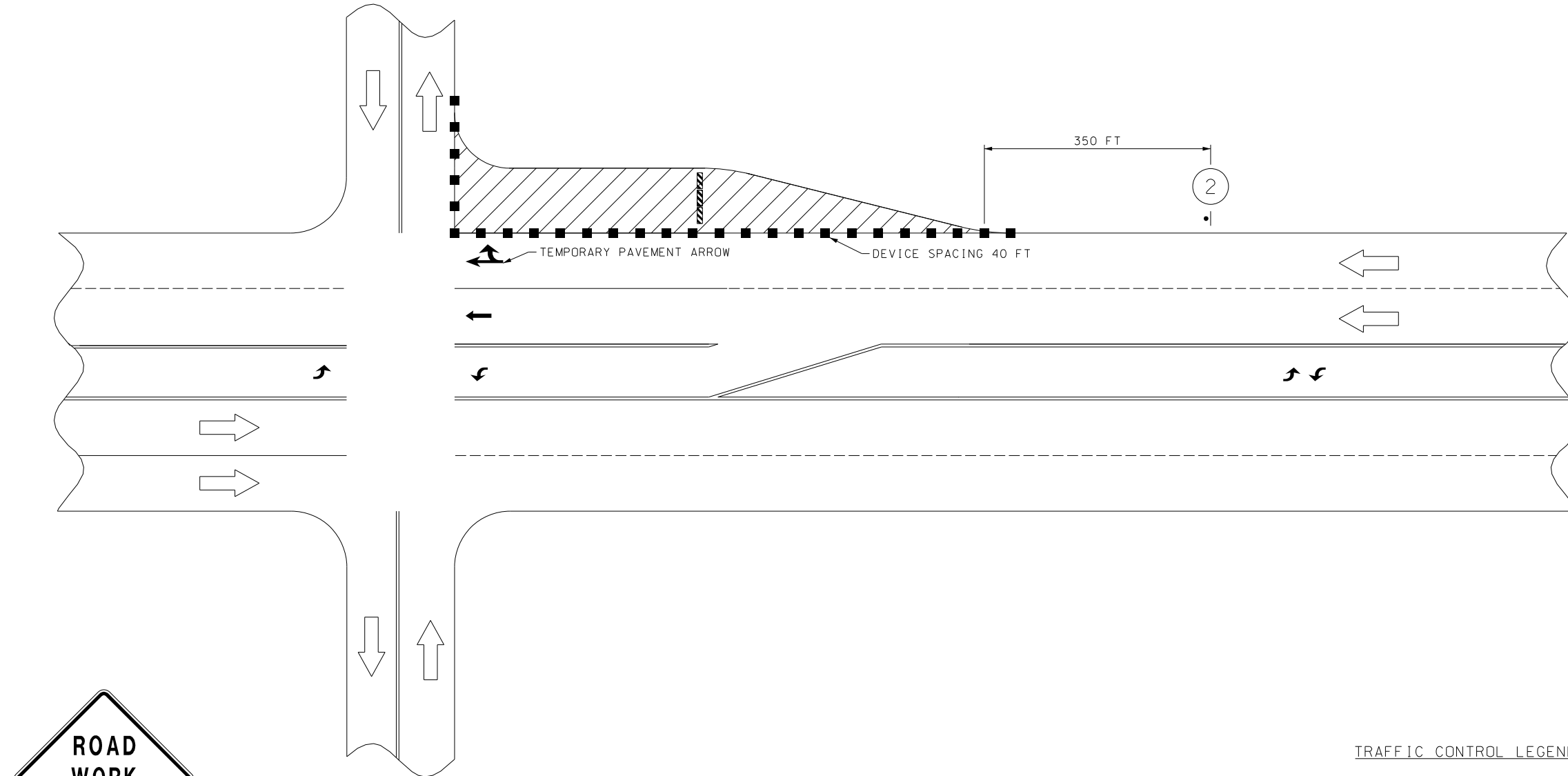
NOT TO SCALE

TRAFFIC CONTROL SHEET 3 OF 11

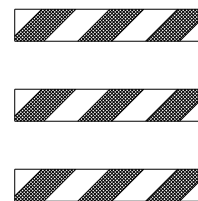
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

RIGHT TURN LANE CLOSURE AT INTERSECTION

- GENERAL TCP NOTES:
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 - 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 - 3) THE CONTRACTOR SHALL NOT BE CLOSE SIDEWALKS OR CURB RAMP ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.
 - 4) THE PEDESTRIAN WALKWAYS (SIDEWALKS, CURB RAMP, AND CROSSWALKS) SHALL NOT BE IMPEDED OR BLOCKED BY ANY TEMPORARY TRAFFIC CONTROL DEVICES.



W020-1
48" X 48"



2

WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2, 4, 5, 6 AND 54 IN MEDIAN. FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACED NEXT TO THRU LANE.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- ADVANCED WARNING RAIL SYSTEM
- CHANNELIZER (TRIM LINE)
- ARROW PANEL
- WORK AREA
- TYPE 3 MOVABLE BARRICADE

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 11



Paul J. Kronlage
05/27/2025 10:05:21 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 29
COUNTY GREENE	
JOB NO. J8P3144	
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)

EFK Moen
Civil Engineering Design

13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

SIGNING REFLECTS DAY OR NIGHT TIME WORKING HOURS

EFFECTIVE: 06-08-2016
REVISED (ADA): 12-04-2021

8 PM - 6 AM
NO LANE CLOSURES
OUTSIDE OF THIS
TIME WINDOW

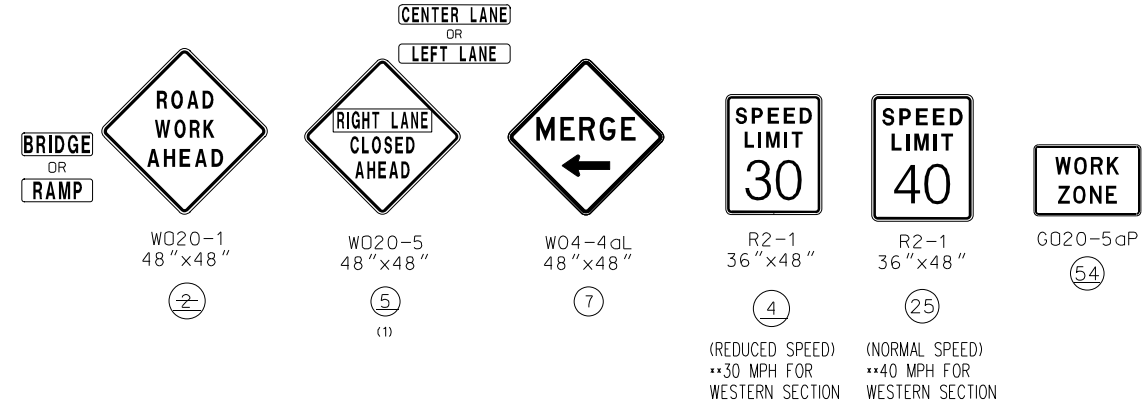
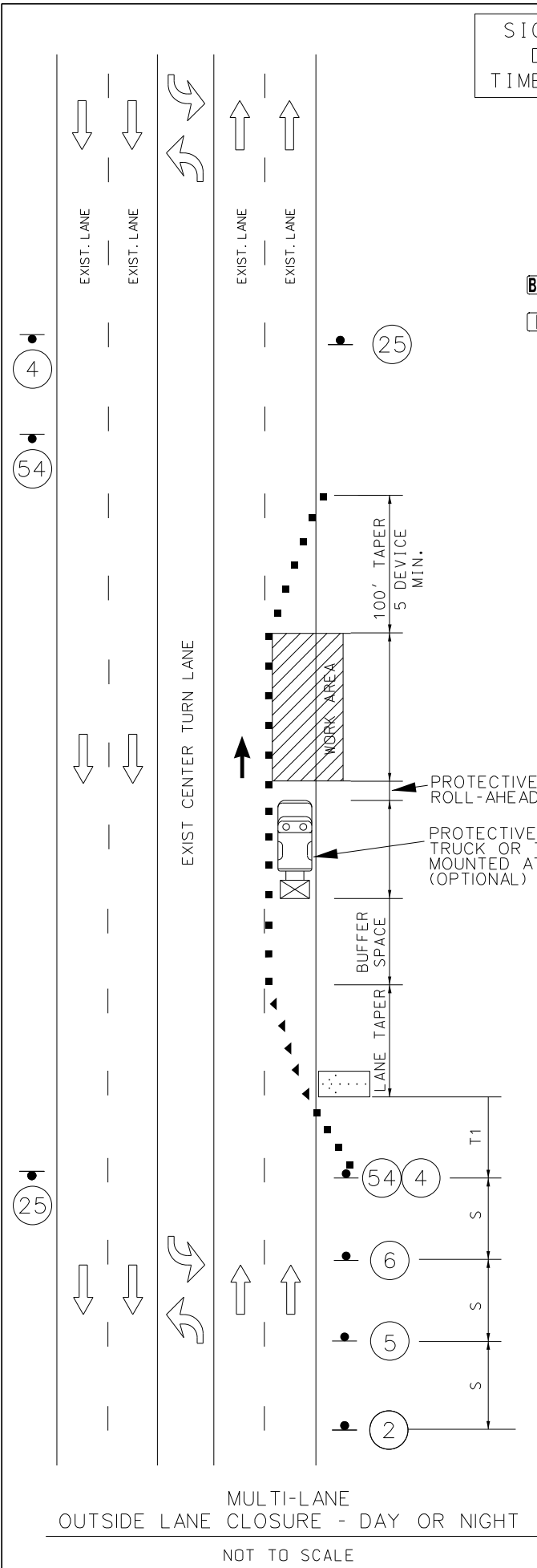
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- ▨ ADVANCED WARNING RAIL SYSTEM
- CHANNELIZER (TRIM LINE)
- ⬛ FLASHING ARROW PANEL
- WORK AREA
- ▨ TYPE 3 MOVABLE BARRICADE
- ▼ DIRECTIONAL INDICATOR BARRICADE
- ☒ TMA



Paul J. Kronlage
05/27/2025 10:05:47 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/27/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 30
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



NIGHT TIME WORK HOURS
8 PM - 6 AM

GENERAL NOTES:

1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. 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.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS 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.
10. 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.
11. 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.
12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
14. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.
16. CONTRACTOR SHALL COORDINATE WITH RESURFACING PROJECTS: J8P3050B, J8S3112, J8S3117.

WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2,4,5,6 AND 54 IN MEDIAN. FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACE NEXT TO THRU LANE.

(1) SIGN (5) MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

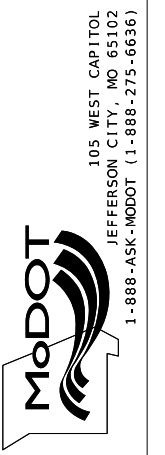
SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGHT (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120

(1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.
(2) LANE TAPER LENGTH BASED ON 12' (STANDARD LANE WIDTH) OFFSET.

NOT TO SCALE

TRAFFIC CONTROL SHEET 5 OF 11

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

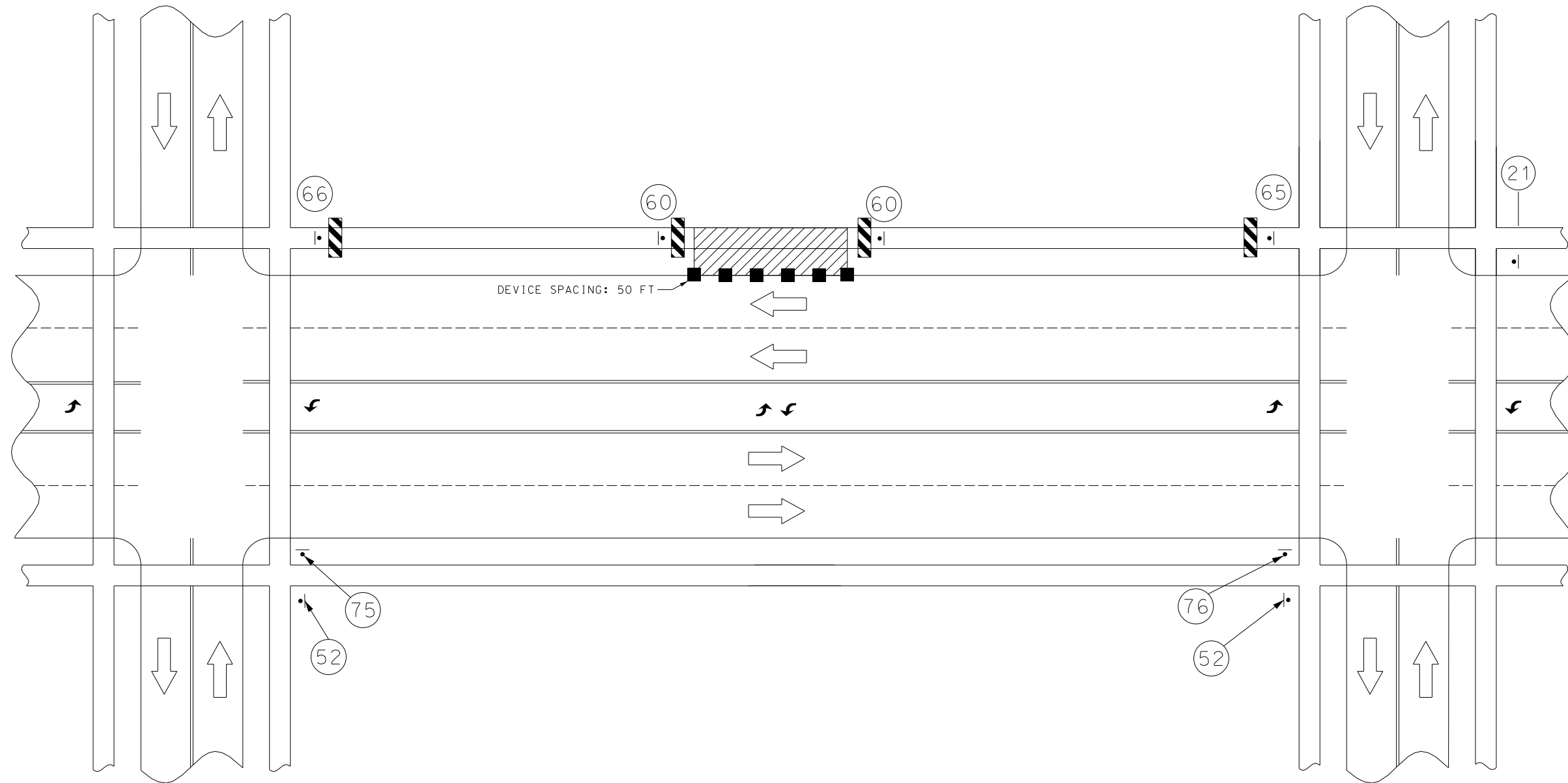
SIDEWALK CLOSURE

GENERAL TCP NOTES:
1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
3) THE CONTRACTOR SHALL NOT CLOSE SIDEWALKS OR CURB RAMP ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.



Paul J. Kronlage
05/27/2025 10:06:11 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 31
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



 R9-11L 24"x18" 65	 R9-11R 24"x18" 66	 R9-9 24"x12" 60	 W021-5 48"x48" 21	 M04-8a 24"x18" 52	 M04-9bL 30"x24" 75	 M04-9bR 30"x24" 76
-----------------------------	-----------------------------	---------------------------	-----------------------------	-----------------------------	------------------------------	------------------------------

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- TYPE 3 MOVABLE BARRICADE (ADA COMPLIANT)
- CHANNELIZER (TRIM LINE)
- ARROW PANEL
- WORK AREA

NOT TO SCALE

TRAFFIC CONTROL
SHEET 6 OF 11

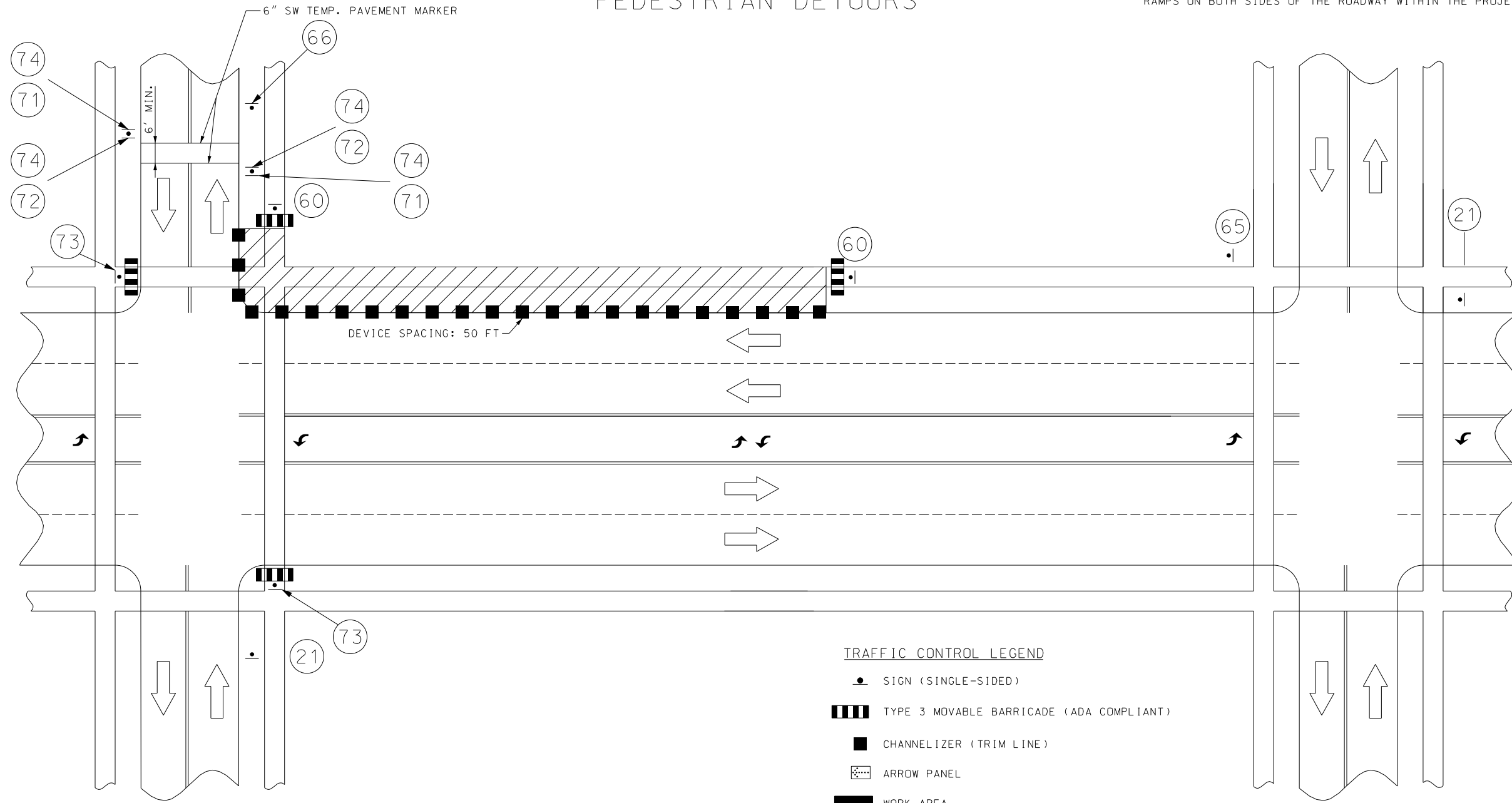
DESCRIPTION	DATE

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

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

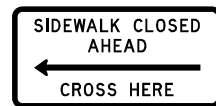
CROSSWALK CLOSURE AND PEDESTRIAN DETOURS

GENERAL TCP NOTES:
 1) ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 2) NO DIRECT PAYMENT FOR RELOCATION OF TCP SIGNS. ALL WARNING SIGNS SHALL HAVE FLUORESCENT SHEETING.
 3) THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE SIDEWALKS OR CURB RAMPS ON BOTH SIDES OF THE ROADWAY WITHIN THE PROJECT LIMITS.



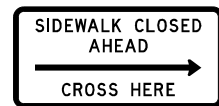
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE-SIDED)
- ▬▬▬ TYPE 3 MOVABLE BARRICADE (ADA COMPLIANT)
- CHANNELIZER (TRIM LINE)
- ▨ ARROW PANEL
- WORK AREA
- ◐ SIGN (DOUBLE-SIDED)



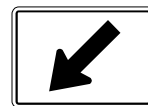
R9-11L
24"X18"

65



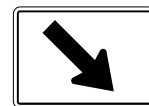
R9-11R
24"X18"

66



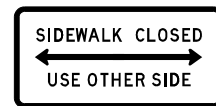
W16-7P-L
30"X18"

71



W16-7P-R
30"X18"

72



R9-10
24"X18"

73



W021-5
48"X48"

21



R9-9
24"X12"

60

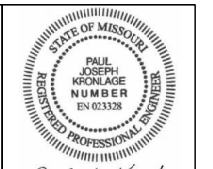


W11-2
48"X48"

74

NOT TO SCALE

TRAFFIC CONTROL SHEET 7 OF 11



Paul J. Kronlage
 05/27/2025 10:06:46 AM
 Paul J. Kronlage - Civil
 MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 32
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

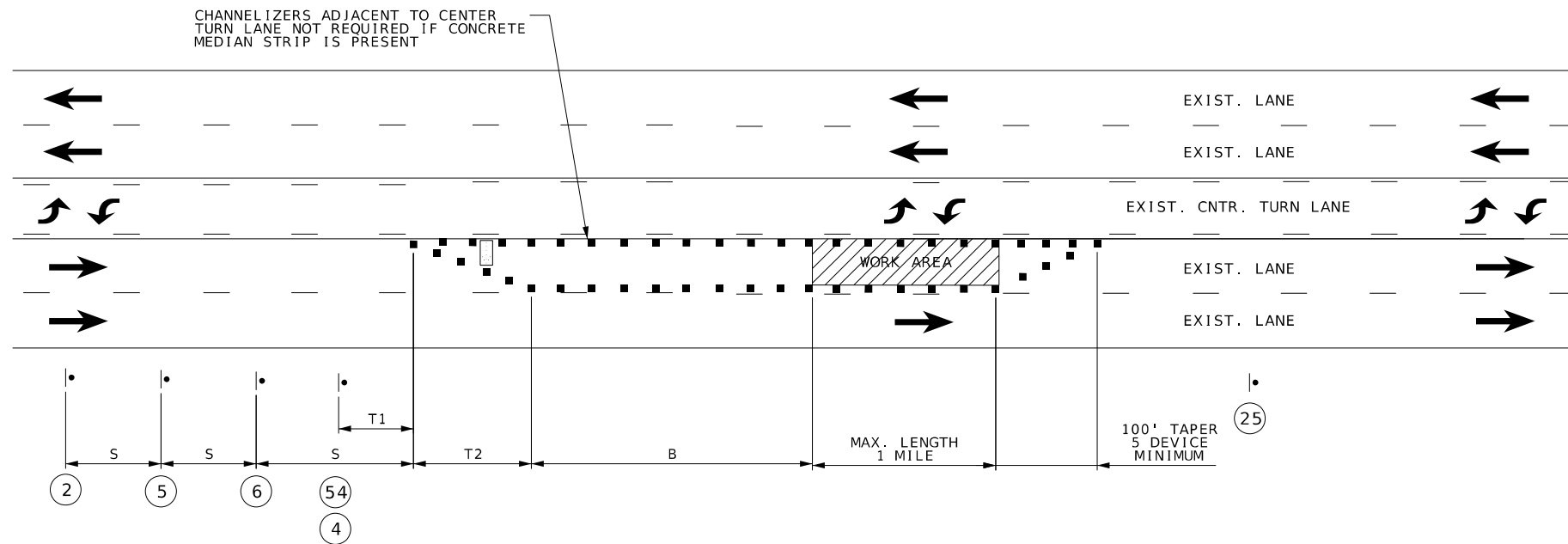
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578

PASSING LANE CLOSURE



SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.
- FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.
- SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", 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. SEE JOB SPECIAL PROVISIONS.
- WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- LAYOUT IS TYPICAL FOR EITHER DIRECTION.
- SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



W020-1
2



W020-5
5



W020-6a
6



R2-1
54
4



R2-1
25
(NORMAL SPEED)

WHERE RAISED MEDIAN EXISTS, INSTALL ADDITIONAL SIGNS 2,4,5,6 AND 54 IN MEDIAN. FOR SIGN 6, MERGE SIGN (W04-1c L/R) TO BE PLACED ON LANE DROP SIGN AND SIGN W020-6a TO BE PLACE NEXT TO THRU LANE.

NOT TO SCALE

TRAFFIC CONTROL SHEET 8 OF 11

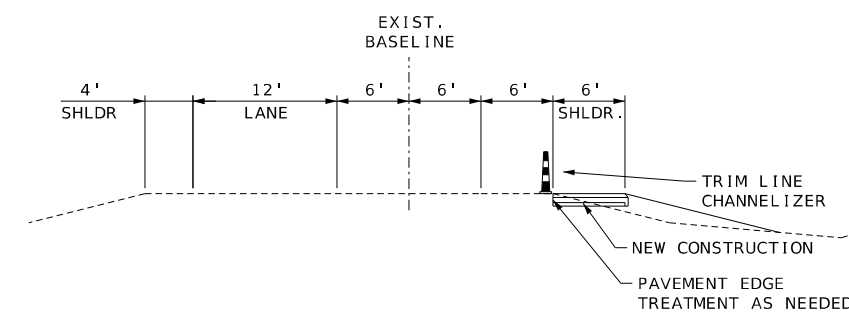
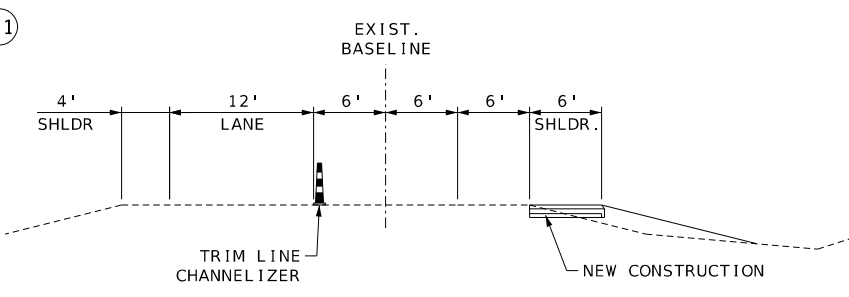
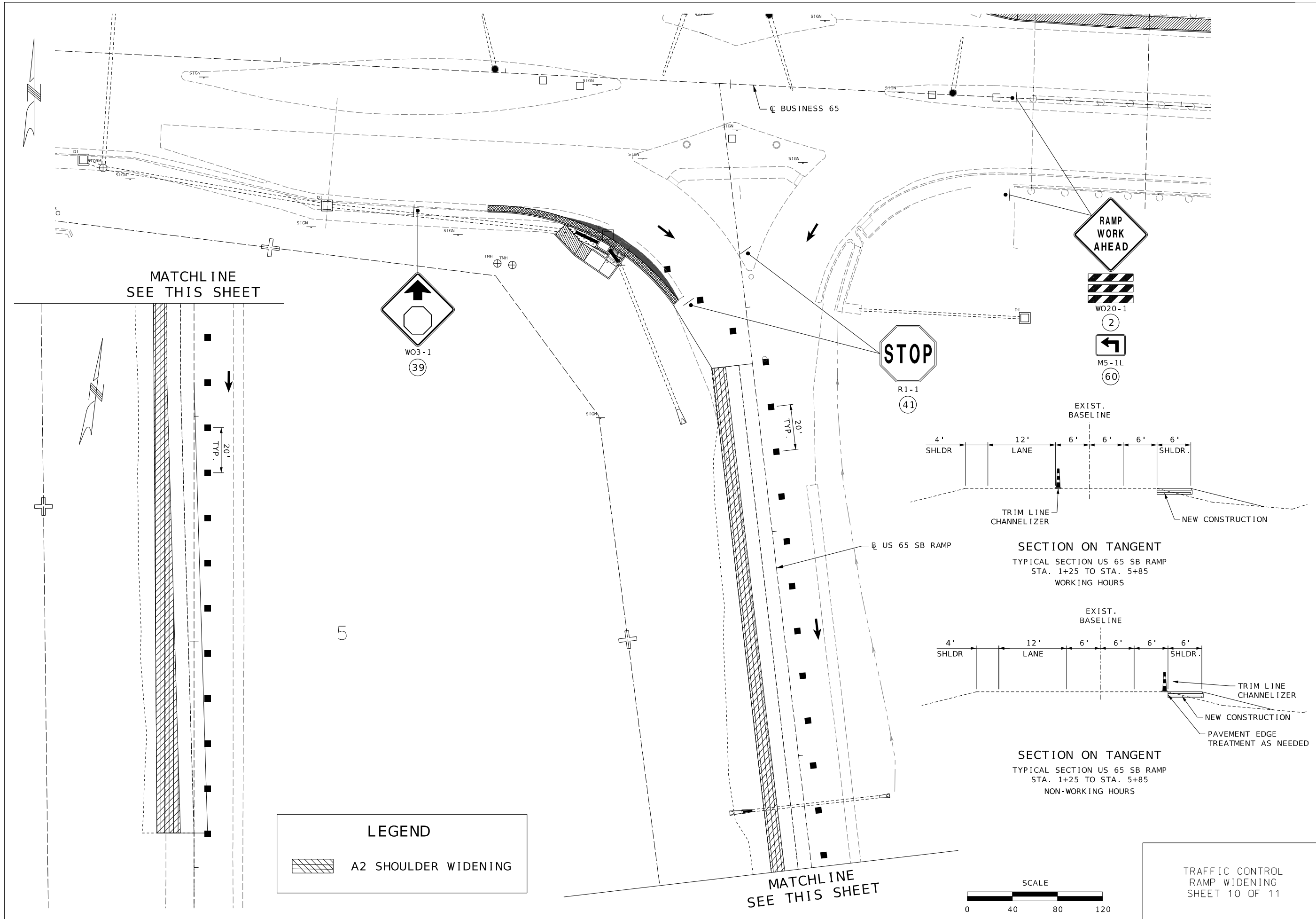
Paul J. Kronlage
05/27/2025 10:07:10 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 33
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

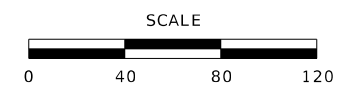
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



LEGEND	
	A2 SHOULDER WIDENING



TRAFFIC CONTROL
RAMP WIDENING
SHEET 10 OF 11



Paul J. Kronlage
Paul J. Kronlage - Civil
MO PE - 023328

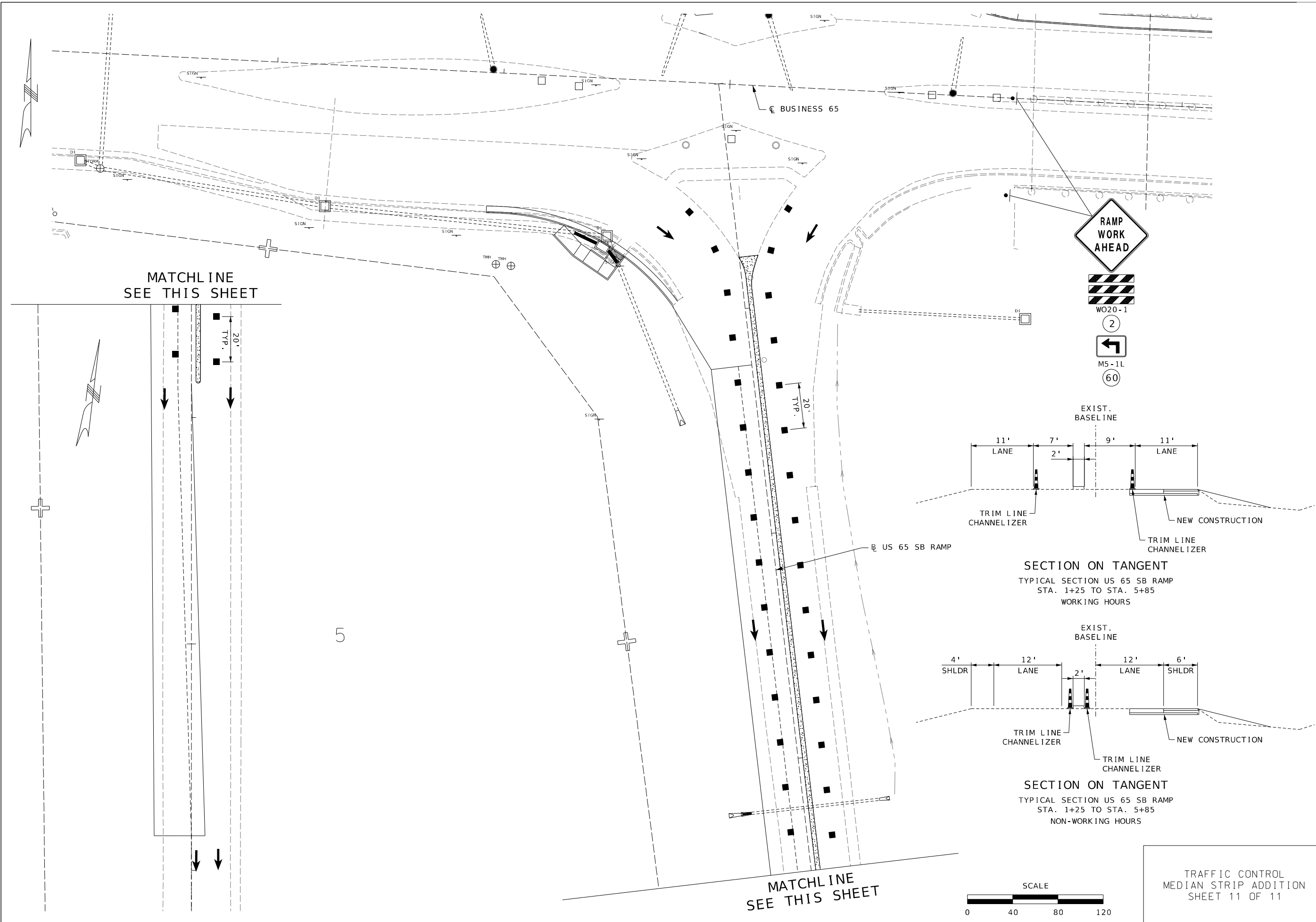
DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 35
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

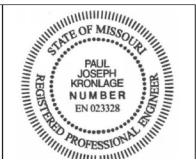
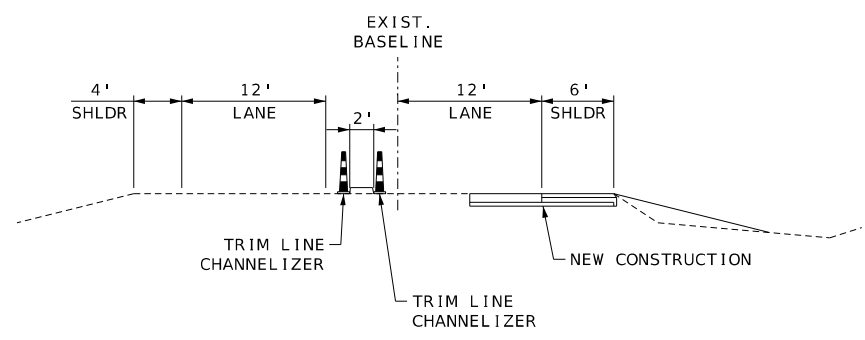
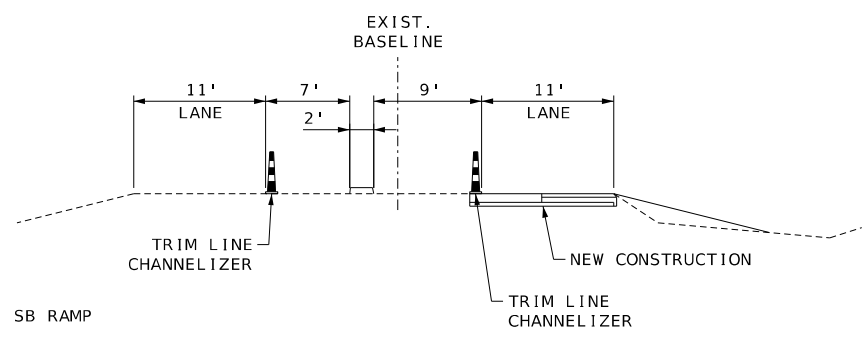
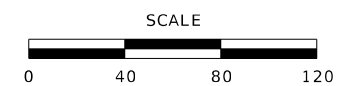
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578



MATCHLINE
SEE THIS SHEET

MATCHLINE
SEE THIS SHEET

5



Paul J. Kronlage
05/27/2025 10:09:09 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 36

COUNTY
GREENE
JOB NO.
J8P3144
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)

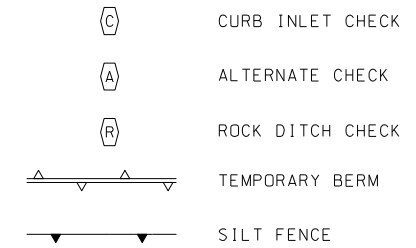
EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

TRAFFIC CONTROL
MEDIAN STRIP ADDITION
SHEET 11 OF 11

NOTES:

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

TEMPORARY EROSION CONTROL LEGEND



Paul J. Kronlage
05/27/2025 10:09:29 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO

DISTRICT SHEET NO.
SW 37

COUNTY
GREENE

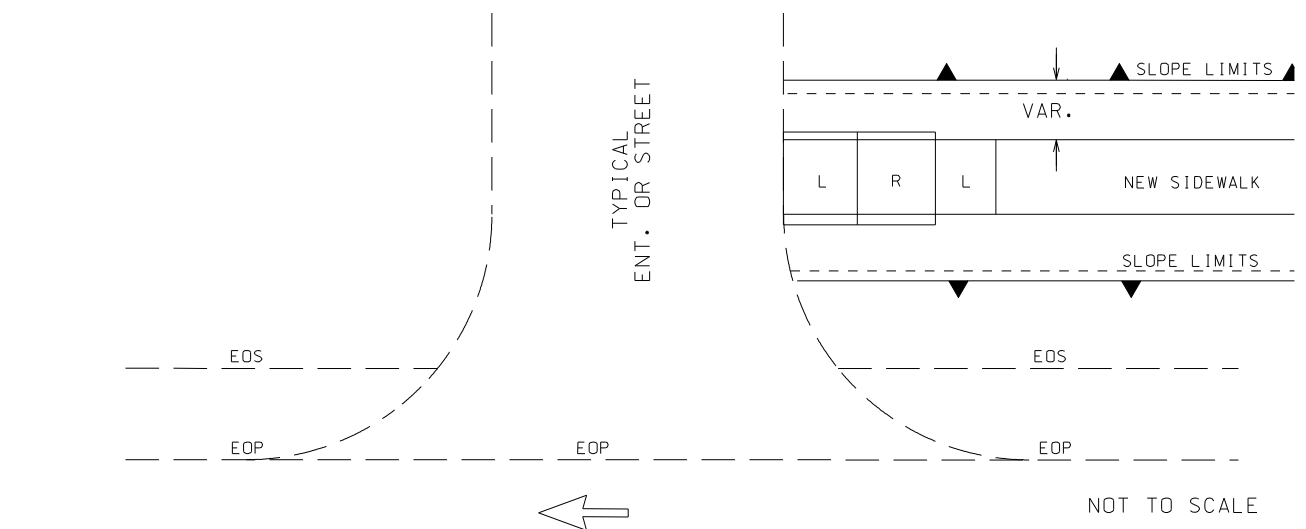
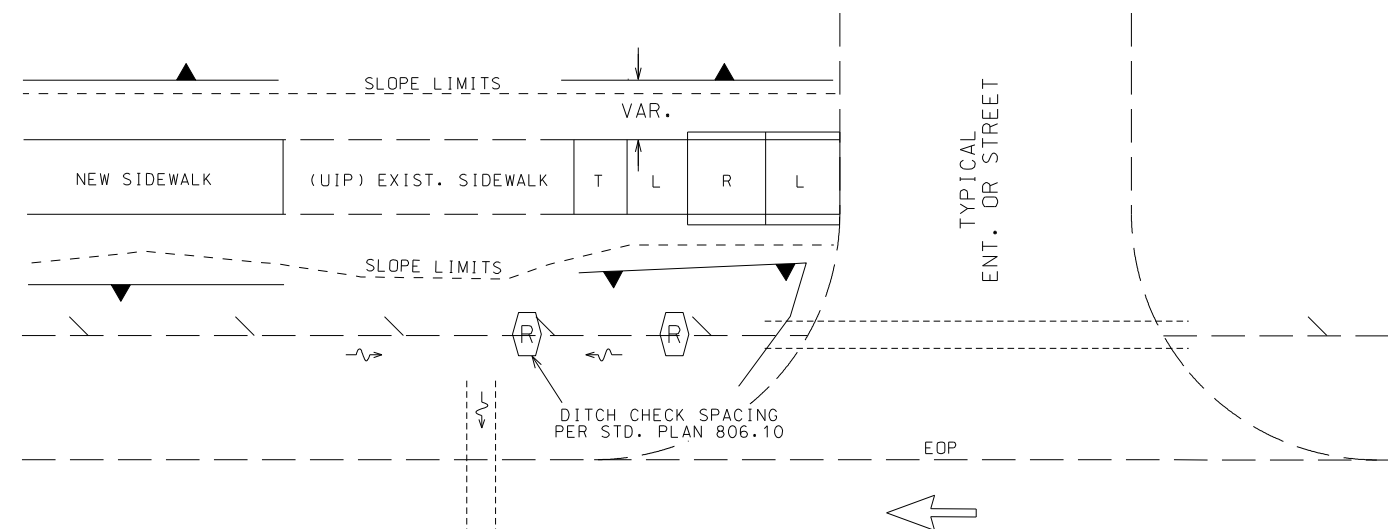
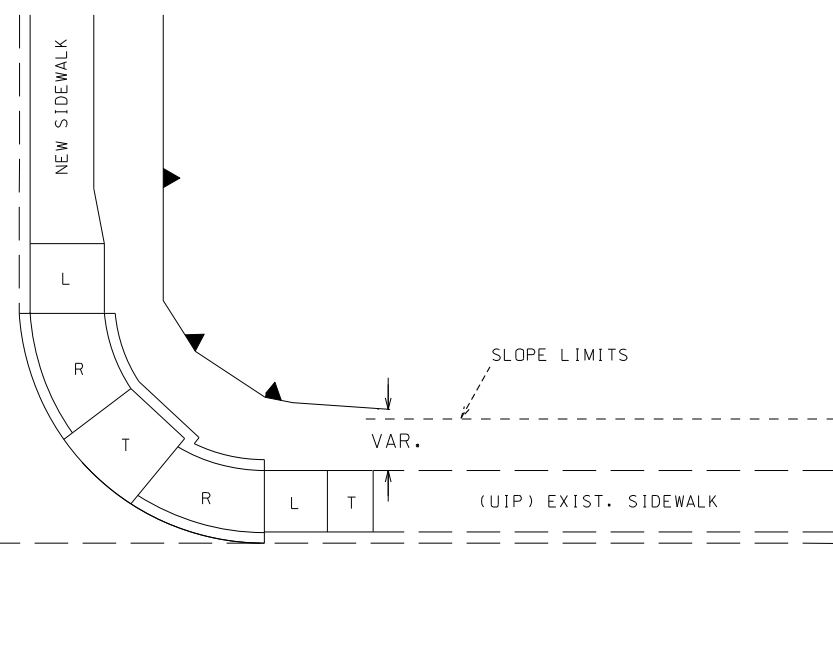
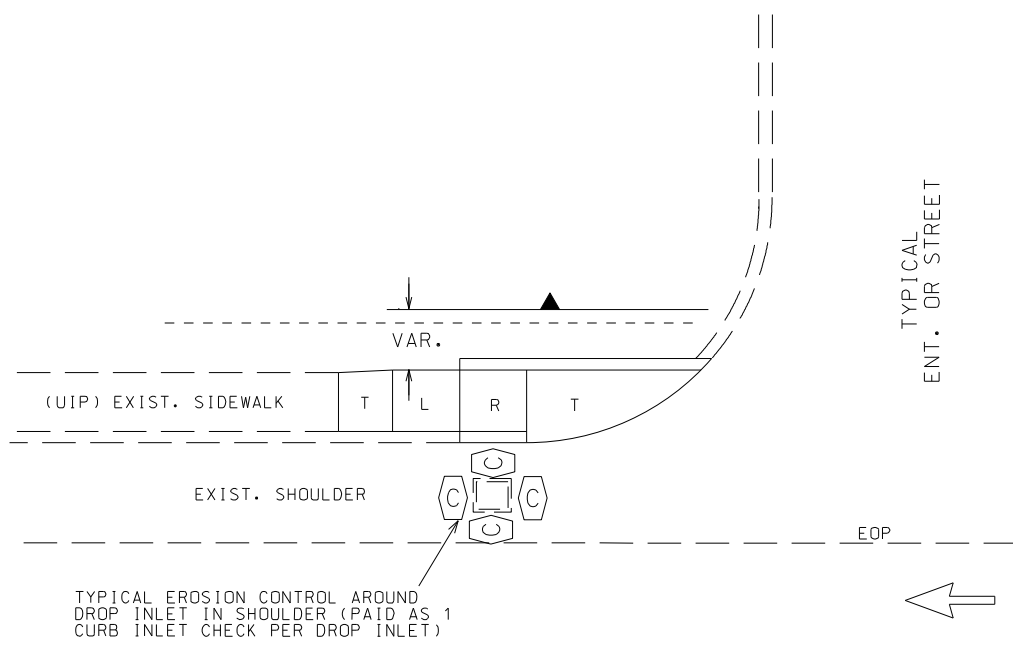
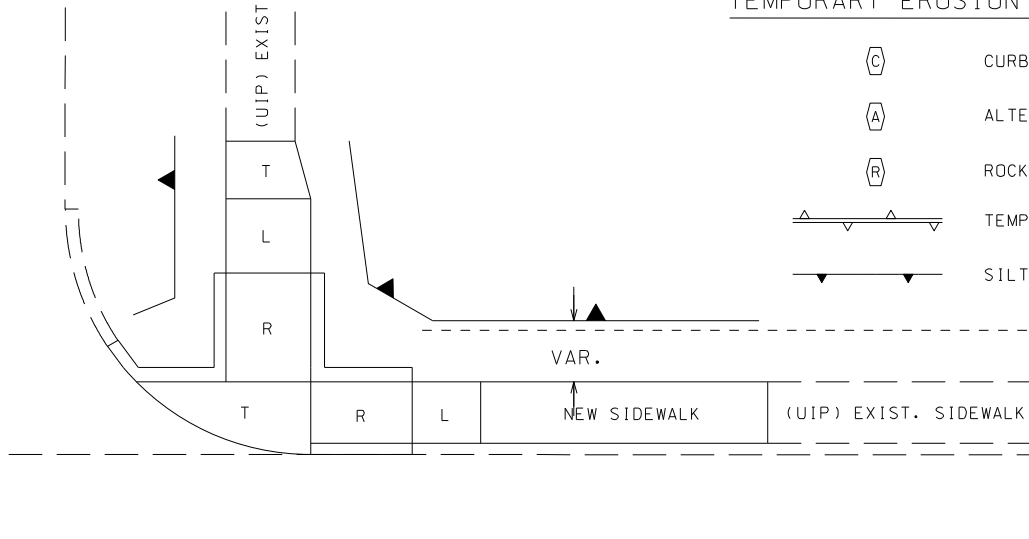
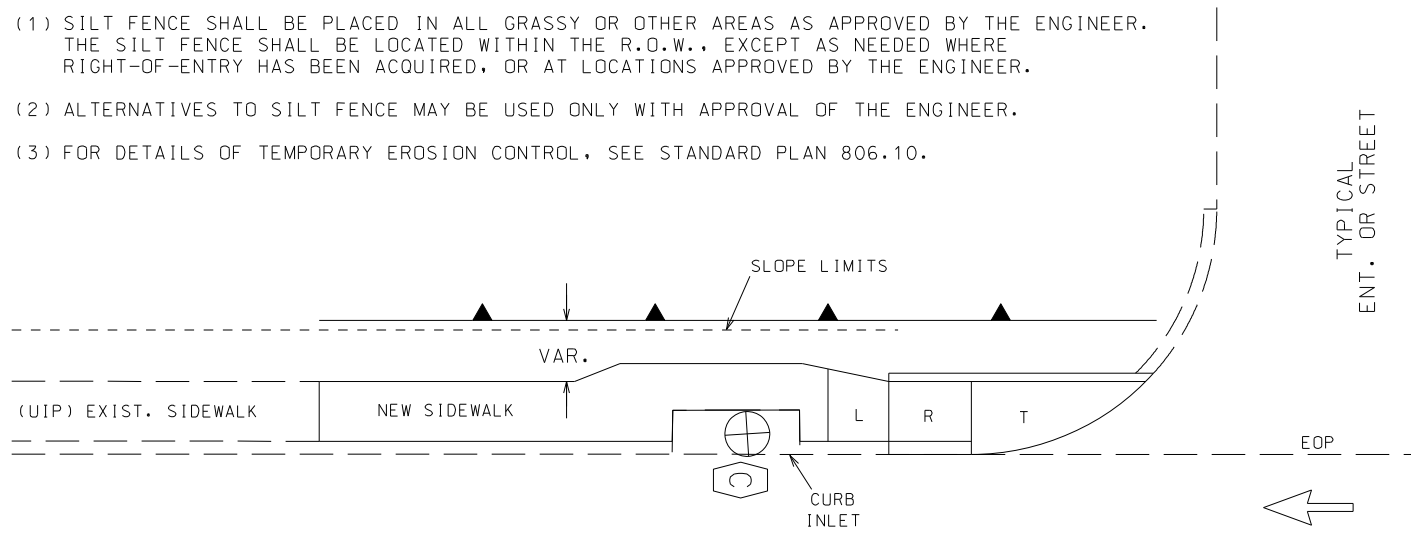
JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION



NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS FOR NEW CURB RAMP & SIDEWALK CONSTRUCTION

NOT TO SCALE

EROSION CONTROL SHEET 1 OF 3

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

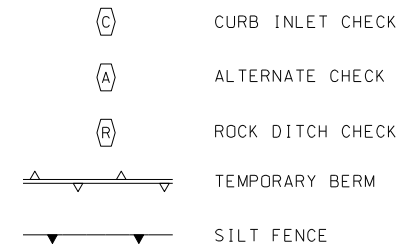
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

NOTES:

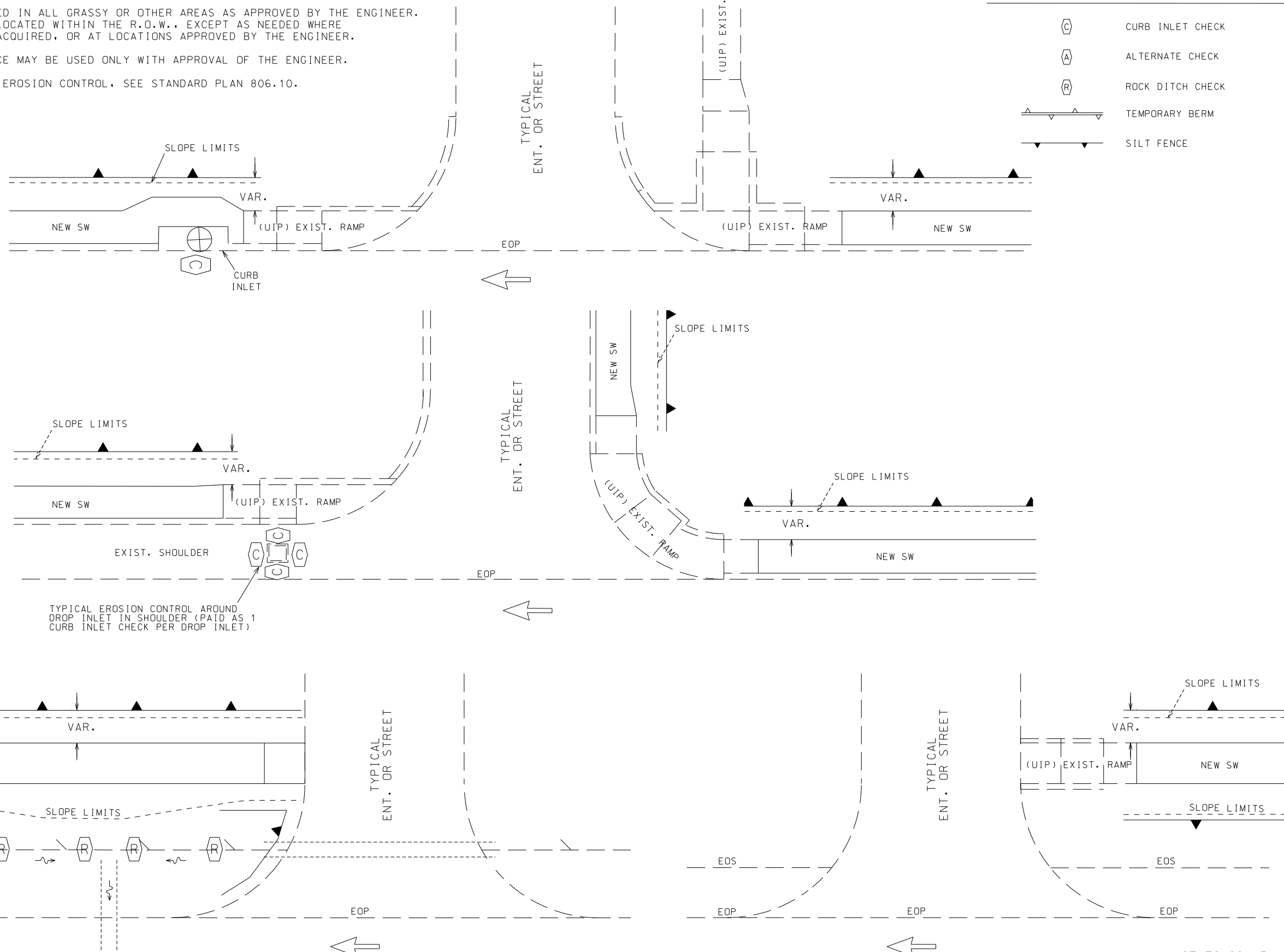
- (1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.
- (2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL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

TEMPORARY EROSION CONTROL LEGEND



Paul J. Kronlage
 05/27/2025 10:10:05 AM
 Paul J. Kronlage - Civil
 MO PE - 023328

DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 39
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



TYPICAL EROSION CONTROL AROUND DROP INLET IN SHOULDER (PAID AS 1 CURB INLET CHECK PER DROP INLET)

DITCH CHECK SPACING PER STD. PLAN 806.10

NOT TO SCALE

NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS FOR NEW SIDEWALK CONSTRUCTION

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250
 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



DATE PREPARED	
5/27/2025	
ROUTE	STATE
LP44	MO
DISTRICT	SHEET NO.
SW	40
COUNTY	
GREENE	
JOB NO.	
J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

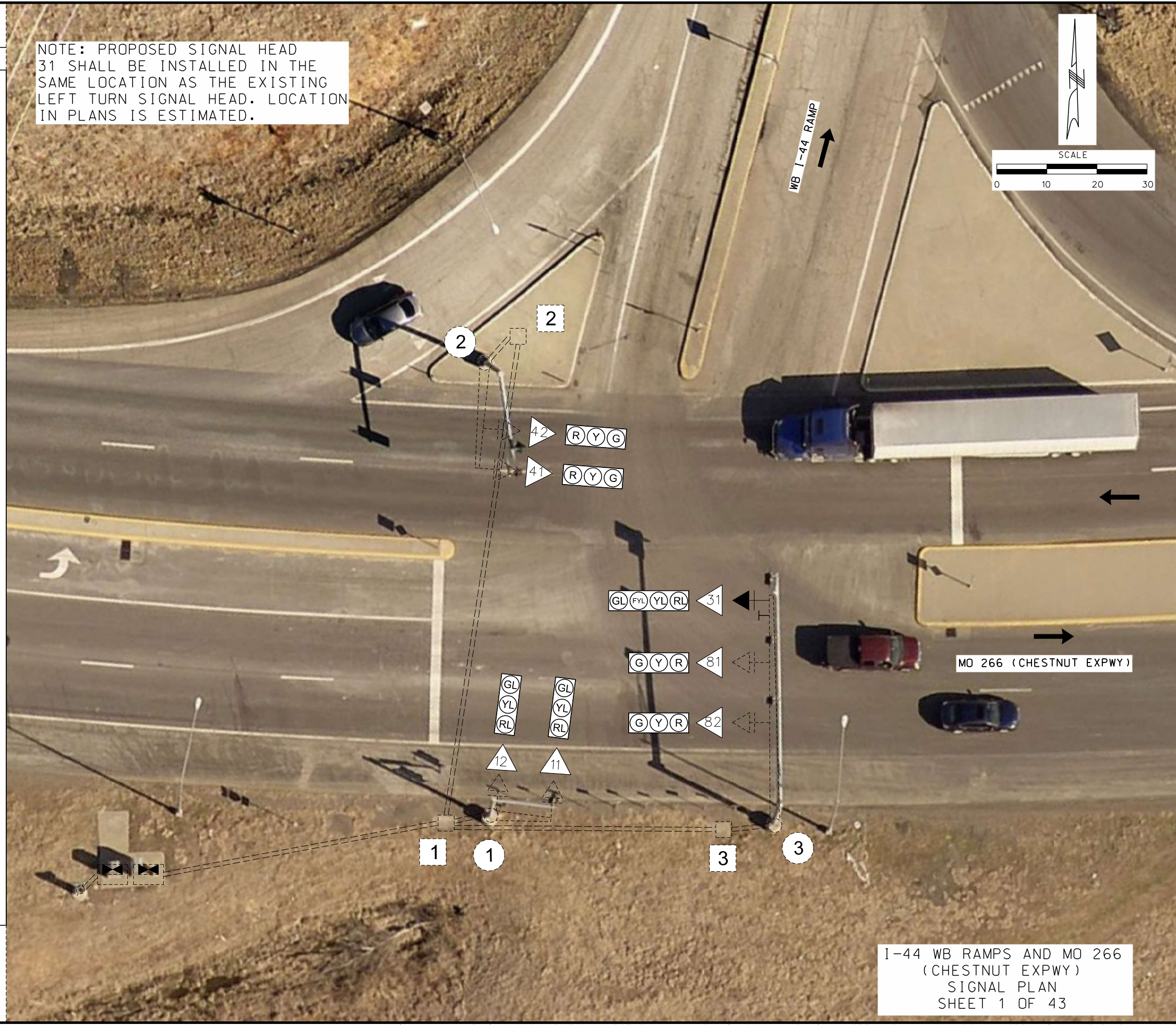
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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

NOTE: PROPOSED SIGNAL HEAD 31 SHALL BE INSTALLED IN THE SAME LOCATION AS THE EXISTING LEFT TURN SIGNAL HEAD. LOCATION IN PLANS IS ESTIMATED.



TRAFFIC SIGNALS LEGEND

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

I-44 WB RAMPS AND MO 266
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 1 OF 43



CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																				
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE				TIME CLOCK	NEMA CABINET TYPE		2070 CABINET TYPE		2070 SOFTWARE		
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E	EV	DOUBLE	332	336S	OMNI EX
MO 266 (CHESTNUT EXPWY)			UIP EXISTING																	

POWER SUPPLY													
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)		SERVICE POLE		
APPROACH	STATION	OFFSET	DRAWING	902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	POWER SUPPLY DISCONNECT (MAIN BREAKER)		120 VOLT CNTRL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
MO 266 (CHESTNUT EXPWY)			UIP EXISTING										

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
				ITEM NO.	ITEM NO.
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-27A	30X36	7.5	7.5	1
SUBTOTAL				7.5	1
TOTAL				7.5	1

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	INDUCTION LOOP (2)			RADAR*
			STANDARD	DELAY/EXTEND	CALL UNIT	
SUBTOTALS			0			
TOTALS			0			

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
 *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.
 (1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

2070 INPUT FILE ASSIGNMENTS														
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	UIP EXISTING													
"J"														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (UIP EXISTING)

2070 OUTPUT FILE ASSIGNMENTS							
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	MONITOR
	RL			RL	R		
FR2	YL			YL	Y	PH 3 L	
	GL			FYL	G		
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
					R		
FR4					Y		
					G		

* NOTE: LEFT TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

DATE PREPARED		6/11/2025	
ROUTE	STATE	DISTRICT	SHEET NO.
LP44	MO	SW	43
COUNTY			
GREENE			
JOB NO.			
J8P3144			
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)

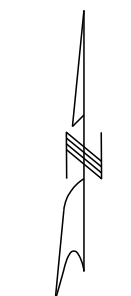
GARVER, LLC.
 7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY NO. 2008013090

I-44 WB RAMPS AND MO 266 (CHESTNUT EXPWY) SIGNAL PLAN SHEET 4 OF 43

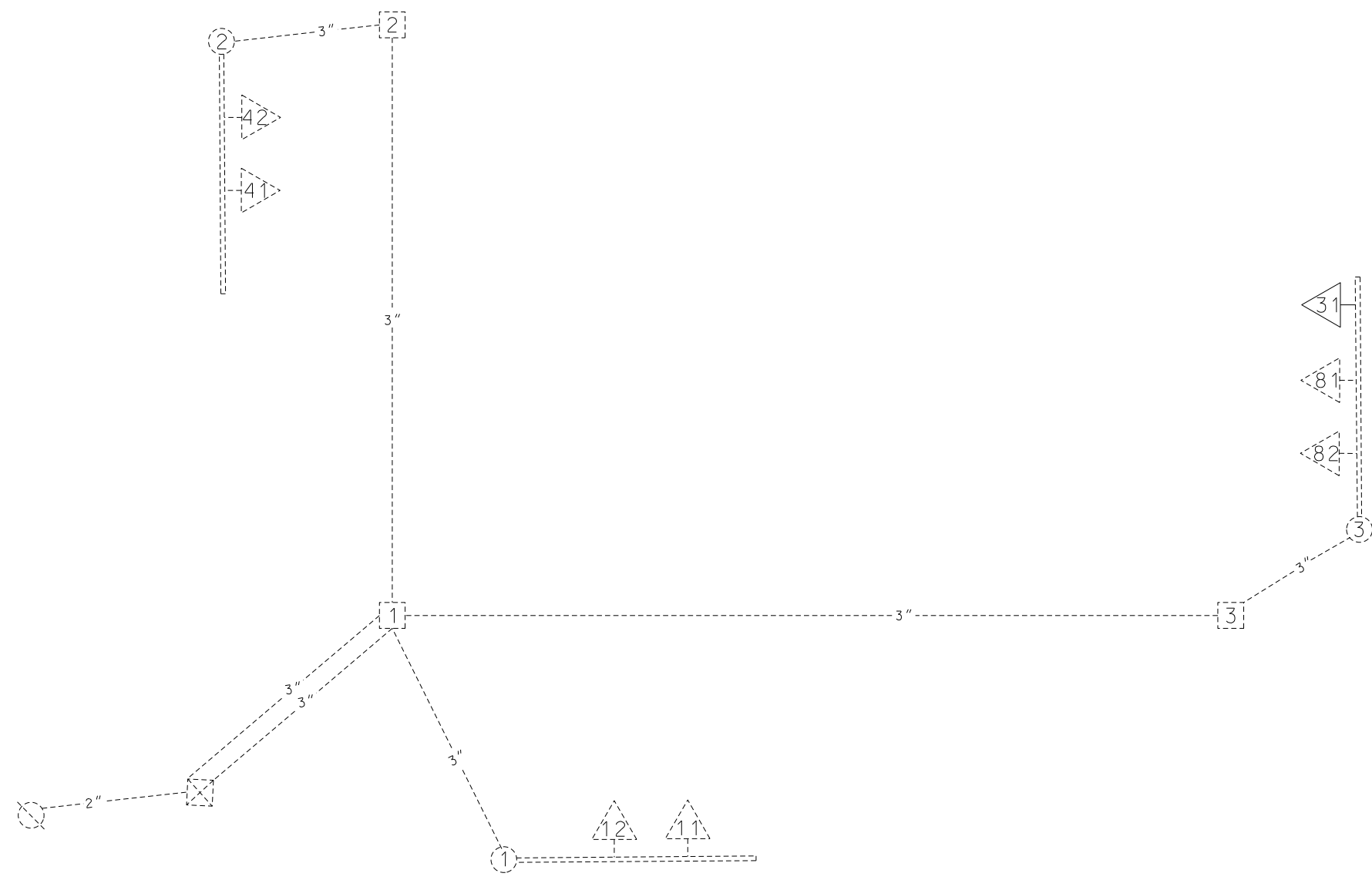
D-37C

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

WIRING DIAGRAM



NOT TO SCALE



NOTE: PLAN SHOWS ONLY PROPOSED CABLE, UNLESS SHOWN. NEW SIGNAL HEADS WILL USE THEIR EXISTING CABLE.

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTOR



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 44
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

I-44 WB RAMPS AND MO 266
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 5 OF 43

D-37D



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



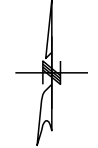
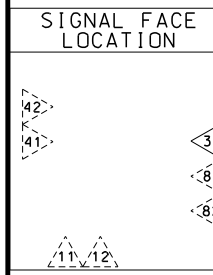
DATE PREPARED 5/27/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 45
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.

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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

Main traffic phasing table with columns for PHASE 1, PHASE 3, PHASE 4, PHASE 8, and OVERLAP 3. Rows include FACE NUMBERS (11, 12, 31, 41, 81, 82), SIGNAL INDICATIONS (R, Y, G, RL, YL, GL, FYA), and DETECTOR ASSIGNMENTS.

RING STRUCTURE table with columns for PHASE 1 through PHASE 8 and rows for RING 1 and RING 2. Includes a BARRIER label between RING 1 and RING 2.

RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND section listing symbols for vehicle and pedestrian movements, and signal indications such as FDW, DW, R/W, YRT, -YL, L, S, G, Y, R, RL, O, AO, FR, FY, FYL.

TRAFFIC SIGNAL CONTROL OPERATION

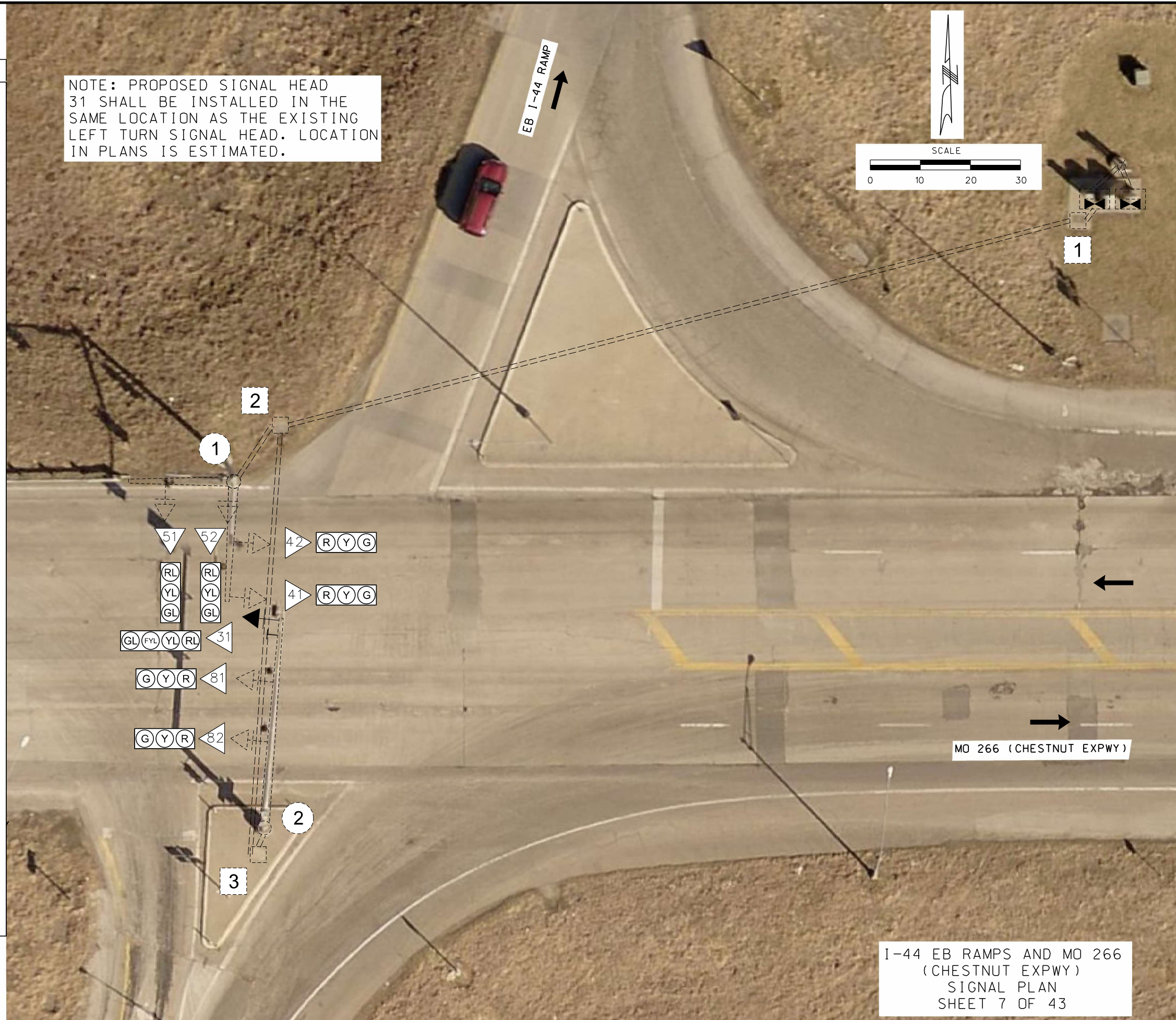
1-44 WB RAMP AND MO 266 (CHESTNUT EXPWY) SIGNAL PLAN SHEET 6 OF 43

FLASHING OPERATION table with ALL APPROACHES and CONTROLLER TYPE 2070.

TRAFFIC SIGNALS LEGEND

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

NOTE: PROPOSED SIGNAL HEAD 31 SHALL BE INSTALLED IN THE SAME LOCATION AS THE EXISTING LEFT TURN SIGNAL HEAD. LOCATION IN PLANS IS ESTIMATED.



I-44 EB RAMPS AND MO 266 (CHESTNUT EXPWY) SIGNAL PLAN SHEET 7 OF 43



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 46
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

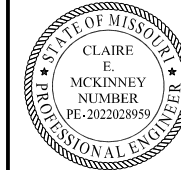
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090





CONDUIT (WITH #14 TRACER WIRE)														CABLE														REMARKS										
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH					PUSHED			MEDIAN			ON STRUCTURE			FROM	TO	CENTER TO CENTER DISTANCE	POWER					RADAR DETECTION				LUMINAIRE		DETECTOR		FIBER					
			1"	1.25"	2"	3"	3.5"	2"	2.5"	3"	2"	3"	4"	2"	3"	1"				1c#8	2c#16	5c#16	7c#16	3c#16	SENSOR 6c	CONTROL	POLE & BRACKET		1c#14 IN DUCT	2c#14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE						
1	2	E				E									1	3					E																	UIP EXISTING
1	1	E				E																																
1	2	E								E																												
2	1	E									E																											
2	3	E										E																										
3	2	E				E																																
SUBTOTALS																																						
TOTALS																																						

DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO

DISTRICT SW SHEET NO. 48

COUNTY GREENE

JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

I-44 EB RAMPS AND MO 266
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 9 OF 43

D-37B

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



CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																				
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE				TIME CLOCK	NEMA CABINET			2070 CABINET		2070 SOFTWARE	
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E	EV	DOUBLE	332	336S	OMNI EX
MO 266 (CHESTNUT EXPWY)			UIP EXISTING																	

POWER SUPPLY														
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)			SERVICE POLE		
APPROACH	STATION	OFFSET	DRAWING	902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER	SIGNALS	LIGHTING	120 VOLT CNTRL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
MO 266 (CHESTNUT EXPWY)			UIP EXISTING											

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
				ITEM NO.	ITEM NO.
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-27A	30X36	7.5	7.5	1
SUBTOTAL				7.5	1
TOTAL				7.5	1

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR*
			STANDARD	DELAY/EXTEND	CALL UNIT	
SUBTOTALS			0			
TOTALS			0			

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
 *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.
 (1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

2070 INPUT FILE ASSIGNMENTS														
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	UIP EXISTING													
"J"														

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (UIP EXISTING)

2070 OUTPUT FILE ASSIGNMENTS							
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	MONITOR
FR2				YL	Y	PH 3 L	
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
FR4	YL				Y		
	GL				G		

* NOTE: LEFT TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

DATE PREPARED		6/11/2025	
ROUTE	STATE	DISTRICT	SHEET NO.
LP44	MO	SW	49
COUNTY			
GREENE			
JOB NO.			
J8P3144			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DESCRIPTION	DATE

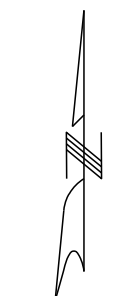
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

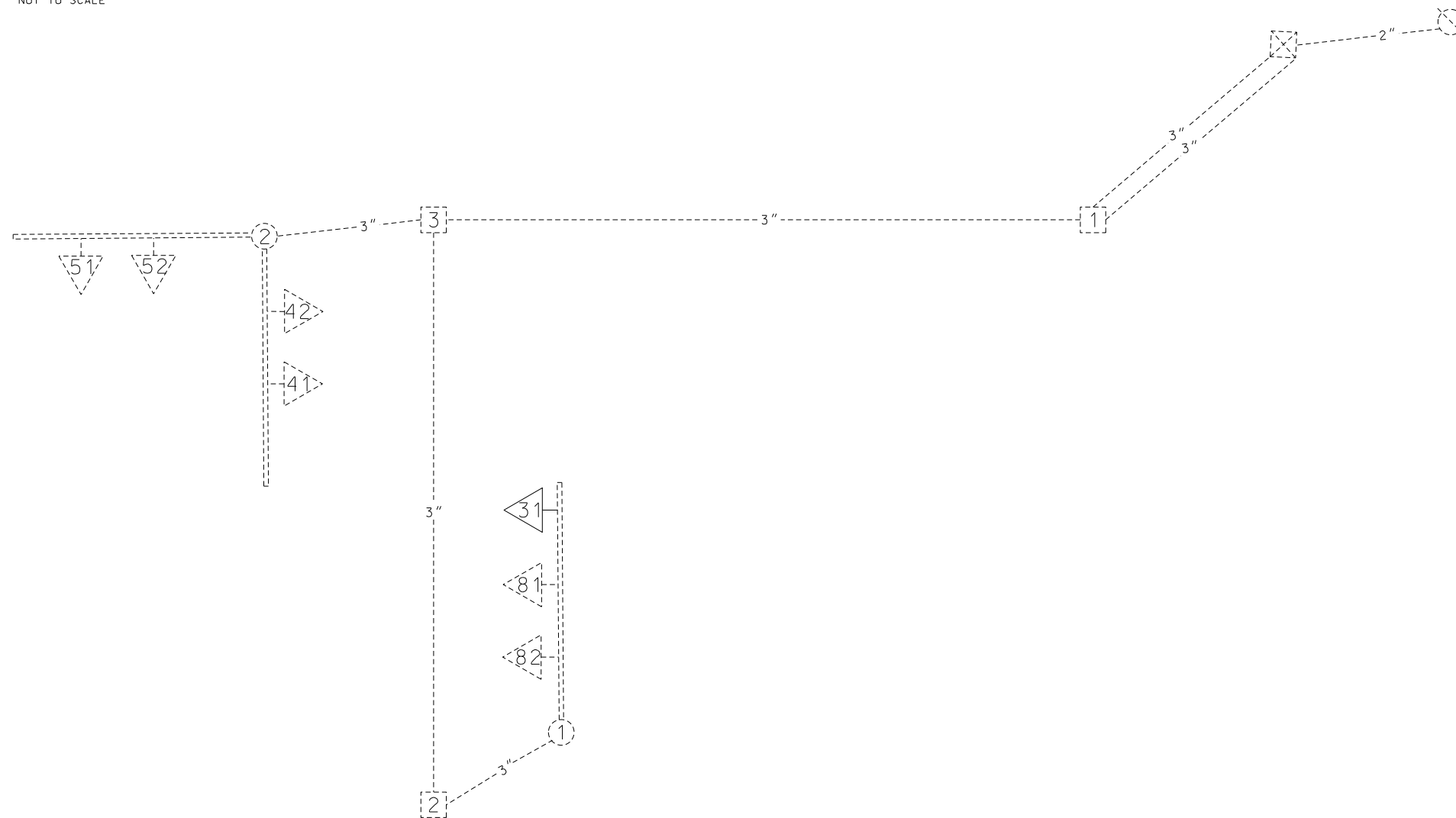
GARVER, LLC.
 7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY NO. 2008013090

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

WIRING DIAGRAM



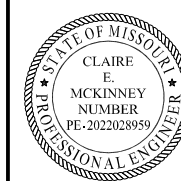
NOT TO SCALE



NOTE: PLAN SHOWS ONLY PROPOSED CABLE. UNLESS SHOWN, NEW SIGNAL HEADS WILL USE THEIR EXISTING CABLE.

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L I C #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTOR



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 50

COUNTY
GREENE

JOB NO.
J8P3144

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)

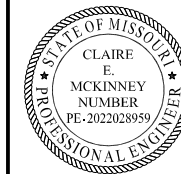
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



I-44 EB RAMP AND MO 266
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 11 OF 43

D-37D

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



DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO
DISTRICT SHEET NO.
SW 51

COUNTY
GREENE

JOB NO.
J8P3144

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)

GARVER, LLC.

7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY NO. 2008013090

D-38A

SIGNAL FACE LOCATION

51 52

42

41

31

61

82

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 3	PHASE 4	PHASE 5	PHASE 8	OVERLAP 3
FACE NUMBERS	31	41	51	81	31
SIGNAL INDICATIONS	R	RL	R	RL	R
	Y	YL	Y	YL	Y
	FYA				FYL
DETECTOR ASSIGNMENTS	G	GL	G	GL	G
DETECTOR ASSIGNMENTS (PES. ONLY)					
OVERLAP PARENT PHASES					4

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1			↑	←
RING 2	↑			→
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

RING STRUCTURE

BARRIER

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRT — YELLOW RIGHT ARROW
- RT — GREEN RIGHT ARROW
- YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION

1-44 EB RAMPS AND MO 266
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 12 OF 43

FLASHING OPERATION	
ALL APPROACHES	FR
CONTROLLER TYPE	2070

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



DATE PREPARED 6/11/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 52
COUNTY GREENE	
JOB NO. J8P3144	
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)

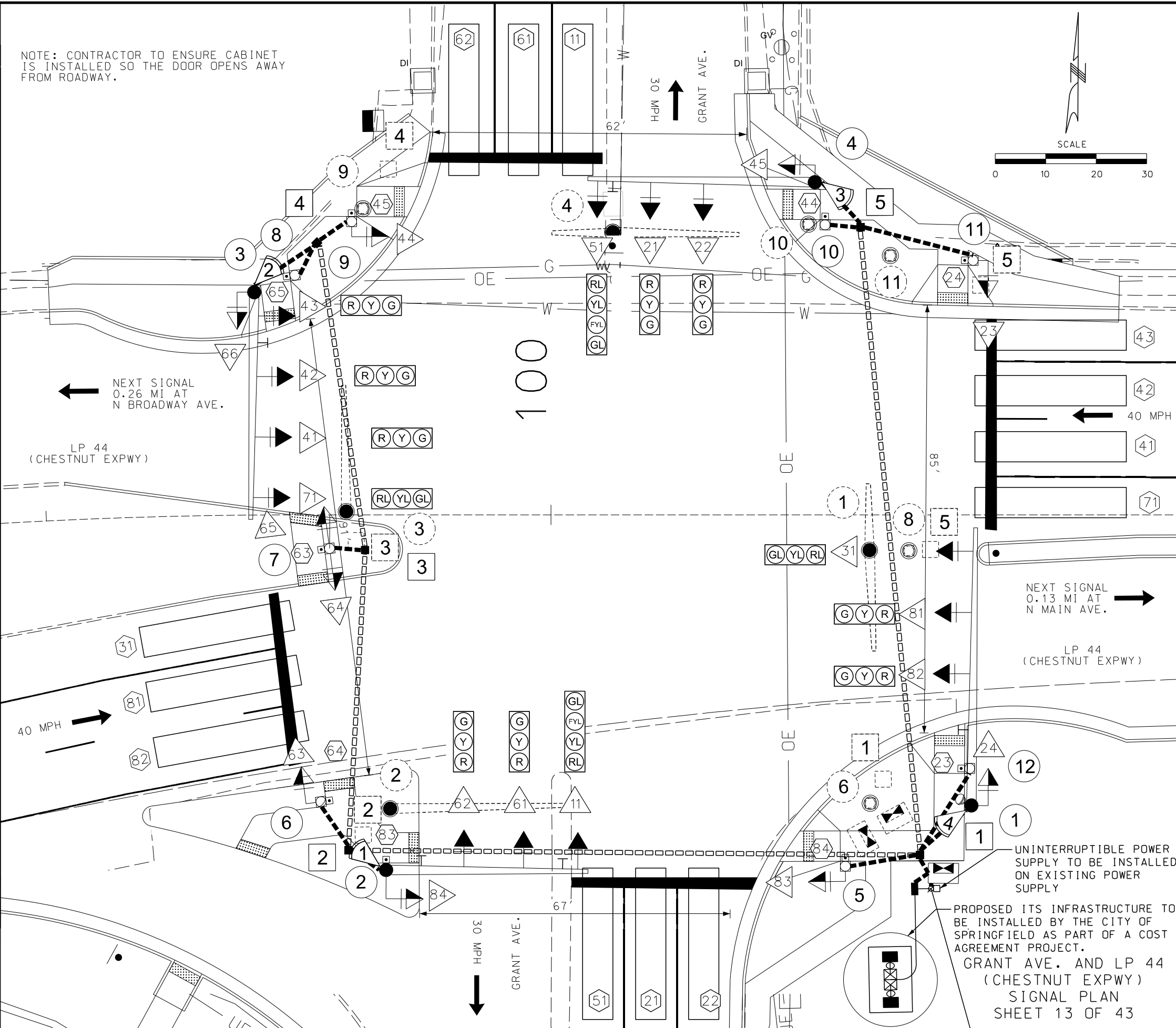
GARVER, L.L.C.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC SIGNALS LEGEND

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

NOTE: CONTRACTOR TO ENSURE CABINET IS INSTALLED SO THE DOOR OPENS AWAY FROM ROADWAY.



NEXT SIGNAL
0.26 MI AT
N BROADWAY AVE.

LP 44
(CHESTNUT EXPWY)

NEXT SIGNAL
0.13 MI AT
N MAIN AVE.

LP 44
(CHESTNUT EXPWY)

UNINTERRUPTIBLE POWER SUPPLY TO BE INSTALLED ON EXISTING POWER SUPPLY

PROPOSED ITS INFRASTRUCTURE TO BE INSTALLED BY THE CITY OF SPRINGFIELD AS PART OF A COST AGREEMENT PROJECT.
GRANT AVE. AND LP 44 (CHESTNUT EXPWY) SIGNAL PLAN SHEET 13 OF 43



Main table with columns: POST NUMBER, PULL BOX NUMBER, LOCATION (APPROACH, STATION, OFFSET), BASE (A, F, C, CONCRETE), PULL BOX (PREFORMED CONCRETE, DRAIN TYPE, TOP MOUNT POST), POST (TYPE C & CL, TYPE B & BL), and LUMINAIRE BRACKET ARM*

SIGNAL HEADS table with columns: SPAN NUMBER, POST NUMBER, FACE NUMBER, LUMINAIRE SODIUM, INDICATIONS * (12" LENS CONVENTIONAL, 12" LENS OPTICAL LIMITING), VISORS *, LOUVERS *, BACKPLATE *, RETROREFLECTIVE BACKPLATE *, BRACKET *, ONE-FACE SECTION, TWO-FACE SECTIONS

SUBTOTAL TOTAL

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.

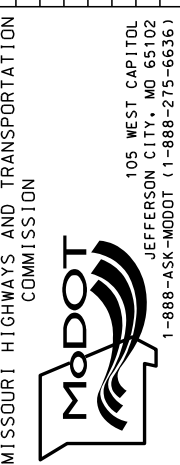
Summary table for signal heads: SUBTOTAL OPTICALLY LIMITED, SUBTOTAL CONVENTIONAL, SUBTOTAL COMBINATION OL & CONV., TOTAL OPTICALLY LIMITED, TOTAL CONVENTIONAL, TOTAL COMBINATION OL AND CONV.

LEGEND: T - TOP MOUNT, S - SIDE MOUNT, C - SPANWIRE MOUNT, B - MAST ARM MOUNT

GRANT AVE AND LP 44 (CHESTNUT EXPWY) SIGNAL PLAN SHEET 14 OF 43

DATE PREPARED 5/27/2025, ROUTE LP44, STATE MO, DISTRICT SW, SHEET NO. 53, COUNTY GREENE, JOB NO. J8P3144, CONTRACT ID., PROJECT NO., BRIDGE NO.

DESCRIPTION table with columns: DATE, DESCRIPTION



GARVER, LLC, 7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200, KANSAS CITY, MO 64153, PHONE: (816) 298-6465, CERTIFICATE OF AUTHORITY NO. 2008013090



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



CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																					
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH TYPE		COORDINATION AND INTERFACE					TIME CLOCK	NEMA CABINET TYPE			2070 CABINET TYPE		2070 SOFTWARE	
									12C/7C HARDWARE (1)		FIBER	E	EV		DOUBLE	332	336S	OMNI EX	WAPITI		
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	MASTER	LOCAL				TIME BASE						NEMA	2070
MD 266 (CHESTNUT EXPWY)	100+69.99	77.78' RT.				1															

DATE PREPARED		6/11/2025	
ROUTE	STATE	LP44 MO	
DISTRICT	SHEET NO.	SW 55	
COUNTY	GREENE		
JOB NO.	J8P3144		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

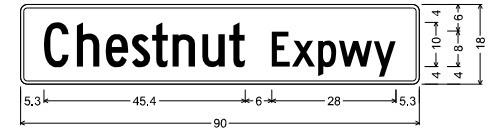
POWER SUPPLY														
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)		SERVICE POLE			
					CONTROLLER		POWER SUPPLY DISCONNECT		MAIN BREAKER		120 VOLT	MAIN	CONTRACT	UTILITY
APPROACH	STATION	OFFSET	DRAWING	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	CNTRL CABINET	BREAKER	FURNISH	COMPANY	POWER SUPPLY	
MD 266 (CHESTNUT EXPWY)			902.15											1
UIP EXISTING														

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL	SIGNAL SIGN
				AREA	MOUNTING
				ITEM NO.	HARDWARE
				90208.33	90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
2	R10-27A	30 X 36	7.5	15.0	2
2	D3-1	90 X 18	11.25	22.5	2
2	D3-1	60 X 18	7.50	15.0	2
* 3	R10-3eL	9 X 15	1	4.0	3
* 5	R10-3eR	9 X 15	1	6.0	5
* 1	R10-3e (MOD.)	9 X 15	1	6.0	1
SUBTOTAL				52.5	6
TOTAL				52.5	6

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR*
			STANDARD	DELAY/EXTEND	CALL UNIT	
23	NB @ WB CHESTNUT ST.	1				
24	SB @ WB CHESTNUT ST.	1				
44	WB @ NB GRANT AVE.	1				
45	EB @ NB GRANT AVE.	1				
63	NB/SB @ EB CHESTNUT ST.	1				
64	NB @ EB CHESTNUT ST.	1				
65	SB @ EB CHESTNUT ST.	1				
83	EB @ SB GRANT AVE.	1				
84	WB @ SB GRANT AVE.	1				
1	EB					1
2	SB					1
3	WB					1
4	NB					1
SUBTOTALS		9				
TOTALS		9				

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
 *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.
 (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

CONTRACTOR FURNISHED. CONTRACTOR INSTALLED RADAR DETECTION SYSTEM
 1 EACH



D3-1 SH-FLAT SHEET:
 1.5" Radius, 0.8" Border, White on Green;
 "Chestnut", C 2K; "Expwy", C 2K;
 Table of letter and object lefts

C	h	e	s	t	n	u	t
5.3	12.7	19.2	25.1	29.7	34.3	41.0	47.1
E	x	p	w	y			
56.7	61.3	67.2	71.9	79.7			



D3-1 SH-FLAT SHEET:
 1.5" Radius, 0.8" Border, White on Green;
 "Grant", C 2K; "Ave", C 2K;
 Table of letter and object lefts

G	r	a	n	t	A	v	e
5.8	13.2	17.1	23.6	29.6	39.2	44.7	50.1

2070 INPUT FILE ASSIGNMENTS														
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	01	02		03	04					UPS	23	63	65
	L											24	64	
	U	05	06		07	08						44	83	
	L											45	84	

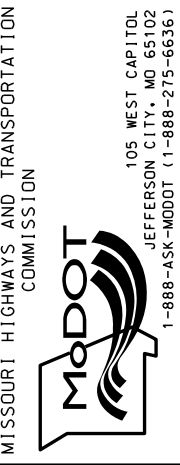
TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (4)

2070 OUTPUT FILE ASSIGNMENTS							MONITOR
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	
	RL	R	DW	RL	R	DW	
FR2	YL	Y	PH 1 L	YL	Y		
	FYL	G	W	GL	G	W	
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
	RL	R	DW	RL	R	DW	
FR4	YL	Y	PH 5 L	YL	Y		
	FYL	G	W	GL	G	W	

* NOTE: LEFT TURN "L" SHALL BE WIRED INTO PEDESTRIAN AMBER IN LOAD SWITCH

GRANT AVE AND LP 44
 (CHESTNUT EXPWY)
 SIGNAL PLAN
 SHEET 16 OF 43

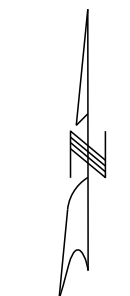
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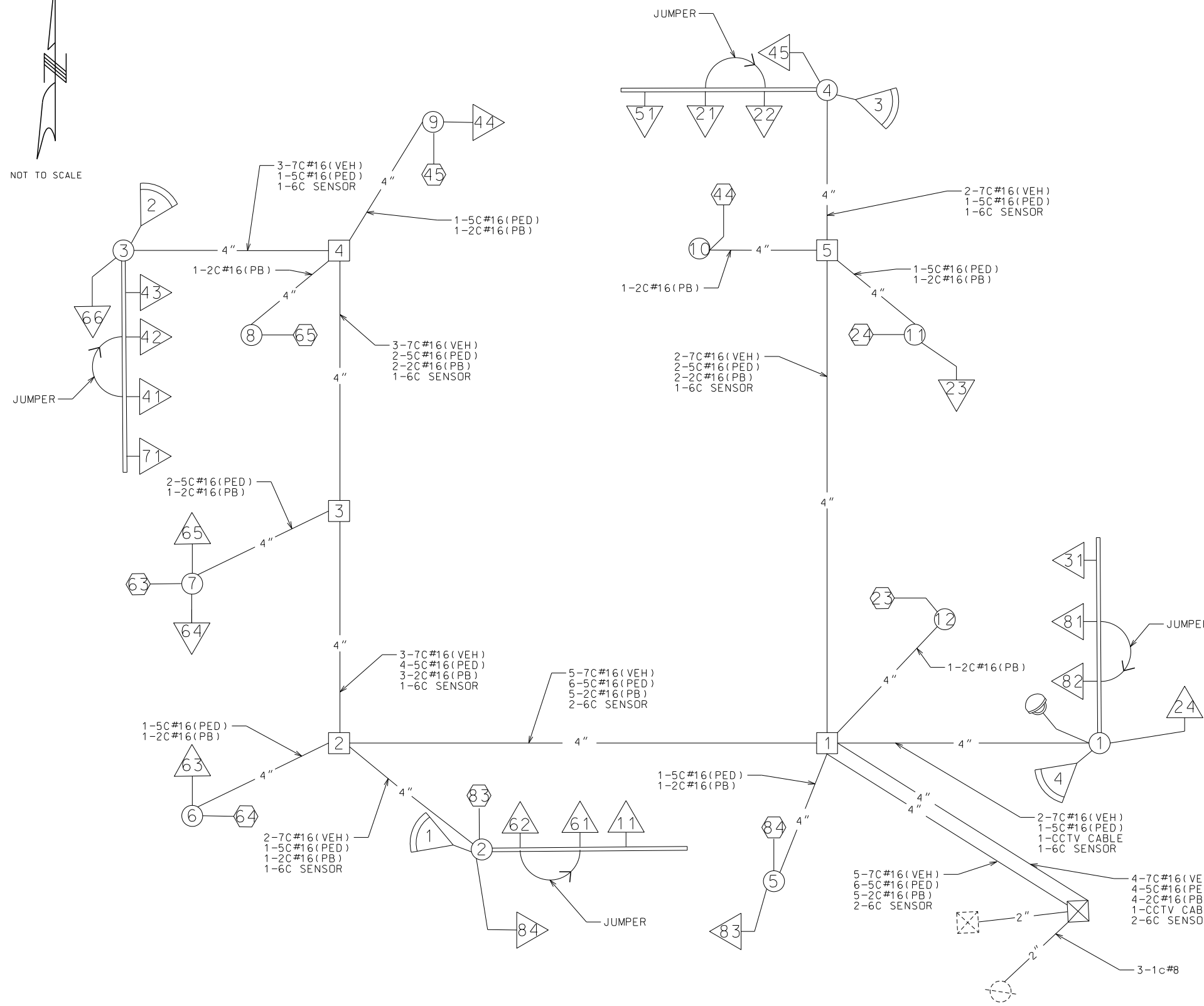
GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



WIRING DIAGRAM



NOT TO SCALE

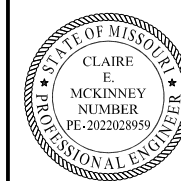


LEGEND

- 3" — CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L IC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- (X) PULL BOX WITH NUMBER
- (X) POST WITH NUMBER
- (X) POST WITH MAST ARM
- (X) POST WITH MAST ARM AND LUMINAIRE
- (X) DETECTOR WITH NUMBER
- (X) SIGNAL HEAD WITH NUMBER
- (X) SIGNAL CONTROLLER
- (X) POWER SUPPLY
- (X) LIGHTING CONTROLLER
- (X) RADAR DETECTOR
- (X) CCTV CAMERA

GRANT AVE AND LP 44
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 17 OF 43

D-37D



DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO

DISTRICT SW SHEET NO. 56

COUNTY GREENE

JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

GARVER, L.L.C.

7410 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

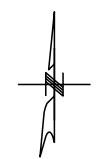
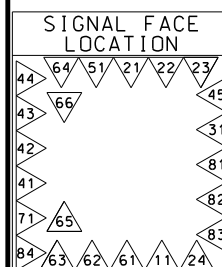
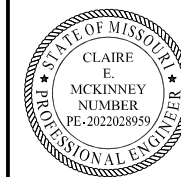
KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY

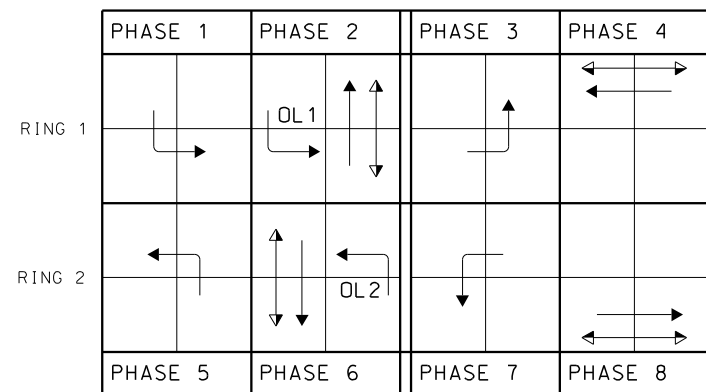
NO. 2008013090

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



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED #8 OVERLAP	PED #6 OVERLAP	PED #4 OVERLAP	PED #2 OVERLAP	OVERLAP 1	OVERLAP 2	OVERLAP	OVERLAP		
FACE NUMBERS		11	21	31	41 43	51	61	71	81	83	63 65	44	23	11	51				
SIGNAL INDICATIONS		R RL Y YL G	R Y G	RL YL GL	R R Y Y G G	RL YL GL	R Y G	RL YL GL	R Y G	DW FDW W	DW DW FDW FDW W W	DW FDW W	DW FDW W	FYL	FYL				
DETECTOR ASSIGNMENTS																			
										DETECTOR ASSIGNMENTS (PES. ONLY)									
										OVERLAP PARENT PHASES								2	6



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND	
→	ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
→	NON-ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
→	ACTUATED PEDESTRIAN MOVEMENT
→	NON-ACTUATED PEDESTRIAN MOVEMENT
—	VEHICLE STOPPED
FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRT	YELLOW RIGHT ARROW
RT	GREEN RIGHT ARROW
-YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION

GRANT AVE AND LP 44
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 18 OF 43

FLASHING OPERATION	
ALL APPROACHES	FR
CONTROLLER TYPE	2070

DATE PREPARED		5/27/2025	
ROUTE	STATE	DISTRICT	SHEET NO.
LP44	MO	SW	57
COUNTY			
GREENE			
JOB NO.			
J8P3144			
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO

DISTRICT SW SHEET NO. 58

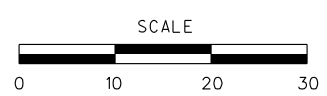
COUNTY GREENE

JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

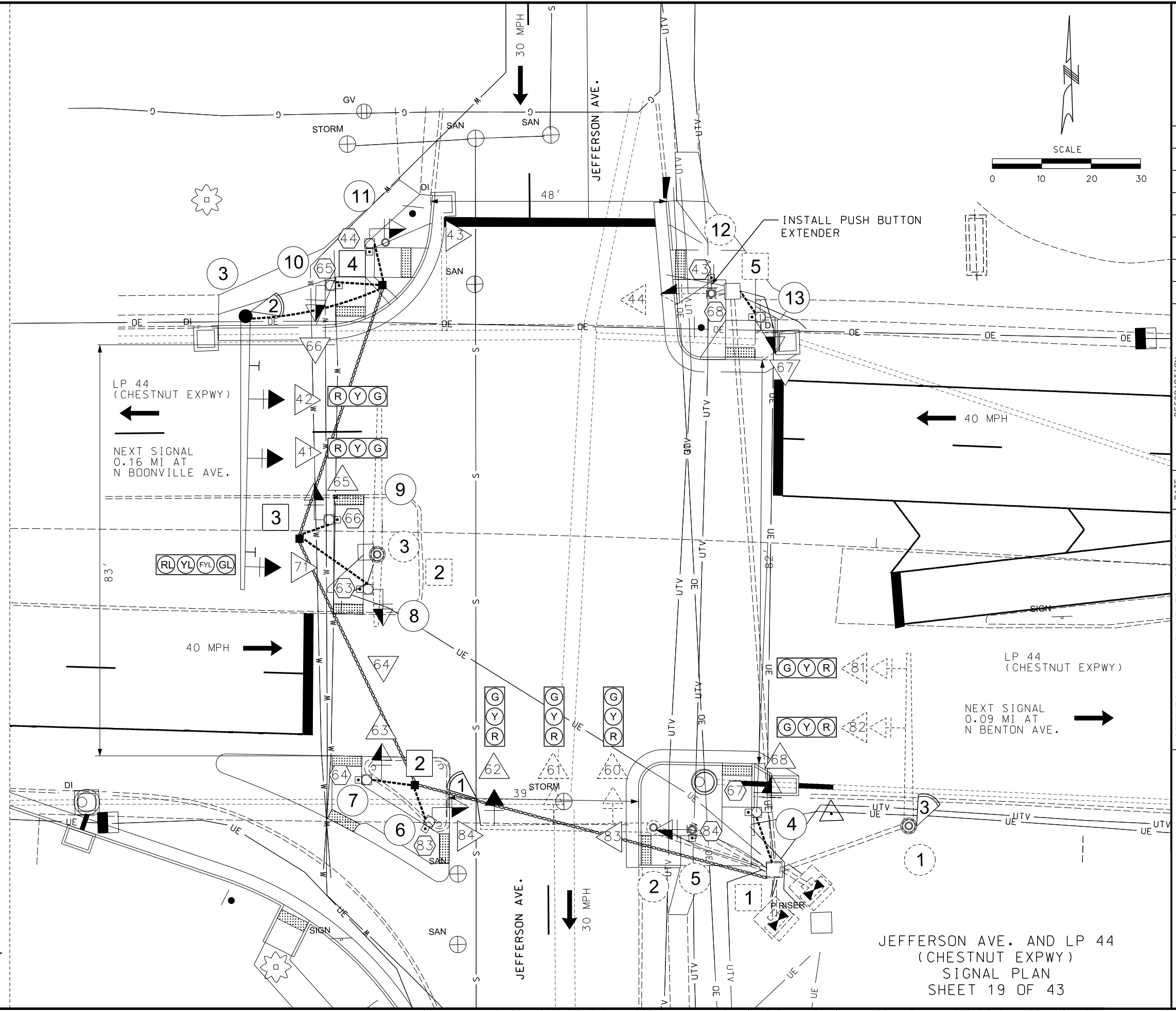
BRIDGE NO.



TRAFFIC SIGNALS LEGEND

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

NOTE:
RADAR DETECTION TO BE INSTALLED
AND PAID FOR AS PART OF JOB J8S3224.



DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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

JEFFERSON AVE. AND LP 44
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 19 OF 43





CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																					
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE				TIME CLOCK	NEMA CABINET			2070 CABINET		2070 SOFTWARE		
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E	EV	DOUBLE	332	336S	OMNI EX	WAPITI
LP 44 (CHESTNUT EXPWY)									MASTER	LOCAL											
UIP EXISTING																					

POWER SUPPLY													
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)			SERVICE POLE	
APPROACH	STATION	OFFSET	DRAWING	902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	POWER SUPPLY DISCONNECT MAIN BREAKER		120 VOLT CNTRL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
LP 44 (CHESTNUT EXPWY)													
UIP EXISTING													

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
				ITEM NO. 90208.33	ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-27A	30 X 36	7.5	7.5	1
1	D3-1	84 X 18	10.5	10.5	1
4	R10-3eL	9 X 15	1	4.0	4
6	R10-3eR	9 X 15	1	6.0	6
SUBTOTAL				18.0	2
TOTAL				18.0	2

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR*
			STANDARD	DELAY/EXTEND	CALL UNIT	
43	WB @ SB JEFFERSON AVE.	1				
44	EB @ SB JEFFERSON AVE.	1				
63	SB @ EB CHESTNUT EXPWY	1				
64	NB @ EB CHESTNUT EXPWY	1				
65	SB @ EB CHESTNUT EXPWY	1				
66	NB @ EB CHESTNUT EXPWY	1				
67	NB @ WB CHESTNUT EXPWY	1				
68	SB @ WB CHESTNUT EXPWY	1				
83	EB @ NB JEFFERSON AVE.	1				
84	WB @ NB JEFFERSON AVE.	1				
SUBTOTALS			10			
TOTALS			10			

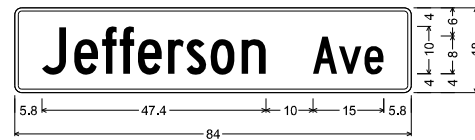
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

NOTE: RADAR DETECTION TO BE INSTALLED AND PAID FOR AS PART OF JOB J8S3224

(1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.



D3-1 SH-FLAT SHEET:
1.5" Radius, 0.8" Border, White on Green;
"Jefferson", C 2K; "Ave", C 2K;
Table of letter and object lefts

J	e	t	t	e	r	s	o	n
5.8	12.6	18.5	22.2	26.1	32.5	36.4	41.5	48.1
A	v	e						
63.2	68.7	74.1						

2070 INPUT FILE ASSIGNMENTS														
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U					⊘4							⊘3 ⊘4 ⊘5 ⊘6	
	L											⊘3 ⊘4		
"J"	U	⊘6			⊘7	⊘8								
	L													

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (UIP EXISTING)

2070 OUTPUT FILE ASSIGNMENTS						
FR1	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED
			DW		R	DW
FR2			W		G	W
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED
		R	DW	RL		DW
FR4		Y		YL		PH 7 L
		G	W	FYL		W

NOTE: UIP EXISTING VEHICULAR OUTPUT FILE ASSIGNMENTS

DATE PREPARED		6/11/2025	
ROUTE	STATE	ROUTE	STATE
LP44	MO	LP44	MO
DISTRICT	SHEET NO.	DISTRICT	SHEET NO.
SW	61	SW	61
COUNTY			
GREENE			
JOB NO.			
J8P3144			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

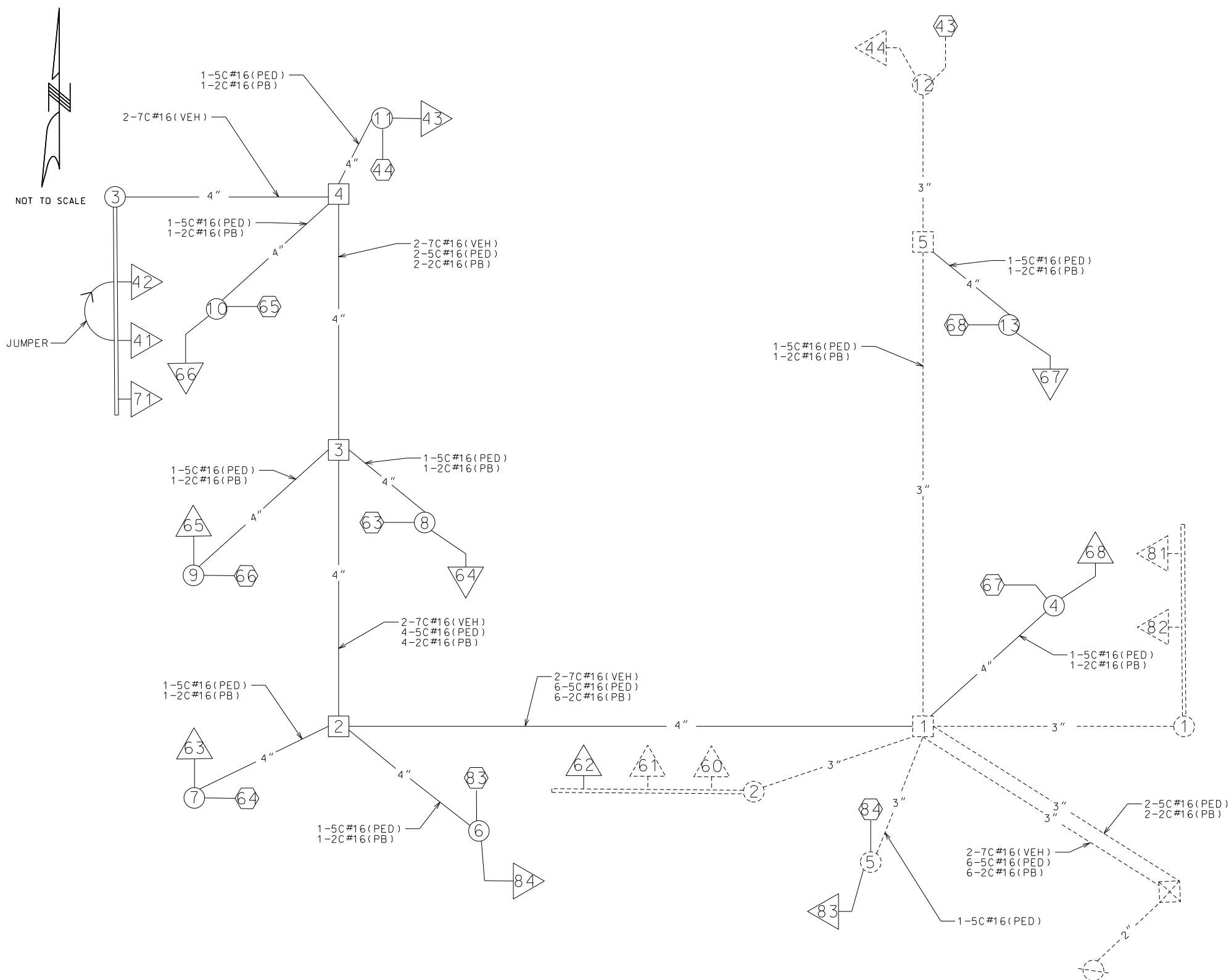
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

JEFFERSON AVE AND LP 44(CHESTNUT EXPWY) SIGNAL PLAN SHEET 22 OF 43

D-37C

WIRING DIAGRAM



NOTE: PLAN SHOWS ONLY PROPOSED CABLE. UNLESS SHOWN, PUSH BUTTONS WILL USE THEIR EXISTING CABLE

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-XC MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- L IC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- [X] PULL BOX WITH NUMBER
- (X) POST WITH NUMBER
- (X) POST WITH MAST ARM
- (X) POST WITH MAST ARM AND LUMINAIRE
- (X) DETECTOR WITH NUMBER
- [X] SIGNAL HEAD WITH NUMBER
- [X] SIGNAL CONTROLLER
- [X] POWER SUPPLY
- [X] LIGHTING CONTROLLER
- [X] RADAR DETECTOR



DATE PREPARED	5/27/2025		
ROUTE	LP44	STATE	MO
DISTRICT	SW	SHEET NO.	62
COUNTY	GREENE		
JOB NO.	J8P3144		
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DESCRIPTION	DATE

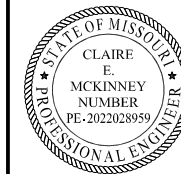
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

JEFFERSON AVE AND LP 44
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 23 OF 43

D-37D



DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 63

COUNTY GREENE
JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

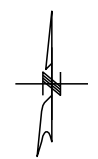
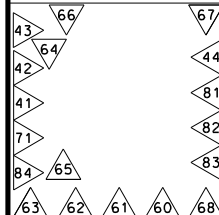
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090



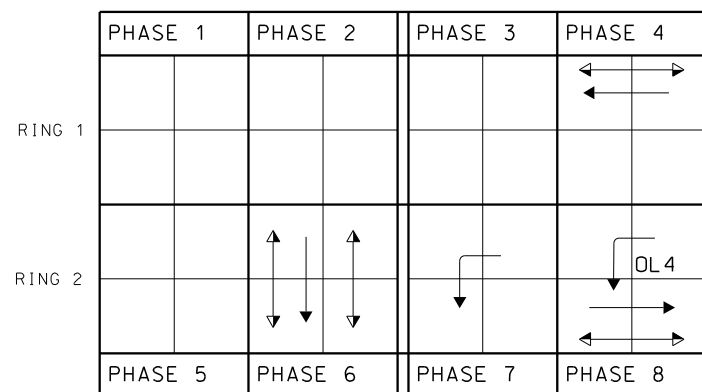
D-38A

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 4	PHASE 6	PHASE 7	PHASE 8	PED #8 OVERLAP	PED #6 OVERLAP	PED #4 OVERLAP	OVERLAP 4	
FACE NUMBERS	41 42	60 62	71	81 82	83 84	63 64	65 66 67 68	43 44	71
SIGNAL INDICATIONS	R Y FYA G	R Y G	RL YL GL	R Y G	DW FDW W	DW FDW W	DW FDW W	DW FDW W	FYL
DETECTOR ASSIGNMENTS									
DETECTOR ASSIGNMENTS (PEDS. ONLY)									
OVERLAP PARENT PHASES								8	



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

- ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- NON-ACTUATED VEHICULAR MOVEMENT
- PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ACTUATED PEDESTRIAN MOVEMENT
- NON-ACTUATED PEDESTRIAN MOVEMENT
- VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRT — YELLOW RIGHT ARROW
- RT — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION

JEFFERSON AVE AND LP 44
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 24 OF 43

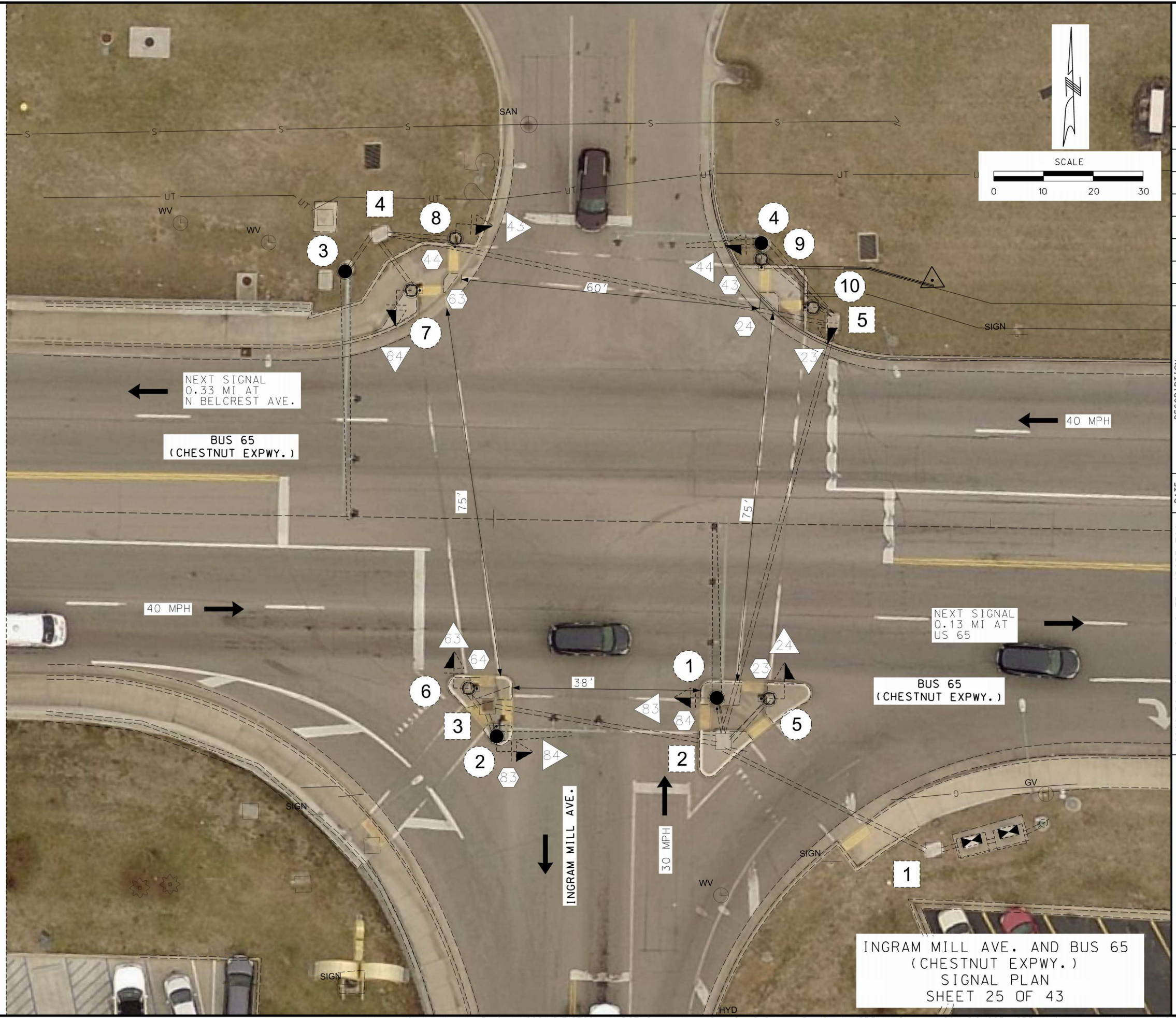
FLASHING OPERATION

ALL APPROACHES FR

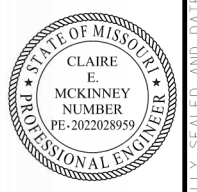
CONTROLLER TYPE 2070

TRAFFIC SIGNALS LEGEND

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



**INGRAM MILL AVE. AND BUS 65
(CHESTNUT EXPWY.)
SIGNAL PLAN
SHEET 25 OF 43**



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 64
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

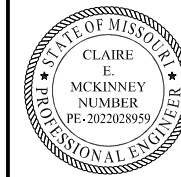
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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



CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																					
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE				TIME CLOCK	NEMA CABINET			2070 CABINET		2070 SOFTWARE		
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E	EV	DOUBLE	332	336S	OMNI EX	WAPITI
BUS 65 (CHESTNUT EXPWY)									MASTER	LOCAL											
UIP EXISTING																					

DATE PREPARED		6/11/2025	
ROUTE	STATE	DISTRICT	SHEET NO.
LP44	MO	SW	67
COUNTY			
GREENE			
JOB NO.			
J8P3144			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

POWER SUPPLY													
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)			SERVICE POLE	
APPROACH	STATION	OFFSET	DRAWING	DRAWING	CONTROLLER	POWER SUPPLY DISCONNECT	MAIN BREAKER		120 VOLT	MAIN	CONTRACT	UTILITY	
			902.15		AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	CNTRL CABINET	BREAKER	FURNISH	COMPANY	
CHESTNUT EXPWY UIP EXISTING													

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
		INCHES	SQ.FT.	SQ.FT.	EA.
* 5	R10-3eL	9 X 15	1	4.0	5
* 3	R10-3eR	9 X 15	1	4.0	3
				SUBTOTAL	
				TOTAL	

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR
			INDUCTION LOOP (2)	DELAY/EXTEND	CALL UNIT	
23	NB @ WB CHESTNUT EXPWY	1				
24	SB @ WB CHESTNUT EXPWY	1				
43	WB @ SB INGRAM MILL AVE.	1				
44	EB @ SB INGRAM MILL AVE.	1				
63	SB @ EB CHESTNUT EXPWY	1				
64	NB @ EB CHESTNUT EXPWY	1				
83	EB @ NB INGRAM MILL AVE.	1				
84	WB @ NB INGRAM MILL AVE.	1				
SUBTOTALS		8				
TOTALS		8				

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
 *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.
 (1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

VEHICLE DETECTION
UIP EXISTING

2070 INPUT FILE ASSIGNMENTS														
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	UIP EXISTING										23	63	
L												24	64	
U												43	83	
L												44	84	

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (UIP EXISTING)

2070 OUTPUT FILE ASSIGNMENTS							
	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	MONITOR
FR1			DW			DW	
FR2			W			W	
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
FR4			DW			DW	
			W			W	

NOTE: UIP EXISTING VEHICULAR OUTPUT FILE ASSIGNMENTS

DESCRIPTION	DATE

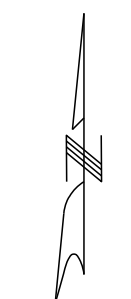


GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

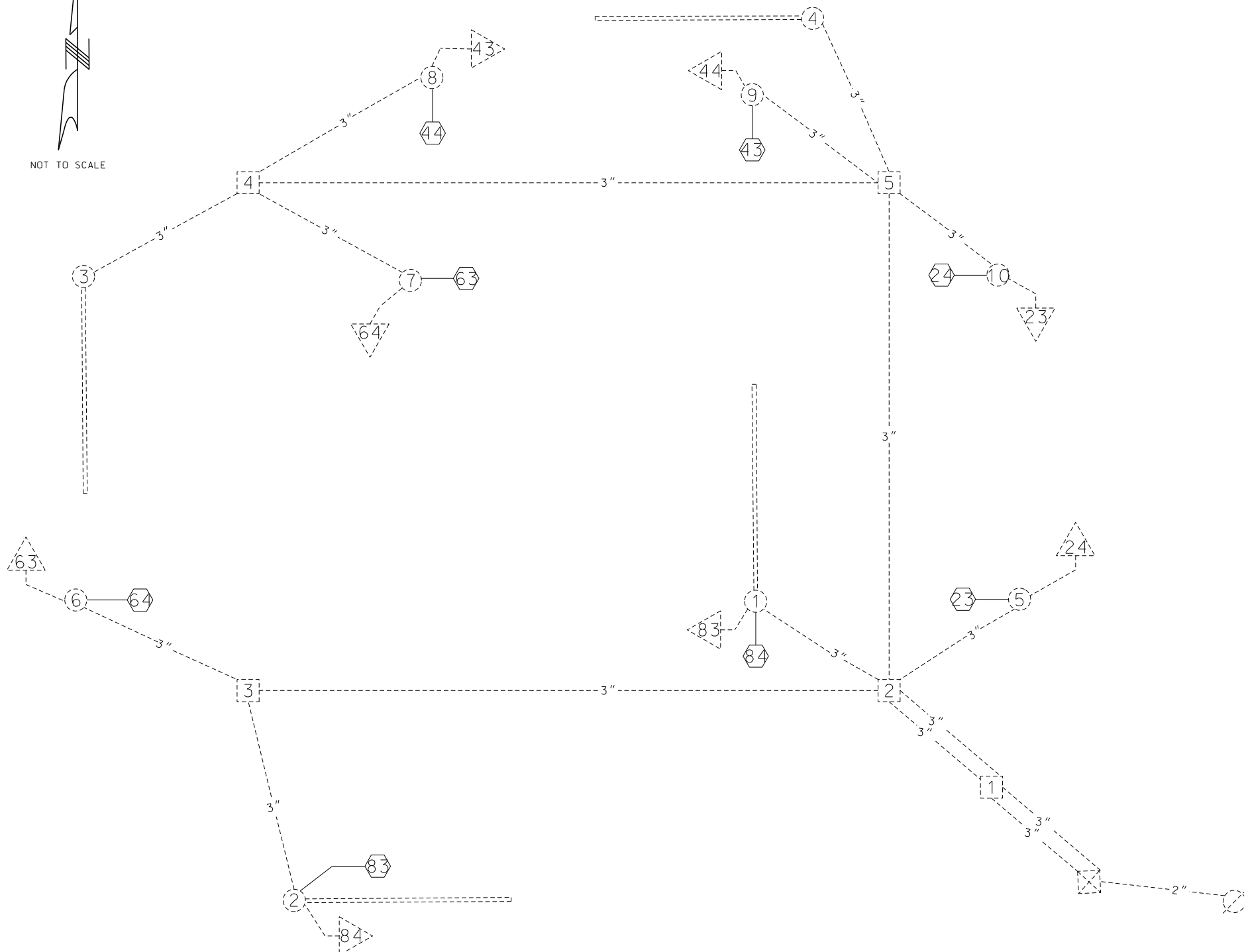
INGRAM MILL AVE AND BUS 65
 (CHESTNUT EXPWY)
 SIGNAL PLAN
 SHEET 28 OF 43



WIRING DIAGRAM



NOT TO SCALE



NOTE: PLAN SHOWS ONLY PROPOSED CABLE. UNLESS SHOWN, PUSH BUTTONS WILL USE THEIR EXISTING CABLE

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTOR



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 68
COUNTY GREENE	
JOB NO. J8P3144	
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)

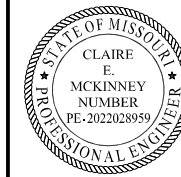
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



INGRAM MILL AVE AND BUS 65
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 29 OF 43

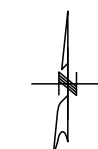
D-37D

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



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 69
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

SIGNAL FACE LOCATION	
64	23
43	44
84	83
63	24



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS							
UIP EXISTING							
PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
UIP EXISTING				UIP EXISTING			
FACE NUMBERS		FACE NUMBERS		FACE NUMBERS		FACE NUMBERS	
SIGNAL INDICATIONS		SIGNAL INDICATIONS		SIGNAL INDICATIONS		SIGNAL INDICATIONS	
DETECTOR ASSIGNMENTS		DETECTOR ASSIGNMENTS		DETECTOR ASSIGNMENTS		DETECTOR ASSIGNMENTS	
DETECTOR ASSIGNMENTS (PEDS. ONLY)		DETECTOR ASSIGNMENTS (PEDS. ONLY)		DETECTOR ASSIGNMENTS (PEDS. ONLY)		DETECTOR ASSIGNMENTS (PEDS. ONLY)	
OVERLAP PARENT PHASES		OVERLAP PARENT PHASES		OVERLAP PARENT PHASES		OVERLAP PARENT PHASES	

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1				
RING 2				
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

BARRIER
RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND	
	ACTUATED VEHICULAR MOVEMENT
	PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
	NON-ACTUATED VEHICULAR MOVEMENT
	PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
	ACTUATED PEDESTRIAN MOVEMENT
	NON-ACTUATED PEDESTRIAN MOVEMENT
	VEHICLE STOPPED
FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRT	YELLOW RIGHT ARROW
RT	GREEN RIGHT ARROW
-YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION

INGRAM MILL AVE AND BUS 65
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 30 OF 43

DESCRIPTION

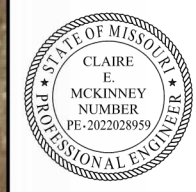
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



D-38A



DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO

DISTRICT SW SHEET NO. 70

COUNTY GREENE

JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



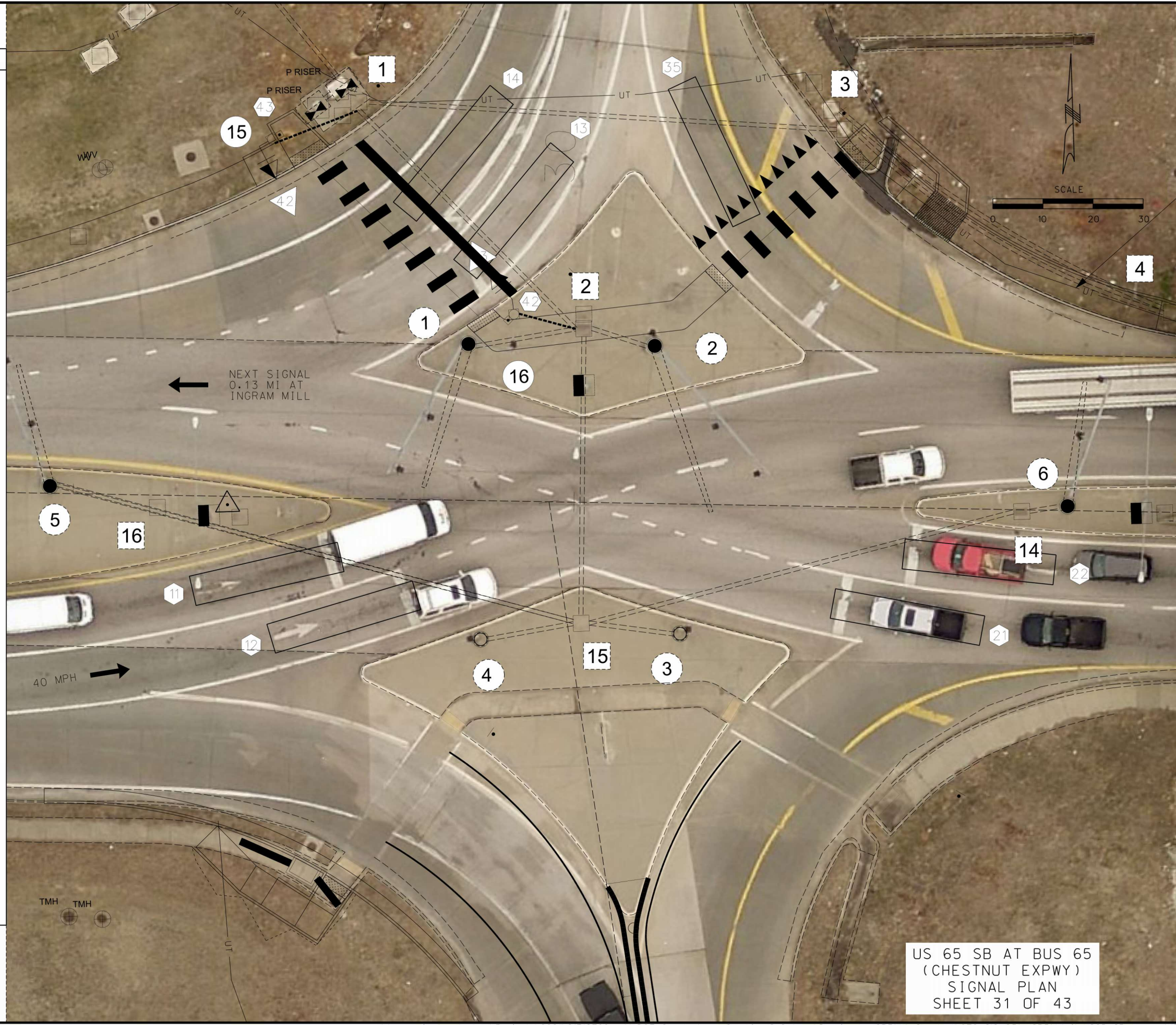
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC SIGNALS LEGEND

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



US 65 SB AT BUS 65
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 31 OF 43

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



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 71
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

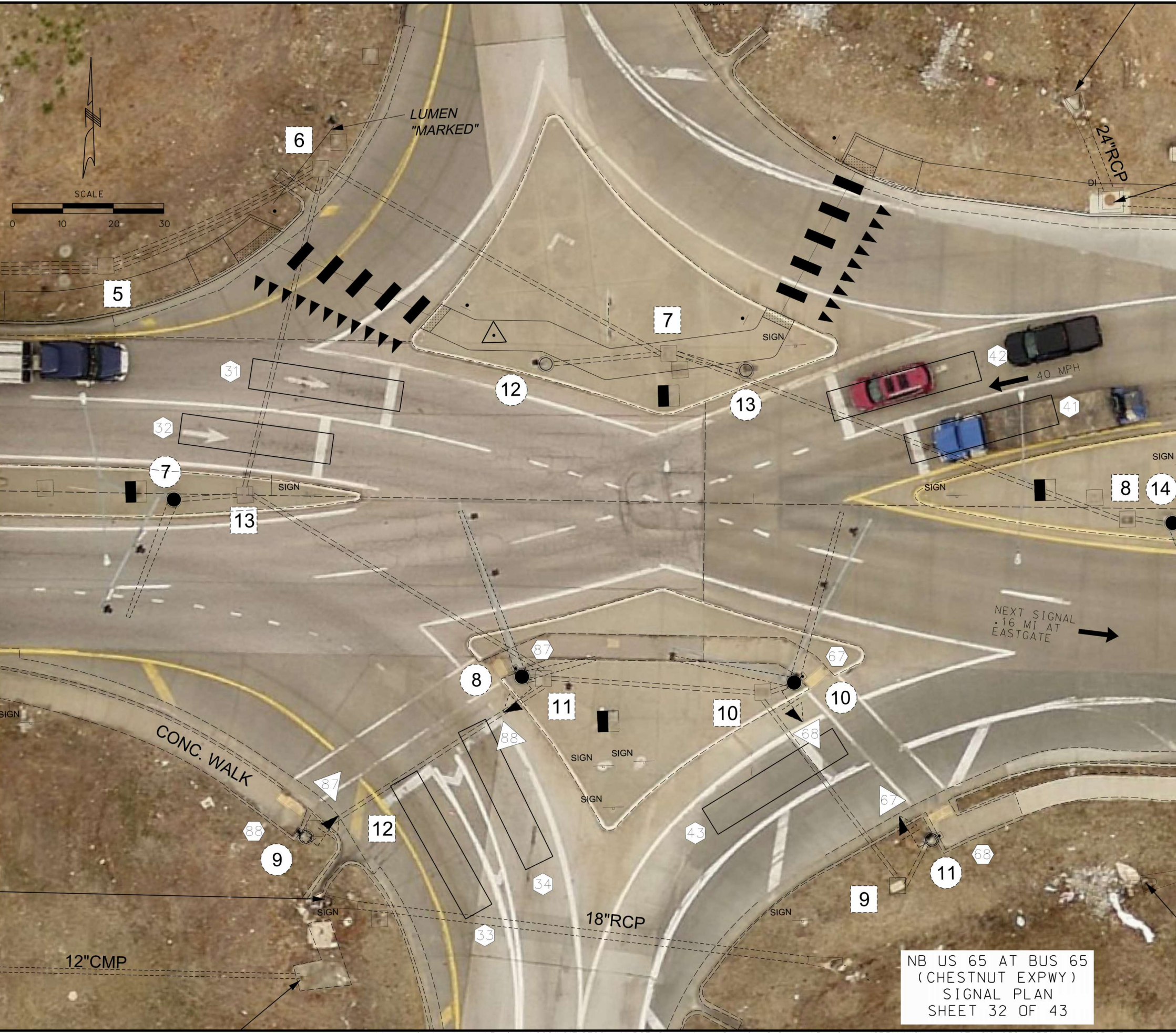
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC SIGNALS LEGEND

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



NB US 65 AT BUS 65
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 32 OF 43



DATE PREPARED
5/27/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 73
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

CONDUIT (WITH #14 TRACER WIRE)																CABLE													REMARKS								
FROM	TO	CENTER TO CENTER DISTANCE	TRENCH					PUSHED			MEDIAN			ON STRUCTURE					FROM	TO	CENTER TO CENTER DISTANCE	POWER	CONTROL					RADAR DETECTION		LUMINAIRE		DETECTOR		FIBER			
			1"	1.25"	2"	4"	3.5"	2"	2.5"	3"	2"	3"	4"	2"	3"	1"	1c#8	2c#16					5c#16	7c#16	3c#16	SENSOR 6c	CONTROL			POLE & BRACKET	1c#14 IN DUCT	2c#14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE			
23	23	E															43	43	23																		
23	11	E															42	42	23																		
11	15	19					21										42	42	82			111															
11	22	E															43	43	82				112														
22	16	14					16										88	88	E			E														UIP EXISTING	
11	13	E															87	87	E			E														UIP EXISTING	
11	14	E															68	68	E			E														UIP EXISTING	
11	15	E															67	67	E			E														UIP EXISTING	
11	16	E																																			
11	13	E																																			
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11	12	E																																			
12	11	E																																			
11	10	E																																			
10	10	E																																			
10	19	E																																			
9	11	E																																			
SUBTOTALS							37										SUBTOTALS					157	159														
TOTALS							37										TOTALS					160	160														

DESCRIPTION
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

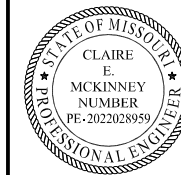
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

US 65 SB RAMPS AND BUS 65
 (CHESTNUT EXPWY)
 SIGNAL PLAN
 SHEET 34 OF 43

D-37B

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



CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																				
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF SWITCH		COORDINATION AND INTERFACE				TIME CLOCK	NEMA CABINET			2070 CABINET		2070 SOFTWARE	
APPROACH	STATION	OFFSET	NEMA	2070	NEMA	2070	I	II	12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP		FIBER	E	EV	DOUBLE	332	336S	OMNI EX
BUS 65 (CHESTNUT EXPWY)			UIP EXISTING																	

POWER SUPPLY														
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING				LIGHTING CONTROL (ON POWER SUPPLY)			SERVICE POLE		
APPROACH	STATION	OFFSET	DRAWING	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CNTRL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY		
BUS 65 (CHESTNUT EXPWY)			UIP EXISTING											

SIGNAL SIGNS					
QTY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
		INCHES	SQ.FT.	SQ.FT.	EA.
* 4	R10-3eL	9 X 15	1	3.0	4
* 2	R10-3eR	9 X 15	1	3.0	2
			SUBTOTAL		
			TOTAL		

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	APS PUSH BUTTON	TYPE			RADAR*
			STANDARD	DELAY/EXTEND	CALL UNIT	
42	EB @ SB US 65 RIGHT	1				
43	WB @ SB US 65 RIGHT	1				
67	EB @ NB US 65 RIGHT	1				
68	WB @ NB US 65 RIGHT	1				
87	WB @ NB US 65 LEFT	1				
88	EB @ NB US 65 LEFT	1				
SUBTOTALS		6				
TOTALS		6				

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
 *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.
 (1) MoDOT "D" PLUG SHALL BE NO NEMA WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

2070 INPUT FILE ASSIGNMENTS															
CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	U	UIP EXISTING													
"J"	U											67			
	L											68			
	L										42	87			
											43	88			

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (UIP EXISTING)

2070 OUTPUT FILE ASSIGNMENTS							
FR	PH 1	PH 2	2 PED	PH 3	PH 4	4 PED	MONITOR
FR1						DW	
FR2						W	
FR3	PH 5	PH 6	6 PED	PH 7	PH 8	8 PED	
			DW			DW	
FR4			W			W	

* NOTE: UIP EXISTING VEHICULAR OUTPUT FILE ASSIGNMENTS

DATE PREPARED	6/11/2025
ROUTE	LP44
STATE	MO
DISTRICT	SW
SHEET NO.	74
COUNTY	GREENE
JOB NO.	J8P3144
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

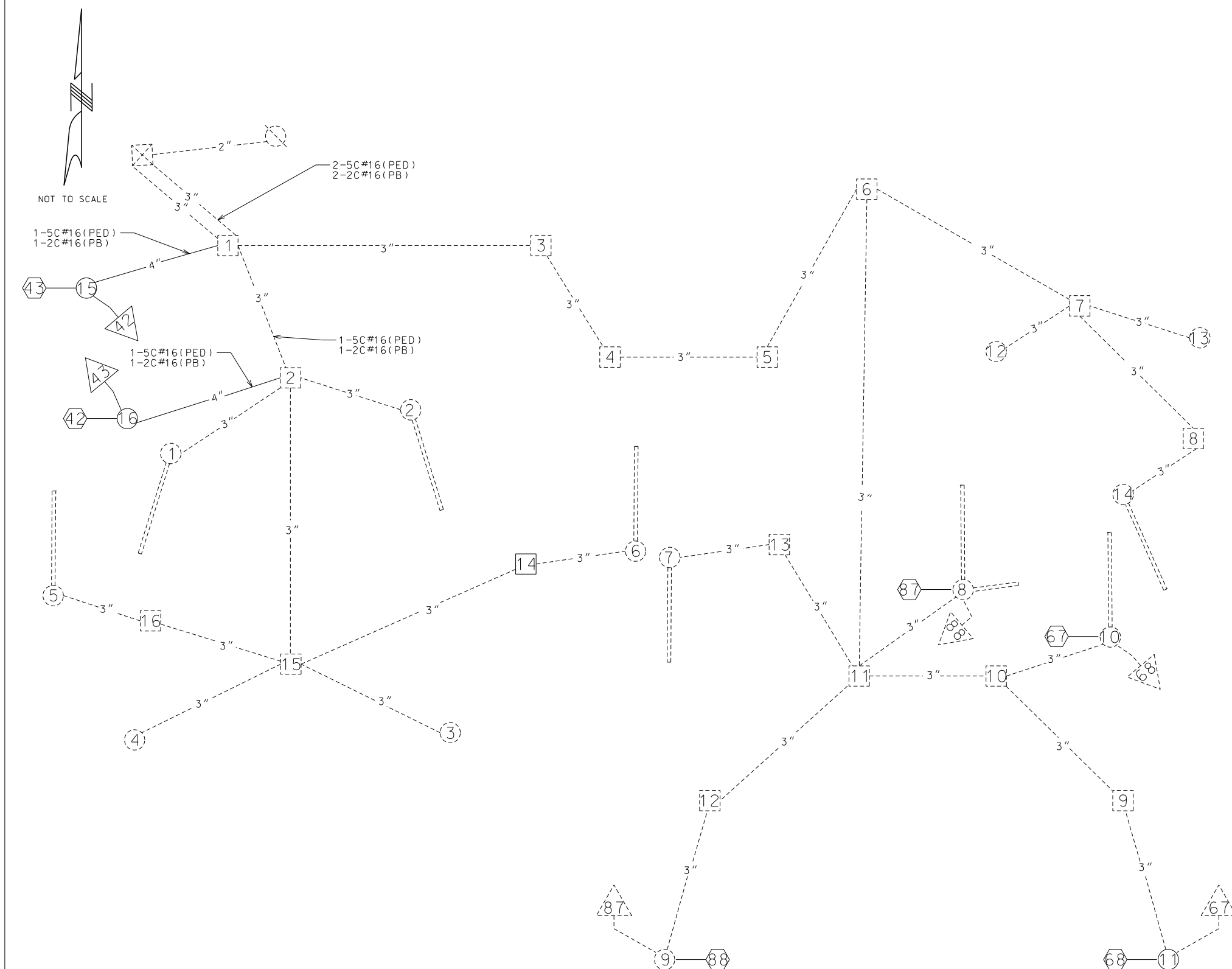
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090

US 65 SB RAMPS AND BUS 65
 (CHESTNUT EXPWY)
 SIGNAL PLAN
 SHEET 35 OF 43

D-37C

WIRING DIAGRAM



LEGEND

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



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 75
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

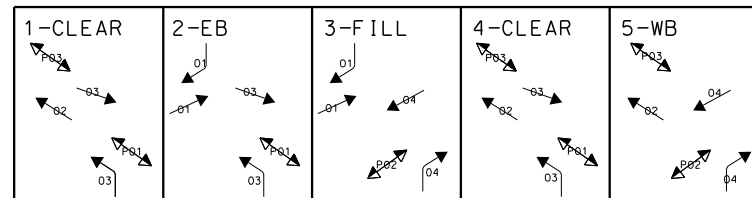
US 65 SB RAMPS AND BUS 65
(CHESTNUT EXPWY)
SIGNAL PLAN
SHEET 36 OF 43

D-37D



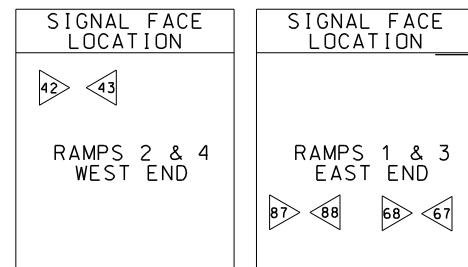
DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 76
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS											
UIP EXISTING						UIP EXISTING					
UIP EXISTING						UIP EXISTING					
FACE NUMBERS						FACE NUMBERS					
SIGNAL INDICATIONS						SIGNAL INDICATIONS					
DETECTOR ASSIGNMENTS						DETECTOR ASSIGNMENTS					
DETECTOR ASSIGNMENTS (PEDS. ONLY)						DETECTOR ASSIGNMENTS (PEDS. ONLY)					
OVERLAP PARENT PHASES						OVERLAP PARENT PHASES					



PHASING

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.



LEGEND	
→	ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
→	NON-ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
→	ACTUATED PEDESTRIAN MOVEMENT
→	NON-ACTUATED PEDESTRIAN MOVEMENT
—	VEHICLE STOPPED
FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YR+	YELLOW RIGHT ARROW
RT.	GREEN RIGHT ARROW
-YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ALL APPROACHES	FR
CONTROLLER TYPE	2070

TRAFFIC SIGNAL CONTROL OPERATION
 US 65 SB RAMP AND BUS 65
 (CHESTNUT EXPWY)
 SIGNAL PLAN
 SHEET 37 OF 43

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



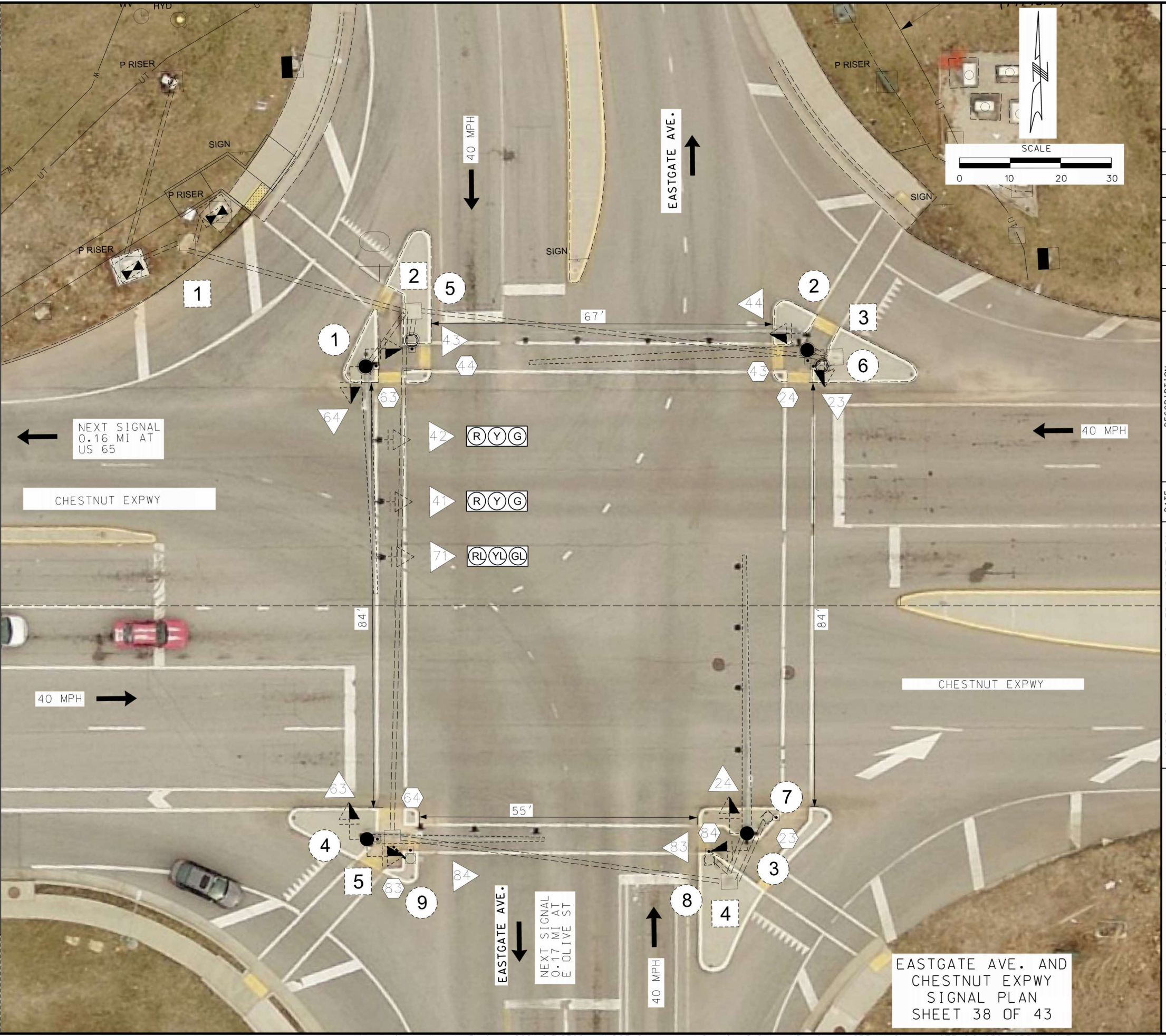
GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



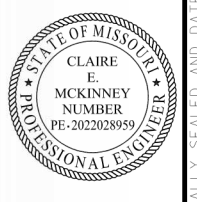
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TRAFFIC SIGNALS LEGEND

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



EASTGATE AVE. AND CHESTNUT EXPWY SIGNAL PLAN SHEET 38 OF 43



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 77
COUNTY GREENE	
JOB NO. J8P3144	
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)

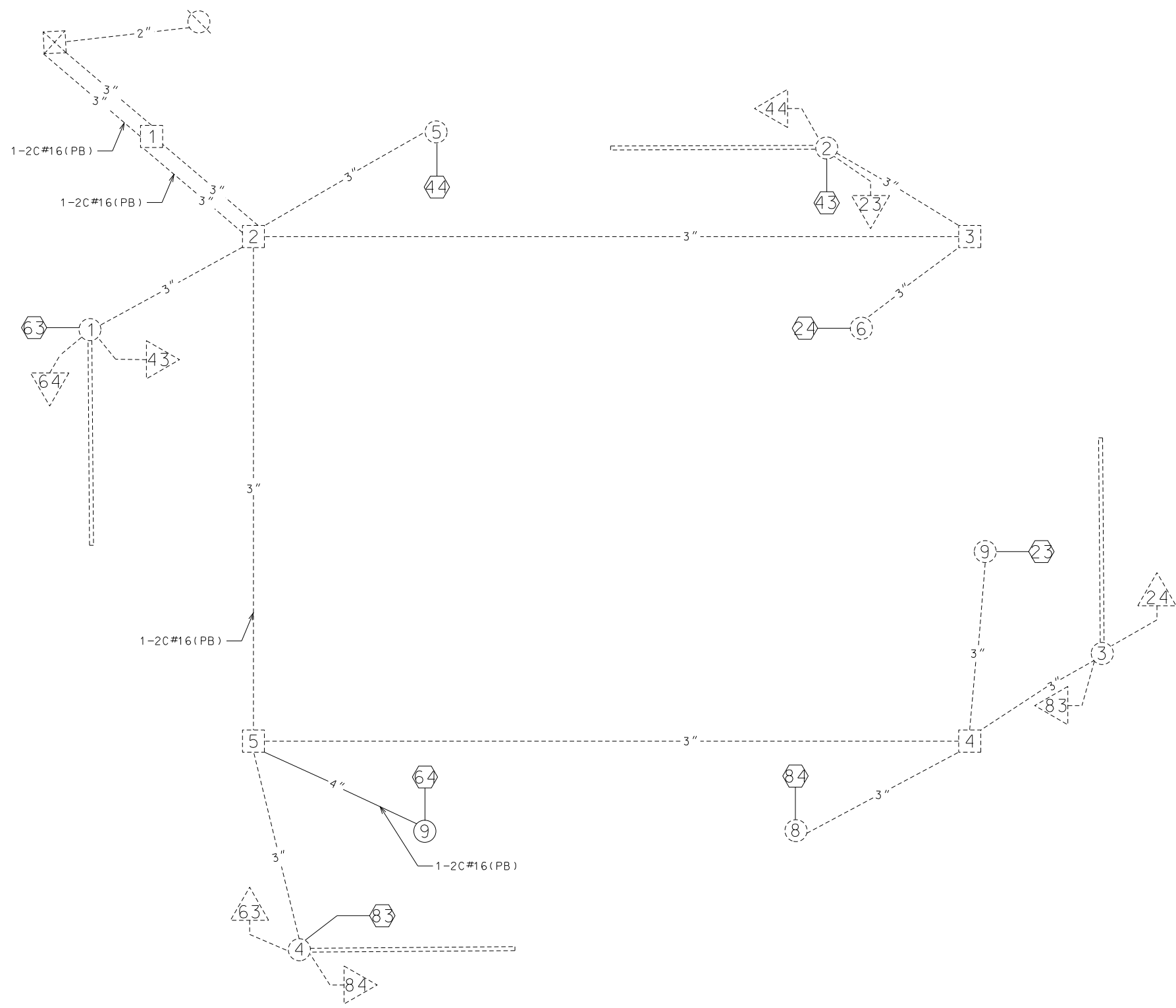
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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

WIRING DIAGRAM

NOT TO SCALE



NOTE: PLAN SHOWS ONLY PROPOSED CABLE. UNLESS SHOWN, PUSH BUTTONS WILL USE THEIR EXISTING CABLE

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- RADAR DETECTOR



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 81
COUNTY GREENE	
JOB NO. J8P3144	
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)

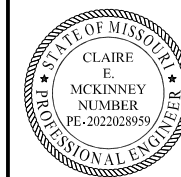
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

EASTGATE AVE AND
CHESTNUT EXPWY
SIGNAL PLAN
SHEET 42 OF 43

D-37D



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



DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 82

COUNTY GREENE
JOB NO. J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

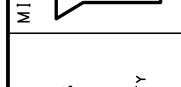
105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

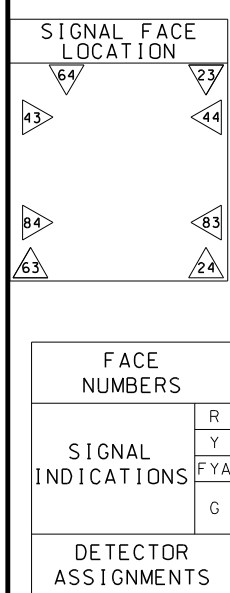
GARVER, LLC.

7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153

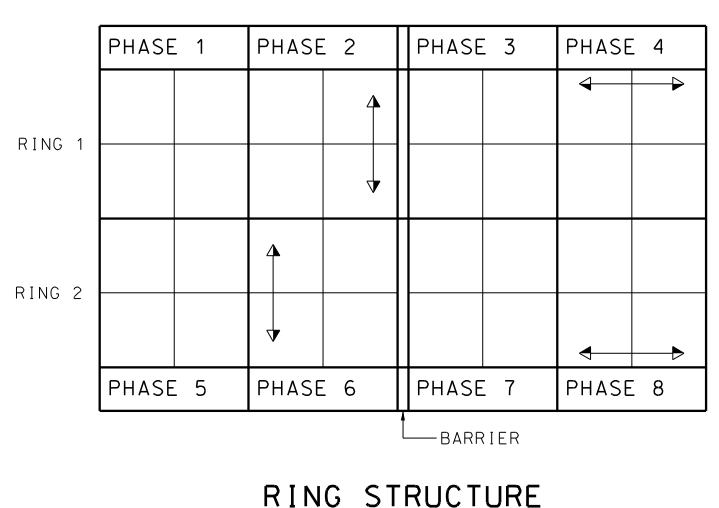
PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090



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



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS																			
UIP EXISTING																			
PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED #8 OVERLAP	PED #6 OVERLAP	PED #4 OVERLAP	PED #2 OVERLAP	FACE NUMBERS							
								83	63	43	23								
								84	64	44	24								
								DW	DW	DW	DW								
								FDW	FDW	FDW	FDW								
								W	W	W	W								
UIP EXISTING								DETECTOR ASSIGNMENTS (PIDS, ONLY)											
DETECTOR ASSIGNMENTS								OVERLAP PARENT PHASES											



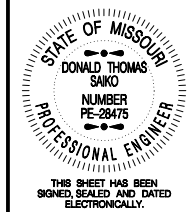
IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND	
→	ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
→	NON-ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
→	ACTUATED PEDESTRIAN MOVEMENT
→	NON-ACTUATED PEDESTRIAN MOVEMENT
—	VEHICLE STOPPED
FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRT	YELLOW RIGHT ARROW
RT	GREEN RIGHT ARROW
LY	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION

EASTGATE AVE AND CHESTNUT EXPWY SIGNAL PLAN SHEET 43 OF 43

D-38A

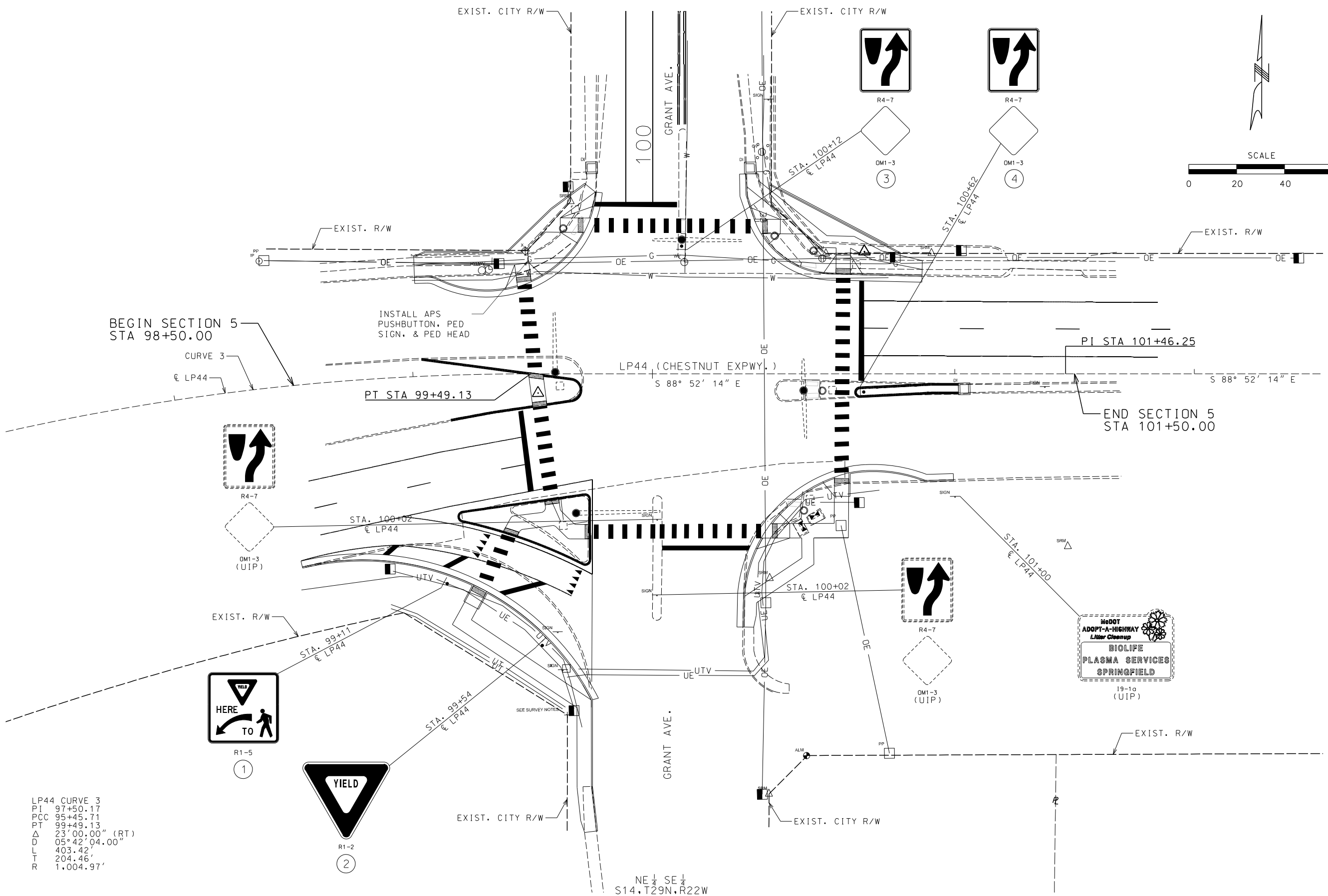
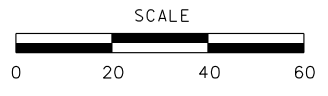


DATE PREPARED
5/27/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 83
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

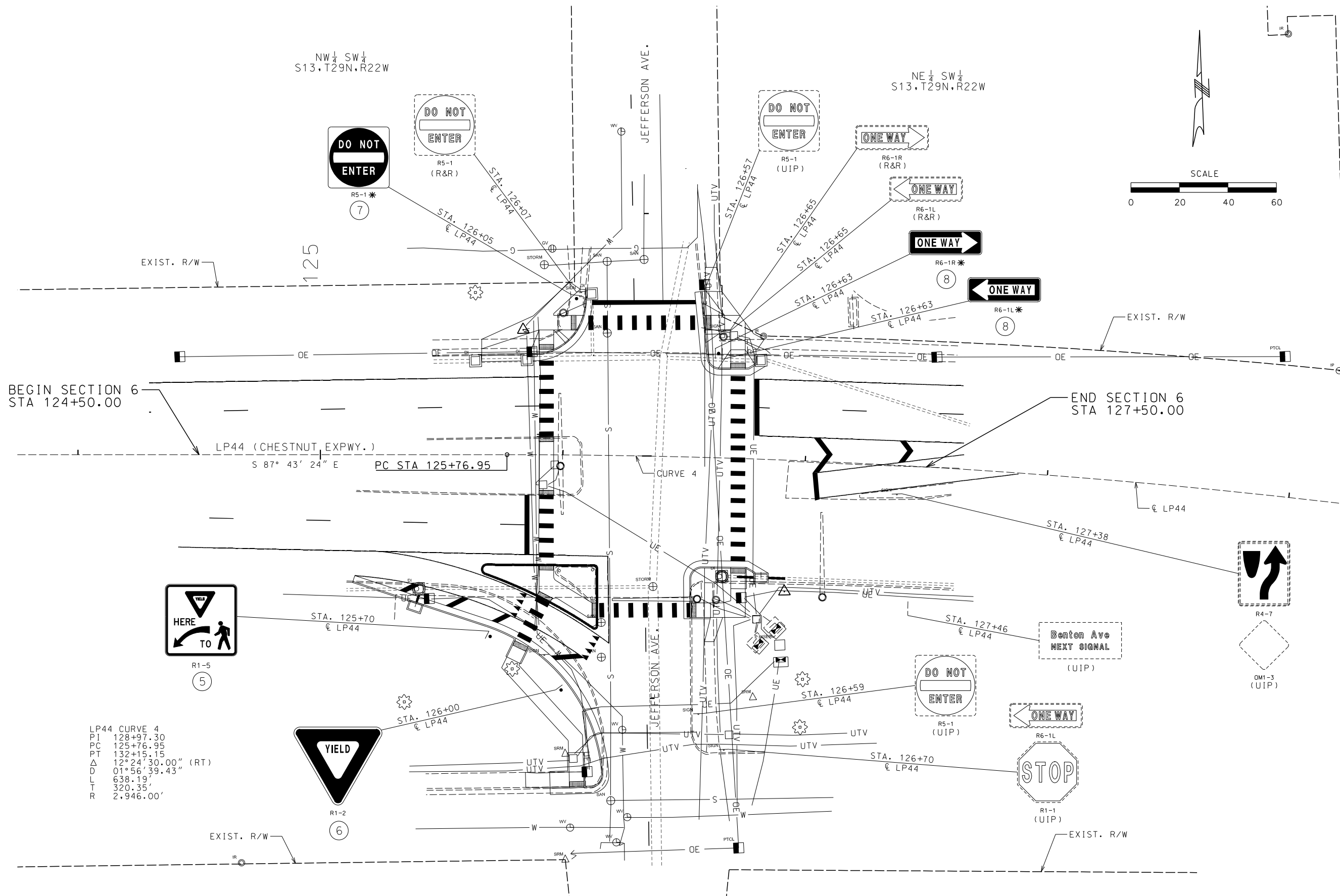


LP44 CURVE 3
PI 97+50.17
PCC 95+45.71
PT 99+49.13
 Δ 23'00.00" (RT)
D 05°42'04.00"
L 403.42'
T 204.46'
R 1,004.97'

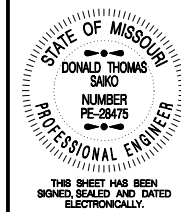
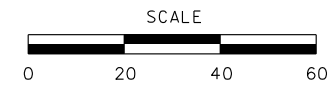
NE 1/4 SE 1/4
S14.T29N.R22W

SIGNING PLANS
SHEET 1 OF 5

* REPLACE POST AND REUSE EXISTING SIGNS



LP44 CURVE 4
 PI 128+97.30
 PC 125+76.95
 PT 132+15.15
 Δ 12°24'30.00" (RT)
 D 01°56'39.43"
 L 638.19'
 T 320.35'
 R 2,946.00'



DATE PREPARED
 5/27/2025
 ROUTE LP44 STATE MO
 DISTRICT SW SHEET NO. 84
 COUNTY GREENE
 JOB NO. J8P3144
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

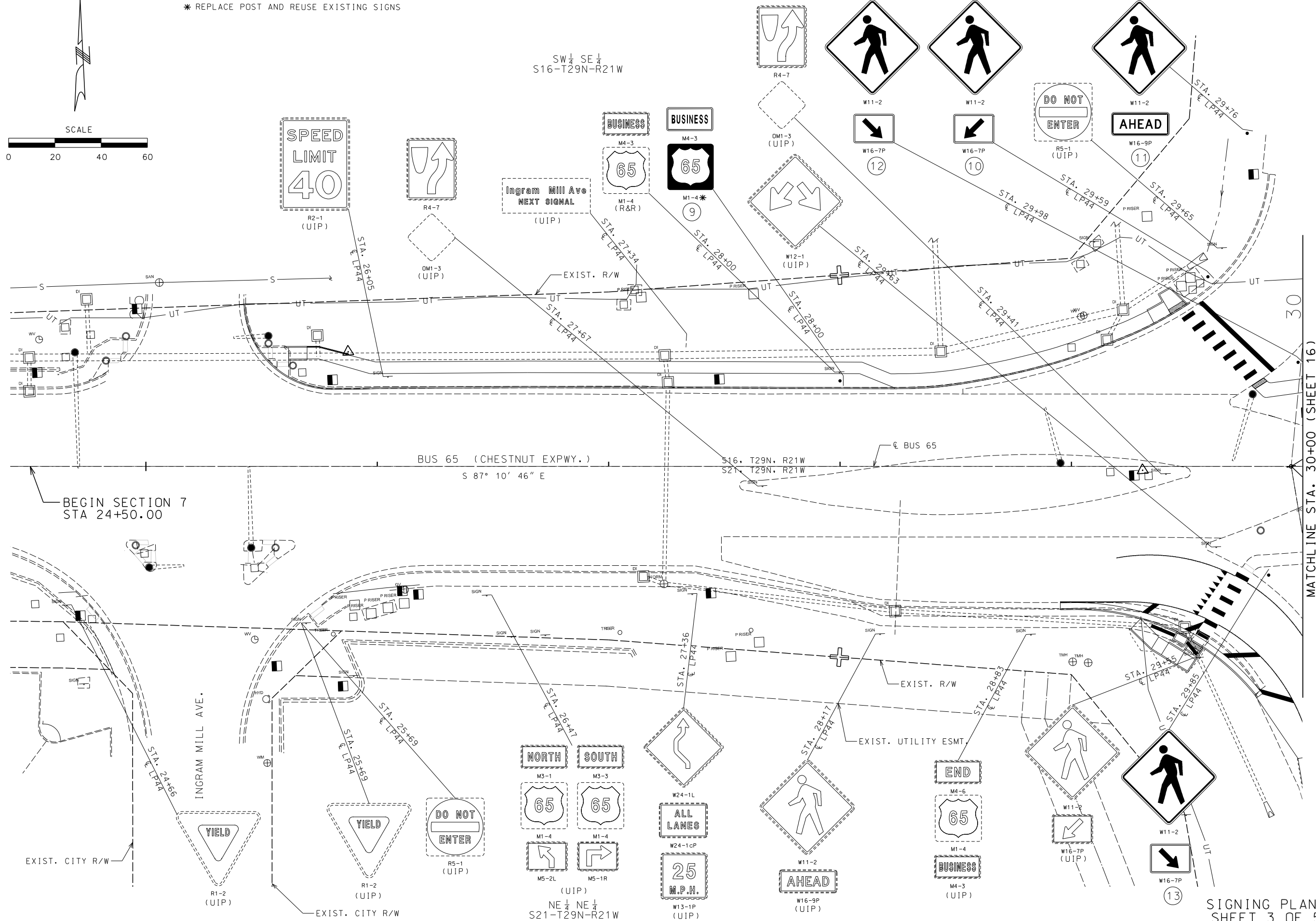
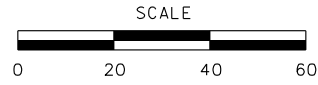
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



SIGNING PLANS
 SHEET 2 OF 5

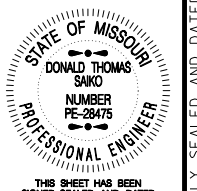
* REPLACE POST AND REUSE EXISTING SIGNS



SW 1/4 SE 1/4
S16-T29N-R21W

BUS 65 (CHESTNUT EXPWY.)
S 87° 10' 46" E
S16. T29N. R21W
S21. T29N. R21W

NORTH SOUTH
M3-1 M3-3
65 65
M1-4 M1-4
M5-2L (UIP) M5-1R
NE 1/4 NE 1/4
S21-T29N-R21W



DATE PREPARED
5/27/2025
ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 85
COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

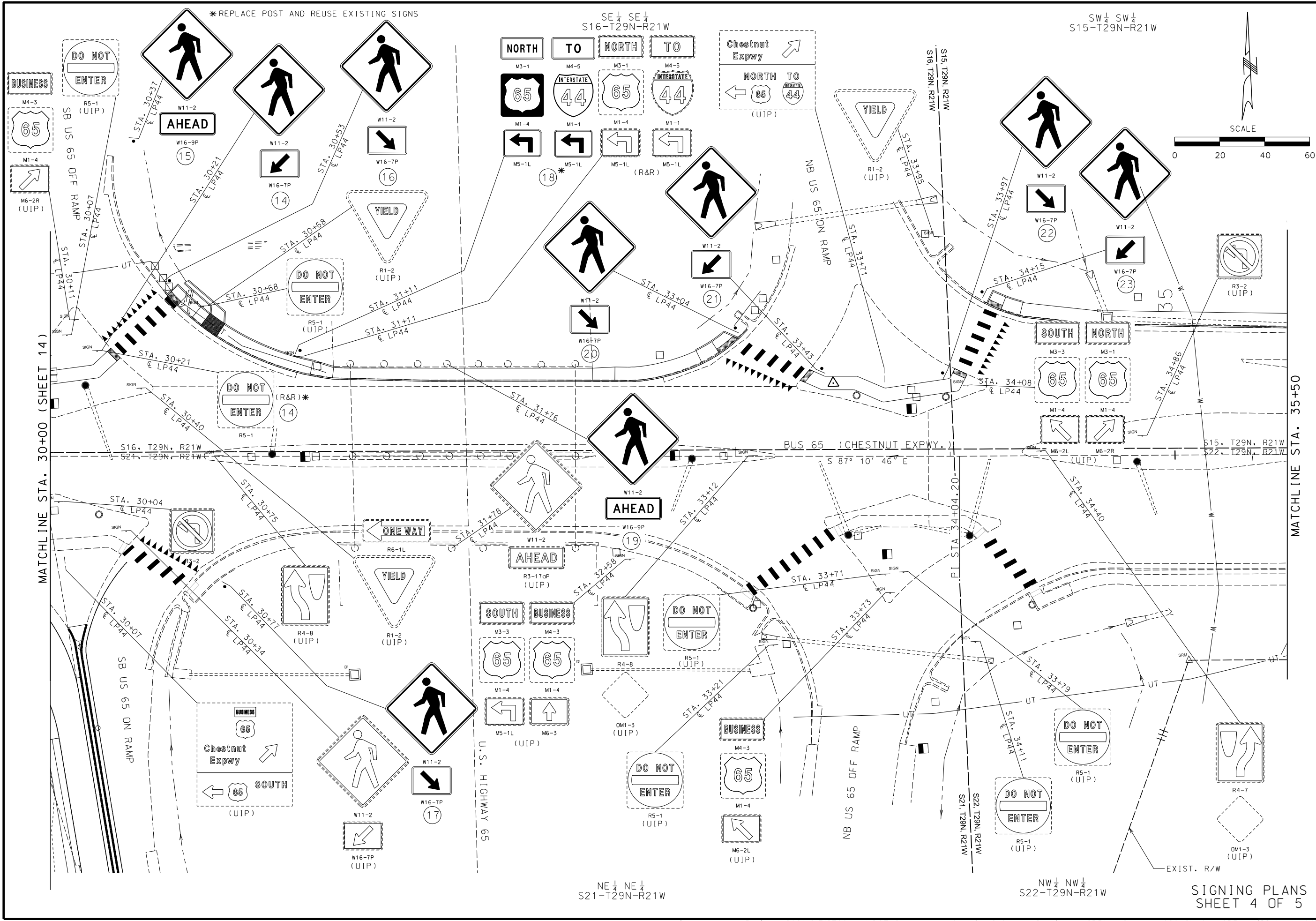
DATE	DESCRIPTION

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

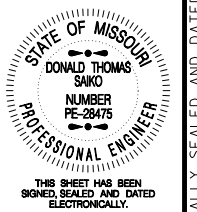
GARVER, L.L.C.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SIGNING PLANS
SHEET 3 OF 5

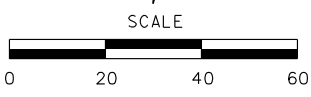


* REPLACE POST AND REUSE EXISTING SIGNS



DATE PREPARED
5/27/2025

ROUTE	STATE
LP44	MO
DISTRICT	SHEET NO.
SW	86
COUNTY	
GREENE	
JOB NO.	
J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

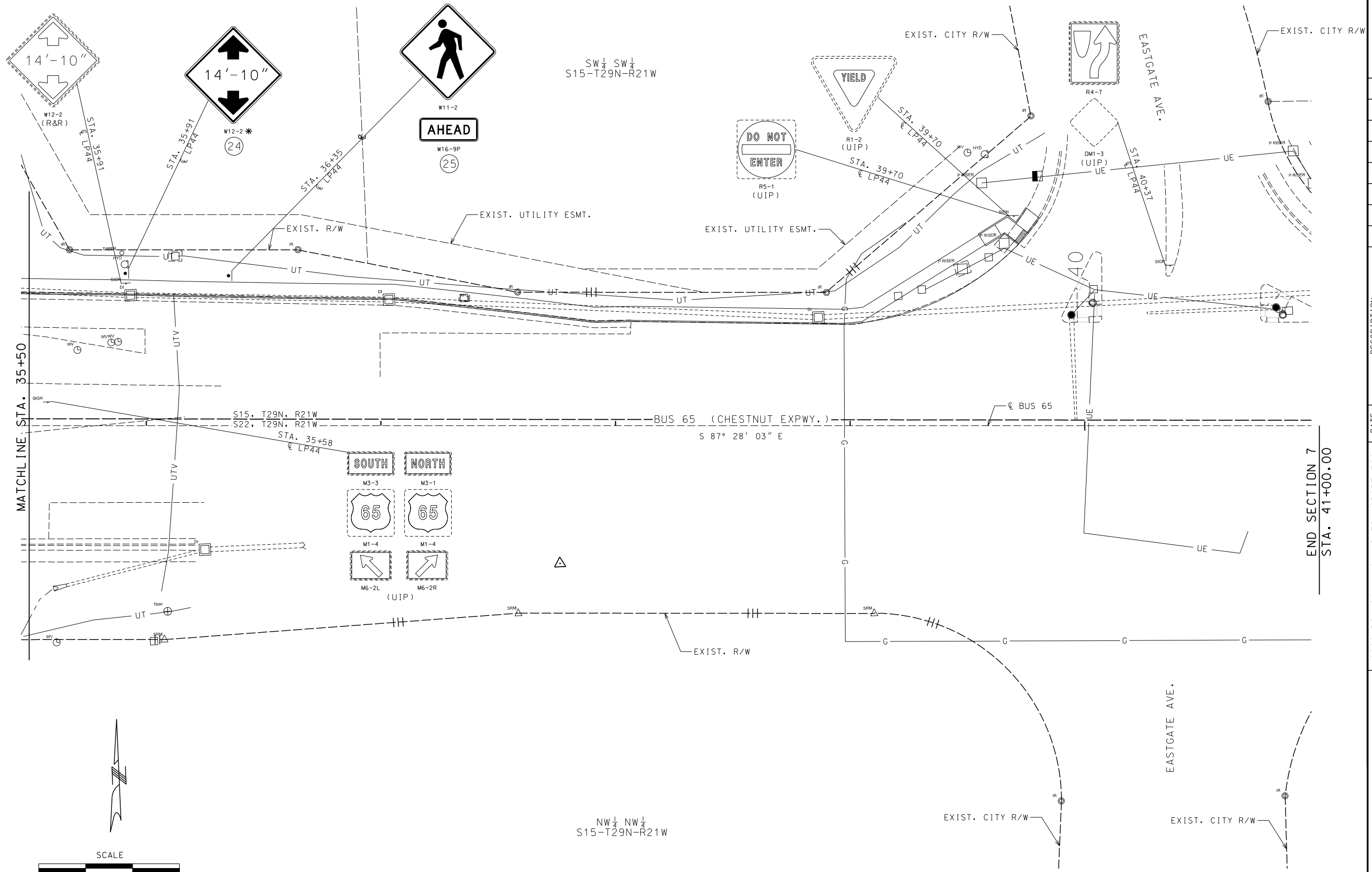
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



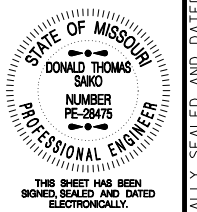
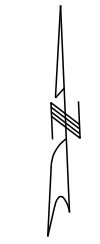
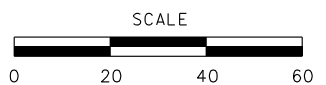
SIGNING PLANS
SHEET 4 OF 5

*REPLACE POST AND REUSE EXISTING SIGNS



MATCHLINE STA. 35+50

END SECTION 7
STA. 41+00.00



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 87
COUNTY GREENE	
JOB NO. J8P3144	
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)

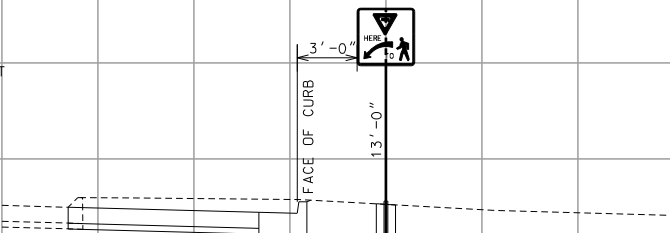
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



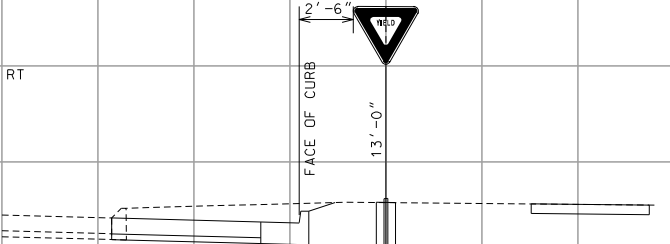
SIGNING PLANS
SHEET 5 OF 5

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

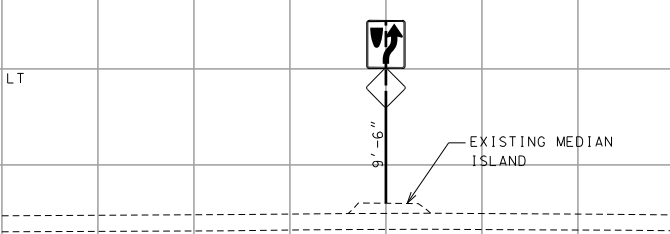
①
 € LP44
 STA. 99+11, 87.0' RT
 R1-5 36" X 36"
 1 - 2" 12 GA PSST



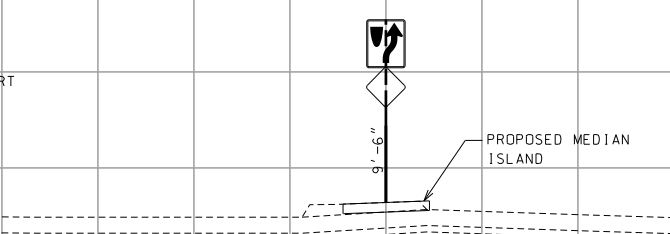
②
 € LP44
 STA. 99+54, 133.50' RT
 R1-2 36" X 36"
 1 - 2" 12 GA PSST



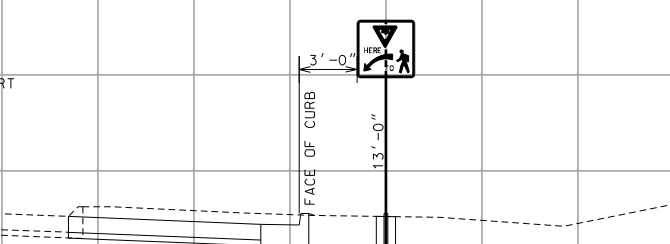
③
 € LP44
 STA. 100+12, 53.31' LT
 R4-7 24" X 30"
 OM1-3 18" X 18"
 1 - 2.5" PIPE POST



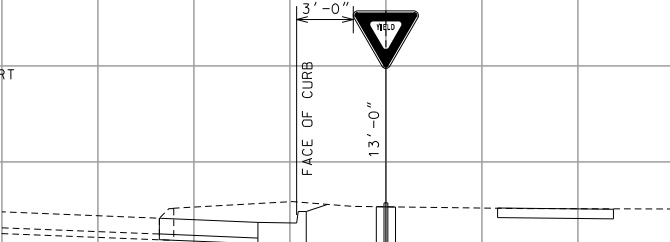
④
 € LP44
 STA. 100+62, 7.61' RT
 R4-7 24" X 30"
 OM1-3 18" X 18"
 1 - 2.5" PIPE POST



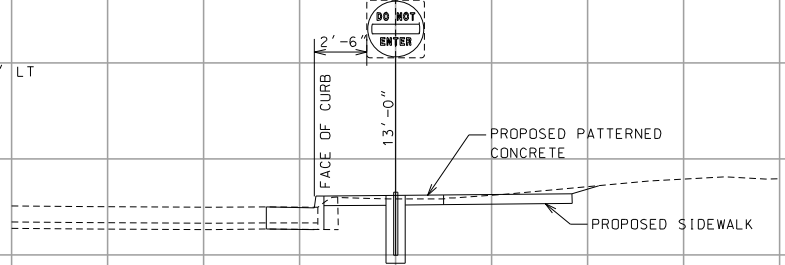
⑤
 € LP44
 STA. 125+70, 75.0' RT
 R1-5 36" X 36"
 1 - 2" 12 GA PSST



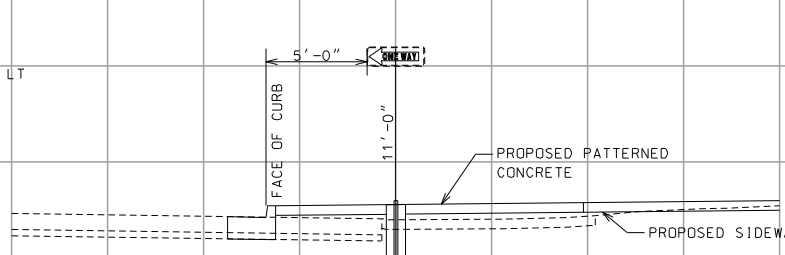
⑥
 € LP44
 STA. 126+00, 97.0' RT
 R1-2 36" X 36"
 1 - 2" 12 GA PSST



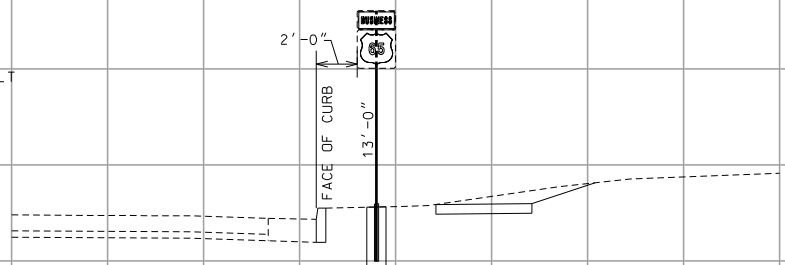
⑦
 € LP44
 STA. 126+05, 64.50' LT
 1 - 2" 12 GA PSST



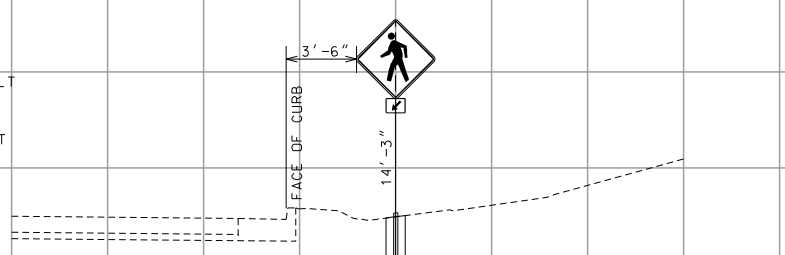
⑧
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 STA. 126+63, 43.0' LT
 1 - 2" 12 GA PSST



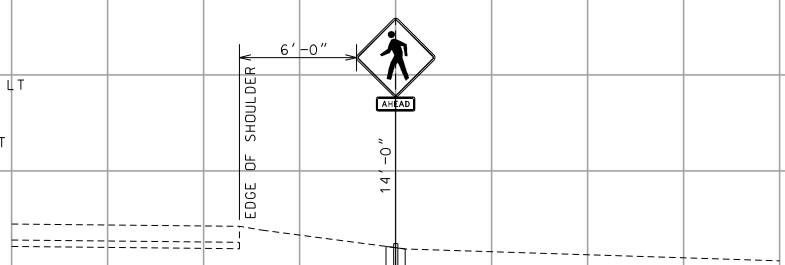
⑨
 € LP44
 STA. 28+00, 37.0' LT
 1 - 2" 12 GA PSST



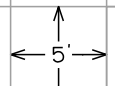
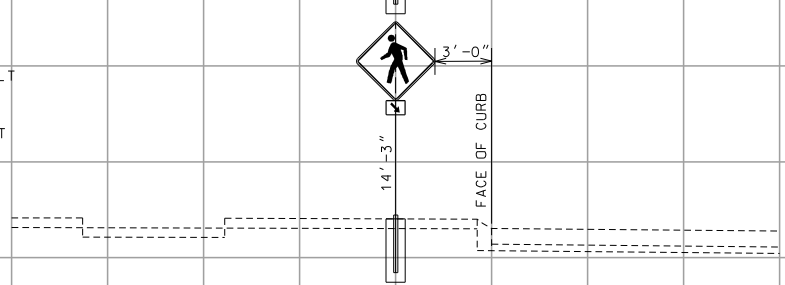
⑩
 € LP44
 STA. 29+59, 82.0' LT
 W11-2 36" X 36"
 W16-7P 21" X 15"
 1 - 2.5" 12 GA PSST



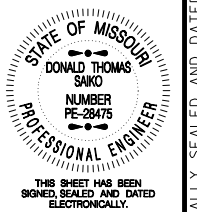
⑪
 € LP44
 STA. 29+76, 144.0' LT
 W11-2 36" X 36"
 W16-9P 24" X 12"
 1 - 2.5" 12 GA PSST



⑫
 € LP44
 STA. 29+98, 45.0' LT
 W11-2 36" X 36"
 W16-7P 21" X 15"
 1 - 2.5" 12 GA PSST



SIGN SECTIONS
 SHEET 1 OF 3



DATE PREPARED
 5/27/2025
 ROUTE LP44 STATE MO
 DISTRICT SW SHEET NO. 90
 COUNTY GREENE
 JOB NO. J8P3144
 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)

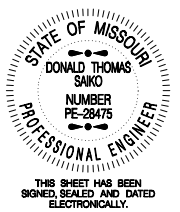
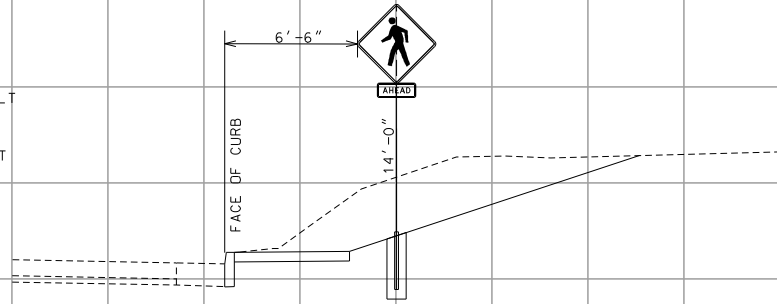
GARVER, LLC.
 7410 NW TIFFANY SPRINGS
 PARKWAY, SUITE 200
 KANSAS CITY, MO 64153
 PHONE: (816) 298-6465
 CERTIFICATE OF AUTHORITY
 NO. 2008013090



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

25

€ LP44
STA. 36+35.64.0' LT
W11-2 36" X 36"
W16-9P 24" X 12"
1 - 2.5" 12 GA PSST



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 92

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

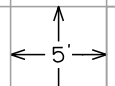
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

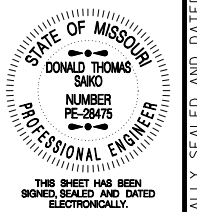
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



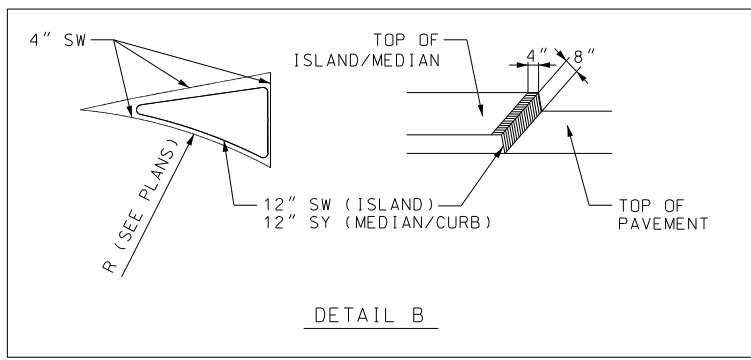
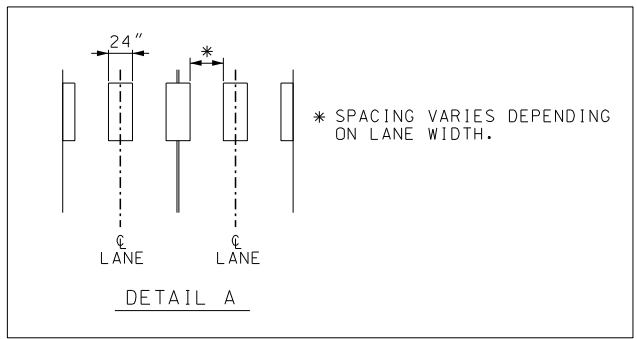
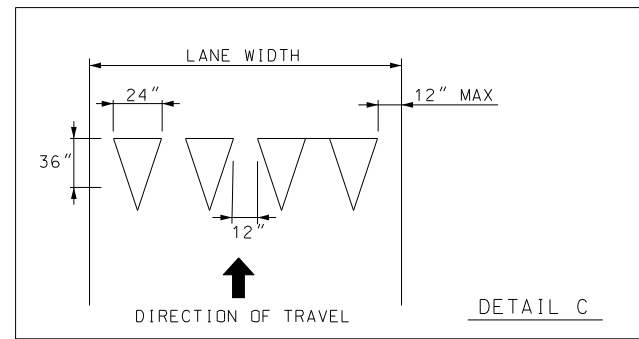
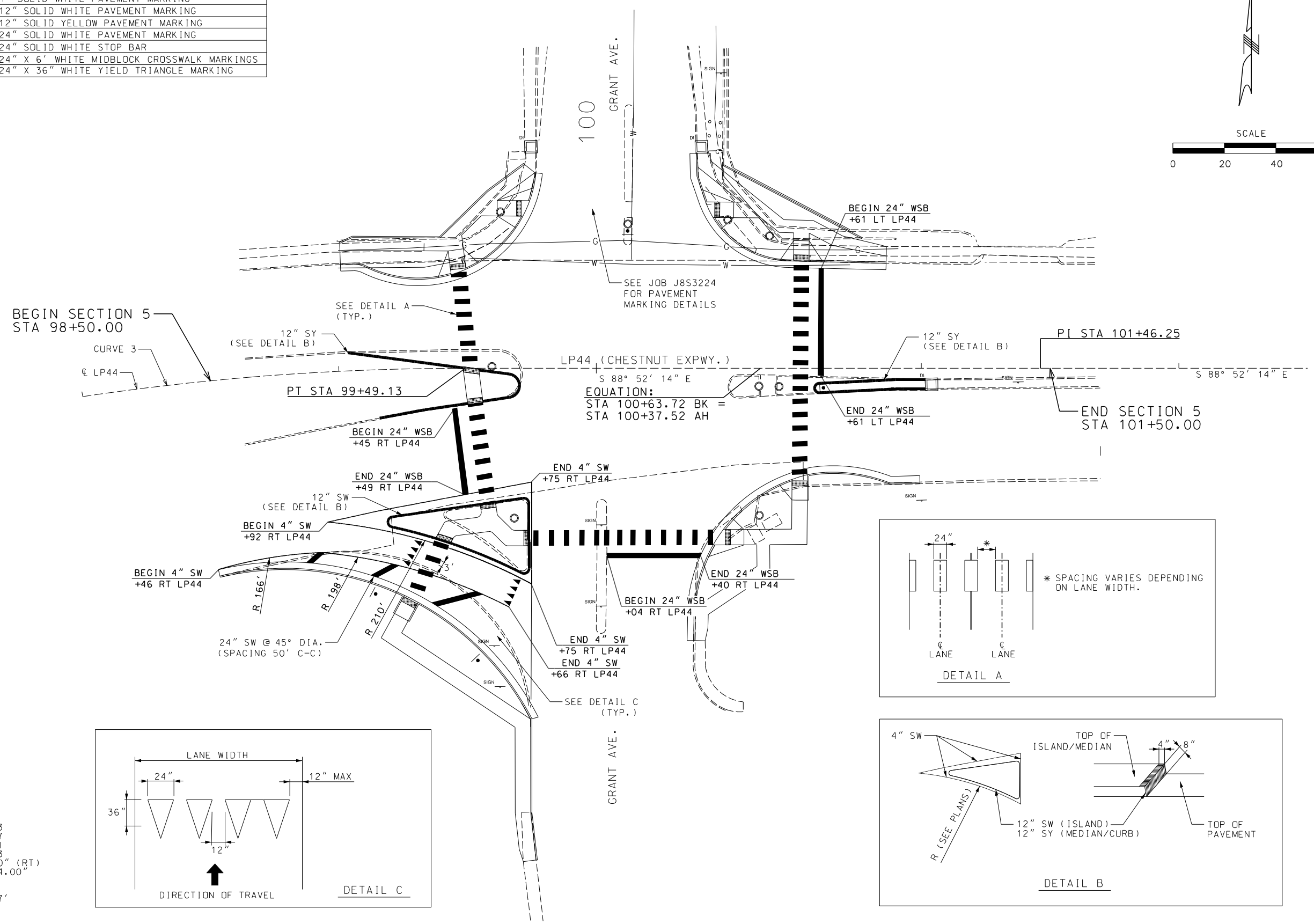
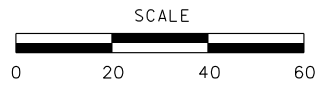
SIGN SECTIONS
SHEET 3 OF 3

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

LEGEND:	
4" SW	4" SOLID WHITE PAVEMENT MARKING
12" SW	12" SOLID WHITE PAVEMENT MARKING
12" SY	12" SOLID YELLOW PAVEMENT MARKING
24" SW	24" SOLID WHITE PAVEMENT MARKING
24" WSB	24" SOLID WHITE STOP BAR
	24" X 6' WHITE MIDBLOCK CROSSWALK MARKINGS
▲▲▲▲▲	24" X 36" WHITE YIELD TRIANGLE MARKING



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 93
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



LP44 CURVE 3
PI 97+50.17
PCC 95+45.71
PT 99+49.13
Δ 23'00.00" (RT)
D 05°42'04.00"
L 403.42'
T 204.46'
R 1,004.97'

DESCRIPTION	DATE

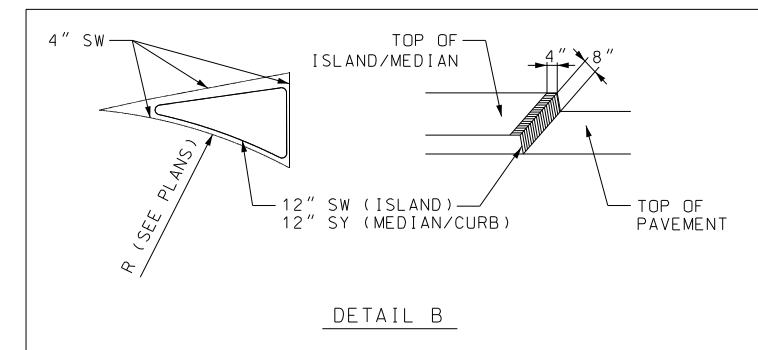
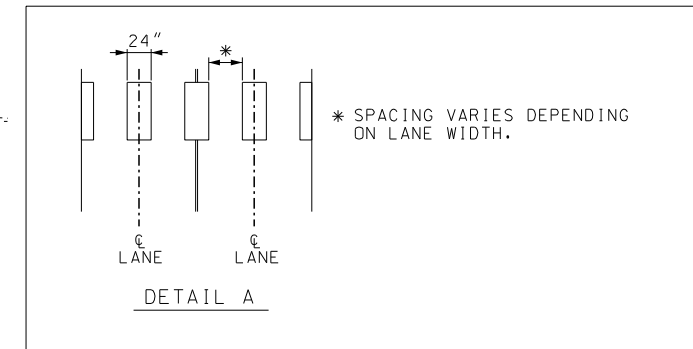
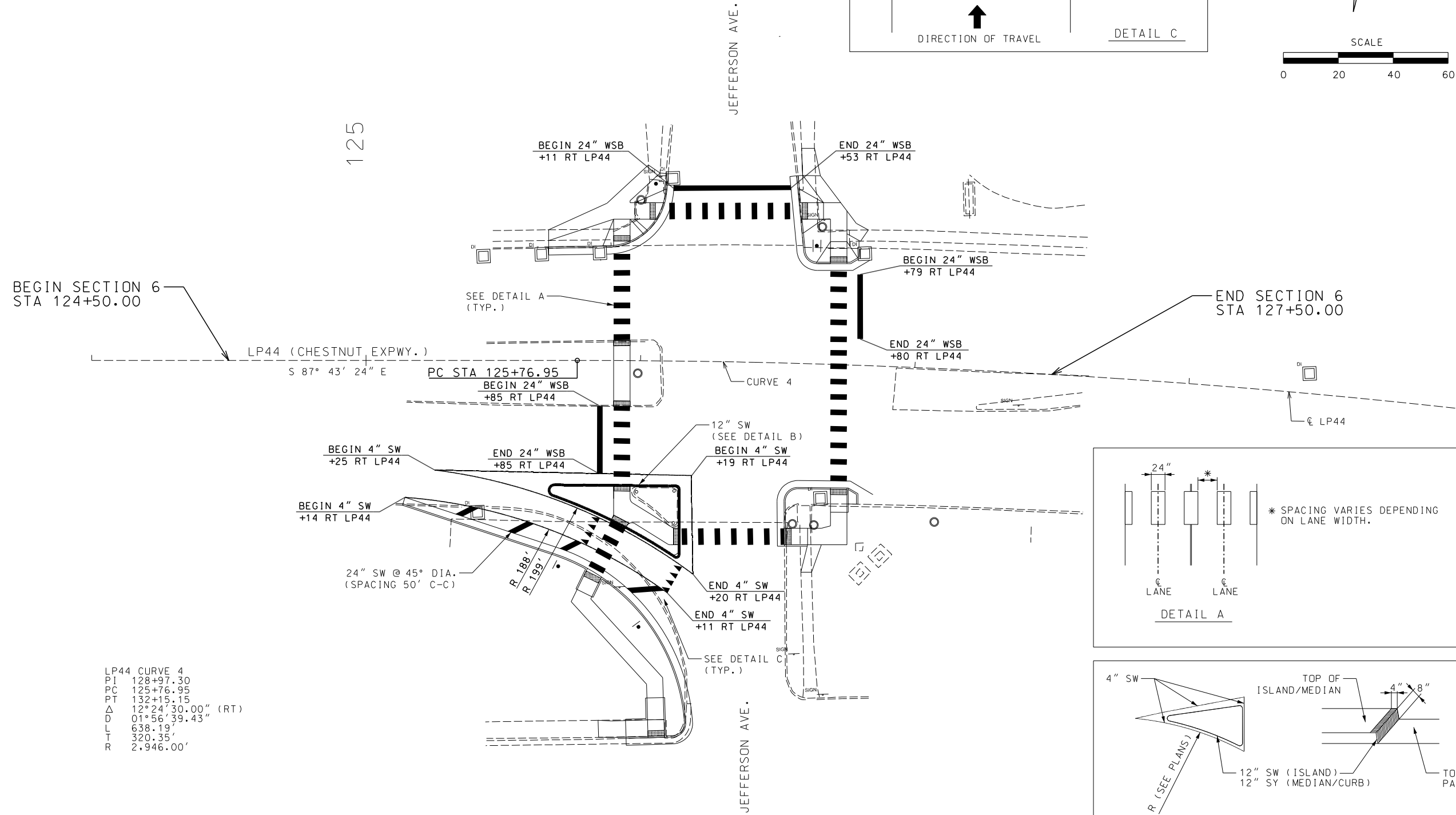
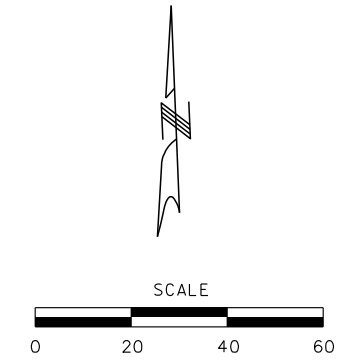
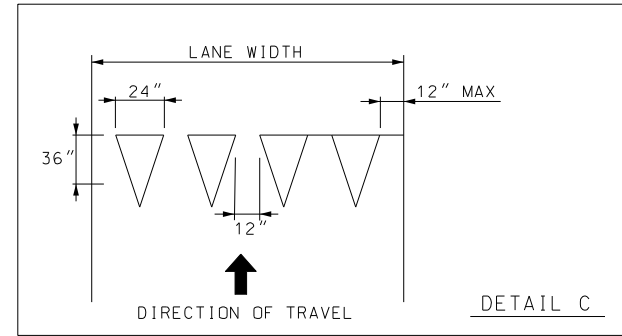
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

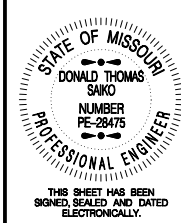


LEGEND:	
4" SW	4" SOLID WHITE PAVEMENT MARKING
12" SW	12" SOLID WHITE PAVEMENT MARKING
12" SY	12" SOLID YELLOW PAVEMENT MARKING
24" SW	24" SOLID WHITE PAVEMENT MARKING
24" WSB	24" SOLID WHITE STOP BAR
	24" X 6" WHITE MIDBLOCK CROSSWALK MARKINGS
▲▲▲▲▲	24" X 36" WHITE YIELD TRIANGLE MARKING



LP44 CURVE 4

PI	128+97.30
PC	125+76.95
PT	132+15.15
Δ	12°24'30.00" (RT)
D	01°56'39.43"
L	638.19'
T	320.35'
R	2,946.00'



DATE PREPARED	5/27/2025
ROUTE	LP44
STATE	MO
DISTRICT	SW
SHEET NO.	94
COUNTY	GREENE
JOB NO.	J8P3144
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

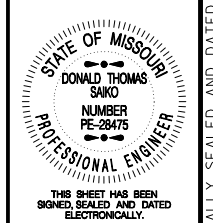
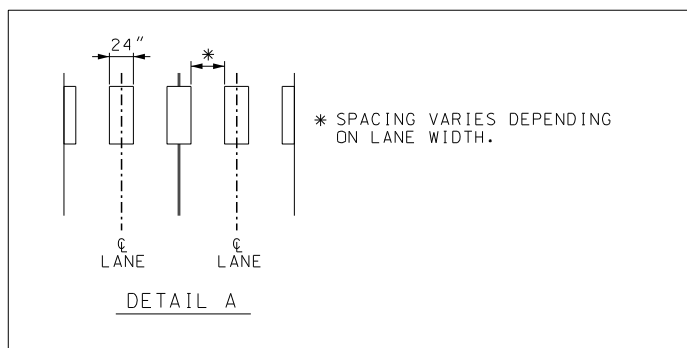
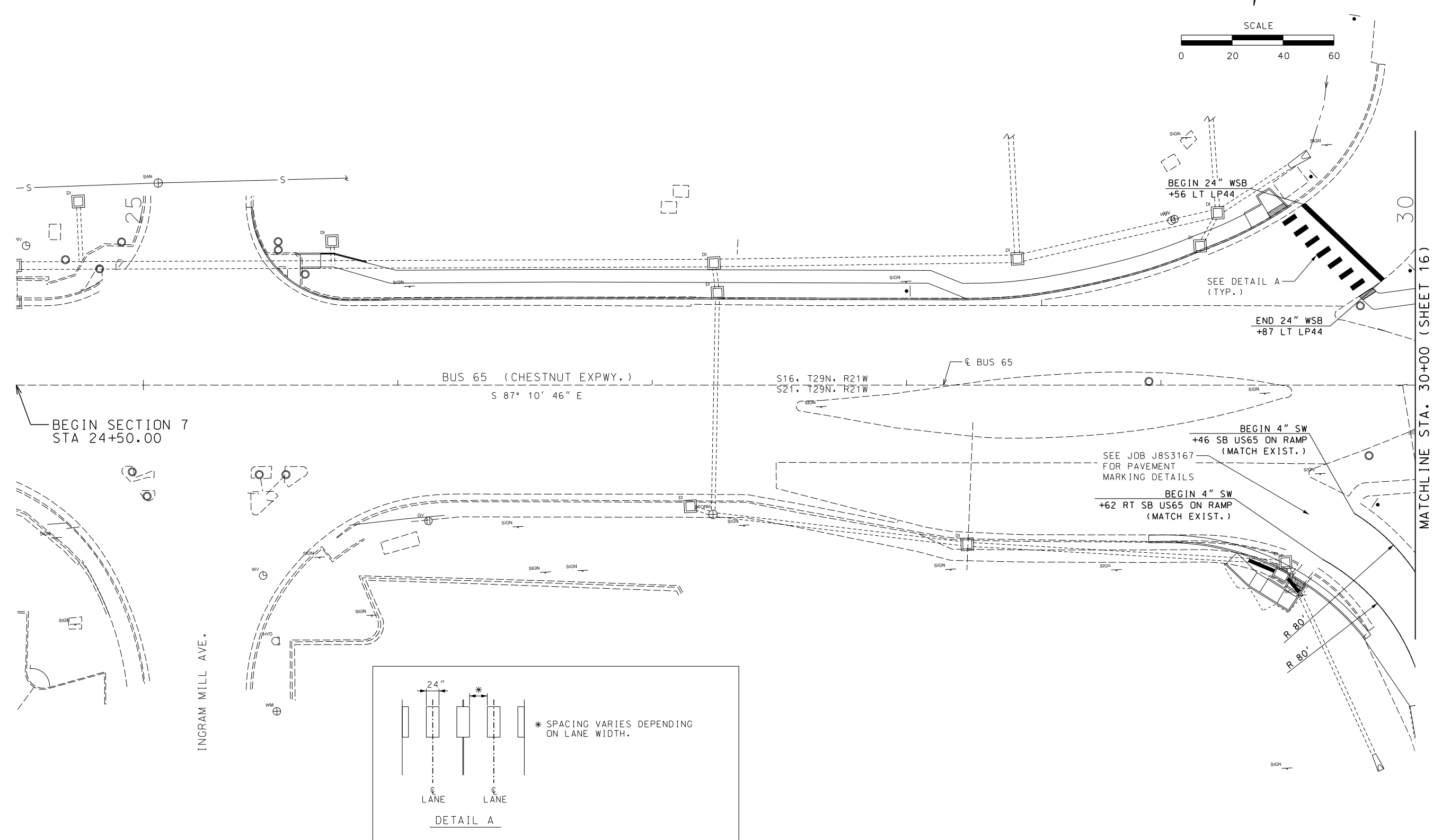
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, L.L.C.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



LEGEND:	
4" SW	4" SOLID WHITE PAVEMENT MARKING
12" SW	12" SOLID WHITE PAVEMENT MARKING
12" SY	12" SOLID YELLOW PAVEMENT MARKING
24" SW	24" SOLID WHITE PAVEMENT MARKING
24" WSB	24" SOLID WHITE STOP BAR
	24" X 6' WHITE MIDBLOCK CROSSWALK MARKINGS
▲▲▲▲▲	24" X 36" WHITE YIELD TRIANGLE MARKING



DATE PREPARED	5/27/2025
ROUTE	LP44
STATE	MO
DISTRICT	SW
SHEET NO.	95
COUNTY	GREENE
JOB NO.	J8P3144
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

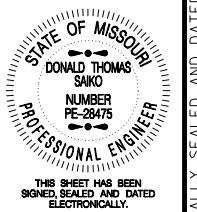
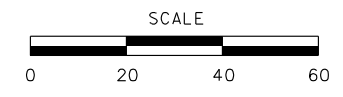
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

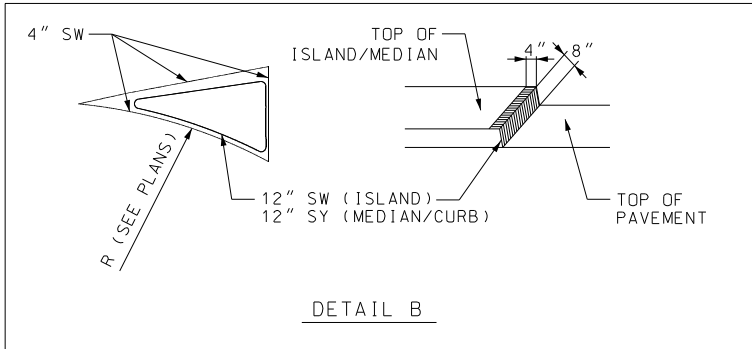
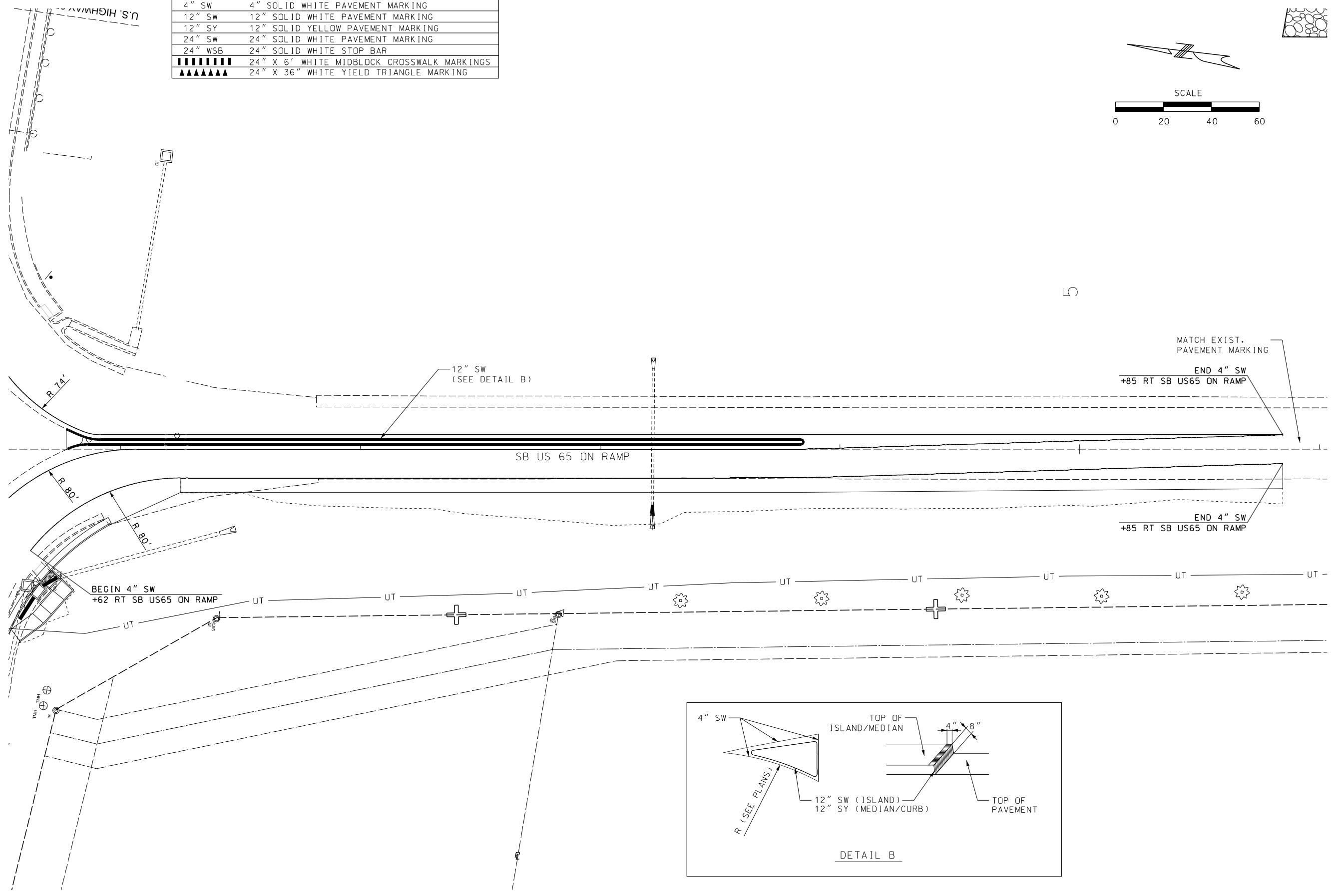
PAVEMENT MARKING SHEET 3 OF 5

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

LEGEND:	
4" SW	4" SOLID WHITE PAVEMENT MARKING
12" SW	12" SOLID WHITE PAVEMENT MARKING
12" SY	12" SOLID YELLOW PAVEMENT MARKING
24" SW	24" SOLID WHITE PAVEMENT MARKING
24" WSB	24" SOLID WHITE STOP BAR
▬▬▬▬▬▬	24" X 6' WHITE MIDBLOCK CROSSWALK MARKINGS
▲▲▲▲▲▲	24" X 36" WHITE YIELD TRIANGLE MARKING



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 96
COUNTY GREENE	
JOB NO. J8P3144	
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)

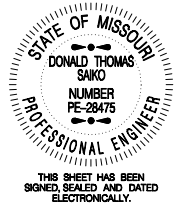
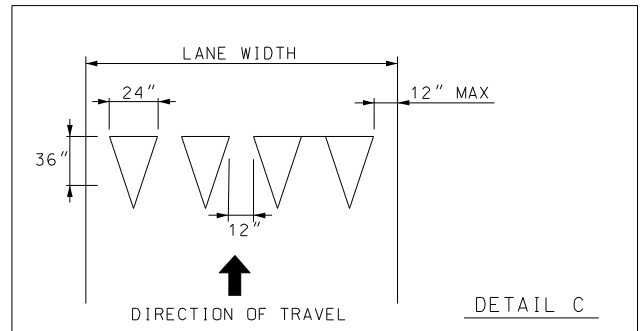
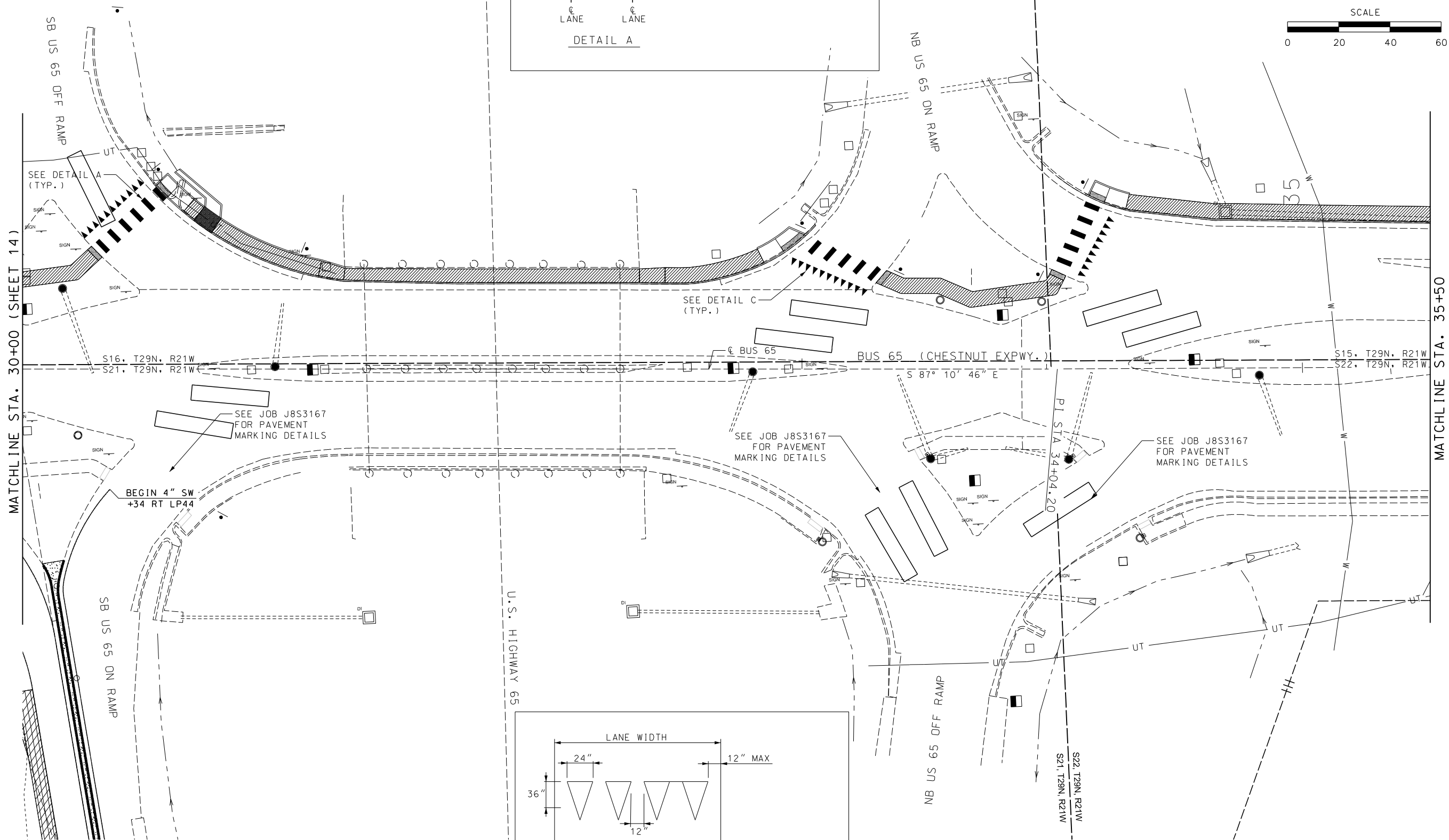
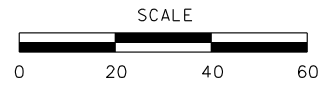
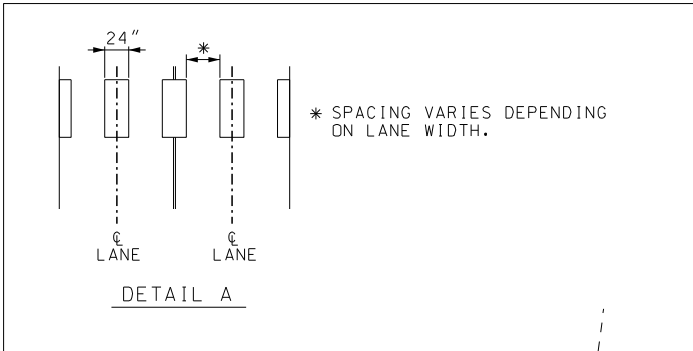
GARVER, LLC.
7410 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090



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

LEGEND:

4" SW	4" SOLID WHITE PAVEMENT MARKING
12" SW	12" SOLID WHITE PAVEMENT MARKING
12" SY	12" SOLID YELLOW PAVEMENT MARKING
24" SW	24" SOLID WHITE PAVEMENT MARKING
24" WSB	24" SOLID WHITE STOP BAR
▬▬▬▬▬▬	24" X 6' WHITE MIDBLOCK CROSSWALK MARKINGS
▲▲▲▲▲▲	24" X 36" WHITE YIELD TRIANGLE MARKING



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 97

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

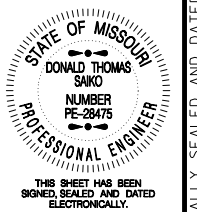
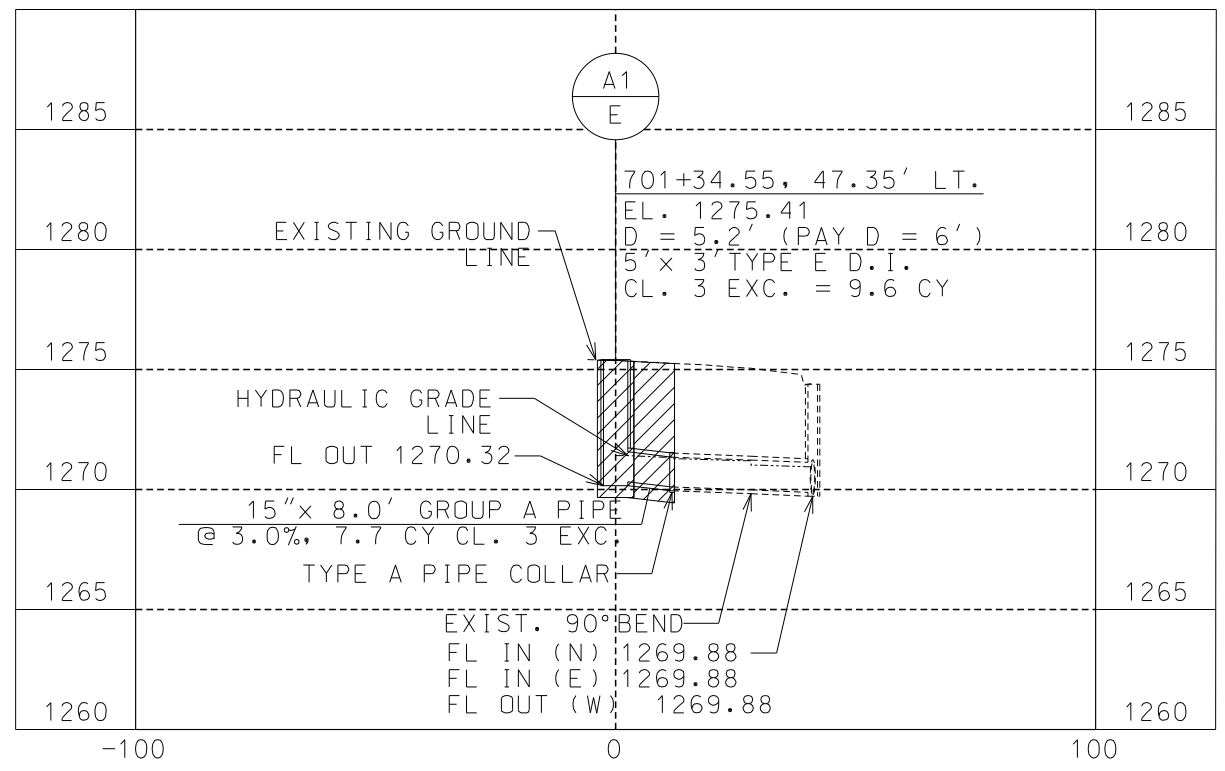
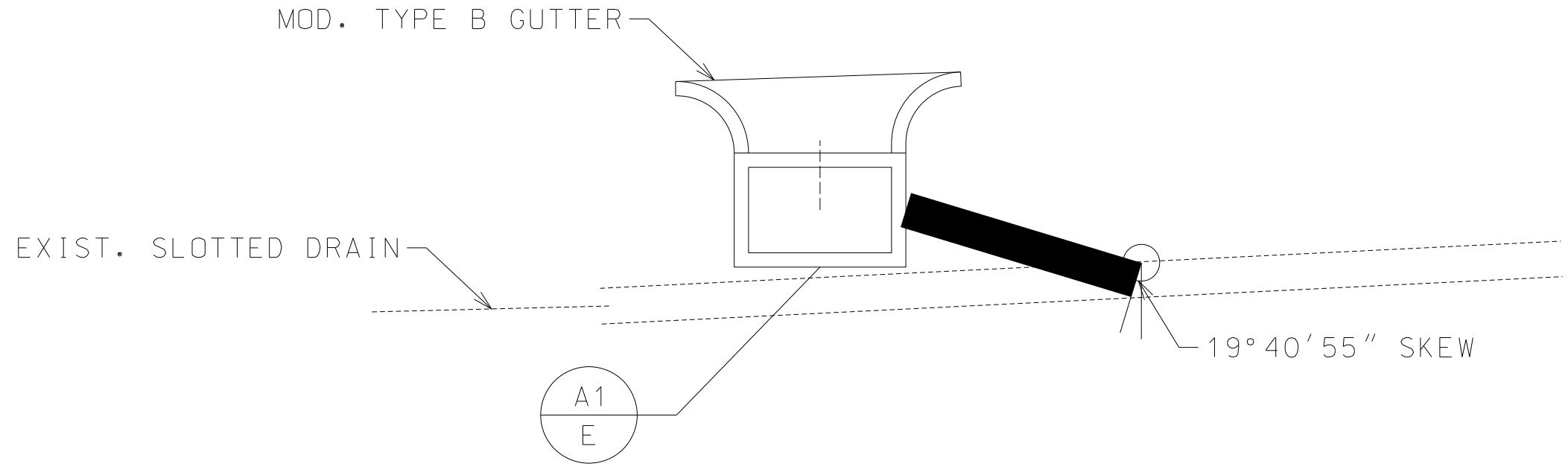
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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



DATE PREPARED 5/27/2025	
ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 98
COUNTY GREENE	
JOB NO. J8P3144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

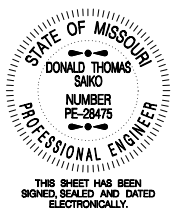
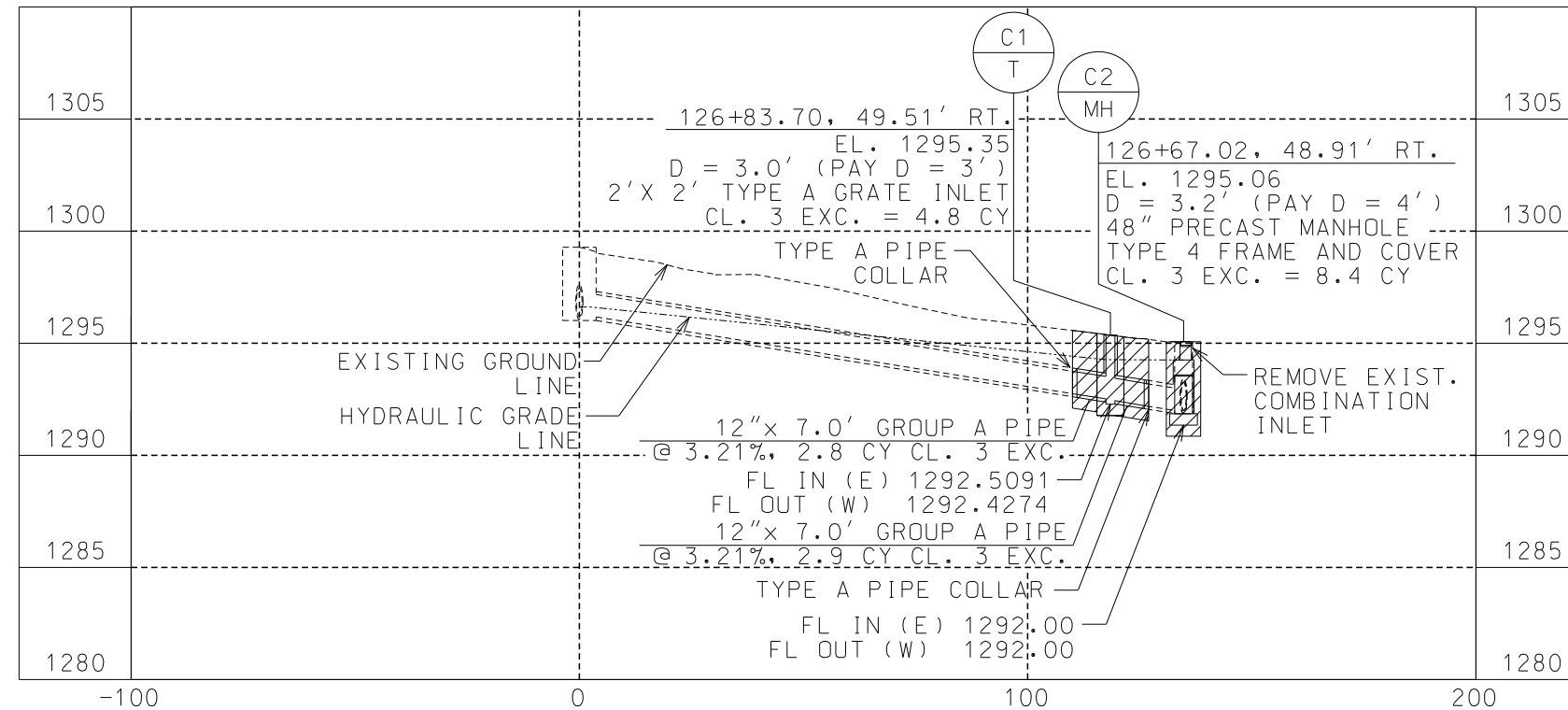
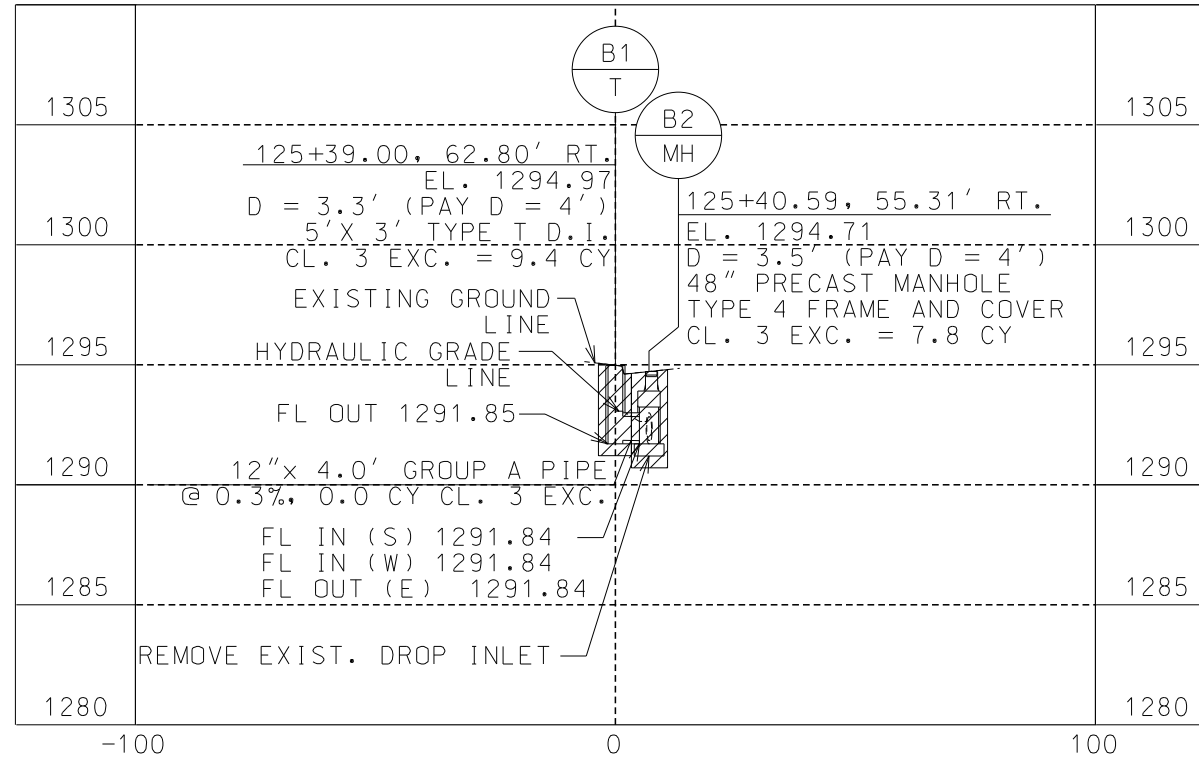
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



DRAINAGE PROFILES
SHEET 1 OF 4

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



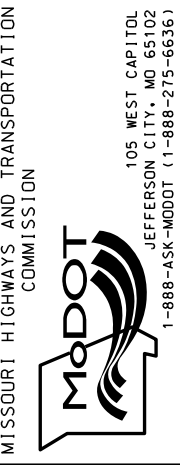
DATE PREPARED
5/27/2025

ROUTE LP44 STATE MO
DISTRICT SW SHEET NO. 99

COUNTY GREENE
JOB NO. J8P3144
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION



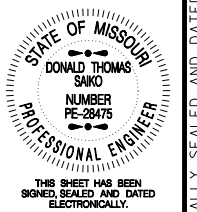
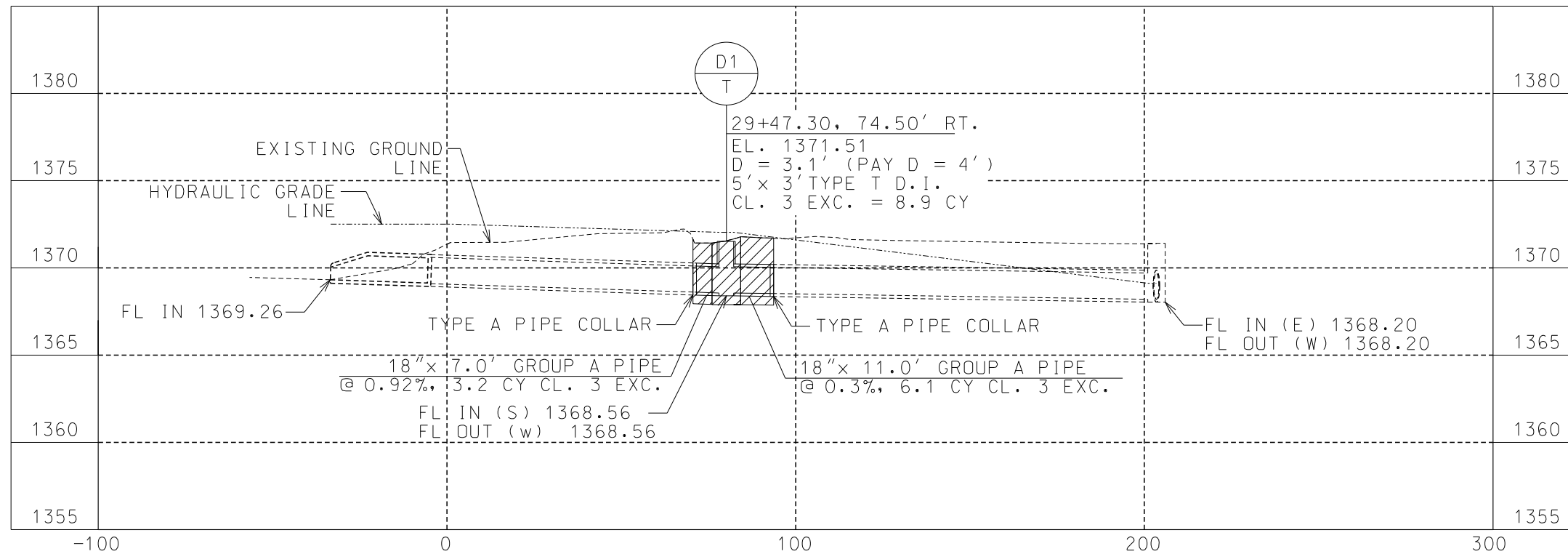
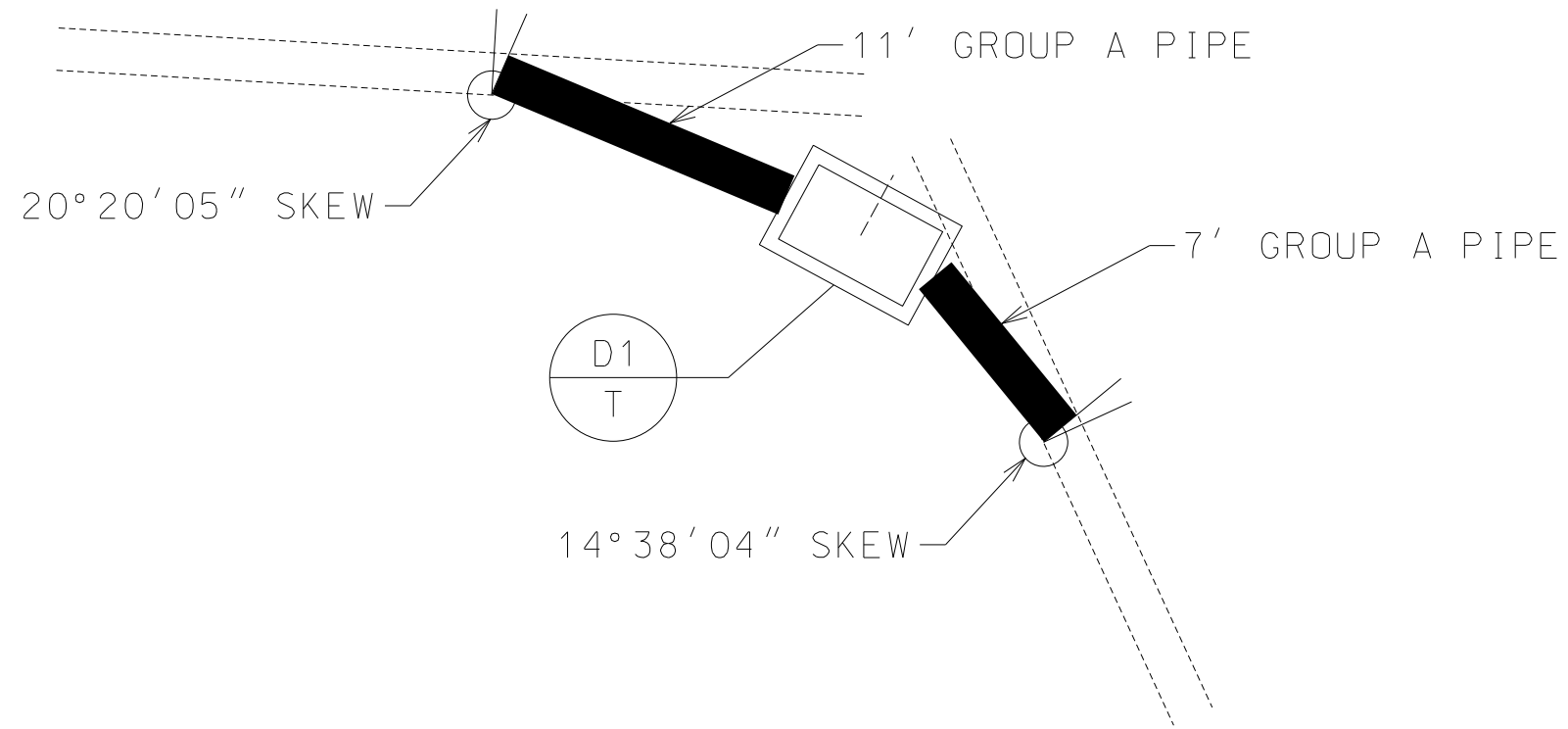
GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

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



DRAINAGE PROFILES
SHEET 2 OF 4

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



DATE PREPARED
5/27/2025

ROUTE LP44	STATE MO
DISTRICT SW	SHEET NO. 100
COUNTY GREENE	
JOB NO. J8P3144	
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)

GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



DRAINAGE PROFILES
SHEET 3 OF 4

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
5/27/2025

ROUTE STATE
LP44 MO

DISTRICT SHEET NO.
SW 101

COUNTY
GREENE

JOB NO.
J8P3144

CONTRACT ID.

PROJECT NO.

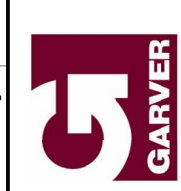
BRIDGE NO.

DATE	DESCRIPTION

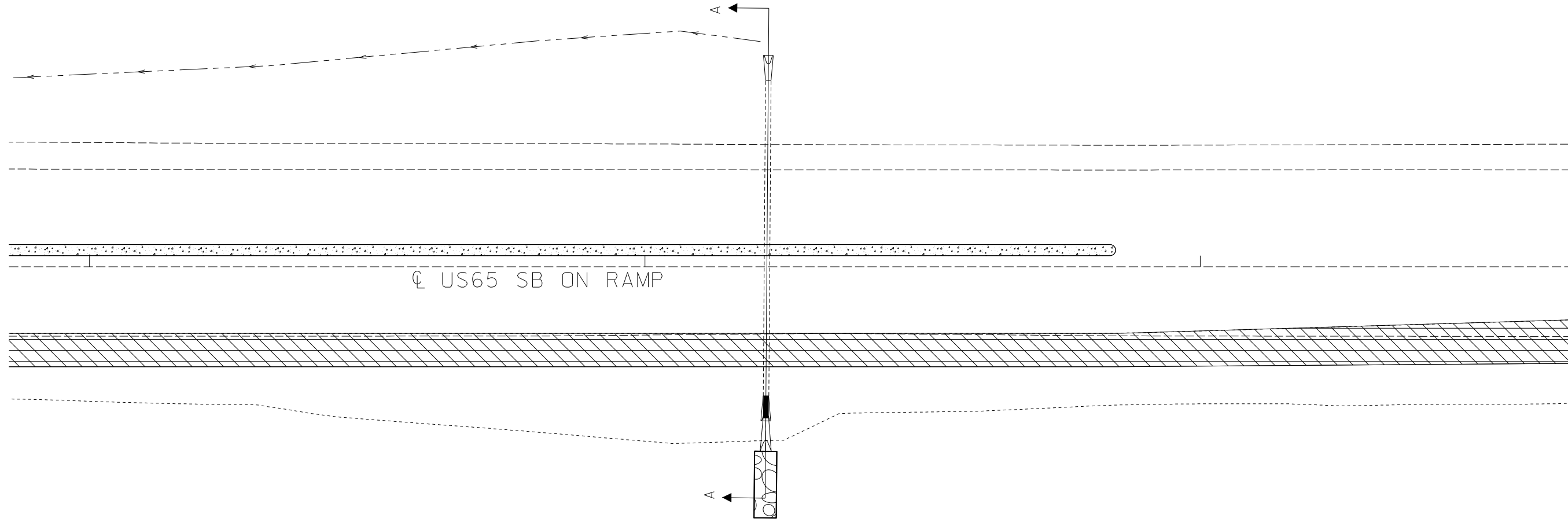
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



GARVER, LLC.
7410 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

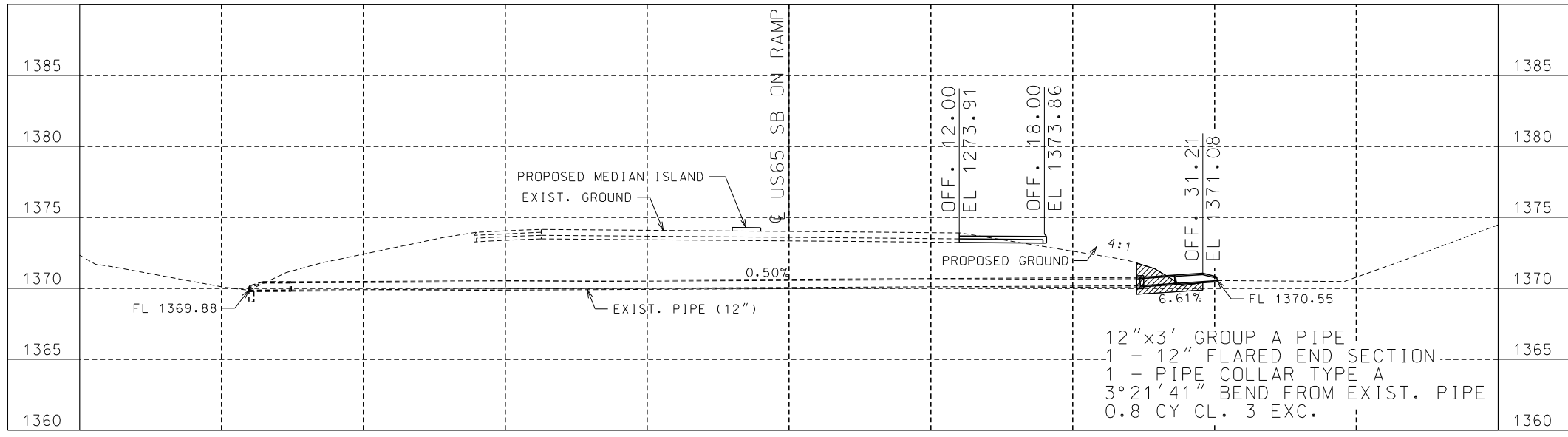


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

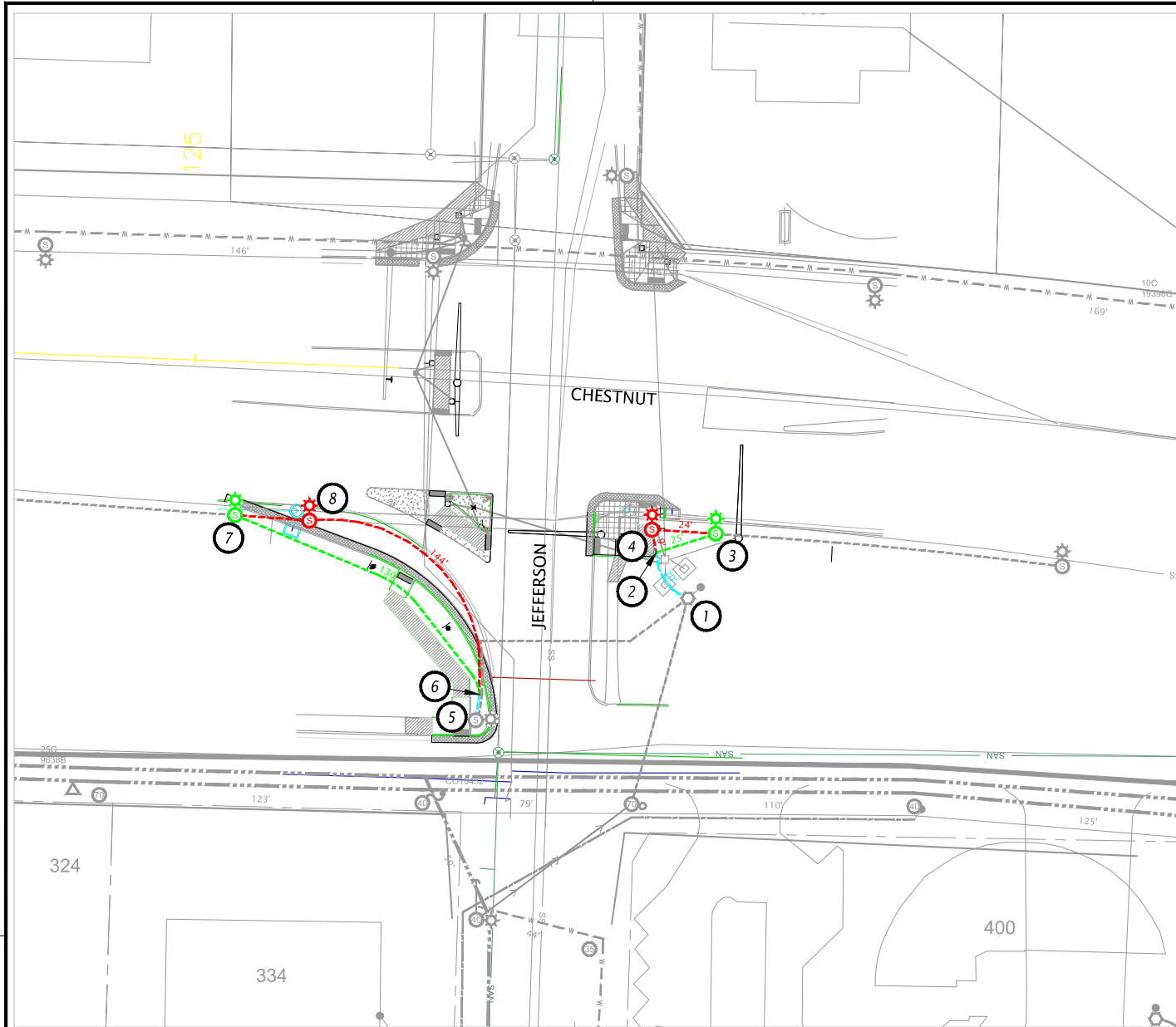


- CLASS 3 EXCAVATION
- TYPE A3 SHOULDER

SECTION A-A



DRAINAGE PROFILES
US65 SB ON RAMP
SHEET 4 OF 4



CITY UTILITIES UNDERGROUND STREETLIGHT CONSTRUCTION

- E25 ~ 7005785/8002464 ~ UGD ~ 107000/108010
- 3 **INSTALL:** 1 EACH GP28-10-1
1 EACH BAB-1
1 EACH LED-B3
1 EACH HW-C-010-B
1 EACH FUSE-Y-2
 - 4 **REMOVE:** 1 EACH GP28-10-1
1 EACH BAB-1
1 EACH LED-B2
 - 7 **INSTALL:** 1 EACH GP28-10-1
1 EACH BAB-1
1 EACH LED-B3
1 EACH HW-C-010-B
1 EACH FUSE-Y-2
 - 8 **REMOVE:** 1 EACH LT-15C
1 EACH BAB-1
 - 1-3 **INSTALL:** 45 FEET UG-4AT
REMOVE: 53 FEET UG-WWRG
 - 5-7 **INSTALL:** 130 FEET UG-4AT
REMOVE: 144 FEET UG-WWRG

CONTRACTOR UNDERGROUND STREETLIGHT CONSTRUCTION

- E11 ~ 7005784/8002463 ~ UGD ~ 107000/108010
- 2 **INSTALL:** 1 EACH P224-90H
NOTE: INTERCEPT EXISTING 1-2" PVC.
 - 3 **INSTALL:** 1 EACH CF24-6-115-B
2 EACH P218-90V
NOTES: INTERCEPT EXISTING 1-2" PVC.
INSTALL STREETLIGHT FOUNDATION APPROXIMATELY 24' EAST OF EXISTING BASE.
 - 4 **REMOVE:** 1 EACH SLSB
2 EACH P218-90V
NOTE: ABANDON CONDUIT IN PLACE.
 - 6 **INSTALL:** 1 EACH P218-45H
NOTE: INTERCEPT EXISTING 1-2" PVC.
 - 7 **INSTALL:** 1 EACH CF24-6-115-B
2 EACH P218-90V
NOTES: INTERCEPT EXISTING 1-2" PVC.
INSTALL STREETLIGHT FOUNDATION APPROXIMATELY 28' WEST OF EXISTING BASE.
 - 8 **REMOVE:** 1 EACH SLSB
2 EACH P218-90V
NOTE: ABANDON CONDUIT IN PLACE.
 - 2-3 **INSTALL:** 25 FEET PVC-2
25 FEET UT-S24
 - 6-7 **INSTALL:** 120 FEET PVC-2
120 FEET UT-S24

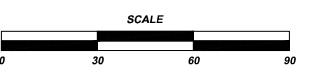
GENERAL NOTES

- 1 CITY UTILITIES CONTACTS:
**** ELECTRIC CONDUIT INSPECTION: 417-450-7347 ****
**** CONTACT 24 HOURS PRIOR TO INSPECTIONS AND RECEIVING C.U. MATERIAL ****
ENGINEERING: RICK HERCHENROEDER (ELECTRIC DESIGNER, ELECTRIC LINE) 417-874-8291
- 2 ALL CONTRACTOR WORK SHALL BE DONE IN COMPLIANCE WITH C.U. SPECIFICATIONS. C.U. ELECTRIC DISTRIBUTION CONSTRUCTION STANDARDS AND HOW-TO VIDEOS CAN BE FOUND AT <https://www.cityutilities.net/business/construction/> OR SCAN QR CODE.
- 3 C.U. ELECTRIC LINE ENGINEERING DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED.
- 4 C.U. ELECTRIC SYMBOLS LEGEND CAN BE FOUND IN "GENERAL SPECIFICATIONS" SECTION OF C.U. ELECTRIC DISTRIBUTION CONSTRUCTION STANDARDS.
- 5 C.U. WILL FURNISH BELL END(S) FOR CONTRACTOR INSTALLATION. CONTRACTOR SHALL FURNISH ALL TRENCH BACKFILL MATERIAL. CONTRACTOR SHALL LOAD & TRANSPORT C.U.-FURNISHED MATERIAL FROM THE C.U. STOREROOM AT 742 N. BELCREST. THE STOREROOM IS TYPICALLY OPEN FROM 9 AM TO 3 PM. AT THE STOREROOM, THE CONTRACTOR WILL NEED TO REFERENCE THE SEVEN-DIGIT PROJECT NUMBER FOR "CONDUIT BY OTHERS", AS SHOWN IN THE TITLE BLOCK OF THIS SHEET.
- 6 CONTRACTOR SHALL TRENCH AS INDICATED IN NOTES, AND/OR BORE STREETS, DRIVEWAYS, PARKING LOTS, ETC. AS REQ'D.
- 7 CONTRACTOR SHALL PRIMER ALL PVC-PVC CONNECTIONS PRIOR TO CEMENTING.
- 8 CONTRACTOR SHALL INSTALL A PULL STRING IN ALL CONDUITS TO ENSURE THE INTEGRITY OF THE CONDUIT SYSTEM.
- 9 IF C.U. ENCOUNTERS PROBLEMS WITH THESE FACILITIES DURING THE INITIAL INSTALLATION OF CABLES, ELBOWS, ETC., CONTRACTOR SHALL REPAIR/REPLACE CONDUIT SYSTEM, TRANSFORMER PAD, JUNCTION BOX, ETC. PER C.U. REQUIREMENTS.
- 10 CONTRACTOR SHALL CONTACT C.U. PRIOR TO BACKFILLING TRENCH. CONTRACTOR MAY BE REQUIRED TO EXPOSE CONDUIT INFRASTRUCTURE TO VERIFY SIZE, DEPTH, ETC. IF TRENCH IS BACKFILLED PRIOR TO INSPECTION.
- 11 IN LIEU OF PVC CONDUIT, HIGH DENSITY POLYETHYLENE CONDUIT (HDPE) SDR-11 AND FITTINGS MAY BE SUBSTITUTED FOR CONDUIT SPECIFIED IN NOTES (EXCLUDING RISERS). CONTRACTOR SHALL FURNISH ALL POLYETHYLENE CONDUIT MATERIAL AND C.U.-APPROVED FITTINGS. PIPE SHALL BE BLACK PIPE WITH RED STRIPE. CONTRACTOR SHALL GET APPROVAL FROM INSPECTOR BEFORE SUBSTITUTION OF PVC CONDUIT. ANY ADDITIONAL COST INCURRED BY THE USE OF HDPE PIPE SHALL BE BORNE BY THE CONTRACTOR. A BORING LOG SHALL BE PROVIDED TO C.U. INSPECTOR FOR ALL ELECTRICAL CONDUIT BORING.
- 12 ALL STREETLIGHT ANCHOR BOLTS SHALL BE GALVANIZED. CONTRACTOR SHALL ENSURE THAT STREETLIGHT CONCRETE FOUNDATIONS HAVE SUFFICIENT ANCHOR BOLT LENGTH AND PROPER BOLT CIRCLE FOR POLE INSTALLATION. IF ANCHOR BOLT INSTALLATION OR CONCRETE BASE INSTALLATION IS FOUND UNACCEPTABLE BY C.U., CONTRACTOR SHALL REPAIR OR REPLACE FOUNDATION.
- 13 WHERE CONSTRUCTION NOTES STATE THAT THE CONTRACTOR MAY ABANDON CONDUIT BELOW GRADE, BUT ONLY IF NOT IN CONFLICT WITH THE NEW CONSTRUCTION. CONTRACTOR SHALL REMOVE UNUSED CONDUIT THAT IS IN CONFLICT WITH NEW CONSTRUCTION.

J8P3144 - CITY UTILITIES ELECTRIC QUANTITIES

DESCRIPTION OF BID ITEM*	UNIT	QTY.
FURNISH/INSTALL 2" PVC	FT	145
FURNISH/INSTALL CONCRETE BASE (CF24-6-115-B)	EA	2

***SPECIAL NOTE:** CONDUIT ELBOW(S), CONDUIT COUPLINGS AND CONDUIT PLUGS ARE **NOT** INCLUDED IN THE ELECTRIC QUANTITIES BID ITEM ESTIMATE. THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS. ADJUST CORRESPONDING BID PRICES FOR PEDESTAL(S), JUNCTION CABINET(S), CONDUIT OR ETC. AS NECESSARY TO COVER COST OF INCIDENTAL ITEMS.



- EXISTING
- INSTALL
- REMOVE
- REPLACE or TRANSFER
- NOTE TO G.I.S. DEPT.

ELECTRIC LINE CONSTRUCTION		PROJECT NUMBERS			
1/4 SEC. SEC-1WH-RING: SW, 13-29N-22W	<input checked="" type="checkbox"/> LOCATES REQD	WORK TYPE	OH	UG	PROJ.
CONSTRUCTION: <input type="checkbox"/> OVERHEAD <input checked="" type="checkbox"/> UNDERGROUND	<input type="checkbox"/> CUSTOMER TREE TRIM	TRANSMISSION			
MAXIMUM VOLTAGE: <input type="checkbox"/> 0V <input type="checkbox"/> 120V <input checked="" type="checkbox"/> 240V <input type="checkbox"/> 7.62KV	<input type="checkbox"/> CU TREE TRIM	DISTRIBUTION			7005785 8002464 ELOC04
<input type="checkbox"/> SPRINGNET - WORK REQD	<input type="checkbox"/> CATV - WORK REQD	CONDUIT (BY OTHERS)			7005784 8002463 ELOC04
SUBFEEDER(S): MAI-6	<input type="checkbox"/> PHONE - WORK REQD	STREETLIGHT			
<input type="checkbox"/> HOT LINE TAG AVAILABLE: <input type="checkbox"/>	<input checked="" type="checkbox"/> M&D PERMIT REQD	OTHER			
<input type="checkbox"/> HOT LINE TAG AVAILABLE: <input type="checkbox"/>	<input type="checkbox"/> EASEMENT REQD				
CREW LEADER:					
COMPLETION DATE:					

CITY UTILITIES
ELECTRIC PLAN
SHEET 1 OF 1

ENGINEER: JASON D. SMITH
LICENSE NO.: PE-200502158

DATE: 5-19-25

ROUTE: LP44 STATE: MO
DISTRICT: SW SHEET NO.: E1

COUNTY: GREENE
JOB NO.: J8P3144
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)

CHESTNUT & JEFFERSON
STREET LIGHT
INTERSECTION IMPROVEMENT

SCALE: 1" = 30'
DATE: 5/19/2025
SHEET: 1 OF 1

DESIGNED BY: HERCHENROEDER
DRAWING NO.: 94295
REVIEWED/APPROVED BY: SMITH